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ANTHROPOMETRY OF AIR FORCE WOMEN

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13. ABSTRACT

This report describes and summarizes the results of an anthropometric survey of United States Air Force women carried out during 1968. Included in the report are a description of the methods and techniques used in the survey, descriptions--visual as well as verbal--of the measuring techniques used, and both uni- and bi-variate statistical summaries. A total of 137 anthropometric dimensions were measured on a sample of 1,905 US Air Force women: 548 officers or officer trainees and 1,357 enlisted women. This anthropometry included 5 measures of weight and fat thickness, 30 measures of body height and length, 26 measures of body girths, 15 measures of body breadths and depths, and 12 measures of body surface distance. There were, in addition, 30 measures of the head and face, 3 of the hand, and 2 of the feet. Thirteen measurements were remeasures of the subject while she was wearing a foundation garment. Background data gathered included age, rank, military occupation, birthplace, blood type, and age at menarche.

Key Words: Human Engineering, Anthropology, Anthropometry, Humans, Females, WAF

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FOREWORD

The anthropometric survey of Air Force women was directed by Headquarters, USAF, at the request of Brigadier General (then Colonel) Jeanne M. Holm, USAF, Director, Women in the Air Force (WAF). General Holm perceived the fundamental value of such data in the design, sizing and procurement of clothing and in the intelligent design of equipment and layout of functional workspaces for military women.

The survey of military women could not have been accomplished without the wholehearted support of Colonel Ethel R. Kovach, then Chief Nurse, USAF Nurse Corps, and Colonel Frances G. Ballentine, Chief (then Deputy Chief), USAF, Biomedical Sciences Corps. Lieutenant Colonel (then Major) Sarah C. Evans, USAF, WAF Staff Director, Military Personnel Center, provided statistics relative to the assignment of the female population in the Air Force and made possible the assignment of female airmen to the survey team. The WAF airmen were selected by Lieutenant Colonel LaVerne M. Collavo, USAF Nurse Corps, then course supervisor, Medical Service Specialist Course, Medical Service School, Sheppard Air Force Base.

Colonel Raymond A. Yerg, USAF, MC, then Commander of the Aerospace Medical Research Laboratory (AMRL), strongly endorsed and supported this survey. We are deeply grateful to the following personnel and their staffs for guidance and continuing support throughout the survey: Dr. Julien M. Christensen, Director of Human Engineering Division; Dr. Walter F. Grether, then Technical Director, Behavioral Sciences Laboratory; Lieutenant Colonel William H. Stobie, USAF (retired), then Chief, Behavioral Sciences Laboratory; Colonel Robert B. Thacker, USAF, MSC (retired), then Executive Officer, AMRL; and Colonel Stanley L. Plecha, USAF (retired), then Chief, Programming and Technical Support Division, AMRL.

In the Clothing Branch, Aeronautical Systems Division, Wright-Patterson AFB, Ohio, we acknowledge the assistance of Mr. Donald B. Huxley, Chief, Mr. Roy Harlan, and Mr. Norman L. Childs. Mr. Domenico Bruno and Sergeant Robert H. Bauer, USAF, supplied body dimensions required for sizing and designing clothing for Air Force Women.

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We were truly inspired with the outstanding performance of the measurers and recorders during the arduous and often tedious collection of data. Our deep gratitude to Airmen Bonnie J. Birk, Margaret T. Chamberlain, Sharon L. Cribbet, Velta J. Davis, Leona M. Deland, Gloria J. Goldsberry, Linda J. Gunther, Cathie S. Hunter, Nancy L. Perry, Constance M. Harrison Routt, and Irene T. Williams.

Mrs. Rosetta Johnson, Miss Peggy Marshall, and Mrs. Virginia Comstock of the Anthropology Project made substantial contributions to the data handling and analysis. Mrs. Jane Reese contributed similarly to the editorial preparation of this report.

The photography was by Mr. James Weir, Technical Photographic Branch, Wright-Patterson AFB, and illustrations were drawn by Mr. Jerry Ingram, University of Dayton Graphic Arts Department.

We wish to express our appreciation to Dr. Melvin J. Warrick for his critical review of the manuscript, to Mrs. Joan Robinette and Mr. G. R. Taylor for their editorial guidance, and to Mrs. Sandra McKenzie and Mrs. Elizabeth Newman for their meticulous and skillful correction of the galley proofs.

This technical report has been reviewed and is approved.

CLINTON L. HOLT, Colonel, USAF, MC
Commander
Aerospace Medical Research Laboratory

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SECTION I

INTRODUCTION

This report describes and summarizes the results of an anthropometric survey of United States Air Force women carried out during 1968. Included in the report are a description of the methods and techniques used in the survey, descriptions—visual as well as verbal —of the measuring techniques used, and both uni- and bi-variate statistical summaries.

Part A describes the survey and the sample, illustrates the measuring techniques, and provides summary statistics including the mean, standard deviation, coefficient of variation, selected percentiles, measures of skewness and kurtosis, and frequency distribution for each measured variable. A study of the body density of a sub-sample of 95 women is described in Appendix II.

Part B provides a variety of correlation and regression equation material, including the complete correlation matrix for the basic 124 measurements, regression equations for all pairs of variables with at least moderately high intercorrelations, selected partial and multiple correlations, and a series of step-wise regression equations.

Part C consists of a set of approximately 400 bivariate frequency tables, plus one trivariate table.

Part D contains abbreviated statistical summaries for a set of indices, a group of computed variables, and for the original measurement data separately for the officers and the enlisted women.

A numbering system for the measured variables is used consistently throughout the report. This system is introduced as part of the Visual Index (Section VI). The measurement index, which appears at the end of the report, lists for each of the measured variables its Visual Index number as well as the location of the variable's primary statistical summary. Data for these variables appear in most of the tables in the same sequence as that of the Visual Index numbers.

This study describes the survey and presents the statistical results. Detailed application of these results to specific design problems will be treated in later reports.

PART A

THE SURVEY AND DESCRIPTIVE STATISTICS

SECTION II

THE SURVEY

PURPOSE OF THE SURVEY

Reliable anthropometric data provide a tool essential to effective sizing and efficient procurement of clothing and personal-protective equipment. Such data are also required in the laying out of workplaces, and are useful in the design of equipment and in biological and medical studies of a particular population.

The only previous anthropometric survey of United States Air Force women (Daniels, et al., 1953) was restricted to young women undergoing basic military training. The data gathered, therefore, were not based on a sample broadly representative of the women in the Air Force. Designers of clothing for Air Force women have relied primarily on data collected on civilian women during the late 1930's by O'Brien and Shelton (1941) and on data for a limited number of dimensions measured on Army Air Force women during World War II (Randall, et al., 1946). A number of studies have indicated that, for several decades, each succeeding generation of United States citizens has been larger in body size than the preceding generation. A new anthropometric survey was therefore needed to provide current data describing the distribution and variability of the body size of Air Force women.

SELECTION OF BODY DIMENSIONS

The human body has been measured to yield a vast number of dimensions. Each investigator has his own list of body dimensions he considers essential for a particular purpose, and his list rarely coincides with the dimensions another investigator considers critical. In major Air Force surveys, data are obtained for the maximum number of body dimensions that can be measured within the allotted resources making those measurements which will be of most value to the greatest number of potential users.

The list of dimensions measured in the present survey began with a basic list of clothing dimensions requested by the Clothing Branch, Aeronautical Systems Division, to meet the requirements of Air Force clothiers. The Department of Commerce obtained additional requests from civilian clothiers. In addition, a number of individuals responsible for the design of personal-protective equipment and layout of workplaces were consulted. To supplement this list, several dimensions were selected specifically to support aspects of bio-medical research. Although not all body dimensions suggested were included in the survey, the resulting series of measurements can serve as a basis for solving a number of design and research problems.

The final list of body dimensions for this survey numbered 137 and included 5 measures of weight and body composition, 30 of body height and length, 26 of body girth, 15 of body breadth and depth, and 12 of body surface distance. Also, there were 30 measures of the head and face, 3 of the hand, 2 of the feet, 1 of grip strength, and 13 remeasures of the subject wearing a foundation garment of her choice. The complete list of dimensions measured is given in Section VI, the Visual Index. The sequence of measurements and the sociological data requested of each subject are illustrated on the survey blank which appears in Appendix I.

After the list of dimensions to be measured had been established, descriptions of the measuring procedures were established. The descriptions were rather detailed and specified the position of the subject, the position of the measurer, the instrument to be used, the landmarks involved, and the method to be used in making the measurement. Each measuring technique was tried out on a professional model and modified if necessary.

The following is an example of the type of description prepared for each body dimension:

1. Stature—Instrument: Anthropometer.

Position of Subject: The subject stands erect with her feet together as close as is comfortable and her weight distributed equally over both feet. The head is in the Frankfort plane with the eyes directed forward. The subject remains in this position while the measurement is being taken.

Position of Measurer: The measurer stands at the subject's left side.

Procedure: The anthropometer is held and balanced in a vertical position behind the subject. The measurer locates the highest point of the head and slides the moving arm of the anthropometer down to rest there. The hair texture is taken into consideration, and sufficient pressure is used to bring the horizontal arm of the anthropometer firmly to the level of the top of the head. The anthropometer is carefully removed from the subject and read with the eyes on the level of the reading.

SURVEY ORGANIZATION AND PROCEDURES*

The survey was established as a joint effort of several individuals and organizations. Lt Col Pearl Tucker served as the administrative director of the survey and had the overall responsibility for the organization, scheduling and field activities of the survey. Technical organization and supervision of the survey was the joint responsibility of the Anthropology Branch of the Aerospace Medical Research Laboratory, and the Anthropology Research Project, then located at Antioch College.

Personal records for each woman in the Air Force containing items such as her age, rank, station, organizational unit, and Air Force Specialty Code were summarized to give the number and distribution of women in the Air Force. These data permitted us to select the specific duty stations which offered the highest probability of obtaining a representative cross-section sample of Air Force women. (See Section III, The Sample). Arrangements were then made to visit each of the bases selected for a sufficient period of time to measure a majority of the women stationed there.

To measure efficiently 137 dimensions on each subject with the minimum interruption to her regular duty, a team of 13 women was selected to carry out the measuring procedures. The team consisted of 11 enlisted Airmen (WAF) who had volunteered for this project and who were graduates of the basic course at the Medical Services School, Sheppard AFB, Texas, and two physical therapists. Ten of the Airmen were divided into 5 pairs; each pair being responsible for a single series of dimensions. The remaining Airman served as a general helper and as a temporary substitute should any of the other Airmen become ill. The physical therapists were responsible for establishing and marking on the subject's body the anatomical landmarks required for the measuring procedures. Thus, five measuring stations and a marking station were established.

Dr. Louanna Pettay, Associate Professor of Physical Anthropology, Sacramento State College, joined the Anthropology Research Project to assist in the training of the measuring team.

The anthropologists, assisted by Lt Col Tucker and the two physical therapists, Maj Reardon and Lt Ann McConnell, USAF, BSC, tested and evaluated the measuring procedures. The eleven Airmen were trained in the measuring procedures during an intensive two-week program at Wright-Patterson Air Force Base.

The dimensions assigned to a particular station were those which were the easiest to measure in sequence and which required the minimum of picking up and laying down of instruments. It was also of importance, however, that the processing times at each

*The procedures followed during this survey were based on those described by Hertzberg et al in their classic monograph, AGARDograph 73, *Anthropometric Survey of Turkey, Greece, and Italy.*

station be as equal as possible. These two factors were involved in selecting the sequence of dimensions and the assignment of the dimensions to the various measuring stations.

The procedure followed in processing each subject was essentially as follows:

A. The subject was given an orientation as to the nature of the anthropometric survey and instructed in filling out the sociological data requested on the survey blank.

B. She then disrobed, except for panties and bra, put on a paper gown and slippers and went to the marking station.

C. After being marked, she was directed to one of the five measuring stations, the choice of station being determined by the flow of traffic.

D. The subject then went to each of the remaining measuring stations, the order again being determined by the flow of traffic. When she had been fully measured, she returned her completed data blank, after which she dressed and departed.

One member of the measuring team was always free to act as a "traffic director" and assist the subject in going through the procedures as quickly as possible. She could also act as a relief at any station and help out when problems were encountered.

LANDMARKS

A number of marks were drawn on each subject to serve as reference points for the measurer. These landmarks were made by either Maj Reardon or Lt McConnell, physical therapists trained in the location and interpretation of such landmarks. This procedure helped to insure that all the subjects would be marked in a similar way and that each measuring team would not need to take the time to mark each subject for their particular set of measurements.

The landmarks which were used fall into three broad categories: (1) those used to designate bony features of the body, (2) those used to indicate a specific area of soft tissue, and (3) those used as reference points in garment and personal-protective equipment construction. The landmarks are shown in figure 1, and the procedures for determining them are given below:

ABDOMINAL EXTENSION: Subject stands erect with abdomen relaxed. The level of the maximum anterior protrusion of the abdomen is determined by visual inspection and marked with a short horizontal line. A short horizontal line is also drawn on the back at this level.

ACROMIAL, RIGHT AND LEFT: Subject stands with arms relaxed at sides. The most lateral margin of each acromial process is determined by palpation and marked with a short horizontal line.

ANKLE: The level of the minimum circumference of the right ankle is determined with a measuring tape and marked on the medial surface with a short horizontal line.

BICEPS, RIGHT AND LEFT: Subject's upper arm is horizontal, elbow flexed 90 degrees and fist tightly clenched. The point of maximum protrusion of the strongly contracted biceps brachii muscle is determined by visual inspection and marked with a short horizontal line.

BUST, RIGHT AND LEFT: The point of the maximum anterior protrusion of each bra cup is determined by visual inspection. Short horizontal and vertical lines are drawn through these points.

BUSTPOINT, RIGHT AND LEFT: The intersections of the horizontal and vertical bust landmarks are the bustpoint landmarks.

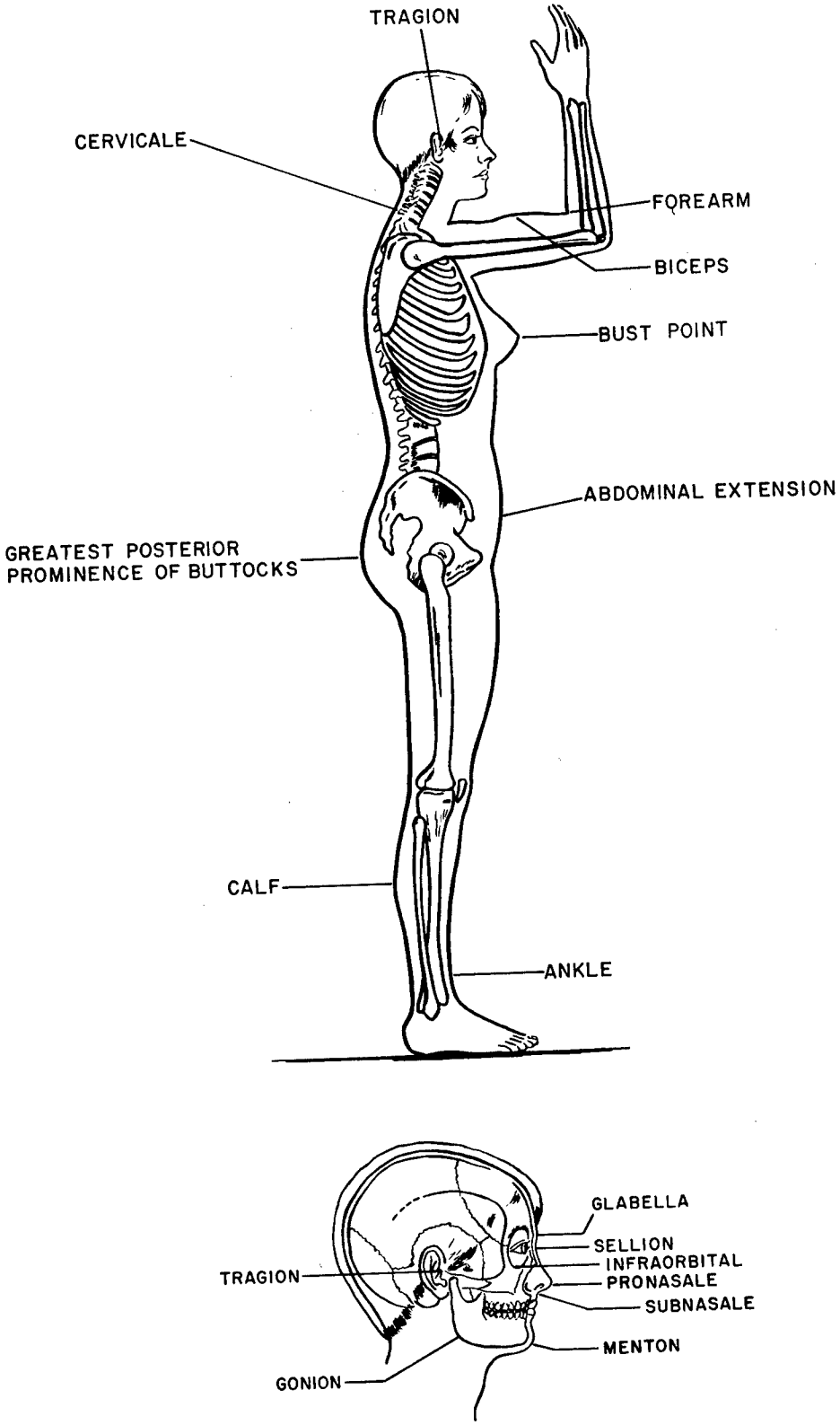


Figure 1. Location of Landmarks

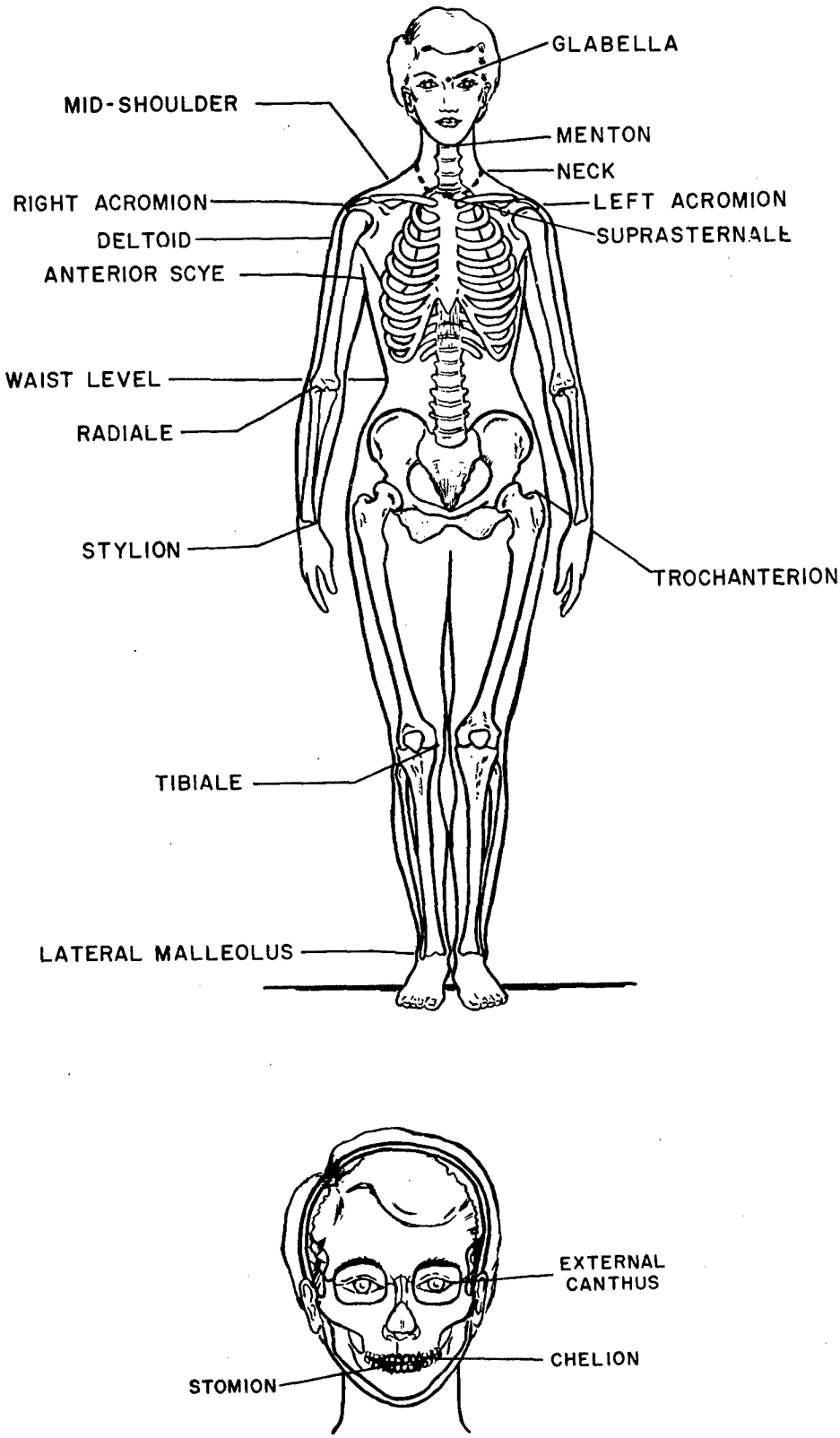


Figure 1—Concluded

BUTTOCK: Subject stands. The level of the maximum protrusion of the right buttock is determined by visual inspection and marked with a short horizontal line.

CALF, RIGHT AND LEFT: Subject stands. The level of the maximum circumference of each calf is determined with a measuring tape and marked on the medial surface with a short horizontal line.

CERVICALE: Subject stands with head in the Frankfort plane. The tip of the spinous process of the 7th cervical vertebra is determined by palpation and marked with a short horizontal line.

DELTOID: Subject stands with arms relaxed at sides. The most lateral protrusion of the right deltoid muscle is determined by visual inspection and marked with a dot.

FOREARM: Subject's upper arm is horizontal, elbow flexed 90 degrees, and fist tightly clenched. A short horizontal line is drawn one tape width (6 mm) distal to the crotch of the elbow.

GLABELLA: The most anterior point in the midsagittal plane on the forehead between the brow ridges is determined by palpation and visual inspection and marked with a dot.

HIP—7 INCH: A short horizontal line is drawn on the right hip 7 inches, as measured over the body surface with a tape, below the right waist landmark. The process is repeated on the left side.

HIP—9 INCH: A short horizontal line is drawn on the right hip 9 inches, as measured over the body surface with a tape, below the right waist landmark. The process is repeated on the left side.

INFRA-ORBITAL: The lowest point on the inferior border of the right orbit is determined by palpation and marked with a dot. This landmark, in conjunction with the right tragion landmark, facilitates the positioning of the subject's head in the Frankfort plane.

KNEE: The upper and lower borders of the patella are located by palpation and the horizontal midpoint between the borders is determined visually and marked with a short horizontal line. The subject's knee is straight but care is taken to insure that it is not locked.

LATERAL MALLEOLUS: The maximum protrusion of the right lateral malleolus is determined by palpation and marked with a short horizontal line.

MENTON: A point in the midsagittal plane on the curvature of the lower jaw, on a line approximating 45 degrees from vertical and perpendicular to a tangent of the curvature, is determined by palpation and marked with a dot.

MID-AXILLARY LINE: A vertical line originating at the center of the axillary space.

MID-SHOULDER: The point on the upper surface of the right shoulder midway between the lateral neck landmark and the acromial landmark is determined by visual inspection and marked with a short line.

NECK: Subject stands with head in the Frankfort plane. A circle is established by placing a loop over the subject's head and tightening it around the neck at the neck-shoulder juncture. The loop is adjusted so that the plane formed is perpendicular to the long axis of the neck. Anterior, right and left lateral, and posterior lines are drawn along the top edge of the loop. A vertical line is drawn to mark the right mid-lateral neck landmark.

RADIALE: The highest palpable point on the head of the right radius is determined and marked with a short horizontal line.

SCYE, RIGHT AND LEFT: These are a series of marks drawn at the axillary folds formed by the juncture of the arms and trunk. Subject stands and initially abducts

slightly her right arm; a straight edge is placed horizontally under the armpit so that the top of the straight edge touches, without compressing the tissue, the inferior point of the axillary fold. The subject then relaxes her arm and short horizontal lines are drawn at the level of the top of the straight edge on the anterior and posterior surfaces of the arms and torso. On the posterior surface, a line is also drawn upward following the fold towards the acromial landmark. The process is repeated on the left side of the body.

SCYE POINT, RIGHT AND LEFT: The intersections of the posterior horizontal scye landmarks and the lines following the axillary folds are the scye point landmarks.

STYLION: The tip of the styloid process of the right radius is determined by palpation and marked with a short horizontal line. The landmark is extended along the anterior and posterior aspects of the wrist perpendicular to the long axis of the forearm.

SUPRASTERNALE: The lowest point of the jugular notch on the superior margin of the sternum is determined by palpation and marked with a short horizontal line.

TIBIALE: Subject stands. The level of the proximal medial margin of the right tibia is located by palpation and marked with a short horizontal line.

TRAGION, RIGHT AND LEFT: The deepest point of the notch just above the tragus of each ear is determined by visual inspection and marked with a dot.

TROCHANTERIC, RIGHT AND LEFT: Subject stands. The superior point of the greater trochanter of each femur is determined by palpation and marked with a short horizontal line.

WAIST: Subject stands. The level of the waist is established using a quarter-inch elastic belt. The subject is asked to place the belt at her "normal" waist level and fasten it with minimum constriction. The belt is then adjusted, if necessary, to lie in a horizontal plane. Short lines are drawn along the top of the belt on the front, back and at both sides of the waist.

WRIST: See STYLION LANDMARK.

ANTHROPOMETRIC TECHNIQUES USED IN THE STUDY

There is a traditional series of body postures that a subject is instructed to assume for anthropometric measurements. These postures are an attempt at standardization so that the variance found within a group in body size is that which is associated with body size and not a compounding of this variance with differences in body posture. The body posture that the subject is asked to assume is not the posture that most people normally maintain. It is therefore desirable to describe the subject's body posture in some detail.

When the subject is measured in a standing position she is asked to balance herself with her weight evenly distributed on both feet and with her heels as closely together as is possible. The legs and trunk are held straight without stiffness and the arms hang straight but loosely at the side. The palms of the hands are turned inward so that they are at the side but are not touching the thighs. The head is positioned in the Frankfort plane so that the line of vision is parallel to the plane of the floor. The Frankfort plane is readily approximated by projecting an imaginary line through tragion and the inferior orbit of the eye and orienting the head until this imaginary line is parallel to the plane of the floor. The standing position is similar to that of the body posture in the position of military attention but without the stiffness and exaggerated bracing of the shoulders.

For measurements in the seated position, the subject is asked to sit on a cushionless flat surface. An adjustable footrest is used so that the lower legs are maintained at a 90°

angle to the long axis of the thighs. The thighs are held sufficiently apart so that their long axes are parallel. The trunk is held straight with the head oriented in the Frankfort plane. The upper arms hang relaxed at the sides with the elbows flexed so that the long axes of the forearms form 90° angles with those of the upper arms. The hands are held straight and maintain continuity with the long axes of the forearms.

Any deviation from these subject positions will be indicated in the descriptions of the measuring techniques in Section VII.

MEASURING EQUIPMENT

The following items of equipment were used:
Physician's scales
Anthropometers, Siber Hegner #101
Sliding calipers, Siber Hegner #104
Spreading calipers, Siber Hegner #106
Caliper gauge, Siber Hegner #219
Steel tapes, 2 meter K & E #860358
Harpenden Skinfold caliper gauge—British Indicator Ltd.
Smedley hand-dynamometer, Preston Corp. #5032
Foot board and block
Head board and slide gauge
Table measuring board
Wall measuring board

The type of anthropometer used in the study is shown in the photograph illustrating stature on page 70. The anthropometer is of a new design and light in weight. As shown in the photograph for gluteal furrow height on page 90, the bottom half is detachable, and with a slide forms the instrument for measuring the vertical distances from the floor to the body landmarks on the lower part of the body. The top half, as shown in the photograph for radiale-stylion length, page 120, is used as a beam caliper for measuring the breadths and depths of the body as well as for measuring segment lengths. The smaller calipers, sliding (see humeral breadth, page 196) and spreading (see femoral breadth, page 202), are primarily used to measure dimensions of the head, face, and appendages. The steel tape (see shoulder circumference, page 130) is used for body circumferences and body surface lengths; the skinfold caliper (see triceps skinfold, page 62) and the hand dynamometer (see grip strength, page 306) are some other traditional anthropometric instruments used in this survey.

The requirement for processing a large number of subjects in the minimum of time without loss in accuracy has generated the need for a number of specific measuring devices. These have been developed and used in previous surveys by the Air Force and will only be briefly described here. The foot-measuring board and block (see foot length, page 244) permit the rapid measuring of various dimensions of the foot. The head-measuring board (Hertzberg et al., 1963, p. 281-283) (see tragion to top of head, page 254) is designed to provide rectangular coordinate data for any points on the head and face. A point can be described as a distance from the back and top plane of the head, using the special gauge and pointer. The system does not in general locate the point in a three-dimensional space. However, most of the points located by this method in this survey lie in the sagittal (or profile) plane, and the distance of the other points from this plane can be approximated using other dimensions of head and face breadth.

Table- and wall-mounted scales provide a means of rapidly obtaining certain workspace measurements. The table-mounted scale consists of a sheet of centimeter interval graph paper covered with clear acetate with the zero point of the graph at the edge of the

table. This scale provided a rapid method of measuring buttock-popliteal length (page 114). The wall-mounted graph consisted of a sheet of similar centimeter interval graph paper mounted in a room corner with the zero of the scale at the corner. This graph, in conjunction with a small wood block, was used for measuring thumb-tip reach (page 122) and thump-tip reach, extended (page 124). A small metal rod with an attached centimeter tape was used in conjunction with the wall-mounted graph paper to measure overhead arm reach (page 126).

SECTION III

THE SAMPLE

A total of 1905 women was measured in this survey. That some of these women were of slender build and others were not quite so slender, that some were tall and others short, that some had big feet and others had small ones—these and similar facts are documented elsewhere in this report.

Here we are concerned with somewhat different facts about the survey sample—that it included both young girls and mature women, that some of the subjects were Colonels and others Basic Trainees, that some were nurses and others typists, some right-handed and others left-handed, and that the subjects fell into these and a variety of other categories in varying and enumerated proportions.

Most of the data reported in the first part of this section consists of background information which the subjects recorded about themselves on their survey blanks prior to being measured. This information has been taken at face value; no effort has been made to seek confirmation of it from other sources.

The second part of this section provides a brief comparison of segments of the sample with the corresponding segments of the total population of Air Force women. For this comparison, the data concerning the sample come from the information just discussed; the data concerning the total population of Air Force women were abstracted from the USAF personnel records.

RANK AND GRADE. Roughly 30% of the subjects were officers or officer trainees and 70% enlisted women or Basic Trainees.About one sixth of the officer-officer trainee series and a quarter of the enlisted women series were classed as trainees. The number in each rank and grade are listed in table I. Thanks to the presence in the survey sample of one Colonel (plus, of course, the presence of 333 Basic Trainees), the survey sample included representatives of both ends of the rank-grade spectrum of the sampled population.

AIR FORCE SPECIALTY CODES. The measured officers were predominantly nurses (about five out of every six), and half of those officers who were not nurses were classified as being in the biomedical sciences. Smaller numbers of the officers were in administration, education and training, and personnel categories. A handful of others had isolated Air Force Specialty Codes (AFSC's).

The largest single group of the enlisted women—almost half (44%) of the total nontrainee group—had medical AFSC's. This group, combined with those (8%) having dental AFSC's, constitute somewhat more than half of the enlisted women. One enlisted WAF in six had an administrative classification, and between four and six percent fell in the personnel, communications operations, supply, special duty, and accounting and finance categories. Eight percent had widely scattered AFSC's. The breakdown by the initial two digits in these codes appears in table II.

COMMAND. The distribution by major command is given in table III. Two-thirds of the sample was attached to ATC (Air Training Command), a little over a fifth to AFSC (Air Force Systems Command) and most of the remainder to SAC (Strategic Air Command). The distribution for the enlisted women is quite different from that for the officers, and the corresponding distributions for the nontrainee groups are still different.

TABLE I

DISTRIBUTION BY RANK AND GRADE

(a) Officer and Officer Trainees

Rank	*N*	*% Total Sample*	*% O and OT*	*% Officers*
Colonel	1	0.1	0.2	0.2
Lt Colonel	24	1.3	4.4	5.2
Major	70	3.7	12.8	15.2
Captain	121	6.4	22.1	26.2
1st Lieutenant	161	8.5	29.4	34.8
2nd Lieutenant	85	4.5	15.5	18.4
Officers	462	24.3	84.3	100.0
Officer Trainees	86	4.5	15.7	
Officers and Officer Trainees	548	28.8	100.0	

(b) Enlisted Women

Grade	*N*	*% Total Sample*	*% EW & BT*	*% EW*
Senior Master Sergeant	4	0.2	0.3	0.4
Master Sergeant	6	0.3	0.4	0.6
Technical Sergeant	12	0.6	0.9	1.2
Staff Sergeant	35	1.8	2.6	3.4
Sergeant	140	7.3	10.3	13.7
Airman First Class	411	21.6	30.3	40.1
Airman Basic	416	21.8	30.7	40.6
Enlisted Women	1024	53.8	75.5	100.0
Basic Trainees	333	17.5	24.5	
Enlisted Women and Basic Trainees	1357	71.2	100.0	
Total Sample	1905	100.0		

Note: Percentages for totals and subtotals in this and similar tables were obtained by direct calculation rather than by summing the part percentages. They may differ from the sum of the part percentages by small amounts.

TABLE II

DISTRIBUTION BY AIR FORCE SPECIALTY CODES

(a) Officers*

Code	*N*	*%*
97 Nurse	389	84.2
91-92 Biomedical Sciences	39	8.4
70 Administration	12	2.6
75 Education and Training	10	2.2
73 Personnel	4	0.9
Miscellaneous	8	1.7
	462	100.0

(b) Enlisted Women*

Code	*N*	*%*
90-91 Medical	440	43.9
70 Administrative	163	16.3
98 Dental	81	8.1
29 Communications Operations	60	6.1
73 Personnel	59	5.9
64 Supply	48	4.8
99 Special Duty	36	3.6
67 Accounting & Finance	35	3.5
Miscellaneous	81	8.1
	1003	100.0
Unknown	21	
	1024	

*Trainees omitted

DUTY LOCATION. Most of the subjects (six out of seven) were stationed at either Lackland AFB or Sheppard AFB and were measured there. Of the others, eight percent were stationed and measured at Carswell AFB, four percent were stationed at Randolph AFB and measured at Brooks AFB, and two percent were stationed at Wright-Patterson AFB where they were measured. One subject with a duty assignment at Sewart AFB was measured while she was temporarily at Randolph. The appropriate statistics for duty location are given in table IV.

AGES. In age, the sample ranged from a goodly number of basic trainees in their late teens to a small number of senior officers in their mid-fifties. Because, in part, of the large number of young trainees, the median age is approximately 21 years, and the 80th percentile is roughly 26 years. Median age for officers (exclusive of officer trainees) is 29 years; the 80th percentile is about 37 years. Median age for enlisted women beyond the grade of Airman Basic is a youthful 20 years and the 80th percentile is about 22 years. The median-aged officer trainee was between her 23rd and 24th birthdays; the median aged Airman Basic was on the eve of her 19th birthday. A computational note: all percentile calculations assumed that the data falling within an interval were spread out evenly across the width of the interval. Usually the proportion of the data falling within any one interval is small and this assumption is not important. This is not true of the 18 and 19 year categories for either the total series or the enlisted women's series, and this fact should be considered in interpreting the percentiles for these data. Summary statistics for age appear in table V with frequency distributions given in table VI.

TABLE III

DISTRIBUTION BY MAJOR COMMAND

	Total		*Enlisted†*		*Officers†*	
Air Training Command	1286	67.5%	1072	79.0%	214	39.0%
Air Force Systems Command	427	22.4%	177	13.0%	250	45.6%
Strategic Air Command	150	7.9%	106	7.8%	44	8.0%
Air Force Logistics Command	39	2.1%	1	0.1%	38	6.9%
Air Defense Command	2	0.1%	1	0.1%	1	0.2%
Tactical Air Command	1	0.1%			1	0.2%
	1905	100.0%	1357	100.0%	548	100.0%

	*Enlisted**		*Officers**	
Air Training Command	753	73.5%	129	27.9%
Air Force Systems Command	163	15.9%	249	53.9%
Strategic Air Command	106	10.0%	44	9.5%
Air Force Logistics Command	1	0.1%	38	8.2%
Air Defense Command	1	0.1%	1	0.2%
Tactical Air Command			1	0.2%
	1024	100.0%	462	100.0%

	Basic Trainees		*Officer Trainees*	
Air Training Command	319	95.8%	85	98.8%
Air Force Systems Command	14	4.2%	1	1.2%
Strategic Air Command				
Air Force Logistics Command				
Air Defense Command				
Tactical Air Command				
	333	100.0%	86	100.0%

†Trainees included
*Trainees excluded

TABLE IV

DISTRIBUTION BY DUTY LOCATION

Location	*Enlisted*		*Officers*		*Total*	
Sewart AFB			1	0.2%	1	0.1%
Wright-Patterson AFB			39	7.1%	39	2.1%
Sheppard AFB	491	36.2%	102	18.6%	593	31.1%
Randolph AFB	79	5.8%			79	4.2%
Lackland AFB	681	50.2%	363	66.2%	1044	54.8%
Carswell AFB	106	7.8%	43	7.9%	149	7.8%
	1357		548		1905	

TABLE V

PERCENTILES AND SUMMARY STATISTICS FOR AGE

Percentiles	*Total*	*Off. & O. Tr.*	*Officers*	*Officer Trainees**	*EW & Basics*	*EW*	*Basics*
99th	46.5	50.9	51.2		40.4	43.3	23.8
95th	38.9	45.0	46.1	27.5	25.6	27.3	22.1
90th	33.0	40.8	42.2	26.6	23.4	24.1	21.3
80th	25.8	35.7	37.3	25.3	21.8	22.1	20.4
70th	23.4	32.3	33.9	24.3	21.0	21.4	19.8
60th	22.0	29.7	31.2	23.6	20.4	20.8	19.4
50th	21.0	27.6	29.0	23.1	19.9	20.3	19.0
40th	20.2	25.8	27.1	22.7	19.6	19.9	18.8
30th	19.7	24.3	25.5	22.3	19.2	19.5	18.5
20th	19.2	23.1	24.0	22.1	18.8	19.2	18.3
10th	18.6	22.3	22.7	21.7	18.4	18.7	18.2
5th	18.3	21.9	22.2	21.2	18.2	18.3	18.1
1st	18.1	21.0	21.5		18.0	18.1	18.0
Mean	23.43	29.77	30.91	23.65	20.87	21.33	19.45
SD	6.45	7.47	7.56	1.92	3.62	3.99	1.34
Veta I	2.09	1.06	0.88	1.07	4.13	3.77	1.96
Veta II	7.20	3.35	2.99	3.53	24.03	19.74	8.12
N	1905	548	462	86	1357	1024	333

*Extreme percentiles not calculated because of small sample size

TABLE VI

FREQUENCY DISTRIBUTIONS FOR AGE

Reported Age	*Total*		*Officers (Incl. Tr.)*		*Officers*		*Officer Trainees*		*EW (Incl. Tr.)*		*EW*		*Basic Trainees*	
	N	C%	N	C%	N	C%	N	C%	N	C%	N	C%	N	C%
56-57	1	100.0	1	100.0	1	100.0								
54-55	1	99.9	1	99.8	1	99.8								
52-53	2	99.9	2	99.6	2	99.6								
50-51	5	99.8	5	99.3	5	99.1								
48-49	3	99.5	3	98.4	3	98.1								
46-47	9	99.4	6	97.8	6	97.4			3	100.0	3	100.0		
44-45	13	98.9	8	96.7	8	96.1			5	99.8	5	99.7		
42-43	28	98.2	23	95.3	23	94.4			5	99.4	5	99.2		
40-41	21	96.8	20	91.1	20	89.4			1	99.0	1	98.7		
38-39	29	95.6	27	87.4	27	85.1			2	99.0	2	98.6		
36-37	28	94.1	19	82.5	19	79.2			9	98.8	9	98.4		
34-35	35	92.7	31	79.0	31	75.1			4	98.2	4	97.6		
32-33	44	90.8	36	73.4	36	68.4			8	97.9	8	97.2		
30-31	23	88.5	19	66.8	19	60.6			4	97.3	4	96.4		
28-29	44	86.2	39	63.3	37	56.5	2	100.0	5	97.0	5	96.0		
26-27	82	85.0	66	56.2	55	48.5	11	97.7	16	96.6	14	95.5	2	100.0
24-25	144	77.1	96	44.2	83	36.6	13	84.9	48	95.4	47	94.1	1	99.4
22-23	241	73.1	119	26.6	74	18.6	45	69.8	122	91.9	105	89.6	17	99.1
20-21	451	60.5	27	4.9	12	2.6	15	17.4	424	82.9	360	79.3	64	94.0
18-19	701	36.8							701	51.7	452	44.1	249	74.8

C% = Cumulative Percentages

BIRTH PLACE. Each subject was asked to record her birthplace and those of her parents. The fifty states were grouped into nine regions, following Census Bureau practice. The birthplaces of the subjects by regions are given in table VII. In the second half of this table, the percentages of those born in the 50 states who were born in each region are compared with two sets of Census figures: first, the population of each region according to the 1950 census (the regular census closest to the median birthyear) and, second, recent estimates of the 18-44 year old population. Neither set of figures provides the ideal basis for judging the geographical representativeness of our sample. However, a comparison of the survey data with either set of these figures suggests that the total sample is fairly well balanced geographically, and the enlisted sample even a shade better balanced than the total sample. The officers, on the other hand, were born in substantially greater than expected numbers in New England and the Mid-Atlantic states (New York, New Jersey, and Pennsylvania) and, in substantially smaller than expected numbers on the west coast. However, this is not surprising since New York, New Jersey, and Pennsylvania, collectively, have the largest number of schools of nursing in the United States.

Tables VIII and IX provide cross-tabulations of the subjects' birthplaces with those of their fathers and of their mothers for the total series and, separately, for the officers and for the enlisted women. About three out of every four of our subjects were born in the same region (foreign is treated as a region here) as their father, and a similar number were born in the same region as their mother. The most consistent differences between subjects' and parents' birthplaces were, expectedly, that fewer subjects than mothers or fathers were foreign born and more subjects than fathers or mothers were born in the Pacific region.

BLOOD TYPE. The reported blood types (A-B-O system) and Rh factor data are presented in table X. The percentages reported there are in close agreement with commonly accepted values; agreement between the data for enlisted women and those for the officers is also close. This table also provides cross-tabulations of blood type and Rh factor, blood type and region of birth, and Rh factor and region of birth. Statistical tests, based on the χ^2 test, show no significant relationships in any one of these cross-tabulations.

HANDEDNESS. The classification of the subjects into right-handed, left-handed, and ambidextrous is given in table XI.

RACE. The classification of the subjects on the basis of race and the cross-tabulation on the basis of race and region of birth are reported in table XII. The sample is predominantly white, the officer group being particularly so.

MARITAL STATUS. The marital status of the subjects is listed in table XIII. About one-tenth of the group members are married, about one in thirty-three had been married previously.

AGE AT MENARCHE. Each subject was asked to supply "Age First Menstruation." A tabulation of the responses as well as selected percentiles plus means and standard deviations appear in table XIV. Unfortunately, we have no solid basis for evaluating the level of agreement between these responses and the actual ages of menarche. The mean values, 13.0 for the officers and officer-trainees and 13.2 for the enlisted women, are in agreement with the often accepted figure of "approximately 13 years."

TABLE VII
DISTRIBUTION BY BIRTHPLACE

(a) Birthplace of Subjects

Region	*Total*		*Enlisted*		*Officers*	
1. New England	129	6.8%	78	5.8%	51	9.3%
2. Mid Atlantic	391	20.6%	236	17.4%	155	28.3%
3. South Atlantic	240	12.6%	179	13.2%	61	11.2%
4. East North Central	347	18.2%	253	18.7%	94	17.2%
5. East South Central	132	6.9%	94	6.9%	38	6.9%
6. West North Central	180	9.5%	131	9.7%	49	9.0%
7. West South Central	195	10.3%	153	11.3%	42	7.7%
8. Mountain	56	2.9%	42	3.1%	14	2.6%
9. Pacific	168	8.8%	136	10.0%	32	5.9%
10. Foreign**	65	3.4%	54	4.0%	11	2.0%
	1903	100.0%	1356	100.0%	547	100.0%

1. Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, Connecticut
2. New York, New Jersey, Pennsylvania
3. Delaware, Maryland, District of Columbia, Virginia, West Virginia, North and South Carolina, Georgia, Florida
4. Ohio, Indiana, Illinois, Michigan, Wisconsin
5. Kentucky, Tennessee, Mississippi, Alabama
6. Minnesota, Iowa, Missouri, North and South Dakota, Nebraska, Kansas
7. Arkansas, Louisiana, Oklahoma, Texas
8. Montana, Idaho, Wyoming, Colorado, Utah, Nevada, Arizona, New Mexico
9. California, Oregon, Washington, Alaska, Hawaii
10. Foreign** (Including U.S. Territories)

(b) Birthplace of Subjects Contrasted with Census Data Percentages (Native Born Only)

Region	*Total*	*Enlisted*	*Officers*	**Census-A*	†*Census-B*
New England	7.0	6.0	9.5	6.2	5.6
Mid Atlantic	21.3	18.1	28.9	20.0	18.5
South Atlantic	13.1	13.7	11.4	14.1	15.5
East North Central	18.9	19.4	17.5	20.2	19.2
East South Central	7.2	7.2	7.1	7.6	6.6
West North Central	9.8	10.1	9.1	9.3	7.6
West South Central	10.6	11.8	7.8	9.6	9.7
Mountain	3.0	3.2	2.6	3.4	3.9
Pacific	9.1	10.4	6.0	9.6	13.3

*Census-A 1950 census (= census closest to median birth date)

†Census-B Census estimate of 18-44 year old population as of July 1, 1966

TABLE VIII

CROSS-TABULATIONS BY BIRTHPLACE OF SUBJECT AND BIRTHPLACE OF HER FATHER

(a) Total Series

Birthplace of Subject

Birthplace of Father — *Region*	*1*	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*	*Total*
1	93	8	1	2					4	1	109
2	9	307	15	16	3	1	6	1	9	3	370
3	4	18	190	12	4	3	1	1	4	4	241
4	4	11	11	239	4	15	6	2	9	2	303
5	3	2	12	25	109	1	9	3	6	1	171
6	1	1	2	17		144	9	9	24	2	209
7	1	1	1	7	4	7	139	9	18	1	188
8			2	4		2	1	28	11		48
9	2		1			1	2	1	65	3	75
10	9	33	2	17		1	10	1	11	48	132
Total	126	381	237	339	124	175	183	55	161	65	1846

Number on Diagonal = 1362 = 74%

(b) Officer and Officer Trainee Series

Birthplace of Subject

Birthplace of Father — *Region*	*1*	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*	*Total*
1	38	3							1		42
2	4	121	3	5	3	1	2		3		142
3		3	49	2	1				1		56
4	2	6	4	68	2	5	3	1	1		92
5	2	1	3	3	31		3	1	1		45
6			1	7		39	3	6	3		59
7		1		1		2	26	1	2		33
8				1				5			6
9									15		15
10	5	19	1	7		1	3		5	11	52
Total	51	154	61	94	37	48	40	14	32	11	542

Number on Diagonal = 403 = 74%

TABLE VIII—(Concluded)

(c) Enlisted Women (Including Trainees)

Birthplace of Subject

Birthplace of Father — *Region*	*1*	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*	*Total*
1	55	5	1	2					3	1	67
2	5	186	12	11			4	1	6	3	228
3	4	15	141	10	3	3	1	1	3	4	185
4	2	5	7	171	2	10	3	1	8	2	211
5	1	1	9	22	78	1	6	2	5	1	126
6	1	1	1	10		105	6	3	21	2	150
7	1		1	6	4	5	113	8	16	1	155
8			2	3		2	1	23	11		42
9	2		1			1	2	1	50	3	60
10	4	14	1	10			7	1	6	37	80
Total	75	227	176	245	87	127	143	41	129	54	1304

Number on Diagonal = 959 = 74%

TABLE IX

CROSS-TABULATIONS BY BIRTHPLACE OF SUBJECT AND BIRTHPLACE OF HER MOTHER

(a) Total Series

Birthplace of Subject

Birthplace of Mother — *Region*	*1*	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*	*Total*
1	102	9	6	1	1	1	1	1	2	2	126
2	8	308	12	13	4	4	2	1	6		358
3	1	20	194	9	4	2	5	1	4	1	241
4	3	5	9	260	5	10	6	6	10		314
5	1	2	11	18	108	3	5	1	6		155
6		3	2	17	1	144	12	9	25	2	215
7	1	3	1	6	7	7	146	4	20	3	198
8				5		1		25	16	1	48
9	2	3	2			3	1	4	66		81
10	10	32	3	13		3	12	4	8	56	141
Total	128	385	240	342	130	178	190	56	163	65	1877

Number on Diagonal = 1409 = 75%

TABLE IX—(Concluded)

(b) Officer and Officer Trainee Series

Birthplace of Subject

Birthplace of Mother — *Region*	*1*	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*	*Total*
1	39	1	2	1					1		44
2	3	130	3	3	1		1		1		142
3		3	50	1	1	1					56
4		1	3	75	1	2		3	1		86
5				1	34	1	1		1		38
6		1	1	4		44	5	4	3		62
7	1	1		2	1		31		1		37
8				1				3	3	1	8
9	1	1						1	19		22
10	7	16	2	6		1	4	3	2	10	51
Total	51	154	61	94	38	49	42	14	32	11	546

Number on Diagonal = 435 = 80%

(c) Enlisted Women (Including Trainees)

Birthplace of Subject

Birthplace of Mother — *Region*	*1*	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*	*Total*
1	63	8	4		1	1	1	1	1	2	82
2	5	178	9	10	3	4	1	1	5		216
3	1	17	144	8	3	1	5	1	4	1	185
4	3	4	6	185	4	8	6	3	9		228
5	1	2	11	17	74	2	4	1	5		117
6		2	1	13	1	100	7	5	22	2	153
7		2	1	4	6	7	115	4	19	3	161
8				4		1		22	13		40
9	1	2	2			3	1	3	47		59
10	3	16	1	7		2	8	1	6	46	90
Total	77	231	179	248	92	129	148	42	131	54	1331

Number on Diagonal = 974 = 73%

TABLE X

DISTRIBUTION BY BLOOD TYPE AND Rh FACTOR

(a) Blood Type

Type	*Total Series*		*Officers*		*Enlisted*	
O	786	43.5%	233	44.7%	553	43.0%
AB	69	3.8%	25	4.8%	44	3.4%
B	237	13.1%	38	11.1%	179	13.9%
A	714	39.5%	205	39.4%	509	39.6%
	1806	100.0%	521	100.0%	1285	100.0%

(b) Rh Factor

	Total Series		*Officers*		*Enlisted*	
Positive	1530	85.2%	430	81.9%	1100	86.6%
Negative	266	14.8%	95	18.1%	171	13.4%
	1796	100.0%	525	100.0%	1271	100.0%

(c) Cross-Tabulation of Blood Type and Rh Factor

	Blood Type				
	A	*B*	*AB*	*O*	*Total*
Rh+	605	196	58	664	1523
Rh−	105	41	10	110	266
	710	237	68	774	1789

(d) Cross-Tabulation of Blood Type and Region of Birth

Region	*A*	*B*	*AB*	*O*	*Total*
1	43	14	6	58	121
2	137	55	12	167	371
3	89	36	7	95	227
4	140	37	13	140	330
5	49	10	5	61	125
6	78	23	4	66	171
7	77	21	7	82	187
8	21	11	3	15	50
9	60	22	9	70	161
10	19	8	3	31	61
	713	237	69	785	1804

(e) Cross-Tabulation of Rh Factor and Region of Birth

	Region of Birth										
	1	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*	*Total*
Rh+	103	315	198	266	105	137	162	40	143	59	1528
Rh−	19	51	30	62	19	34	23	8	17	3	266
	122	366	228	328	124	171	185	48	160	62	1794

TABLE XI

DISTRIBUTION BY HANDEDNESS

	Total		*Officers*		*Enlisted Women*	
Right-Handed	1676	88.7%	489	89.7%	1187	88.3%
Left-Handed	167	8.8%	44	8.1%	123	9.1%
Ambidextrous	47	2.5%	12	2.2%	35	2.6%
	1890	100.0%	545	100.0%	1345	100.0%

TABLE XII

DISTRIBUTION BY REPORTED RACE

(a) Distribution of Sample by Reported Race

	Total		*Officers*		*Enlisted*	
White	1742	91.4%	526	96.0%	1216	89.6%
Negro	146	7.7%	15	2.7%	131	9.7%
Others	17	0.9%	7	1.3%	10	0.7%
	1905	100.0%	548	100.0%	1357	100.0%

(b) Cross-Tabulation by Race and Region of Birth

	Total				*Officers*				*Enlisted*			
Region	*W*	*N*	*O*	*T*	*W*	*N*	*O*	*T*	*W*	*N*	*O*	*Total*
1	126	2	1	129	51	—	—	51	75	2	1	78
2	365	26	—	391	155	—	—	155	210	26	—	236
3	197	43	—	240	56	5	—	61	141	38	—	179
4	338	9	—	347	93	1	—	94	245	8	—	253
5	110	22	—	132	34	4	—	38	76	18	—	94
6	178	2	—	180	49	—	—	49	129	2	—	131
7	158	36	1	195	38	4	—	42	120	32	1	153
8	53	1	2	56	14	—	—	14	39	1	2	42
9	158	1	9	168	27	—	5	32	131	1	4	136
10	57	4	4	65	8	1	2	11	49	3	2	54
	1740	146	17	1903	525	15	7	547	1215	131	10	1356

TABLE XIII

DISTRIBUTION BY MARITAL STATUS

	Total		*Officers*		*Enlisted*	
Single	1664	87.4%	448	81.8%	1216	89.6%
Married	194	10.2%	77	14.1%	117	8.6%
Divorced	45	2.4%	21	3.8%	24	1.8%
Other	2	0.1%	2	0.4%		
	1905		548		1357	

TABLE XIV

DISTRIBUTION BY REPORTED AGE AT MENARCHE

a. Frequency Distribution: Total Series and for Officers and Officer Trainees

Age	*Total*		*Officers and O.T.*		*Officers*		*O.T.*	
	F	*% CF*	*F*	*% CF*	*F*	*% CF*	*F*	*% CF*
20-21	2	100.0	1	100.0	1	100.0		
19-20	0	99.9	0	99.8	0	99.8		
18-19	2	99.9	1	99.8	1	99.8		
17-18	11	99.8	4	99.6	4	99.6		
16-17	53	99.2	8	98.9	6	98.7	2	100.0
15-16	103	96.4	20	97.4	18	97.4	2	97.6
14-15	254	90.1	57	93.7	51	93.5	6	95.2
13-14	635	77.5	176	83.2	147	82.4	29	88.1
12-13	503	43.9	154	50.8	127	50.3	27	53.6
11-12	220	17.3	91	22.5	77	22.7	14	21.4
10-11	82	5.7	25	5.7	22	5.9	3	4.8
9-10	25	1.3	6	1.1	5	1.1	1	1.2

b. Percentiles and Summary Statistics: Total Series and for Officers and Officer Trainees

Percentiles	*Total*	*Officers and O.T.*	*Officers*	*O.T.*
99th	16.9	17.1	17.3	
95th	15.7	15.4	15.4	15.0
90th	14.9	14.6	14.7	14.3
80th	14.2	13.9	14.0	13.8
70th	13.8	13.6	13.6	13.4
60th	13.5	13.3	13.3	13.2
50th	13.2	13.0	13.0	12.9
40th	12.9	12.6	12.6	12.6
30th	12.5	12.3	12.2	12.3
20th	12.1	11.9	11.8	11.9
10th	11.4	11.3	11.2	11.3
5th	10.8	10.8	10.8	11.0
1st	9.8	9.9	9.9	
Mean	13.18	12.96	12.98	12.89
SD	1.42	1.38	1.41	1.24
Veta I	0.30	0.68	0.73	0.26
Veta II	4.17	5.50	5.60	3.93
N	1890	543	459	84

TABLE XIV—(Concluded)

c. Frequency Distribution for Enlisted and Basic Trainees

Age	*Enlisted Women*		*EW-BT**		*Basic Trainees*	
	F	*% CF*	*F*	*% CF*	*F*	*% CF*
20-21	1	100.0	1	100.0		
19-20	0	99.9	0	99.9		
18-19	1	99.9	0	99.9	1	100.0
17-18	7	99.8	7	99.9	0	99.7
16-17	45	99.3	34	99.2	11	99.7
15-16	83	96.0	66	95.9	17	96.4
14-15	197	89.8	152	89.4	45	91.2
13-14	459	75.2	348	74.4	111	77.6
12-13	349	41.1	256	40.2	93	44.1
11-12	129	15.2	101	15.0	28	16.0
10-11	57	5.6	36	5.0	21	7.6
9-10	19	1.4	15	1.5	4	1.2

d. Percentiles and Summary Statistics for Enlisted and Basic Trainees

Percentiles	*Enlisted Women*	*EW-BT**	*Basic Trainees*
99th	16.9	16.9	16.8
95th	15.8	15.8	15.7
90th	15.0	15.1	15.0
80th	14.4	14.4	14.3
70th	13.9	14.0	13.9
60th	13.6	13.6	13.5
50th	13.2	13.2	13.2
40th	12.9	12.9	12.8
30th	12.5	12.6	12.4
20th	12.1	12.2	12.0
10th	11.5	11.6	11.4
5th	10.9	11.0	10.8
1st	9.6	9.6	9.7
Mean	13.25	13.28	13.16
SD	1.42	1.43	1.40
Veta I	0.21	0.21	0.20
Veta II	3.96	4.06	3.63
N	1347	1016	331

*Enlisted Women, excluding Basic Trainees

ESTIMATED STATURE AND WEIGHT

Each subject was asked prior to being measured to estimate her stature in inches and her nude weight in pounds. As table XV indicates, these women tended on the average to overestimate their statures by about 2.5 cm (1.0 inch) and to underestimate their weights by slightly more than three-quarters of a kilogram (1.9 pounds). Correlations between the estimate and the measured values were high. For the total series, the correlation for weight was 0.973 and that for height was 0.961. The correlations based on the officer data were slightly higher than those for the entire sample and those based on the enlisted women were slightly lower. The officers estimated their weights with a smaller average error—0.4 kg (1.0 lb)—than the average error—1.0 kg (2.2 lb)—made by the enlisted women. The average errors of the stature estimates for the two groups were approximately equal.

Six bivariate tables showing the joint distributions of estimated and measured values for weight and stature for the total, the officer, and the enlisted series are included in table XVI.

The question of how the differences between the estimated and measured values related to the actual values of height, weight, and age was explored. Subjects were categorized as being young (age 21 or younger) or old (over 21 [sic!]); of light weight (weight not over 127 pounds) or heavy weight (weight over 127 pounds); short (statures not more than 162.6 cm) or tall (stature over 162.6 cm). Table XVII lists the average difference between the estimated and measured values and the standard deviation of the differences for the subjects in each of these categories and combinations of the categories.

TABLE XV

ESTIMATED STATURES AND WEIGHTS

(TOTAL SERIES)

	Statures (cm)		*Weight (kg)*	
	Mean	*S.D.*	*Mean*	*S.D.*
Estimated	164.59	6.17	56.43	7.13
Measured	162.10	6.00	57.26	7.46
Est - Meas	2.50	1.71	-.83	1.73
N	1901		1901	
r (Est, Meas)	0.961		0.973	

TABLE XVI

BIVARIATE TABLES OF ESTIMATED AND MEASURED STATURES AND WEIGHTS

-- THE TOTAL SERIES --

STATURE AS ESTIMATED BY SUBJECTS

STATURE AS MEASURED	58.00	59.00	60.00	61.00	62.00	63.00	64.00	65.00	66.00	67.00	68.00	69.00	70.00	71.00	72.00	73.00	74.00	TOTALS
183.25																	1	1
181.25															1			1
179.25													1	4	4			9
177.25												1	6	4	2	1		14
175.25												5	8					13
173.25											8	35	9	1				53
171.25										5	45	25	7					82
169.25								1	3	35	72	12		1				124
167.25								7	40	94	45	1						187
165.25							1	25	101	50	6							183
163.25						2	18	108	101	10	2							241
161.25			1		1	21	121	104	11	1								260
159.25					6	65	114	24	2									211
157.25				6	46	100	36	2										190
155.25			1	14	100	40	5											160
153.25			8	35	40	5												88
151.25			26	27	5	1												59
149.25			16		1													17
147.25		3	5															8
145.25	1		1															2
TOTALS	1	3	58	82	199	234	295	271	258	195	178	79	31	10	7	1	1	1903

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-STATURE	162.11	6.00	2.371X	+	8.452	1.66	0.961
X-STATURE - ESTIMATED	64.81	2.43	0.389Y	+	1.746	0.67	

A BIVARIATE FREQUENCY TABLE FOR

WEIGHT AS ESTIMATED BY SUBJECTS

WEIGHT AS MEASURED	84.00	89.00	94.00	99.00	104.00	109.00	114.00	119.00	124.00	129.00	134.00	139.00	144.00	149.00	154.00	159.00	164.00	169.00	174.00	179.00	184.00	189.00	194.00	TOTALS
200.00																						1	1	2
195.00																						1	1	2
190.00																				1			1	2
185.00																1		1	1	2	3			7
180.00																1				2				3
175.00														1				3	2	1				7
170.00														2	2	1	2	7						14
165.00												1	1	1	3	6	5	2						17
160.00												3	7	3	7	14	4							30
155.00											1	8	25	34	2	1								71
150.00										1	16	44	56	5										122
145.00									1	12	51	60	18											142
140.00								1	7	69	83	19	2											181
135.00								17	72	107	33	2												231
130.00							1	84	108	39	2													241
125.00						2	5	53	117	42	2													221
120.00					2	37	133	35	2															209
115.00					24	77	48	3																152
110.00					71	24	2																	113
105.00			1	15	12	2		1																61
100.00		2	8	36	1																			22
95.00			12	9																				4
90.00		3	1																					1
85.00	1																							
TOTALS	1	5	22	60	112	146	243	258	232	230	186	137	109	61	34	26	11	13	3	6	3	2	3	1903

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-WEIGHT	127.26	16.58	1.019X	-	0.531	3.83	0.973
X-WEIGHT AS ESTIMATED	125.40	15.83	0.929Y	+	7.183	3.66	

TABLE XVI

BIVARIATE TABLES OF ESTIMATED AND MEASURED STATURES AND WEIGHTS

-- THE OFFICER SERIES --

STATURE AS ESTIMATED BY SUBJECTS

STATURE AS MEASURED	59 .00	60 .00	61 .00	62 .00	63 .00	64 .00	65 .00	66 .00	67 .00	68 .00	69 .00	70 .00	71 .00	72 .00	TOT ALS
179.25													2	2	4
177.25											1	2	2	1	6
175.25											2	3			5
173.25										3	9	4	1		17
171.25									1	14	12	2			29
169.25								1	10	28	5				44
167.25							2	9	31	18					60
165.25							3	33	19						55
163.25						7	29	35	2						73
161.25					5	30	34	3							72
159.25				2	13	29	7								51
157.25			2	13	24	7									46
155.25		1	5	22	10										38
153.25		2	5	9	1										17
151.25		15	6	2											23
149.25		3													3
147.25	2	1													3
145.25		1													1
TOTALS	2	23	18	48	53	73	75	81	63	63	29	11	5	3	547

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-STATURE	162.79	6.19	2.374X + 8.363	1.51	0.970
X-STATURE - ESTIMATED	65.05	2.53	0.396Y + 0.585	0.62	

A BIVARIATE FREQUENCY TABLE FOR

WEIGHT AS ESTIMATED BY SUBJECTS

WEIGHT AS MEASURED	94 .00	99 .00	104 .00	109 .00	114 .00	119 .00	124 .00	129 .00	134 .00	139 .00	144 .00	149 .00	154 .00	159 .00	164 .00	169 .00	174 .00	179 .00	184 .00	189 .00	194 .00	TOT ALS
195.00																					1	1
190.00																		1			1	2
185.00																	1		1			2
180.00																		2				2
175.00												1				2	2	1				6
170.00												2	1	1	1	4						9
165.00												1	2	4	3	2						12
160.00											1	1	2	12	2							18
155.00										2	4	8	10	1								25
150.00										1	7	14	1	1								24
145.00									2	9	28	3										42
140.00								4	17	17	9											47
135.00								15	25	8												48
130.00							1	11	35	14	1											62
125.00							9	33	14	1												57
120.00				1	6	33	16	2														58
115.00				4	35	8	1															48
110.00			2	17	24	2																45
105.00		1	16	8																		25
100.00		7	3																			10
95.00	2	2	1																			5
TOTALS	2	10	22	30	65	53	61	70	59	38	49	30	16	19	6	8	3	4	1	0	2	548

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-WEIGHT	131.52	18.47	1.049X - 5.442	3.82	0.978
X-WEIGHT AS ESTIMATED	130.57	17.22	0.912Y + 10.618	3.56	

TABLE XVI

BIVARIATE TABLES OF ESTIMATED AND MEASURED STATURES AND WEIGHTS

-- THE ENLISTED SERIES --

STATURE AS ESTIMATED BY SUBJECTS

STATURE AS MEASURED	58 .00	59 .00	60 .00	61 .00	62 .00	63 .00	64 .00	65 .00	66 .00	67 .00	68 .00	69 .00	70 .00	71 .00	72 .00	73 .00	74 .00	TOT ALS
183.25																	1	1
181.25															1			1
179.25													1	2	2			5
177.25													4	2	1	1		8
175.25												3	5					8
173.25											5	26	5					36
171.25										4	31	13	5					53
169.25								1	2	25	44	7		1				80
167.25								5	31	63	27	1						127
165.25							1	22	68	31	6							128
163.25						2	11	79	66	8	2							168
161.25			1		1	16	91	70	8	1								188
159.25					4	52	85	17	2									160
157.25				4	33	76	29	2										144
155.25				9	78	30	5											122
153.25			6	30	31	4												71
151.25			11	21	3	1												36
149.25			13		1													14
147.25		1	4															5
145.25	1																	1
TOTALS	1	1	35	64	151	181	222	196	177	132	115	50	20	5	4	1	1	1356

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-STATURE	161.83	5.90	2.368X + 8.604	1.71	0.957
X-STATURE - ESTIMATED	64.71	2.38	0.387Y + 2.079	0.69	

A BIVARIATE FREQUENCY TABLE FOR

WEIGHT AS ESTIMATED BY SUBJECTS

WEIGHT AS MEASURED	84 .00	89 .00	94 .00	99 .00	104 .00	109 .00	114 .00	119 .00	124 .00	129 .00	134 .00	139 .00	144 .00	149 .00	154 .00	159 .00	164 .00	169 .00	174 .00	179 .00	184 .00	189 .00	194 .00	TOT ALS
200.00																						1	1	2
195.00																						1		1
190.00																								0
185.00																		1		2	2			5
180.00																1								1
175.00																		1						1
170.00															1		1	3						5
165.00															1	2	2							5
160.00												1		2	5	2	2							12
155.00												1	3	7	10	2								23
150.00											1	7	18	20	1									47
145.00										1	14	35	28	2										80
140.00									1	8	34	43	9											95
135.00								1	7	54	58	11	2											133
130.00								16	61	72	19	1												169
125.00						1	7	75	75	25	1													184
120.00					2	4	47	84	26															163
115.00					2	33	98	27	1															161
110.00					22	60	24	1																107
105.00			1	14	55	16	2																	88
100.00		2	8	29	9	2		1																51
95.00			10	7																				17
90.00		3	1																					4
85.00	1																							1
TOTALS	1	5	20	50	90	116	178	205	171	160	127	99	60	31	18	7	5	5	0	2	2	2	1	1355

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-WEIGHT	125.53	15.41	1.015X + 0.364	3.75	0.970
X-WEIGHT AS ESTIMATED	123.32	14.73	0.927Y + 6.950	3.58	

TABLE XVII

DIFFERENCES BETWEEN ESTIMATED AND MEASURED STATURES AND WEIGHTS BY STATURE - WEIGHT - AGE CATEGORIES

(a) Difference in Stature: Estimated minus Measured

(Centimeters)

	Mean	*SD*	*N*
Young	2.48	1.76	1150
Old	2.53	1.63	751
Light	2.28	1.71	1024
Heavy	2.77	1.68	877
Short	2.45	1.71	1046
Tall	2.55	1.68	855
Young - Light	2.28	1.73	668
Young - Heavy	2.76	1.78	482
Old - Light	2.27	1.66	356
Old - Heavy	2.77	1.56	395
Young - Short	2.50	1.73	659
Young - Tall	2.45	1.80	491
Old - Short	2.38	1.69	387
Old - Tall	2.69	1.54	364
Light - Short	2.34	1.70	765
Light - Tall	2.10	1.70	259
Heavy - Short	2.78	1.73	281
Heavy - Tall	2.75	1.66	596
Young - Light - Short	2.41	1.71	509
Young - Light - Tall	1.86	1.70	159
Young - Heavy - Short	2.81	1.76	150
Young - Heavy - Tall	2.73	1.78	332
Old - Light - Short	2.18	1.67	256
Old - Light - Tall	2.48	1.62	100
Old - Heavy - Short	2.76	1.68	131
Old - Heavy - Tall	2.77	1.50	264

Age: Young — under 22; old — 22 and over

Stature: Short — Stature not over 162.6 cm; tall — stature greater than 162.6

Weight: Light — weight not over 127 pounds; heavy — weight over 127 pounds

TABLE XVII (Concluded)

(b) Differences in Weights: Estimated minus Measured

(*Kilograms*)

	Mean	*SD*	*N*
Young	-1.06	1.70	1150
Old	-0.49	1.72	751
Light	-0.45	1.48	1024
Heavy	-1.28	1.83	877
Short	-0.80	1.57	1046
Tall	-0.86	1.86	855
Young - Light	-0.71	1.53	668
Young - Heavy	-1.54	1.79	482
Old - Light	+0.02	1.37	356
Old - Heavy	-0.95	1.86	395
Young - Short	-1.03	1.56	659
Young - Tall	-1.09	1.86	491
Old - Short	-0.42	1.59	387
Old - Tall	-0.55	1.85	364
Light - Short	-0.57	1.45	765
Light - Tall	-0.13	1.71	259
Heavy - Short	-1.46	1.84	281
Heavy - Tall	-1.18	1.85	596
Young - Light - Short	-0.79	1.44	509
Young - Light - Tall	-0.46	1.77	159
Young - Heavy - Short	-1.85	1.66	150
Young - Heavy - Tall	-1.40	1.83	332
Old - Light - Short	-0.12	1.30	256
Old - Light - Tall	+0.38	1.47	100
Old - Heavy - Short	-1.01	1.91	131
Old - Heavy - Tall	-0.91	1.85	264

Some minor tendencies appear in table XVII. Heavy women tend to underestimate their weights more than do light ones and young ones more than older ones. The young-heavy-short women gave the most discrepant estimates, underestimating their weight by 1.85 kg (4 lb) on the average; the opposite group, the old-light-tall women, on the other hand, overestimated their weights by about 0.4 kg (0.9 lb).

The mean differences for statures were about the same for all categories.

COMPARISON OF SAMPLE WITH TOTAL POPULATION OF AIR FORCE WOMEN

The following comparisons can be made between the background data for the nontrainees in the sample and for those in the total population of Air Force women:

Distributions by Rank and Grade

Distribution by rank and grade appears in table XVIII. The breakdown by rank for the officer sample is quite similar to that of the population. Staff grade officers are slightly over-represented in the sample (21%) in comparison with the population (19%). This is in contrast to many military surveys in which these higher ranks are substantially under-represented.

The sample of enlisted women, however, does not closely mirror the enlisted population. There are too many Airmen (E-2's) and too few with the grade of Staff Sergeants (E-5's) and above in the sample. The proportions of Airmen First Class (E-3's) and Sergeants (E-4's)—two categories which together contain more than half of the enlisted women—are, however, quite close for sample and population.

Distribution by Air Force Specialty Code

Distribution by AFSC for sample and population is given in table XIX. Like the officer sample, the officer population consists primarily of nurses. The proportion in the population is somewhat lower than in the sample (78% vs 84%) and there is a wider distribution of AFSC's in the population.

The population of enlisted women is considerably less concentrated in the medical field than is our sample. While 44% of the enlisted sample had medical AFSC's only 19% of the population did. The major enlisted AFSC appears to be the Administration one; 29% of the population were assigned this code as opposed to 16% in the sample. Women not in these two categories were, in the main, divided up over eight other occupational groups.

Distribution by Region of Birth

Birthplace data for about three-quarters of the total population of officers were available and are contrasted in table XX with the distribution of region of birth data for the officer sample. The two sets of data are in substantial agreement. The observation made in discussing table VII that the officers in the sample were born in substantially greater than expected numbers in New England and the Mid-Atlantic states and in smaller than expected numbers on the west coast applies equally well to the officer population.

TABLE XVIII

DISTRIBUTION BY RANK AND GRADE OF SAMPLE AND POPULATION OF AIR FORCE WOMEN

(a) Officers

	Sample	*Population*
Colonel	0.2%	0.2%
Lt Colonel	5.2%	4.0%
Major	15.2%	14.4%
Captain	26.2%	32.7%
1st Lieutenant	34.8%	34.3%
2nd Lieutenant	18.4%	14.5%

(b) Enlisted Women

Chief Master Sergeant		0.1%
Senior Master Sergeant	0.4%	0.4%
Master Sergeant	0.6%	2.5%
Technical Sergeant	1.2%	4.5%
Staff Sergeant	3.4%	10.0%
Sergeant	13.7%	16.5%
Airman First Class	40.1%	38.2%
Airman Basic	40.6%	27.8%

TABLE XIX

DISTRIBUTION BY AIR FORCE SPECIALTY CODE OF SAMPLE AND POPULATION OF AIR FORCE WOMEN

(a) Officers

Code	*Sample*	*Population*
97-Nurse	84%	78%
92-Biomedical Sciences	8%	5%
70-Administration	3%	5%
75-Education & Training	2%	1%
73-Personnel	1%	5%
79-Information		1%
68-Data Automation		1%
80-Intelligence		1%
30-Communications		1%
60-Transportation		1%
Miscellaneous	2%	2%

(b) Enlisted Women

Code	*Sample*	*Population*
90-91-Medical	44%	19%
70-Administration	16%	29%
98-Dental	8%	3%
29-Communications-Operations		12%
73-Personnel	6%	12%
64-Supply	5%	6%
99-Special Duty	4%	
67-Accounting	3%	6%
60-Transportation	1%	4%
27-Aerospace Control	1%	2%
68-Data Systems	1%	2%
Miscellaneous	5%	4%

TABLE XX

DISTRIBUTION BY BIRTHPLACE OF SAMPLE AND POPULATION OF AIR FORCE OFFICERS

*Region**	*Sample*	*Population***
1. New England	9.5%	10.7%
2. Mid Atlantic	28.9%	25.0%
3. South Atlantic	11.4%	14.3%
4. East North Central	17.5%	17.2%
5. East South Central	7.1%	6.9%
6. West North Central	9.1%	9.5%
7. West South Central	7.8%	8.1%
8. Mountain	2.6%	3.0%
9. Pacific	6.0%	5.3%

*Excluding foreign born

**Based on an approximately 75% sample

SECTION IV

THE STATISTICAL MEASURES

The ultimate usefulness of any survey depends to a large degree on the extent to which the huge body of measurement data it created is translated by statistical analyses into summaries which are of value in the handling of design and related problems and which reveal the important implications of the data. The statistical materials given in this portion of the report have been chosen in the belief that they provide the simplest and most generally useful univariate summaries of the third of a million data collected in the present survey. Valuable as we hope these statistics will prove to be, they contain only a small portion of the useful information embodied in the survey data. Other summaries, in particular those involving the simultaneous distribution of two or more sets of measurement data, appear in later parts of this report.

The summary statistics which traditionally have been included in anthropometric survey reports prepared by the USAF are provided here for each anthropometric variable. Measures of skewness and kurtosis have been added to the list of summary statistics, and the frequency distribution of each variable is presented in both tabular and graphic forms.

The means, standard deviations, standard errors, and the percentiles are listed in both metric and English units. The statistics are given first (to the left of the statistics' name in the tables) in the type of units in which the data were measured and then in the converted units. The intervals in the frequency tables and graphs are in the type of units in which the data were measured.

The traditional statistics reported are these:

THE ARITHMETIC MEAN. This statistic is the commonest of the averages and is what is usually meant when either of the terms "mean" or "average" is used without modification. The arithmetic mean of a number of values is the sum of these values divided by the number of the values. Thus, for example, since the 1905 women measured in this survey weighed a grand total of 242,468 pounds, their mean weight was

$$\bar{x} = \frac{\Sigma X}{N} = \frac{242{,}468}{1905} = 127.3 \text{ pounds}$$

The mean is designated in the statistical literature by a variety of symbols, the most common being $\bar{x}$, μ, and M. When more than one set of data are being considered at the same time, the several mean values may be denoted variously as: $\bar{x}$, $\bar{y}$, $\bar{z}$, or $\bar{x}_1$, $\bar{x}_2$, $\bar{x}_3$, or M_x, M_y, M_z, or M_1, M_2, M_3, or μ_x, μ_y, μ_z, or μ_1, μ_2, μ_3.

THE MEDIAN. A second average, the median, designates the value of the "person-in-the-middle." If all the subjects in this survey had been lined up in order from the shortest to the tallest, the height (1620 mm) of the woman in the middle of the line would be the median height. The definition of the median is the same as that of the 50th percentile—50% of the data being smaller than it and 50% being larger—and the value of the median is to be found at the middle of the percentile tables. The method we used in computing the percentiles and its relationship to the definition of these statistics is discussed below; that discussion is as relevant to the interpretation of the median as it is to that of the other percentiles.

The median and the arithmetic mean have approximately the same values for most of the data gathered in this survey; for these data the question of whether one or the other is the better average is hardly important. Even for such measurement variables as weight and the skinfolds, for which the differences are largest, the differences are not substantial: 1.2 pounds for weight, and from 0.26 to 1.17 millimeters for the skinfolds.

THE STANDARD DEVIATION. The standard deviation is the basic measure of variability. If most of a set of data cluster close to their mean value, the standard deviation will be small. If, on the other hand, many of the data are either much smaller or much larger than the mean, the standard deviation will be large. By definition, the standard deviation is the square root of the average (i.e., arithmetic mean) of the squared deviations from the mean value. In formula, the standard deviation equals $SD = \sqrt{\Sigma (x-\bar{x})^2/N}$ where Σ is the summation operator, x represents the individual values, $\bar{x}$ their arithmetic mean, and N the number of values.

A useful way of conceptualizing the standard deviation is to consider the middle two-thirds of a set of data such as the values of stature. The smallest value in this middle two-thirds will be about one standard deviation below the mean value and the largest value in this set will be roughly equal to the mean value plus one standard deviation. Similarly, the middle 95 percent of the data will have values ranging from approximately two standard deviations below the mean to two standard deviations above it.

The standard deviation is usually designated by SD, s, or σ. Any one of these may be subscripted when several variables are being considered simultaneously. The word "sigma" ($=\sigma$) is sometimes used verbally to refer to the standard deviation.

THE COEFFICIENT OF VARIATION. This statistic is a restatement of the standard deviation as a percent of the mean, and it is usually denoted by the letter V. Thus,

$$V = 100 \cdot SD/\bar{x}.$$

The relationships which were noted for the standard deviation have equivalent forms in terms of V. Thus, about two-thirds of a set of data will lie between $(100-V)\%$ and $(100+V)\%$ of the mean, about 95 percent will lie between $(100-2V)\%$ and $(100+2V)\%$ of the mean, and so forth.

For many anthropometric variables, the coefficient of variation varies within a much narrower range than does the standard deviation. The value of V is often associated with the general anatomical nature of the variable involved. Long bone lengths (major heights, hand length, and so forth) tend to have coefficients of variation in the 3.5% to 5% range; fleshy circumferences have ones which range from 6% to 10%; and those for the skinfolds are mostly in the 30% to 40% range.

THE PERCENTILES. This group of statistics belongs to a class of measures designated as "measures of order or position." These measures can be thought of as being obtained by arranging the data in order from the smallest value to the largest one and then observing the value of the datum which lies at a specified position in the array. The smallest value, the next-to-the largest value, the middle value, and the like are examples of this type of statistics.

Perhaps the most useful of these statistics are the percentiles. The 99 percentiles—ranging from the 1st to the 99th—are the values at the points which separate consecutive blocks or units of 1% of the data in the ordered array. The first percentile is the value which separates the smallest 1% of the data from the 99% of the data with larger values; the second percentile separates the smallest 2% from the larger 98% and so on.

Twenty-five of these percentiles: the 1st, 2nd, 3rd, 97th, 98th, 99th, plus the hth for all values of h which are multiples of 5, are listed for each anthropometric variable. Several of the listed percentiles have additional names: in particular, the 50th percentile is the median; the 25th, 50th, and 75th are the 1st, 2nd, and 3rd quartiles; and the 10th, 20th, 30th, . . ., 90th are the nine deciles.

The percentiles given here are computed by a procedure which follows the spirit rather than the letter of definition. The reasons for doing this and a description of the computational procedure are in the section on computational procedures.

THE STANDARD ERRORS. All statistics computed from a sample of data are subject to the effects of sampling error. When a sample has been selected by a random or other probability sampling process, it is often possible to estimate the magnitude of the sampling error. For many statistics, this estimate takes the form of the standard error of that statistic. The standard error is a standard deviation type statistic and is such that, were a large number of samples of data selected in the same way from the same population, about two-thirds of the samples would have means (or standard deviations or percentiles or whatever) with values which lie within a standard error of the corresponding population statistic, 95% within two standard errors, and so forth. Hence, it is conventional to suppose, when dealing with the statistics computed from a single sample, that the population statistics may well be within a standard error—up or down—of the corresponding sample statistics, and that it is rather likely that they are within two standard errors.

Each statistic has its own standard error, the value of which depends on the statistic, on the sample size, and, often, on the standard deviation of the data. The standard errors of most common statistics (except the range) are, for the large samples, inversely proportional in size to the square root of the sample size.

For each variable, the standard error of the mean ($=SD/\sqrt{N}$) and that of the standard deviation ($=SD/\sqrt{2N}$) are listed. The standard errors of the other statistics used in this report can be computed using the following formulas:

Statistic	*Standard Error*
30th thru 70th Percentiles	1.3 SE of the Mean
20th, 25th, 75th & 80th Percentiles	1.4 SE of the Mean
15th & 85th Percentiles	1.5 SE of the Mean
10th & 90th Percentiles	1.7 SE of the Mean
5th & 95th Percentile	2.1 SE of the Mean
3rd & 97th Percentile	2.5 SE of the Mean
2nd & 98th Percentile	2.9 SE of the Mean
1st & 99th Percentile	3.7 SE of the Mean
Coefficient of Variation	$V/\sqrt{2N}$
Veta I	$\sqrt{6/N}$
Veta II	$\sqrt{24/N}$

The standard error is variously designated as SE, SE (Z) where Z is the statistic involved, σ_z, and so forth. When a statistic is presented as "164.28 ± 0.93", the value "0.93" is usually (though not always) the standard error of that statistic.

The standard error is a well established statistic of widespread use, and it is generally expected that the various standard error values and a discussion of them will be included in a report of this type. Nevertheless, since probability sampling was not used in this survey, it is not clear what relationship exists between these standard errors and the actual sampling errors of the statistics reported here. A similar comment can, of course, be made about the sampling errors for all other large scale, broad anthropometric surveys.

The standard errors of the mean, the standard deviation, and the central percentiles are generally rather small, most of them being less than 1.0 or 1.5 millimeters, a value of no real significance in evaluating these statistics.

The two statistics not listed in previous USAF anthropometric reports are:

VETA I—A MEASURE OF SYMMETRY. The statistic β_1 is based on the fact that in a symmetric distribution every value equal to a given amount greater than the mean will be matched by a value an equal amount less than the mean, so that the cubes of the devia-

tions from the mean—half negative and half positive—add to zero. Although the converse of this fact is by no means true—a zero sum of the cubed deviations in no way implies a symmetric distribution—the size of this sum when properly adjusted is often considered a useful indication of whether a set of data is unsymmetrically distributed and, if so, how badly. Such a use seems reasonably justified for the kind of data reported here.

Veta I is computed from the sum of the cubed deviations by dividing it by the sample size and the cube of the standard deviation, producing a dimensionless statistic:

$$\beta_1 = \frac{\Sigma(x-\bar{x})^3}{N \cdot SD^3}$$

VETA II—A MEASURE OF KURTOSIS. The statistic β_2 is similarly computed from the fourth powers of the deviations:

$$\beta_2 = \frac{\Sigma(x-\bar{x})^4}{N \cdot SD^4}$$

The interpretation of β_2 is not obvious; its major value, along with β_1, is that its value provides a basis for judging the level of agreement between the normal distribution and the actual distribution of the data.

The normal distribution values for β_1 and β_2 are 0 and 3. In theory, data distributions can deviate from either of these values without deviating from the other. For the data of this study, however, deviant values of either one, β_1 or β_2, are usually accompanied by deviant values of the other. Most of these deviant values indicate positive skewness ($\beta_1 > 0$) and platykurtosis ($\beta_2 > 3$).

When we have occasion to spell out the symbol 'β', we have used 'Veta' in accordance with contemporary Greek pronunciation.

THE FREQUENCY TABLES. The frequency tables group the data for each variable into a table containing up to fifty intervals. The procedure used to select the intervals actually used is described in the section on computational methods. Most of the variables, except those with the smallest ranges, were grouped in intervals 5 mm or 10 mm wide; these intervals always started with values ending in 2.5 mm or 7.5 mm to minimize the effect of any overuse of 0's and 5's as final digits. Often two or more variables for which the same interval width was used have overlapping ranges. To facilitate comparisons of these tables, the intervals were chosen so that the intervals for any such variables within the range of overlap will coincide.

The tables list, for each interval, the endpoints of interval, the number of women whose measurement falls within the interval (F), the cumulative frequency (CUMF), that is, the number of women whose measurement did not exceed the upper end point of the interval, and the values of F and CUMF expressed as percentages of the total number of women measured (FPCT and CUMPCT).

The frequency graphs are based on the data grouped exactly as for the frequency tables. The scale at the base of the graph represents the midpoints of the intervals. The small triangle near the middle of the base locates the mean value. The hatched areas extend along the baseline from the point two standard deviations below the mean to the point one standard deviation below the mean, and from the point one standard deviation above the mean to the point two standard deviations above the mean.

SECTION V

THE COMPUTATIONAL PROCEDURES

The statistical material given in this report is the result of the interaction of a number of factors. The most important of these are the 'true' dimensions of the women measured, the measuring techniques used to approximate these dimensions, and the process by which the data were recorded and analyzed. The measuring procedures are extensively described elsewhere in this report. The steps in the data processing which followed the actual measuring are equally deserving of adequate description. Such a description is the concern of this portion of the report.

All the data were initially recorded on the survey blank, a copy which is shown in appendix I. The blank was printed on special two-part paper which had been treated so that the undersheet became, in effect, a carbon copy of the coversheet. The creation, in this manner, of two copies of the completed blanks reduced the possibility of loss of the data records and facilitated the early stages of the data processing by making it feasible to ship one copy back from the field promptly and by ordinary mail.

The measurement data were recorded on the blank by the several recorders. Each measuring station was staffed by a pair of young women who alternated (as they wished) between the roles of measurer and recorder. The data processing began with the transferring of the data from the blank to punch cards. To facilitate this transfer, the blank was divided into several sections, each containing the material which would fit into one of the eight cards used for each subject. Each section (except the first) was labeled with the number of the card to which it corresponds.

Although the normal length of the measured values ranged from two to four digits, three columns were assigned to each variable without regard to the size of the measured values. Three small boxes followed each measured variable name on the blanks. The specified three digits were recorded in these boxes and the card punch operator was instructed to punch only the numbers occurring in the boxes. The two-digit measured values were easily enlarged to three-digit values by adding a leading zero or blank. The four-digit numbers were reduced to three-digits by dropping the initial digit. This dropping of the initial digit caused no loss of information since this digit could always be reconstructed unambiguously by the computer.

The proper values for several of the four-digit measurements—stature, cervicale height, and vertical trunk circumference, for example—always fell between 1000mm and 2000mm. An initial digit of 1 was automatically supplied for such measurements. A second group of measurements—typified by waist height, sitting height, and several of the horizontal torso circumferences—had values which were sometimes greater and sometimes less than 1000mm. These measurements always fell in the 500-1500mm range.

An initial digit of 1 was provided if the punched value was less than 500; otherwise the initial zero—automatically supplied by the computer—was retained. Thus, for example, a stature of 1624 was punched as 624 and converted by the computer back to 1624, a waist height of 1016 was punched as 016 and converted by the computer, since 016 is less than 500, to 1016. A sitting height read into the computer as 976, on the other hand, was not modified by the computer. This procedure simplified the punching by making it possible to punch all cards, except the first one, with the same program card. A similar simplicity could have been achieved by reserving four columns for each variable, but such a procedure would have substantially increased the amount of key punching and would have increased the number of cards required for each subject from 8 to 10.

The measurement data were punched from the series of boxes just described. To obtain maximum accuracy in the punching, the data were subjected to two separate punchings, and the resulting two decks of cards were subsequently compared, column by column, by the computer. The computer provided a list by subject and variable numbers of all discrepancies between the two punchings. This procedure was used because it appeared to be considerably more rigorous than the more conventional verifying process.

The verifying process, essentially a repunching of the original cards with a blunt 'punch' which will pass through the card only where it has already been punched, allows the second punch operator a maximum of three attempts to reach agreement with the first operator on each punch. The method we have used provides only a single opportunity, and gives rise to a careful examination of the data blank for each digit on which the two operators did not agree, and, we believe, substantially reduces the number of punching errors.

The procedure used in punching the background data was designed to minimize the amount of hand-coding. As a rule, the non-numeric data were recorded by punching the first two or three letters of a response. Thus, for example, the three birthplace responses were usually entered into the cards by punching the first three letters of a state's name, or its initials if the name was made up of two words, or an abbreviation if that is what the subject had written. The computer then checked all such entries, recording, for example, a code 23 (third state in second census area) whenever it encountered a PEN or PA. This procedure needed to be modified for two pairs of states: Alabama and Alaska, and Missouri and Mississippi, because their initial three letters were not unique. The keypunch operator was instructed to punch ALB, ALK, MO, MSP, respectively, for these states; ALA and MIS punches were treated as errors and checked back to the data blanks. Fortunately, few subjects and parents of subjects were born in these states, and most of the birthplace punching was straightforward. Grade and rank, location, and command were treated similarly. Race and marital status were recorded by punching a single letter. Specific duty was punched as recorded; this information was used in analyzing the AFSC data but was not entered on the magnetic tape records.

All major steps in the data processing following the card punching was done on an IBM 7094-7044 direct coupled system operated by the Computing and Information Systems Division, Computer Science Center, Aeronautical Systems Division, at Wright-Patterson AFB. All programs were written in Fortran IV and all computations were done using single precision arithmetic.

The punch cards were read into the computer and transferred to magnetic tape. At this point, the initial digits required by the reduction of some of the data to three punched digits were added in the manner already described. Adjustments were also made for three measurements (crotch height, elbow-rest height, and popliteal height) whose recorded values had been read at the lower edge of the anthropometer arm although the actual measurement was to the upper edge and for overhead reach, the scale for which started 1.5 meters above the floor. It was felt that adjustments of this type can be easily and accurately made by the computer and that it is desirable to keep to an absolute minimum the amount of adjustment that is required of the measurers.

The transferring of the data to the tape records and the initial analyses of the data began as soon as the first few hundred records had been punched. As additional records became available in machine-readable form, the tape record was updated by adding the new records and making any changes in the earlier records which the preliminary analysis suggested.

During most of the period of the data processing a set of three tapes—the current one and its two immediate ancestors—was kept to minimize the problem of reconstructing the current tape had it been destroyed or become impossible to read.

The first steps in the analysis consisted of checking the data for possible errors which

might have occurred at any point in the gathering-recording-transcribing process. Two computer procedures were used for this purpose: the first to isolate values for any variable which were inconsistent with the other data for that variable and the second to isolate values for any variable which were inconsistent with other data for the same individual.

The first of these programs, designated as the XVAL (= extreme value) program performed the following functions:

a. it provided, for each variable, a list of the ten smallest and the ten largest values and the associated subject numbers;

b. it calculated, for each variable, the mean, the standard deviation, β_1 and β_2;

c. it estimated, for each variable, the mean and standard deviation on the basis of all the data except the twenty extreme values.

Values far out of line with respect to other values for the same variable could usually be identified from this program's printouts. The presence of such outliers was often signaled by several items in the program output. The size of the smallest or largest values itself was usually a clear indicator of a major error, as was a substantial difference between the standard deviation and the standard deviation as estimated from the central N-20 values. The measure of kurtosis, β_2, described in the section on statistical measures, very effectively signaled the presence of even one or two values lying well outside the 'normal' range.

For a normal (i.e., gaussian) distribution the theoretical value of β_2 is 3.0, and, as is reported elsewhere in this report, the final values for this statistic were generally pretty close to 3, being somewhat larger for variables with skewed distributions. On the other hand, a single highly extraneous value in a set of data can force the value of β_2 up almost to a value equal to the sample size. Punching errors (this analysis was begun before the second punching and the comparison of the first and second ones had been carried out) in the early stages of the data analysis resulted in values of β_2 as high as 500.

All values signaled by the XVAL program as questionable were investigated and obvious errors corrected. The data were further examined by use of the editing program. This program was designed to evaluate each recorded datum in terms of related data for the same individual. Each woman's stature, for example, was compared by means of multiple regression equations with her cervicale and acromial heights. Similarly, each subject's waist circumference was weighed as reasonable or unreasonable in terms of the combination of her waist breadth and her waist depth.

A total of 132 three-variable combinations was used in the editing analysis. Fifty more-or-less typical combinations are listed in table XXI.

The primary criterion for the selection of the variables which are grouped together was that one or more members of a combination could be estimated with reasonable accuracy from the other members of the combination. Each variable was included in at least one combination, and all but a few were included in at least two.

The computer calculated regression equations for each variable in a combination in terms of the other two. Once the equations (and the associated standard errors) had been computed, the equations were used to estimate the values of the variables in each combination. These estimates were compared with the recorded values. Whenever an estimate and the recorded value differed by more than five times the appropriate standard error of estimate, an error message was printed out. This message contained, in addition to the estimate and recorded value, a considerable amount of other data about the subject in question which were deemed to be of value in evaluating the questioned datum. Thus, for

TABLE XXI

SELECTED EDITING PROGRAM COMBINATIONS

A. Mostly Heights and Lengths

1. Stature, maximum; stature; cervicale height
2. Stature; cervicale height; acromial height
3. Cervicale height; acromial height; suprasternale height
4. Acromial height; suprasternale height; bustpoint height
5. Suprasternale height; bustpoint height; waist height
6. Bustpoint height; waist height; abdominal extension height
7. Waist height; abdominal extension height; trochanteric height
8. Abdominal extension height; trochanteric height; buttock height
9. Trochanteric height; buttock height; gluteal furrow height
10. Buttock height; gluteal furrow height; tibiale height
11. Gluteal furrow height; tibiale height; crotch height
12. Tibiale height; crotch height; ankle height
13. Crotch height; ankle height; lateral malleolus height
14. Waist height; waist height, over foundation garment; abdominal extension height
15. Abdominal extension height; abdominal extension height, over foundation garment; waist height
16. Waist height, over foundation garment; abdominal extension height, over foundation garment; waist height
17. Sitting height, relaxed; sitting height; eye height, sitting
18. Sitting height; eye height, sitting; midshoulder height, sitting
19. Waist height, sitting; waist height; crotch height
20. Acromion-radiale length; elbow rest height; midshoulder height, sitting
21. Buttock-popliteal length; popliteal height; crotch height
22. Acromion-radiale length; radiale-stylion length; thumb-tip reach

B. Mostly Circumferences

23. Shoulder circumference; chest circumference at scye; bust circumference
24. Chest circumference at scye; bust circumference; chest circumference below bust
25. Bust circumference; chest circumference below bust; waist circumference
26. Chest circumference below bust; waist circumference; abdominal extension circumference
27. Waist circumference; abdominal extension circumference; hip circumference—seven inches below waist level
28. Abdominal extension circumference; hip circumference—seven inches below waist level; hip circumference—nine inches below waist level
29. Weight; buttock circumference, sitting; hip circumference—seven inches below waist level
30. Hip circumference—seven inches below waist level; hip circumference—seven inches below waist level, over foundation garment; buttock circumference, sitting, over foundation garment
31. Abdominal extension circumference, over foundation garment; hip circumference—seven inches below waist level, over foundation garment; hip circumference—nine inches below waist level, over foundation garment

TABLE XXI—(Continued)

32. Scye circumference; axillary arm circumference; biceps circumference, relaxed, right
33. Axillary arm circumference; biceps circumference, relaxed, right; biceps circumference, relaxed, left
34. Biceps circumference, flexed, right; biceps circumference, flexed, left; biceps circumference, relaxed, left
35. Forearm circumference, flexed; wrist circumference; hand circumference

C. Mostly Breadths

36. Chest breadth; waist breadth; waist breadth, over foundation garment
37. Waist breadth, over foundation garment; hip breadth; thigh breadth, sitting
38. Humerus breadth, right; humerus breadth, left; femur breadth, right

D. Torso Combinations

39. Chest circumference below bust; chest breadth; chest depth
40. Waist circumference; waist breadth; waist depth
41. Shoulder circumference; biacromial breadth; bideltoid breadth
42. Bustpoint to bustpoint breadth; strap length; chest breadth

E. Head and Face

43. Tragion to top of head; ectocanthus to top of head; pronasale to top of head
44. Ectocanthus to top of head; pronasale to top of head; subnasale to top of head
45. Subnasale to top of head; stomion to top of head; menton to top of head
46. Menton-subnasale length; menton to top of head; subnasale to top of head
47. Tragion to wall; ectocanthus to wall; pronasale to wall
48. Head circumference; head length; head breadth
49. Head breadth; bitragion diameter; biauricular breadth
50. Sagittal curvature; bitragion-coronal curvature; head circumference

---

example, if the apparently out-of-line value was a stature measurement, the message would include all the subject's other height measurements, expressed both in millimeters and in standard score form.

Each questioned value was thoroughly examined. Because this analysis was begun before the second punching of the data, many of the errors were punching mistakes. These errors were, of course, rectified. Often when the value for some variable appeared to be most unlikely, the other data for the subject would indicate a value for this variable which a simple observational or recording error could have turned into the recorded value. Thus, for example, a subject might have values for stature, cervicale height, acromial height, and bustpoint height all approximately equal to the mean values of these measurements, plus a suprasternale height value of 1230mm, a value somewhat below the 5th percentile for suprasternale height. In such a case, it seemed quite reasonable to believe that this woman's suprasternale height had actually been 1320mm—approximately average—and that the second and third digits had been reversed in the recording, and a corresponding change was made in the data. In general, when the data indicated quite clearly both that a value was in error and what—approximately—the correct value almost certainly was, the appropriate change was made.

The large number of measurements made on each woman and the generally high level of intercorrelations among the variables made it possible to estimate almost any one of the variables with high accuracy from a knowledge of the others. It was, therefore, possible to do a fairly thorough editing job on most of the variables, although there were a few variables—nasal breadth, for example—which are less well edited because they do not correlate well with any other variables.

Computation of the summary statistics and frequency tables were carried out on the computer working from the magnetic tape record of the edited data. A stripped-down version of the computer program used for the calculations appears in figure 2.

Four constants were stored in the computer for each variable before the calculations began. These constants are the following:

(a) $A_{i,1}$ — the lower limit of the first interval in the frequency table for the i-th variable;

(b) $A_{i,2}$ — the maximum value attained by the i-th variable;

(c) $A_{i,3}$ — an integer value approximately equal to the average value of the i-th variable, and

(d) WID_i — the width of the intervals for the i-th variable.

The first of these constants was, of necessity, either equal to or slightly less than the minimum value of the i-th variable. The first two constants thus defined a range of values into which every value for the i-th variable should fall. Each datum was tested as it was read into the computer to insure that it did, in fact, lie within the appropriate range.

The third of these constants, $A_{i,3}$, was available for subtracting from each value for the i-th variable. All summations required for the statistical computations were based on the resulting differences. This procedure was introduced so as to markedly reduce the size of the summations and, thus, virtually eliminate the truncation errors which would have occurred had the summations been based directly on the raw data.

The first and last of the stored constants were used in establishing the frequency tables. Several criteria were used in selecting these constants in an effort to secure the most useful frequency tables. Fifty intervals seemed, on both theoretical and practical bases, to be a reasonable upper limit to the length of the tables and was accepted as such. Interval widths were generally chosen as being the smallest value equal to:

1, 2, 5, 10, or 15

times the unit of measurement—millimeters in most cases—which could be used without requiring more than 50 intervals.

Tables with intervals 5 units wide or wider were assigned starting values ($A_{i,1}$) such that all values within 2.5 units of a value ending in 0 or 5 were in the same interval. Thus, for example, the first interval for tibiale height was from 337.5 to 342.5 mm, grouping together all values recorded as 338, 339, 340, 341, or 342 mm. This procedure was used to minimize the effect of any overuse of 0's and 5's as final digits in the recording of the data. Consequently, intervals 5 or 15 units wide began alternately with values ending in 2.5 and 7.5. Intervals with widths of 10 units were always assigned endpoints starting with 2.5 units to provide for maximum comparability among the tables. Intervals with widths of 2 units always begin, for the same reason, with lower limits 0.5 units above the even values; intervals of 15 units begin 7.5 units above an integer multiple of 15.

In observing how these criteria have been applied in this report, note that the units in which the tables are labelled are usually centimeters, rather than millimeters, the units in which most of the data had been measured.

Figure 2.

COMPUTER PROGRAM

```
C***   A PROGRAM TO COMPUTE MEANS,STD DEVIATIONS AND PERCENTILES          MSDP   1
       DIMENSION PEG(25,4),P(25),S(200,5),Q(5),W(5)                       MSDP   2
C***   COMMON PROVIDES ACCESS FOR ALL PROGRAMS TO NAY=VARIABLE NAMES,     MSDP   3
C      A=(MIN, MAX, AND APPROXIMATE MEAN VALUES) WID= INTERVAL WIDTHS,    MSDP   4
C      F, PF, CF, & CPF = FREQ, % FREQ, CUMULATIVE, & % CUMJLATIVE FREQ   MSDP   5
C***   DISTRIBUTIONS, NV = NUMBER OF VARIABLES                            MSDP   6
       COMMON NAY(200,3),A(200,5),WID(200),F(200,50),CF(50),PF(50),       MSDP   7
      +CPF(50),NV                                                         MSDP   8
       COMMON/ININ /NSUB,X(200)                                           MSDP   9
       COMMON /OUTOUT/AVG,SEM,SD,SESD,SPTL(25),V,V1,V2,N,PTL(25)          MSDP  10
C***   PEG AND P ARE THE CONSTANTS USED IN CALCULATING THE PERCENTILES    MSDP  11
       DATA  PEG /                                                        MSDP  12
      1-.3654,-.3227,-.2955,-.2585,-.2014,-.1628,-.1323,-.1059,-.0823,    MSDP  13
      2-.0605,-.0398,-.0198,+.0000,+.0198,+.0398,+.0605,+.0823,+.1059,    MSDP  14
      3+.1323,+.1628,+.2014,+.2585,+.2955,+.3227,+.3654,+.4305,+.2952,    MSDP  15
      4+.2178,+.1233,+.0026,-.0622,-.1035,-.1325,-.1529,-.1672,-.1768,    MSDP  16
      5-.1823,-.1840,-.1823,-.1768,-.1672,-.1529,-.1325,-.1035,-.0622,    MSDP  17
      6+.0026,+.1233,+.2178,+.2952,+.4305,-.4331,-.1397,-.0009,+.1350,    MSDP  18
      7+.2404,+.2529,+.2359,+.2059,+.1694,+.1293,+.0871,+.0440,+.0000,    MSDP  19
      8-.0440,-.0871,-.1293,-.1694,-.2059,-.2359,-.2529,-.2404,-.1350,    MSDP  20
      9+.0009,+.1397,+.4331,+.4275,-.0425,-.2059,-.3019,-.2586,-.1585,    MSDP  21
      A-.0666,+.0107,+.0717,+.1178,+.1499,+.1688,+.1752,+.1688,+.1499,    MSDP  22
      B+.1178,+.0717,+.0107,-.0666,-.1585,-.2586,-.3019,-.2059,-.0425,    MSDP  23
      C+.4275/                                                            MSDP  24
       DATA     P     / 1.,2.,3.,5.,10.,15.,20.,25.,30.,35.,40.,45.,50.,  MSDP  25
      *55.,60.,65.,70.,75.,80.,85.,90.,95.,97.,98.,99./                   MSDP  26
C***   SETUP PROVIDES CSTS UNIQUE TO THE PROBLEM AT HAND, READYS INPUT    MSDP  27
       CALL SETUP                                                         MSDP  28
       DO 11 J=1,NV                                                       MSDP  29
       DO 12 K=1,5                                                        MSDP  30
   12  S(J,K) = 0.0                                                       MSDP  31
       DO 13 K = 1,50                                                     MSDP  32
   13  F(J,K) = 0.0                                                       MSDP  33
   11  CONTINUE                                                           MSDP  34
C***   INPUT PROVIDES WHEN CALLED A DATA RECORD OF A SUBJECT NUMBER,      MSDP  35
C      NSUB, & NV DATA VALUES, X(I). AFTER THE LAST RECORD, INPUT         MSDP  36
C***   RETURNS A PSEUDO DATA RECORD WITH A NEGATIVE SUBJECT NUMBER        MSDP  37
    1  CALL INPUT                                                         MSDP  38
       IF (NSUB.LE.0) GO TO 99                                            MSDP  39
C***   CHECK THAT EACH VALUE IS IN RANGE.                                 MSDP  40
       DO 2 I=1,NV                                                        MSDP  41
       IF ((X(I).GE.A(I,1)).AND.(X(I).LE.A(I,2)))GO TO 2                  MSDP  42
       IF (X(I).EQ.0.0) GO TO 2                                           MSDP  43
C***   WRITE AN ERROR MESSAGE IF X(I) IS OUT OF RANGE AND SET X(I)=0      MSDP  44
       WRITE (6,9) I,NSUB,X(I),A(I,1),A(I,2)                              MSDP  45
    9  FORMAT(I5,20HTH VALUE FOR SUBJECT,I5,24H IS OUT OF RANGE. X(I) =,  MSDP  46
     +F5.1,10H RANGE IS ,F5.1,3H TO,F5.1,18H. X(I) SET TO ZERO)           MSDP  47
       X(I)=0                                                             MSDP  48
    2  CONTINUE                                                           MSDP  49
C***   ACCUMULATE SUMS OF THE FIRST FOUR POWERS OF X                      MSDP  50
       DO 3 I=1,NV                                                        MSDP  51
       IF (X(I).EQ.0.0) GO TO 3                                           MSDP  52
       Y=X(I)-A(I,3)                                                      MSDP  53
       Z= 1.0                                                             MSDP  54
       DO 4 J=1,5                                                         MSDP  55
       S(I,J)=S(I,J)+Z                                                    MSDP  56
    4  Z=Z*Y                                                              MSDP  57
C***   DETERMINE APPROPRIATE INTERVAL IN FREQUENCY TABLE                  MSDP  58
       J=(X(I)-A(I,1))/WID(I)+1.0                                         MSDP  59
```

Figure 2 (Concluded)

```
      IF (J.LT.1.OR.J.GT.50) GO TO 9987                                  MSDP  60
      F(I,J)=F(I,J)+1.0                                                  MSDP  61
    3 CONTINUE                                                           MSDP  62
      GO TO 1                                                            MSDP  63
C***  SUMMATIONS ARE NOW COMPLETE. COMPUTATION OF FINAL RESULTS BEGIN     MSDP  64
   99 CONTINUE                                                           MSDP  65
      DO 100 I=1,NV                                                      MSDP  66
      DO 101 J=2,5                                                       MSDP  67
  101 W(J)=S(I,J)/S(I,1)                                                 MSDP  68
      AVG = W(2) + A(I,3)                                                MSDP  69
      SD = SQRT(W(3)-W(2)**2)                                            MSDP  70
      V1=(W(4)-3.*W(3)*W(2)+2.*W(2)**3)/SD**3                            MSDP  71
      V2= (W(5)-4.*W(4)*W(2)+6.*W(3)*W(2)**2-3.*W(2)**4)/SD**4           MSDP  72
      V=100.*SD/AVG                                                      MSDP  73
      SEM = SD/SQRT(S(I,1))                                              MSDP  74
      SESD=SEM*0.7071                                                    MSDP  75
      N=S(I,1)                                                           MSDP  76
C***  COMPUTE CUMULATIVE FREQUENCIES (CF(I)),PERCENT FREQUENCIES (PF(I))MSDP  77
C           & CUMULATIVE PERCENT FREQUENCIES (CPF(I))                    MSDP  78
      PCT= 100.0/S(I,1)                                                  MSDP  79
      CF(1)=F(I,1)                                                       MSDP  80
      PF(1)=F(I,1)*PCT                                                   MSDP  81
      CPF(1) = F(I,1)*PCT                                                MSDP  82
      DO 102 J=2,50                                                      MSDP  83
      CF(J)=CF(J-1) + F(I,J)                                             MSDP  84
      PF(J) = F(I,J)*PCT                                                 MSDP  85
  102 CPF(J) = CPF(J-1) + PF(J)                                          MSDP  86
C***  NEXT THE RAW PERCENTILES (PTL(J)) ARE COMPUTED                     MSDP  87
      K=1                                                                MSDP  88
      DO 103 J=1,25                                                      MSDP  89
  104 IF (CPF(K).GE.P(J)) GO TO 103                                      MSDP  90
      K=K+1                                                              MSDP  91
      GO TO 104                                                          MSDP  92
  103 PTL(J)=A(I,1)+WID(I)*(FLOAT(K)-(CPF(K)-P(J))/PF(K))                MSDP  93
C*** BEGIN THE SMOOTHING PROCESS BY COMPUTING THE ORTHOGANAL POLYNOMIALSMSDP  94
      DO 105 J=1,5                                                       MSDP  95
  105 Q(J)=0.0                                                           MSDP  96
      DO 106 J=1,25                                                      MSDP  97
      Q(5)=Q(5)+PTL(J)                                                   MSDP  98
      DO 106 L=1,4                                                       MSDP  99
  106 Q(L)=Q(L)+PTL(J)*PEG(J,L)                                          MSDP 100
C***  COMPUTE THE SMOOTHED PERCENTILES SPTL(J)                           MSDP 101
      VG=Q(5)/25.                                                        MSDP 102
      DO 107 J=1,25                                                      MSDP 103
      SPTL(J)=VG                                                         MSDP 104
      DO 107 L=1,4                                                       MSDP 105
  107 SPTL(J)=Q(L)*PEG(J,L)+SPTL(J)                                      MSDP 106
C***  PASS ALL THE RESULTS ON TO AN OUTPUT SUBROUTINE FOR PRINTING OUT   MSDP 107
      CALL OUTPUT (I)                                                    MSDP 108
  100 CONTINUE                                                           MSDP 109
      WRITE (6,42)                                                       MSDP 110
   42 FORMAT(1H1/////20(1H.),10HTHAT'S ALL)                              MSDP 111
      STOP                                                               MSDP 112
 9987 WRITE (6,9986) NSUB, I, X(I), J                                    MSDP 113
 9986 FORMAT (30H SOMETHING IS FOULED UP. NSUB=,I5,3H I=,I3,7H X(I) =,   MSDP 114
     +F5.1,9H A(I,1) =,F5.1,9H A(I,2) =,F5.1,15H INTERVAL NO. ,I4)       MSDP 115
      STOP                                                               MSDP 116
      END                                                                MSDP 117
```

As each data record was read into the computer:

(a) each value was checked to guarantee it was in range. Had any non-zero value been out of range, all data for that subject would have been rejected. On the final run, no values —as should have been expected—were out of range.

(b) each non-zero value, X_i, was converted to its difference value:

$$Y = X_i - A_{i,3}.$$

(c) the first four powers of Y were accumulated:

$$S_{i,1} = S_{i,1} + Y$$
$$S_{i,2} = S_{i,2} + Y^2$$
$$S_{i,3} = S_{i,3} + Y^3$$
$$S_{i,4} = S_{i,4} + Y^4$$

(d) the count of the number of non-zero values for the i-th variable was accumulated:

$$N_i = N_i + 1$$

(e) the interval of the frequency table for the i-th variable to which X_i belongs was determined:

j = the largest integer equal to or less than $[(X_i - A_{i,1})/WID_i + 1.0]$

and unity was then added to the previous count for this interval:

$$F_{i,j} = F_{i,j} + 1$$

When all the data had been processed, the summary statistics were computed using these formulas:

(a) $W = S_{i,1}/N_i$
$Z = S_{i,2}/N_i$
$U = S_{i,3}/N_i$
$Q = S_{i,4}/N_i$

followed by:

(b) M = arithmetic mean = $W + A_{i,3}$

SD = standard deviation = $\sqrt{Z-W^2}$

β_1 = symmetry = $(U - 3ZW + 2W^3)/(SD)^3$

β_2 = kurtosis = $(Q - 4UW + 6ZW^2 - 3W^4)/(SD)^4$

V = coefficient of variation = $100 \cdot SD/M$

$SE(M)$ = standard error of the mean = $SD/\sqrt{N}$

$SE(SD)$ = standard error of the standard deviation = $0.7071\ SE(m)$

The computation of the percentiles followed a procedure developed by the Anthropology Research Project and used with most military anthropometric surveys of the past decade. The present calculations were done on a more advanced computing device than that used in earlier studies and made no use of intermediate cards.

The first step in these computations consisted of calculating rough values for each percentile by direct interpolation in the frequency table. To compute the K-th percentile, the first interval for which the cumulative frequency exceeded K% was located. If L represents the lower limit of this interval; WID, the interval width; P(L), the cumulative percentage up to, but not including this interval; then the K-th rough percentile was computed as:

$$L + WID \left(\frac{K - P(L)}{P(U) - P(L)}\right)$$

To illustrate this formula, we may calculate the rough 1st percentile for weight, using the data shown on page 61. We observe that the fifth interval (94.5-97.5 pounds) is the first interval for which the cumulative frequency count exceeds 1%. Hence:

L = the lower limit of this interval = 94.5

WID = the width of the interval = 3.0

P(L) = the cumulative percentage for the first 4 intervals = 0.31

P(U) = the cumulative percentage for the first 5 intervals = 1.42, and

the K-th percentile $= 94.50 + 3 \left(\frac{1.00 - 0.31}{1.42 - 0.31}\right)$

$= 94.50 + 3 \cdot 0.621 = 94.50 + 1.86 = 96.36$ pounds

This computation was done for each of the 25 percentiles listed for each measured variable.

The second step was to consider the resulting twenty-five values as ordinates of points, the abscissas of which were the corresponding normal distribution values. Thus Y_1 was the 1st percentile and X_1 was -2.327, Y_2 was the 2nd percentile and X_2 was -1.645, . . . , Y_{13} was the 50th percentile and X_{13} was 0.0, and so forth. A least-squares fourth degree polynomial was then fitted to these points, and the smoothed percentiles were computed by substitution back into the polynomial. The actual computation of the polynomial was carried out using orthogonal polynomials; this use presumably had no effect on the results but did make possible simpler and more rapid computations.

The statistics (except for β_1, β_2, and V which are dimensionless) were, in most instances, then multiplied by 0.1 to change from millimeters to centimeters.

Centimeter values were then multiplied by 0.3937 to provide inch values. Pounds were converted to kilograms using 0.453592 as the multiplier, and kilograms to pounds by multiplying by 2.20462.

To provide a maximum of flexibility in listing the statistics and frequency tables for photographic reproduction for this report, the means, standard deviations, β_1, β_2, V, the percentiles, and the frequencies were written on punched cards. The punched cards were subsequently read into the computer which computed the standard errors, the cumulative frequencies, the two sets of frequency percentages, and prepared the listings as they appear in this report. The cards which contained the means, standard deviations, and the frequencies were also used to prepare the frequency graphs which were drawn on a Cal-Comp plotter.

SECTION VI

THE VISUAL INDEX

To make this report as easy to use as possible, a Visual Index (figure 3) of the measured dimensions appears on the following pages. This index consists of a series of line drawings illustrating the measured dimensions. A reader need not know the exact name used here for any dimension but has only to look through this index and locate those dimensions in which he is interested. Each dimension is numbered in the drawing; this number accompanies all statistical results for that dimension throughout this report. The variable name for each variable appears below the drawing in which it is illustrated.

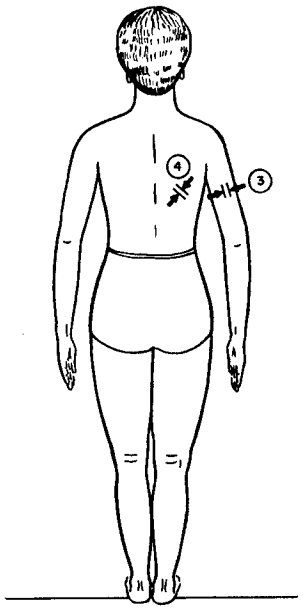
The data summaries in section VII follow the sequence of these index numbers as do a variety of statistical listings in later sections of this report.

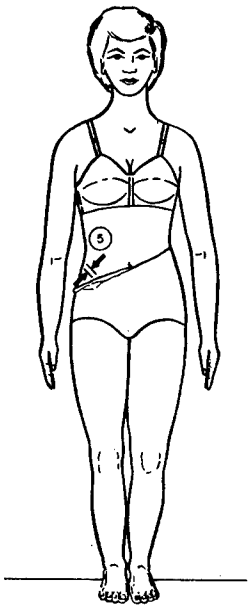
As far as was practical, related dimensions are illustrated on the same line drawing. It was necessary in several instances, however, to sketch related dimensions on different drawings, and the reader concerned with determining all dimensions of a particular category should check more than a single drawing.

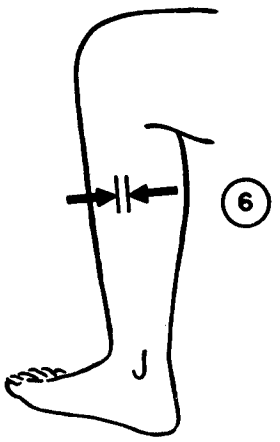
The Measurement Index at the end of this report also facilitates the location of particular dimensions by cross-indexing the dimensions by alternate names (lower arm as well as forearm, for example) and by body segment. The numbers of the Visual Index are also included in the Measurement Index.

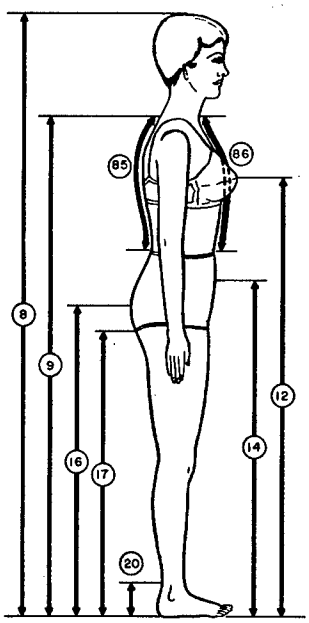
Figure 3

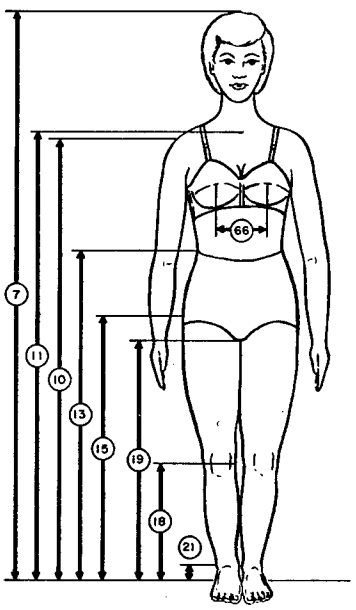
VISUAL INDEX





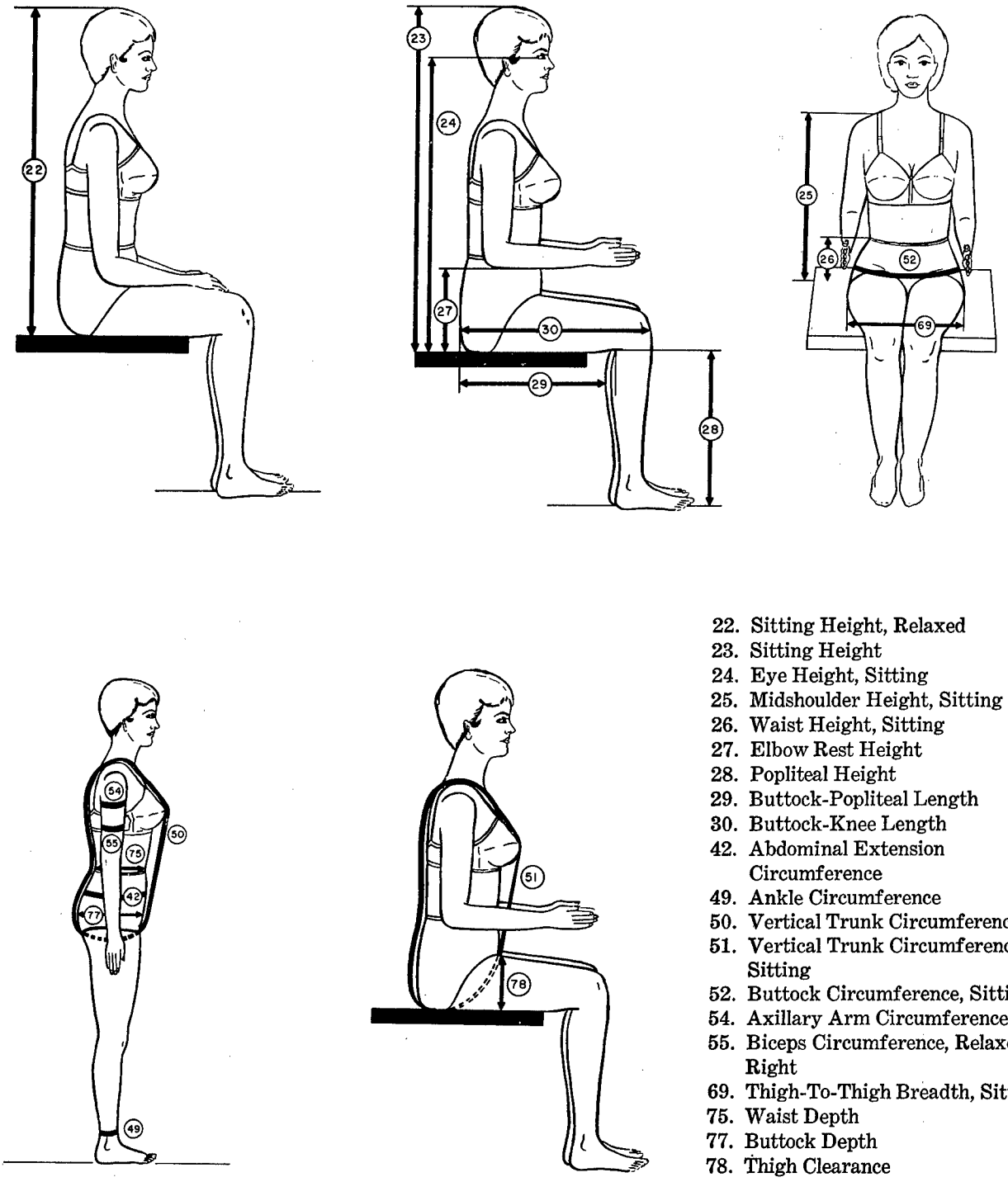






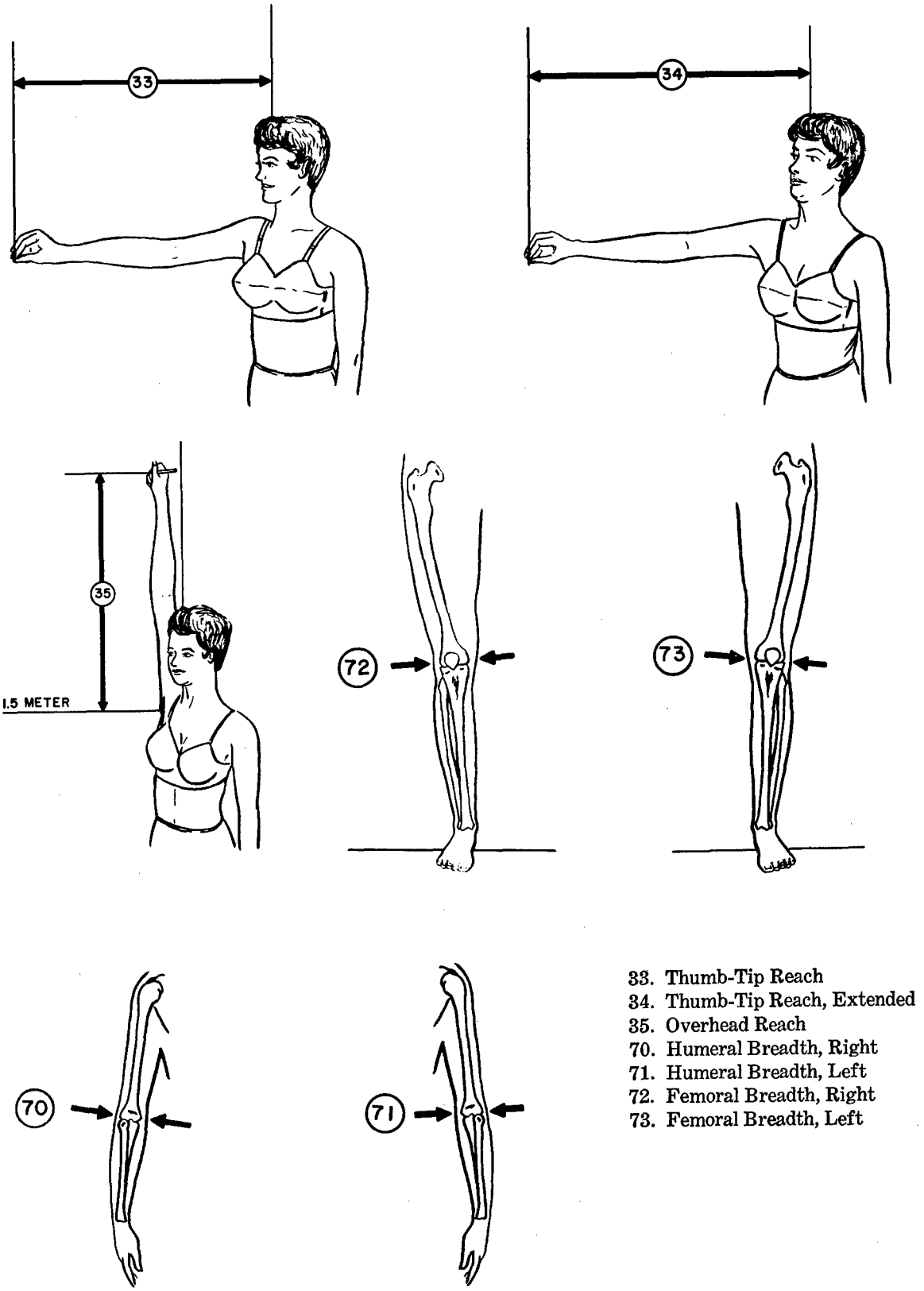
1. Age
2. Weight
3. Triceps Skinfold
4. Subscapular Skinfold
5. Suprailiac Skinfold
6. Medial Calf Skinfold
7. Stature
8. Stature, Maximum
9. Cervicale Height
10. Acromial Height
11. Suprasternale Height
12. Bustpoint Height
13. Waist Height
14. Abdominal Extension Height
15. Trochanteric Height
16. Buttock Height
17. Gluteal Furrow Height
18. Tibiale Height
19. Crotch Height
20. Ankle Height
21. Lateral Malleolus Height
66. Bustpoint-To-Bustpoint Breadth
85. Waist Back
86. Anterior Waist Length

Figure 3 (Continued)



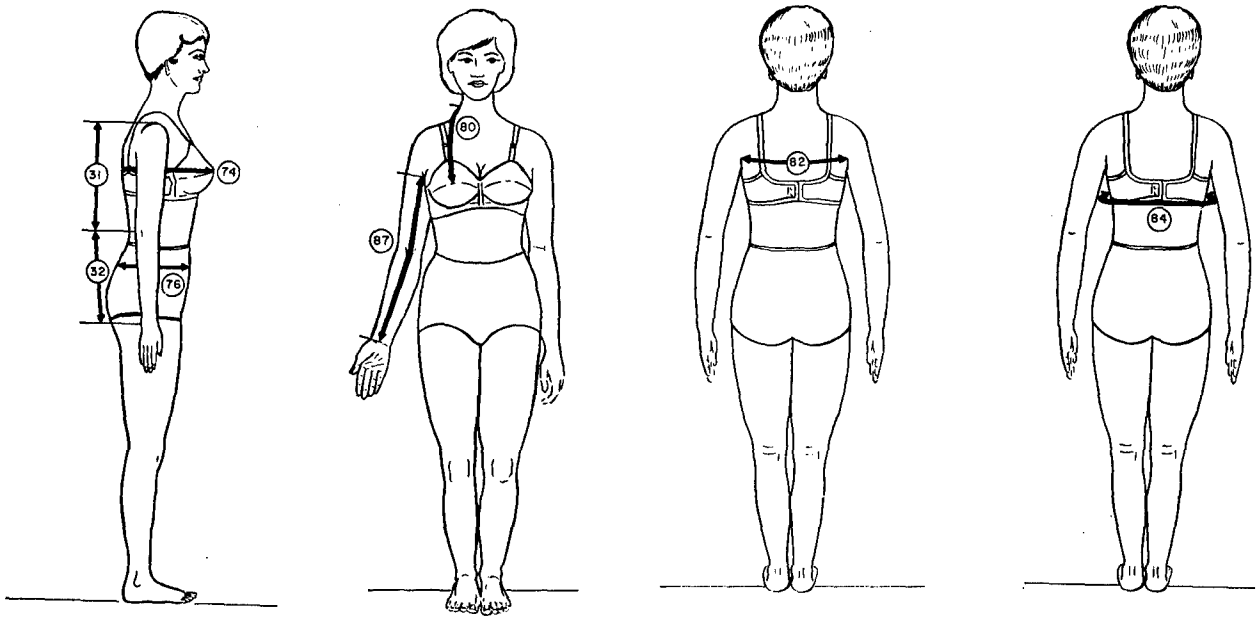
22. Sitting Height, Relaxed
23. Sitting Height
24. Eye Height, Sitting
25. Midshoulder Height, Sitting
26. Waist Height, Sitting
27. Elbow Rest Height
28. Popliteal Height
29. Buttock-Popliteal Length
30. Buttock-Knee Length
42. Abdominal Extension Circumference
49. Ankle Circumference
50. Vertical Trunk Circumference
51. Vertical Trunk Circumference, Sitting
52. Buttock Circumference, Sitting
54. Axillary Arm Circumference
55. Biceps Circumference, Relaxed, Right
69. Thigh-To-Thigh Breadth, Sitting
75. Waist Depth
77. Buttock Depth
78. Thigh Clearance

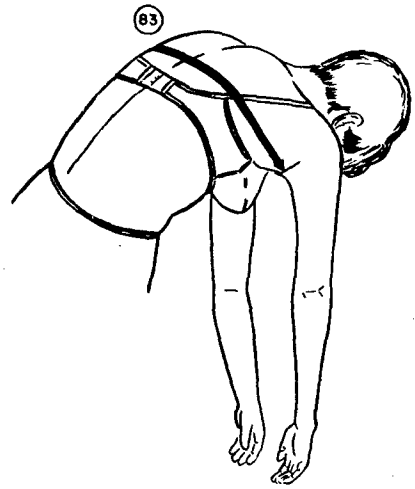
Figure 3 (Continued)



33. Thumb-Tip Reach
34. Thumb-Tip Reach, Extended
35. Overhead Reach
70. Humeral Breadth, Right
71. Humeral Breadth, Left
72. Femoral Breadth, Right
73. Femoral Breadth, Left

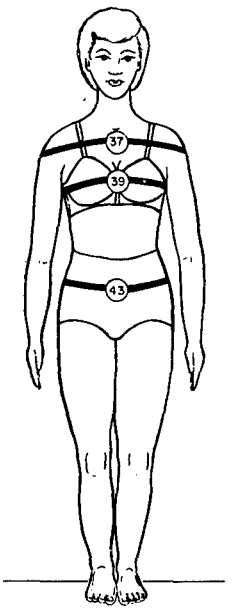
Figure 3 (Continued)

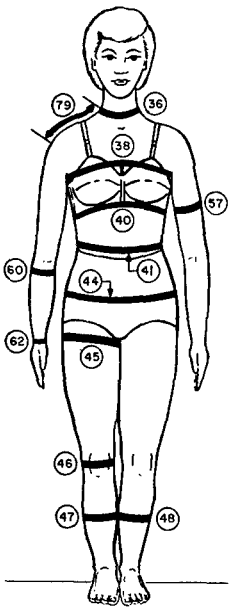


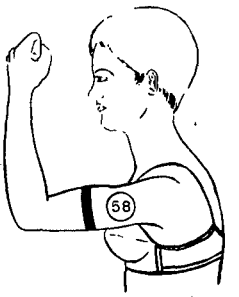


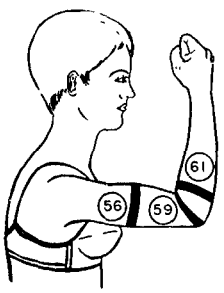
31. Acromion-Radiale Length
32. Radiale-Stylion Length
74. Chest Depth
76. Abdominal Extension Depth
80. Neck-To-Bustpoint Length
82. Interscye Curvature
83. Interscye Curvature, Maximum
84. Back Curvature
87. Sleeve Inseam

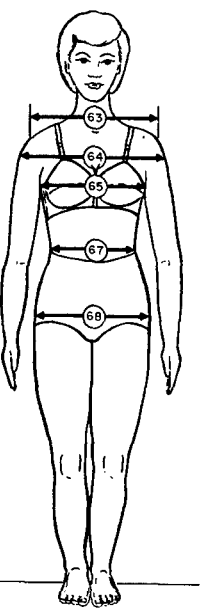
Figure 3 (Continued)

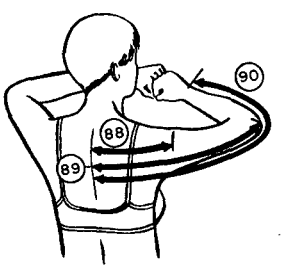






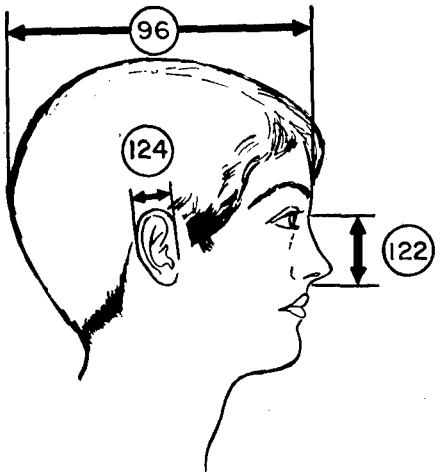


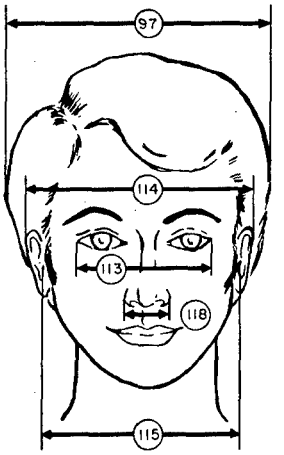


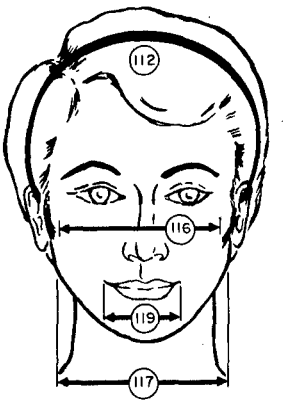


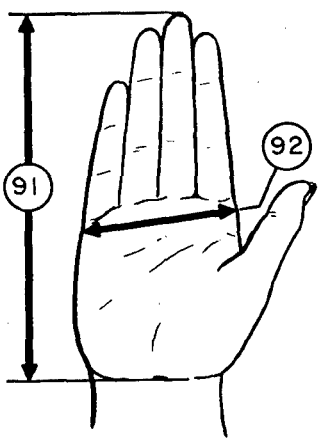
36. Neck Circumference
37. Shoulder Circumference
38. Chest Circumference at Scye
39. Bust Circumference
40. Chest Circumference Below Bust
41. Waist Circumference
43. Hip Circumference—Seven Inches Below Waist Level
44. Hip Circumference—Nine Inches Below Waist Level
45. Upper Thigh Circumference
46. Knee Circumference
47. Calf Circumference, Right
48. Calf Circumference, Left
56. Biceps Circumference, Flexed, Right
57. Biceps Circumference, Relaxed, Left
58. Biceps Circumference, Flexed, Left
59. Elbow Circumference, Flexed
60. Forearm Circumference, Relaxed
61. Forearm Circumference, Flexed
62. Wrist Circumference
63. Biacromial Breadth
64. Bideltoid Breadth
65. Chest Breadth
67. Waist Breadth
68. Hip Breadth
79. Shoulder Length
88. Spine-To-Scye Length (Sleeve Length Segment)
89. Spine-To-Elbow Length (Sleeve Length Segment)
90. Spine-To-Wrist Length (Sleeve Length)

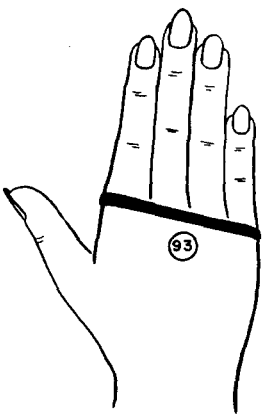
Figure 3 (Continued)

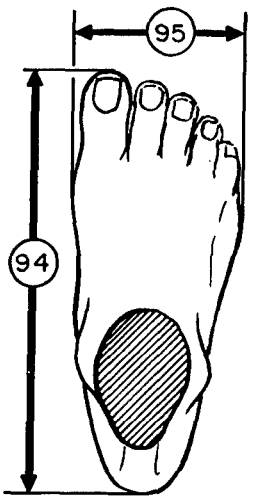






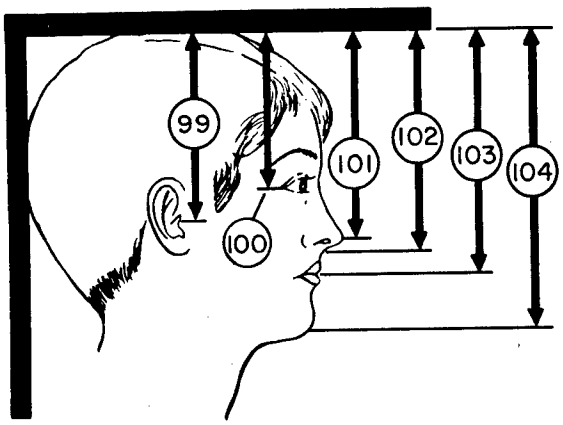


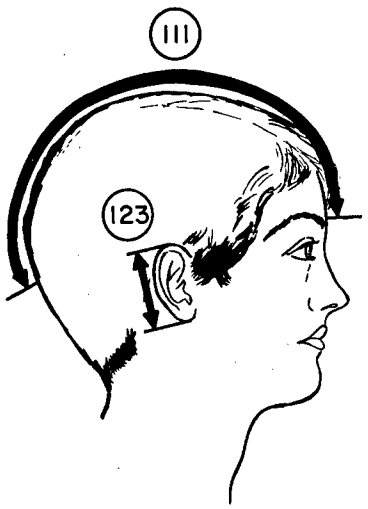


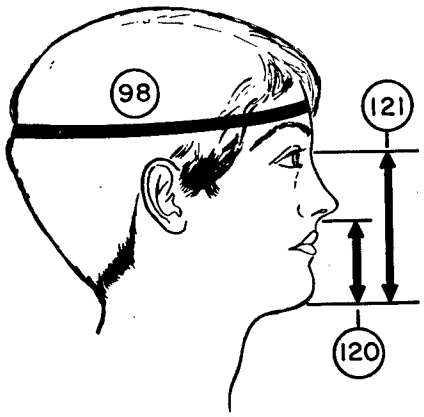


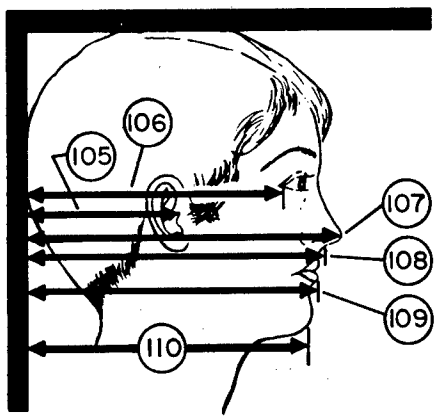
91. Hand Length
92. Hand Breadth
93. Hand Circumference
94. Foot Length
95. Foot Breadth
96. Head Length
97. Head Breadth
112. Bitragion-Coronal Curvature
113. Biocular Breadth
114. Biauricular Breadth
115. Bitragion Breadth
116. Bizygomatic Breadth
117. Bigonial Breadth
118. Nasal Breadth
119. Lip Length
122. Subnasale-Sellion Length
124. Ear Breadth

Figure 3 (Continued)



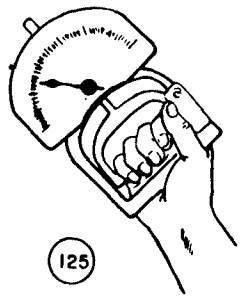


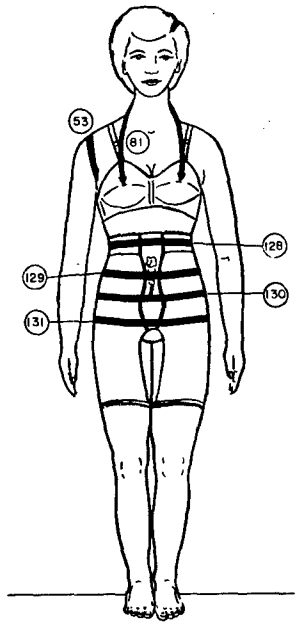


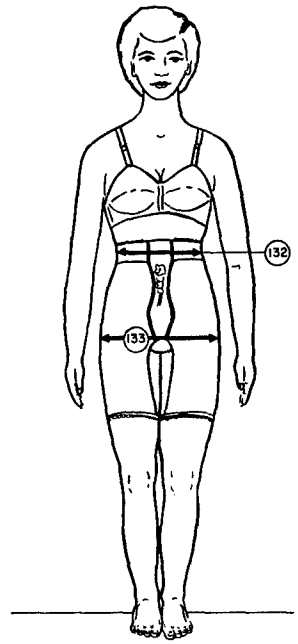


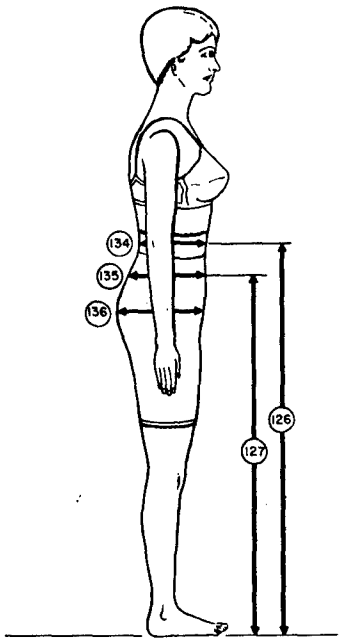
98. Head Circumference
99. Tragion To Top of Head
100. Ectocanthus To Top of Head
101. Pronasale To Top of Head
102. Subnasale To Top of Head
103. Stomion To Top of Head
104. Menton To Top of Head
105. Tragion To Wall
106. Ectocanthus To Wall
107. Pronasale To Wall
108. Subnasale To Wall
109. Lip Protrusion To Wall
110. Menton To Wall
111. Sagittal Curvature
120. Menton-Subnasale Length
121. Menton-Sellion Length
123. Ear Length

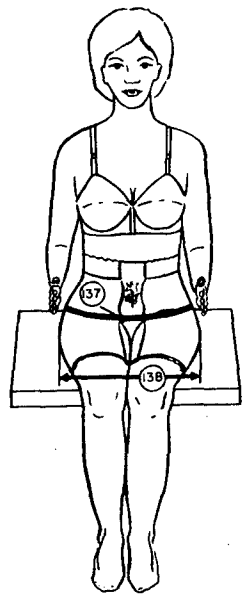
Figure 3 (Concluded)











53. Scye Circumference
81. Strap Length
125. Grip Strength
126. Waist Height, Over Foundation Garment
127. Abdominal Extension Height, Over Foundation Garment
128. Waist Circumference, Over Foundation Garment
129. Abdominal Extension Circumference, Over Foundation Garment
130. Hip Circumference—Seven Inches Below Waist Level, Over Foundation Garment
131. Hip Circumference—Nine Inches Below Waist Level, Over Foundation Garment
132. Waist Breadth, Over Foundation Garment
133. Hip Breadth, Over Foundation Garment
134. Waist Depth, Over Foundation Garment
135. Abdominal Extension Depth, Over Foundation Garment
136. Buttock Depth, Over Foundation Garment
137. Buttock Circumference, Sitting, Over Foundation Garment
138. Thigh-to-Thigh Breadth, Sitting, Over Foundation Garment

SECTION VII

MEASURING TECHNIQUES AND DATA SUMMARIES

Summary statistics and frequency distributions along with descriptions and illustrations of the measuring techniques are presented in the following pages for age, grip strength, and all the anthropometric measures except those made over the foundation garments. Data for these omitted variables appear in section VIII.

For the first two variables, age and weight, only single page listing of the summary statistics and frequency tables are given. Age values are based on the ages as reported by the subjects to which one-half year was added. Weights were measured on a medical type scale to the nearest pound with the subject wearing panties and bra.

All other variables are reported on two-page layouts. The right side (odd-numbered) page has the same format as that used for age. The right half of the page contains the summary statistics; all of these statistics have been defined in section IV. The left half of the page contains the frequency table. The basis for our choice of the frequency intervals is discussed on page 45; the tables presented are exactly those used in the computation of the percentiles. The headings across the top of the frequency table: F, CUMF, FPCT, and CUMPCT, stand for frequency, cumulative frequency, frequency as a percent of the total frequency, and cumulative frequency as a percent of the total frequency. The ranges of the frequency table and the left-most set of summary statistics are in the units or decimal multiples of the units in which the measurements were made.

The left side page contains the dimension description and a photograph and line drawing illustrating the measurement technique. The verbal descriptions of the dimensions state the actual measuring techniques used. The occasional variations from these reflected in the photographs or drawings were made to illustrate better the measuring technique or to reduce the number of unique drawings needed. For example, back curvature, variable 84, was measured, as verbally described, with the subject's hands on her hips, but is illustrated with the arms held differently.

The frequency graph at the bottom of the page is based on the same values as the frequency table on the opposite page. The values at the bottom of the graphs are midpoints of the intervals. A small triangle just above the base line locates the mean value for the variable. The hatched section to the left corresponds to values from two standard deviations below the mean to one standard deviation below; the hatched section to the right corresponds to values from one to two standard deviations above the mean. For an ideal distribution, about 2½% of the data will lie to the left of the first hatched area, 13½% of the data in the hatched area, 68% between the two hatched areas (half of this to the left of the triangle, half to the right), 13½% in the second hatched area, and 2½% beyond it. The hatching at the left has been omitted from the graphs for two of the skinfold measurements because the value two standard deviations below the mean is below zero.

AGE DISTRIBUTIONS

RANGES	F	CUMF	FPCT	CUMPCT
56.00- 57.00	1	1905	0.05	100.00
55.00- 56.00	0	1904	0.00	99.95
54.00- 55.00	1	1904	0.05	99.95
53.00- 54.00	2	1903	0.10	99.90
52.00- 53.00	0	1901	0.00	99.79
51.00- 52.00	3	1901	0.16	99.79
50.00- 51.00	2	1898	0.10	99.63
49.00- 50.00	2	1896	0.10	99.53
48.00- 49.00	1	1894	0.05	99.42
47.00- 48.00	5	1893	0.26	99.37
46.00- 47.00	4	1888	0.21	99.11
45.00- 46.00	6	1884	0.31	98.90
44.00- 45.00	7	1878	0.37	98.58
43.00- 44.00	17	1871	0.89	98.22
42.00- 43.00	11	1854	0.58	97.32
41.00- 42.00	6	1843	0.31	96.75
40.00- 41.00	15	1837	0.79	96.43
39.00- 40.00	10	1822	0.52	95.64
38.00- 39.00	19	1812	1.00	95.12
37.00- 38.00	12	1793	0.63	94.12
36.00- 37.00	16	1781	0.84	93.49
35.00- 36.00	15	1765	0.79	92.65
34.00- 35.00	20	1750	1.05	91.86
33.00- 34.00	16	1730	0.84	90.81
32.00- 33.00	28	1714	1.47	89.97
31.00- 32.00	11	1686	0.58	88.50
30.00- 31.00	12	1675	0.63	87.93
29.00- 30.00	20	1663	1.05	87.30
28.00- 29.00	24	1643	1.26	86.25
27.00- 28.00	36	1619	1.89	84.99
26.00- 27.00	46	1583	2.41	83.10
25.00- 26.00	69	1537	3.62	80.68
24.00- 25.00	75	1468	3.94	77.06
23.00- 24.00	108	1393	5.67	73.12
22.00- 23.00	133	1285	6.98	67.45
21.00- 22.00	191	1152	10.03	60.47
20.00- 21.00	260	961	13.65	50.45
19.00- 20.00	380	701	19.95	36.80
18.00- 19.00	321	321	16.85	16.85

ALL VALUES ARE IN YEARS

THE ARITHMETIC MEAN	23.43
STD ERROR (MEAN)	0.15
THE STANDARD DEVIATION	6.45
STD ERROR (STD DEV)	0.10

****

SYMMETRY---VETA I =	2.09
KURTOSIS---VETA II =	7.22
COEF. OF VARIATION =	27.5%

****

NUMBER OF SUBJECTS = 1905

****

THE PERCENTILES

99TH	46.49
98TH	43.76
97TH	42.44
95TH	38.88
90TH	33.03
85TH	28.01
80TH	25.81
75TH	24.48
70TH	23.45
65TH	22.65
60TH	21.95
55TH	21.45
50TH	20.97
45TH	20.60
40TH	20.23
35TH	19.91
30TH	19.66
25TH	19.41
20TH	19.16
15TH	18.89
10TH	18.59
5TH	18.30
3RD	18.18
2ND	18.12
1ST	18.06

WEIGHT DISTRIBUTIONS

RANGES*	F	CUMF	FPCT	CUMPCT
199.50-202.50	1	1905	0.05	100.00
196.50-199.50	1	1904	0.05	99.95
193.50-196.50	2	1903	0.10	99.90
190.50-193.50	0	1901	0.00	99.79
187.50-190.50	2	1901	0.10	99.79
184.50-187.50	3	1899	0.16	99.69
181.50-184.50	5	1896	0.26	99.53
178.50-181.50	1	1891	0.05	99.27
175.50-178.50	4	1890	0.21	99.21
172.50-175.50	4	1886	0.21	99.00
169.50-172.50	8	1882	0.42	98.79
166.50-169.50	8	1874	0.42	98.37
163.50-166.50	13	1866	0.68	97.95
160.50-163.50	9	1853	0.47	97.27
157.50-160.50	23	1844	1.21	96.80
154.50-157.50	24	1821	1.26	95.59
151.50-154.50	36	1797	1.89	94.33
148.50-151.50	50	1761	2.62	92.44
145.50-148.50	56	1711	2.94	89.82
142.50-145.50	77	1655	4.04	86.88
139.50-142.50	77	1578	4.04	82.83
136.50-139.50	99	1501	5.20	78.79
133.50-136.50	118	1402	6.19	73.60
130.50-133.50	102	1284	5.35	67.40
127.50-130.50	158	1182	8.29	62.05
124.50-127.50	147	1024	7.72	53.75
121.50-124.50	145	877	7.61	46.04
118.50-121.50	129	732	6.77	38.43
115.50-118.50	128	603	6.72	31.65
112.50-115.50	122	475	6.40	24.93
109.50-112.50	102	353	5.35	18.53
106.50-109.50	70	251	3.67	13.18
103.50-106.50	71	181	3.73	9.50
100.50-103.50	39	110	2.05	5.77
97.50-100.50	44	71	2.31	3.73
94.50- 97.50	21	27	1.10	1.42
91.50- 94.50	3	6	0.16	0.31
88.50- 91.50	2	3	0.10	0.16
85.50- 88.50	0	1	0.00	0.05
82.50- 85.50	1	1	0.05	0.05

*IN POUNDS

POUNDS		KILOGRAMS
127.28	MEAN VALUE	57.73
0.38	SE(MEAN)	0.17
16.59	SD DEVIATION	7.52
0.27	SE(SD DEV)	0.12

****

SYMMETRY---VETA I = 0.64
KURTOSIS---VETA II = 3.86
COEF. OF VARIATION = 13.0%

****

NUMBER OF SUBJECTS = 1905

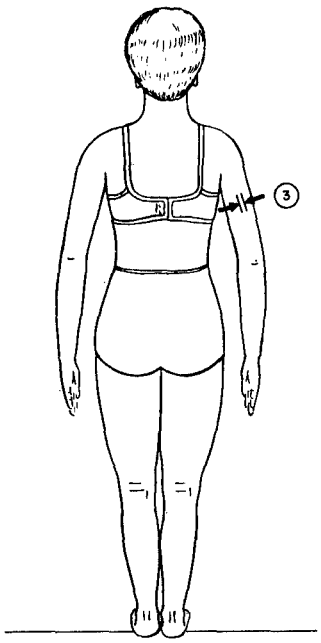
****

THE PERCENTILES

POUNDS		KILOGRAMS
175.20	99TH	79.47
166.90	98TH	75.70
162.19	97TH	73.57
156.38	95TH	70.93
148.49	90TH	67.35
143.70	85TH	65.18
140.15	80TH	63.57
137.19	75TH	62.23
134.63	70TH	61.07
132.32	65TH	60.02
130.15	60TH	59.04
128.09	55TH	58.10
126.08	50TH	57.19
124.08	45TH	56.28
122.08	40TH	55.37
120.03	35TH	54.44
117.89	30TH	53.48
115.61	25TH	52.44
113.10	20TH	51.30
110.27	15TH	50.02
106.86	10TH	48.47
102.29	5TH	46.40
99.77	3RD	45.25
98.20	2ND	44.54
96.36	1ST	43.71

(3) TRICEPS SKINFOLD

Subject stands with right elbow flexed 90 degrees. Locate the level on the back of the upper arm halfway between acromion and the tip of the elbow and then have the subject relax her arm at her side. At the level previously located, pick up a skinfold parallel to the long axis of the upper arm. Using a Harpenden skinfold caliper, measure the thickness of the fold.



RANGES*		F	CUMF	FPCT	CUMPCT
4.63-	4.73	1	1905	0.05	100.00
4.53-	4.63	1	1904	0.05	99.95
4.43-	4.53	0	1903	0.00	99.90
4.33-	4.43	1	1903	0.05	99.90
4.23-	4.33	0	1902	0.00	99.84
4.13-	4.23	0	1902	0.00	99.84
4.03-	4.13	1	1902	0.05	99.84
3.93-	4.03	0	1901	0.00	99.79
3.83-	3.93	1	1901	0.05	99.79
3.73-	3.83	0	1900	0.00	99.74
3.63-	3.73	2	1900	0.10	99.74
3.53-	3.63	5	1898	0.26	99.63
3.43-	3.53	3	1893	0.16	99.37
3.33-	3.43	5	1890	0.26	99.21
3.23-	3.33	10	1885	0.52	98.95
3.13-	3.23	14	1875	0.73	98.43
3.03-	3.13	6	1861	0.31	97.69
2.93-	3.03	22	1855	1.15	97.38
2.83-	2.93	15	1833	0.79	96.22
2.73-	2.83	35	1818	1.84	95.43
2.63-	2.73	49	1783	2.57	93.60
2.53-	2.63	63	1734	3.31	91.02
2.43-	2.53	57	1671	2.99	87.72
2.33-	2.43	96	1614	5.04	84.72
2.23-	2.33	94	1518	4.93	79.69
2.13-	2.23	126	1424	6.61	74.75
2.03-	2.13	125	1298	6.56	68.14
1.93-	2.03	167	1173	8.77	61.57
1.83-	1.93	126	1006	6.61	52.81
1.73-	1.83	133	880	6.98	46.19
1.63-	1.73	114	747	5.98	39.21
1.53-	1.63	138	633	7.24	33.23
1.43-	1.53	102	495	5.35	25.98
1.33-	1.43	112	393	5.88	20.63
1.23-	1.33	84	281	4.41	14.75
1.13-	1.23	79	197	4.15	10.34
1.03-	1.13	42	118	2.20	6.19
0.93-	1.03	35	76	1.84	3.99
0.83-	0.93	21	41	1.10	2.15
0.73-	0.83	12	20	0.63	1.05
0.63-	0.73	7	8	0.37	0.42
0.53-	0.63	1	1	0.05	0.05

*IN CENTIMETERS

CENTIMETERS		INCHES
1.90	MEAN VALUE	0.75
0.01	SE(MEAN)	0.00
0.54	SD DEVIATION	0.21
0.01	SE(SD DEV)	0.00

****

SYMMETRY---VETA I = 0.51
KURTOSIS---VETA II = 3.82
COEF. OF VARIATION = 28.6%

****

NUMBER OF SUBJECTS = 1905

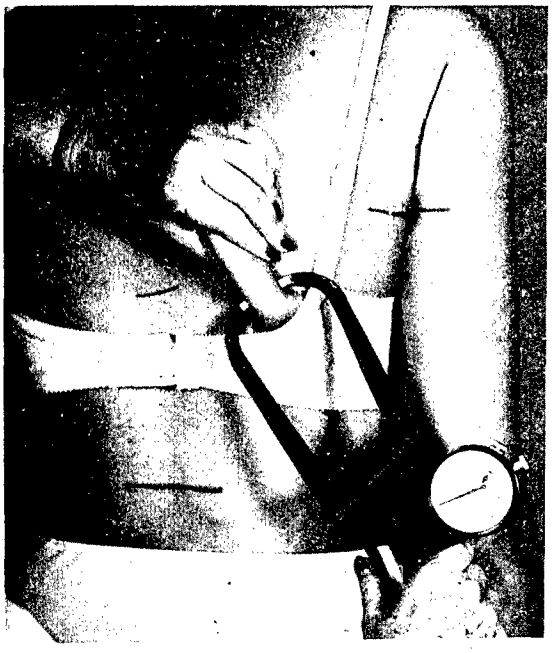
****

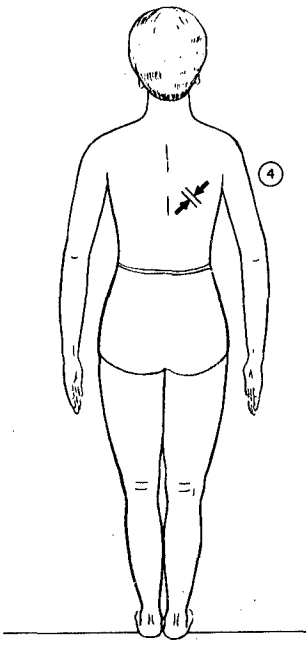
THE PERCENTILES

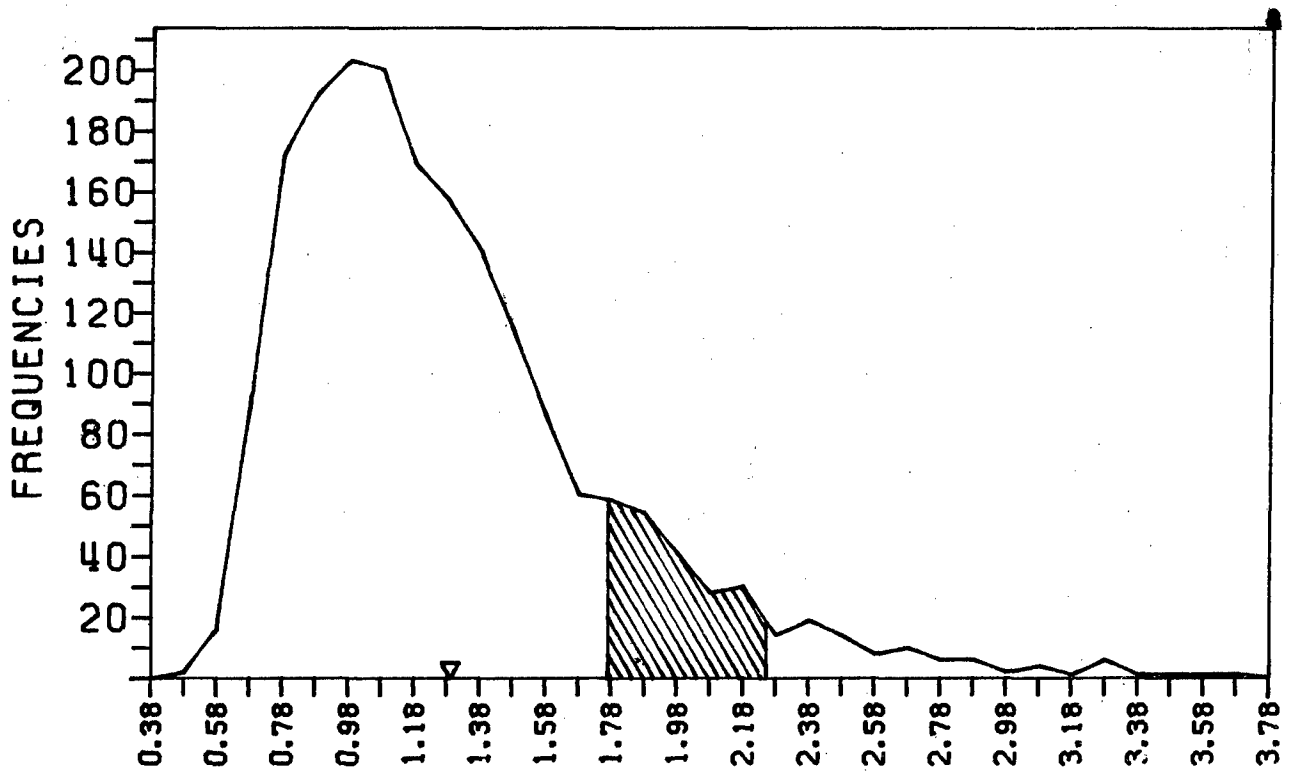
CENTIMETERS		INCHES
3.36	99TH	1.32
3.13	98TH	1.23
3.00	97TH	1.18
2.83	95TH	1.11
2.59	90TH	1.02
2.44	85TH	0.96
2.33	80TH	0.92
2.23	75TH	0.88
2.15	70TH	0.85
2.07	65TH	0.82
2.00	60TH	0.79
1.93	55TH	0.76
1.87	50TH	0.74
1.80	45TH	0.71
1.73	40TH	0.68
1.66	35TH	0.66
1.59	30TH	0.63
1.51	25TH	0.60
1.43	20TH	0.56
1.33	15TH	0.53
1.22	10TH	0.48
1.06	5TH	0.42
0.97	3RD	0.38
0.91	2ND	0.36
0.83	1ST	0.33

(4) SUBSCAPULAR SKINFOLD

Subject stands relaxed. Pick up a skinfold just below the inferior angle of the right scapula and parallel to the tension lines of the skin. Using a Harpenden skinfold caliper, measure the thickness of the fold.







RANGES*		F	CUMF	FPCT	CUMPCT
3.63-	3.73	1	1905	0.05	100.00
3.53-	3.63	1	1904	0.05	99.95
3.43-	3.53	1	1903	0.05	99.90
3.33-	3.43	1	1902	0.05	99.84
3.23-	3.33	6	1901	0.31	99.79
3.13-	3.23	1	1895	0.05	99.48
3.03-	3.13	4	1894	0.21	99.42
2.93-	3.03	2	1890	0.10	99.21
2.83-	2.93	6	1888	0.31	99.11
2.73-	2.83	6	1882	0.31	98.79
2.63-	2.73	10	1876	0.52	98.48
2.53-	2.63	8	1866	0.42	97.95
2.43-	2.53	14	1858	0.73	97.53
2.33-	2.43	19	1844	1.00	96.80
2.23-	2.33	14	1825	0.73	95.80
2.13-	2.23	30	1811	1.57	95.07
2.03-	2.13	28	1781	1.47	93.49
1.93-	2.03	41	1753	2.15	92.02
1.83-	1.93	54	1712	2.83	89.87
1.73-	1.83	58	1658	3.04	87.03
1.63-	1.73	60	1600	3.15	83.99
1.53-	1.63	86	1540	4.51	80.84
1.43-	1.53	114	1454	5.98	76.33
1.33-	1.43	140	1340	7.35	70.34
1.23-	1.33	157	1200	8.24	62.99
1.13-	1.23	169	1043	8.87	54.75
1.03-	1.13	200	874	10.50	45.88
0.93-	1.03	203	674	10.66	35.38
0.83-	0.93	192	471	10.08	24.72
0.73-	0.83	172	279	9.03	14.65
0.63-	0.73	89	107	4.67	5.62
0.53-	0.63	16	18	0.84	0.94
0.43-	0.53	2	2	0.10	0.10

*IN CENTIMETERS

CENTIMETERS		INCHES
1.29	MEAN VALUE	0.51
0.01	SE(MEAN)	0.00
0.48	SD DEVIATION	0.19
0.01	SE(SD DEV)	0.00

****

SYMMETRY---VETA I = 1.35
KURTOSIS---VETA II = 5.30
COEF. OF VARIATION = 37.7%

****

NUMBER OF SUBJECTS = 1905

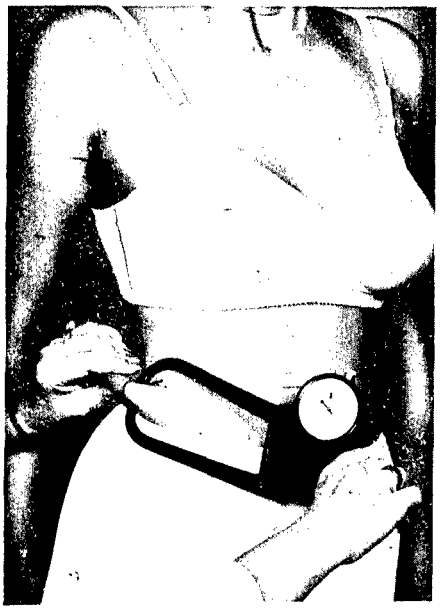
****

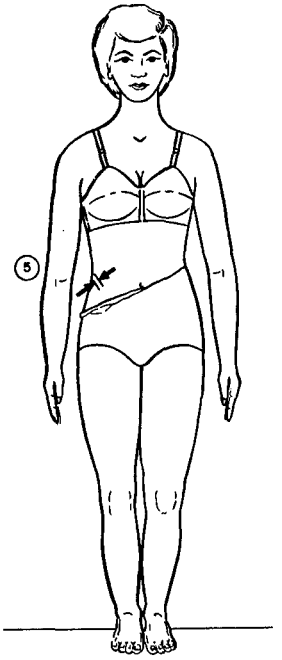
THE PERCENTILES

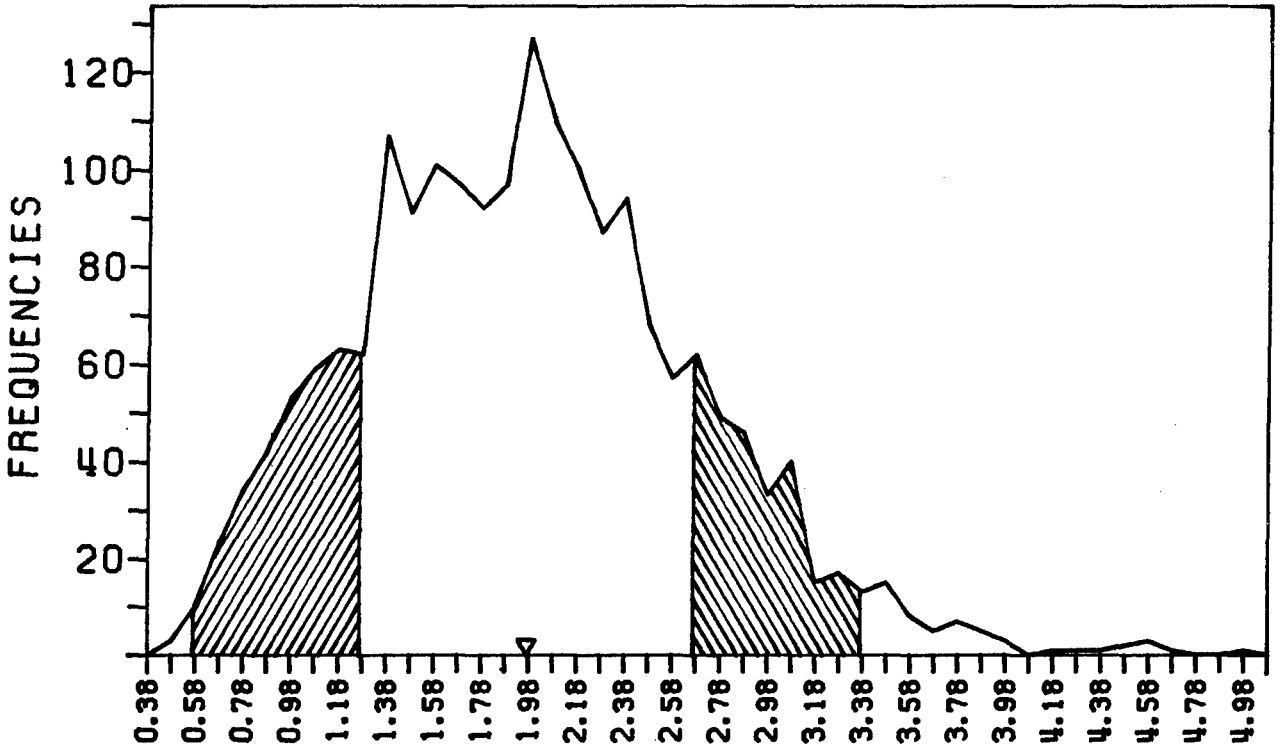
CENTIMETERS		INCHES
2.90	99TH	1.14
2.62	98TH	1.03
2.45	97TH	0.96
2.23	95TH	0.88
1.93	90TH	0.76
1.75	85TH	0.69
1.62	80TH	0.64
1.51	75TH	0.60
1.43	70TH	0.56
1.35	65TH	0.53
1.29	60TH	0.51
1.22	55TH	0.48
1.17	50TH	0.46
1.12	45TH	0.44
1.07	40TH	0.42
1.02	35TH	0.40
0.97	30TH	0.38
0.93	25TH	0.36
0.88	20TH	0.35
0.83	15TH	0.33
0.78	10TH	0.31
0.71	5TH	0.28
0.68	3RD	0.27
0.65	2ND	0.26
0.62	1ST	0.24

(5) SUPRAILIAC SKINFOLD

Subject stands relaxed. Pick up a skinfold in the right mid-axillary line at the level of the crest of the ilium and following the border of the crest. Using a Harpenden skinfold caliper, measure the thickness of the fold.







RANGES*		F	CUMF	FPCT	CUMPCT
4.93-	5.03	1	1905	0.05	100.00
4.83-	4.93	0	1904	0.00	99.95
4.73-	4.83	0	1904	0.00	99.95
4.63-	4.73	1	1904	0.05	99.95
4.53-	4.63	3	1903	0.16	99.90
4.43-	4.53	2	1900	0.10	99.74
4.33-	4.43	1	1898	0.05	99.63
4.23-	4.33	1	1897	0.05	99.58
4.13-	4.23	1	1896	0.05	99.53
4.03-	4.13	0	1895	0.00	99.48
3.93-	4.03	3	1895	0.16	99.48
3.83-	3.93	5	1892	0.26	99.32
3.73-	3.83	7	1887	0.37	99.06
3.63-	3.73	5	1880	0.26	98.69
3.53-	3.63	8	1875	0.42	98.43
3.43-	3.53	15	1867	0.79	98.01
3.33-	3.43	13	1852	0.68	97.22
3.23-	3.33	17	1839	0.89	96.54
3.13-	3.23	15	1822	0.79	95.64
3.03-	3.13	40	1807	2.10	94.86
2.93-	3.03	33	1767	1.73	92.76
2.83-	2.93	46	1734	2.41	91.02
2.73-	2.83	49	1688	2.57	88.61
2.63-	2.73	62	1639	3.25	86.04
2.53-	2.63	57	1577	2.99	82.78
2.43-	2.53	68	1520	3.57	79.79
2.33-	2.43	94	1452	4.93	76.22
2.23-	2.33	87	1358	4.57	71.29
2.13-	2.23	100	1271	5.25	66.72
2.03-	2.13	110	1171	5.77	61.47
1.93-	2.03	127	1061	6.67	55.70
1.83-	1.93	97	934	5.09	49.03
1.73-	1.83	92	837	4.83	43.94
1.63-	1.73	97	745	5.09	39.11
1.53-	1.63	101	648	5.30	34.02
1.43-	1.53	91	547	4.78	28.71
1.33-	1.43	107	456	5.62	23.94
1.23-	1.33	62	349	3.25	18.32
1.13-	1.23	63	287	3.31	15.07
1.03-	1.13	59	224	3.10	11.76
0.93-	1.03	53	165	2.78	8.66
0.83-	0.93	42	112	2.20	5.88
0.73-	0.83	34	70	1.78	3.67
0.63-	0.73	23	36	1.21	1.89
0.53-	0.63	10	13	0.52	0.68
0.43-	0.53	3	3	0.16	0.16

*IN CENTIMETERS

CENTIMETERS		INCHES
1.97	MEAN VALUE	0.78
0.02	SE(MEAN)	0.01
0.70	SD DEVIATION	0.28
0.01	SE(SD DEV)	0.00

****

SYMMETRY---VETA I = 0.47
KURTOSIS---VETA II = 3.30
COEF. OF VARIATION = 35.5%

****

NUMBER OF SUBJECTS = 1905

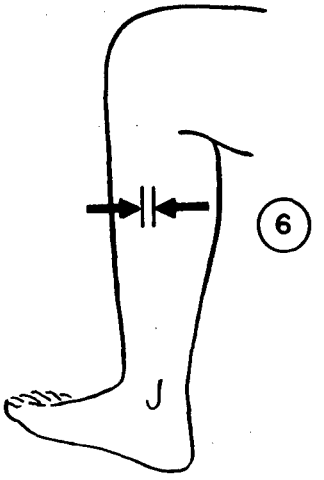
****

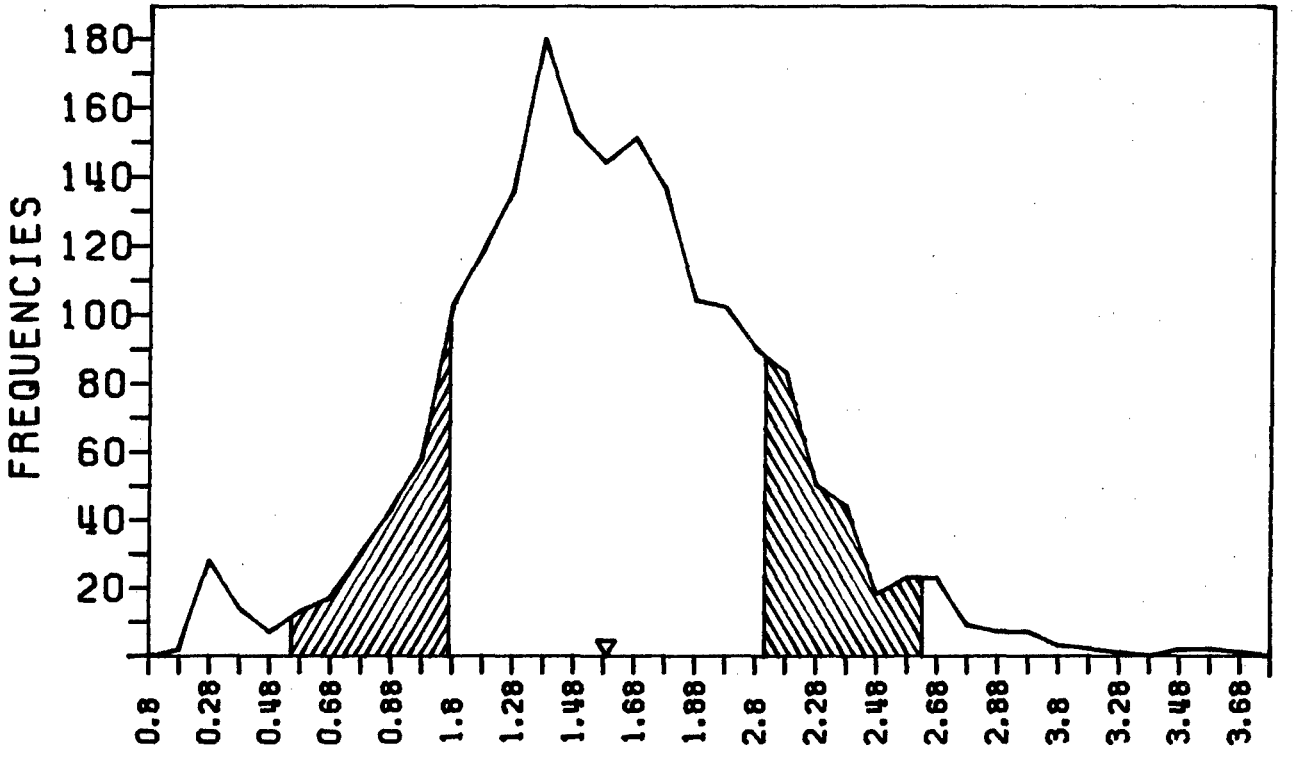
THE PERCENTILES

CENTIMETERS		INCHES
3.81	99TH	1.50
3.53	98TH	1.39
3.37	97TH	1.33
3.17	95TH	1.25
2.87	90TH	1.13
2.68	85TH	1.06
2.53	80TH	1.00
2.41	75TH	0.95
2.30	70TH	0.91
2.20	65TH	0.87
2.10	60TH	0.83
2.01	55TH	0.79
1.92	50TH	0.76
1.83	45TH	0.72
1.74	40TH	0.69
1.65	35TH	0.65
1.56	30TH	0.61
1.46	25TH	0.57
1.35	20TH	0.53
1.22	15TH	0.48
1.08	10TH	0.42
0.89	5TH	0.35
0.78	3RD	0.31
0.72	2ND	0.28
0.66	1ST	0.26

(6) MEDIAL CALF SKINFOLD

Subject stands with right foot resting on a platform so that right hip and knee are flexed about 90 degrees. Pick up a skinfold parallel to the long axis of the lower leg at the right calf landmark. Using a Harpenden skinfold caliper, measure the thickness of the fold.





RANGES*		F	CUMF	FPCT	CUMPCT
3.63-	3.73	1	1905	0.05	100.00
3.53-	3.63	2	1904	0.10	99.95
3.43-	3.53	2	1902	0.10	99.84
3.33-	3.43	0	1900	0.00	99.74
3.23-	3.33	1	1900	0.05	99.74
3.13-	3.23	2	1899	0.10	99.69
3.03-	3.13	3	1897	0.16	99.58
2.93-	3.03	7	1894	0.37	99.42
2.83-	2.93	7	1887	0.37	99.06
2.73-	2.83	9	1880	0.47	98.69
2.63-	2.73	23	1871	1.21	98.22
2.53-	2.63	23	1848	1.21	97.01
2.43-	2.53	18	1825	0.94	95.80
2.33-	2.43	44	1807	2.31	94.86
2.23-	2.33	50	1763	2.62	92.55
2.13-	2.23	83	1713	4.36	89.92
2.03-	2.13	90	1630	4.72	85.56
1.93-	2.03	102	1540	5.35	80.84
1.83-	1.93	104	1438	5.46	75.49
1.73-	1.83	136	1334	7.14	70.03
1.63-	1.73	151	1198	7.93	62.89
1.53-	1.63	144	1047	7.56	54.96
1.43-	1.53	153	903	8.03	47.40
1.33-	1.43	180	750	9.45	39.37
1.23-	1.33	136	570	7.14	29.92
1.13-	1.23	119	434	6.25	22.78
1.03-	1.13	103	315	5.41	16.54
0.93-	1.03	58	212	3.04	11.13
0.83-	0.93	43	154	2.26	8.08
0.73-	0.83	30	111	1.57	5.83
0.63-	0.73	17	81	0.89	4.25
0.53-	0.63	13	64	0.68	3.36
0.43-	0.53	7	51	0.37	2.68
0.33-	0.43	14	44	0.73	2.31
0.23-	0.33	28	30	1.47	1.57
0.13-	0.23	2	2	0.10	0.10

*IN CENTIMETERS

CENTIMETERS		INCHES
1.59	MEAN VALUE	0.63
0.01	SE(MEAN)	0.00
0.52	SD DEVIATION	0.20
0.01	SE(SD DEV)	0.00

****

SYMMETRY---VETA I = 0.18
KURTOSIS---VETA II = 3.60
COEF. OF VARIATION = 32.4%

****

NUMBER OF SUBJECTS = 1905

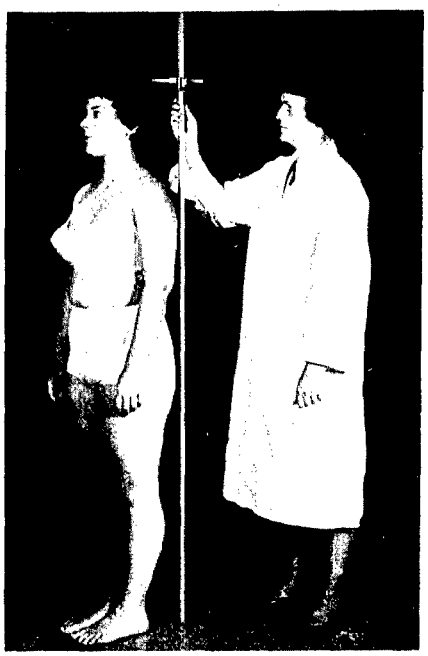
****

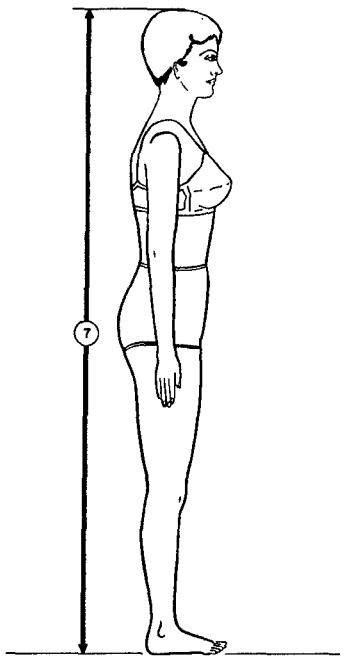
THE PERCENTILES

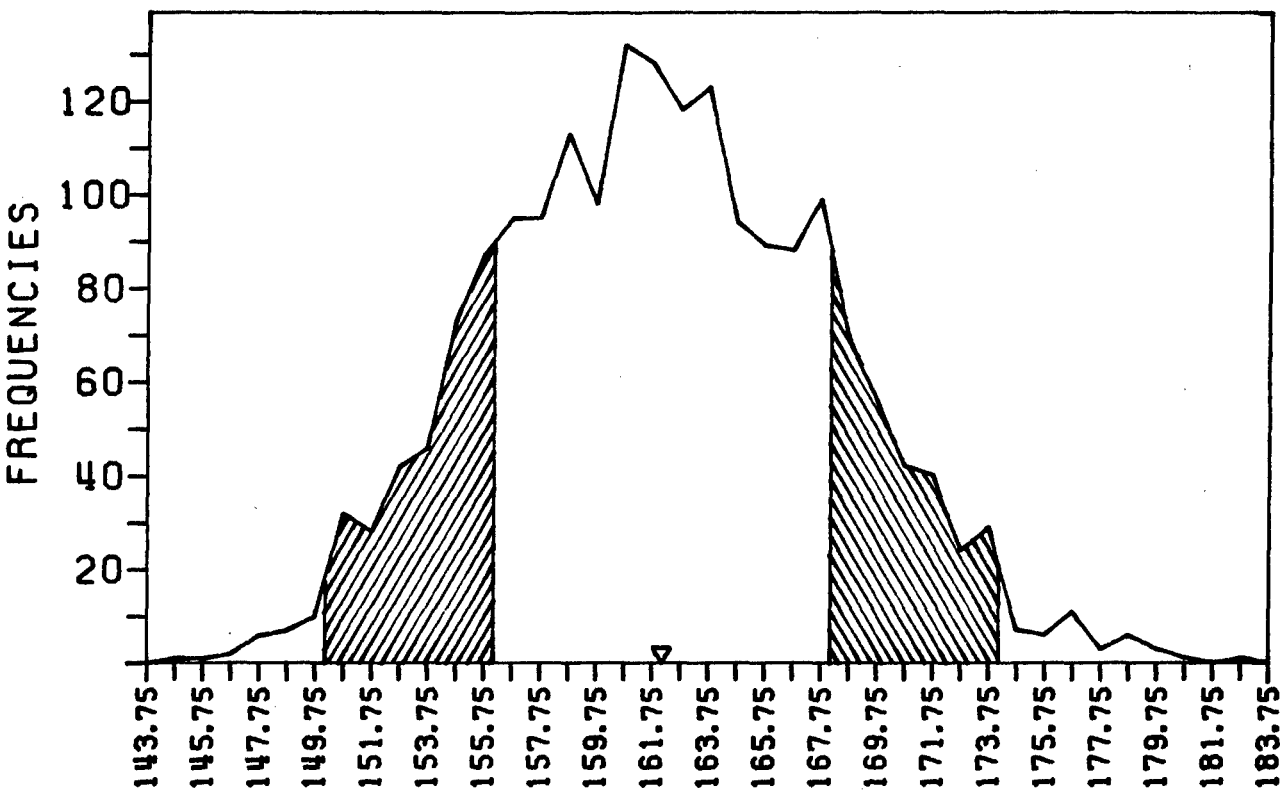
CENTIMETERS		INCHES
2.90	99TH	1.14
2.72	98TH	1.07
2.61	97TH	1.03
2.46	95TH	0.97
2.24	90TH	0.88
2.10	85TH	0.83
1.99	80TH	0.78
1.90	75TH	0.75
1.82	70TH	0.72
1.75	65TH	0.69
1.69	60TH	0.67
1.63	55TH	0.64
1.57	50TH	0.62
1.51	45TH	0.59
1.45	40TH	0.57
1.39	35TH	0.55
1.33	30TH	0.52
1.26	25TH	0.49
1.18	20TH	0.46
1.08	15TH	0.43
0.95	10TH	0.38
0.74	5TH	0.29
0.59	3RD	0.23
0.46	2ND	0.18
0.24	1ST	0.10

(7) STATURE

Subject stands erect, head in the Frankfort plane, heels together, and weight distributed equally on both feet. With the arm of the anthropometer firmly touching the scalp, measure the vertical distance from the standing surface to the top of the head.







RANGES*	F	CUMF	FPCT	CUMPCT
182.25-183.25	1	1905	0.05	100.00
181.25-182.25	0	1904	0.00	99.95
180.25-181.25	1	1904	0.05	99.95
179.25-180.25	3	1903	0.16	99.90
178.25-179.25	6	1900	0.31	99.74
177.25-178.25	3	1894	0.16	99.42
176.25-177.25	11	1891	0.58	99.27
175.25-176.25	6	1880	0.31	98.69
174.25-175.25	7	1874	0.37	98.37
173.25-174.25	29	1867	1.52	98.01
172.25-173.25	24	1838	1.26	96.48
171.25-172.25	40	1814	2.10	95.22
170.25-171.25	42	1774	2.20	93.12
169.25-170.25	56	1732	2.94	90.92
168.25-169.25	69	1676	3.62	87.98
167.25-168.25	99	1607	5.20	84.36
166.25-167.25	88	1508	4.62	79.16
165.25-166.25	89	1420	4.67	74.54
164.25-165.25	94	1331	4.93	69.87
163.25-164.25	123	1237	6.46	64.93
162.25-163.25	118	1114	6.19	58.48
161.25-162.25	128	996	6.72	52.28
160.25-161.25	132	868	6.93	45.56
159.25-160.25	98	736	5.14	38.64
158.25-159.25	113	638	5.93	33.49
157.25-158.25	95	525	4.99	27.56
156.25-157.25	95	430	4.99	22.57
155.25-156.25	87	335	4.57	17.59
154.25-155.25	73	248	3.83	13.02
153.25-154.25	46	175	2.41	9.19
152.25-153.25	42	129	2.20	6.77
151.25-152.25	28	87	1.47	4.57
150.25-151.25	32	59	1.68	3.10
149.25-150.25	10	27	0.52	1.42
148.25-149.25	7	17	0.37	0.89
147.25-148.25	6	10	0.31	0.52
146.25-147.25	2	4	0.10	0.21
145.25-146.25	1	2	0.05	0.10
144.25-145.25	1	1	0.05	0.05

*IN CENTIMETERS

CENTIMETERS		INCHES
162.10	MEAN VALUE	63.82
0.14	SE(MEAN)	0.05
6.00	SD DEVIATION	2.36
0.10	SE(SD DEV)	0.04

****

SYMMETRY---VETA I = 0.16
KURTOSIS---VETA II = 2.77
COEF. OF VARIATION = 3.7%

****

NUMBER OF SUBJECTS = 1905

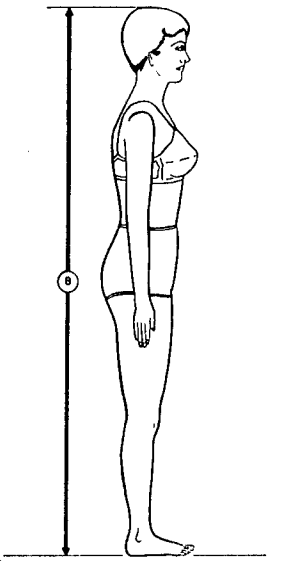
****

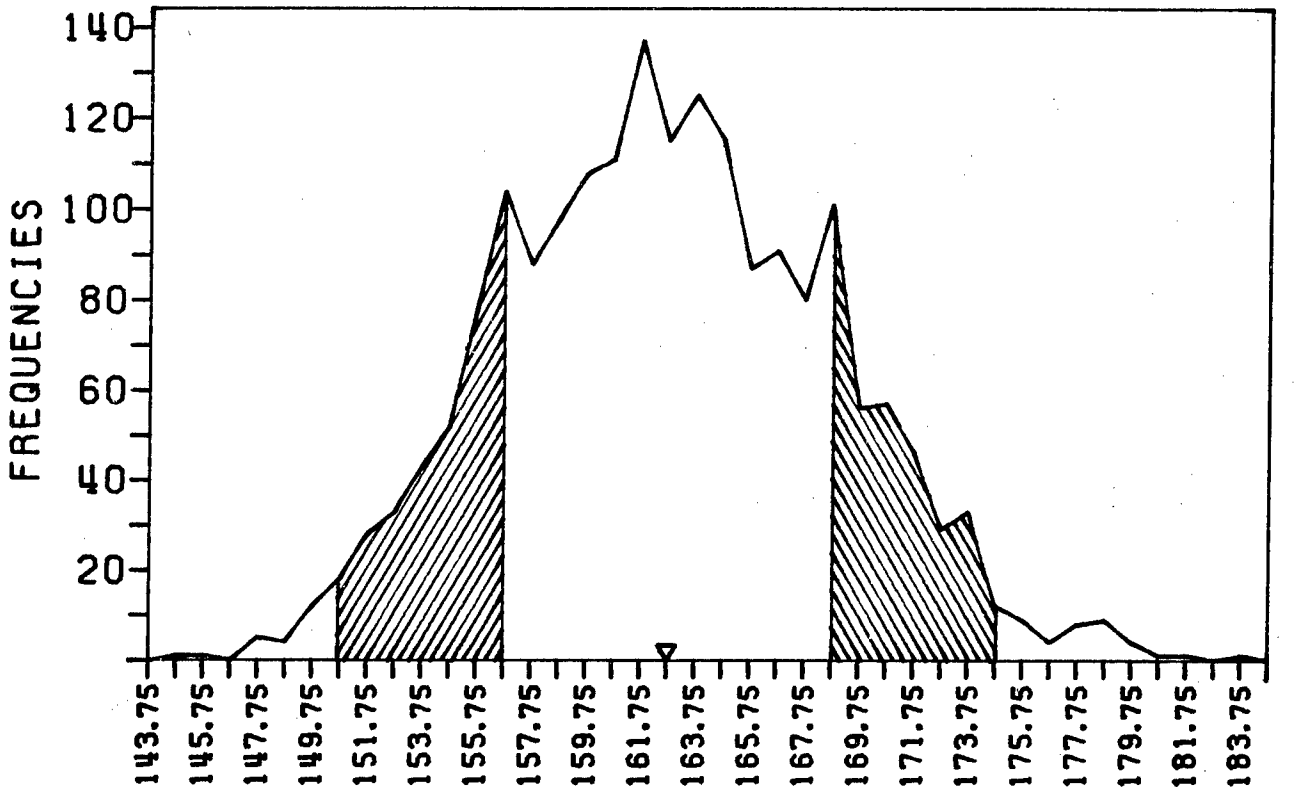
THE PERCENTILES

CENTIMETERS		INCHES
176.48	99TH	69.48
174.72	98TH	68.79
173.62	97TH	68.35
172.15	95TH	67.77
169.90	90TH	66.89
168.39	85TH	66.30
167.20	80TH	65.82
166.16	75TH	65.42
165.23	70TH	65.05
164.37	65TH	64.71
163.55	60TH	64.39
162.76	55TH	64.08
161.97	50TH	63.77
161.19	45TH	63.46
160.40	40TH	63.15
159.58	35TH	62.83
158.73	30TH	62.49
157.82	25TH	62.13
156.81	20TH	61.74
155.67	15TH	61.29
154.28	10TH	60.74
152.37	5TH	59.99
151.26	3RD	59.55
150.52	2ND	59.26
149.52	1ST	58.87

(8) STATURE, MAXIMUM

Subject stands erect, head in the Frankfort plane, heels together, and weight distributed equally on both feet. While taking a deep breath, subject stretches to maximum stature, maintaining head in the Frankfort plane and feet flat on the floor. With the arm of the anthropometer firmly touching the scalp, measure the vertical distance from the standing surface to the top of the head.





RANGES*	F	CUMF	FPCT	CUMPCT
183.25-184.25	1	1905	0.05	100.00
182.25-183.25	0	1904	0.00	99.95
181.25-182.25	1	1904	0.05	99.95
180.25-181.25	1	1903	0.05	99.90
179.25-180.25	4	1902	0.21	99.84
178.25-179.25	9	1898	0.47	99.63
177.25-178.25	8	1889	0.42	99.16
176.25-177.25	4	1881	0.21	98.74
175.25-176.25	9	1877	0.47	98.53
174.25-175.25	12	1868	0.63	98.06
173.25-174.25	33	1856	1.73	97.43
172.25-173.25	29	1823	1.52	95.70
171.25-172.25	46	1794	2.41	94.17
170.25-171.25	57	1748	2.99	91.76
169.25-170.25	56	1691	2.94	88.77
168.25-169.25	101	1635	5.30	85.83
167.25-168.25	80	1534	4.20	80.52
166.25-167.25	91	1454	4.78	76.33
165.25-166.25	87	1363	4.57	71.55
164.25-165.25	115	1276	6.04	66.98
163.25-164.25	125	1161	6.56	60.94
162.25-163.25	115	1036	6.04	54.38
161.25-162.25	137	921	7.19	48.35
160.25-161.25	111	784	5.83	41.15
159.25-160.25	108	673	5.67	35.33
158.25-159.25	98	565	5.14	29.66
157.25-158.25	88	467	4.62	24.51
156.25-157.25	104	379	5.46	19.90
155.25-156.25	78	275	4.09	14.44
154.25-155.25	52	197	2.73	10.34
153.25-154.25	43	145	2.26	7.61
152.25-153.25	33	102	1.73	5.35
151.25-152.25	28	69	1.47	3.62
150.25-151.25	18	41	0.94	2.15
149.25-150.25	12	23	0.63	1.21
148.25-149.25	4	11	0.21	0.58
147.25-148.25	5	7	0.26	0.37
146.25-147.25	0	2	0.00	0.10
145.25-146.25	1	2	0.05	0.10
144.25-145.25	1	1	0.05	0.05

*IN CENTIMETERS

CENTIMETERS		INCHES
162.75	MEAN VALUE	64.07
0.14	SE(MEAN)	0.05
6.02	SD DEVIATION	2.37
0.10	SE(SD DEV)	0.04

****

SYMMETRY---VETA I = 0.16
KURTOSIS---VETA II = 2.80
COEF. OF VARIATION = 3.7%

****

NUMBER OF SUBJECTS = 1905

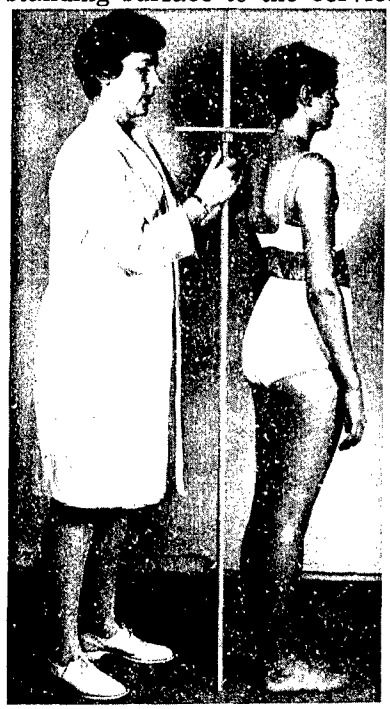
****

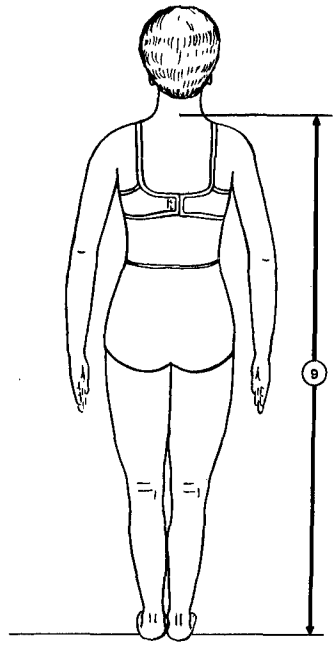
THE PERCENTILES

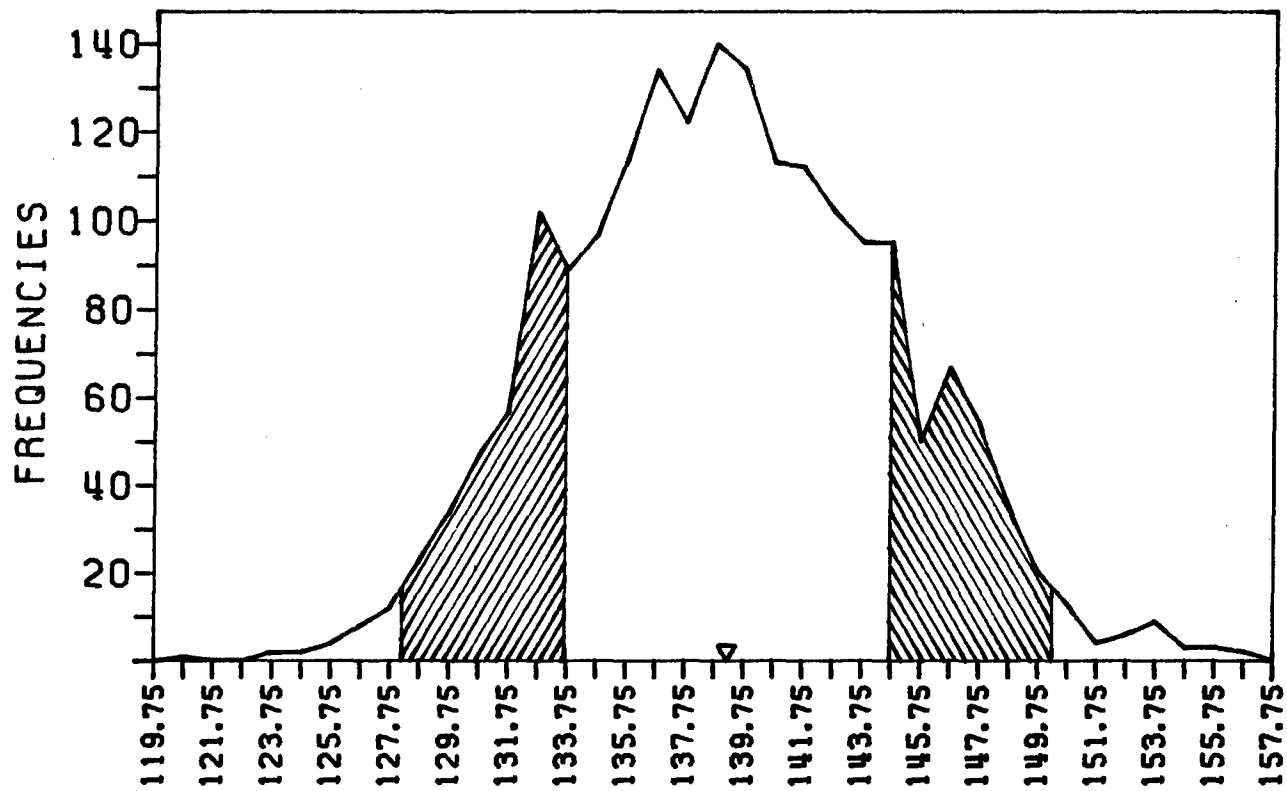
CENTIMETERS		INCHES
177.46	99TH	69.87
175.54	98TH	69.11
174.37	97TH	68.65
172.82	95TH	68.04
170.52	90TH	67.14
169.00	85TH	66.54
167.81	80TH	66.07
166.77	75TH	65.66
165.85	70TH	65.30
165.00	65TH	64.96
164.18	60TH	64.64
163.40	55TH	64.33
162.62	50TH	64.02
161.84	45TH	63.72
161.05	40TH	63.41
160.24	35TH	63.09
159.38	30TH	62.75
158.47	25TH	62.39
157.45	20TH	61.99
156.30	15TH	61.54
154.89	10TH	60.98
152.94	5TH	60.21
151.81	3RD	59.77
151.05	2ND	59.47
150.03	1ST	59.07

(9) CERVICALE HEIGHT

Subject stands erect, head in the Frankfort plane, heels together, and weight distributed equally on both feet. With an anthropometer, measure the vertical distance from the standing surface to the cervicale landmark.







RANGES*	F	CUMF	FPCT	CUMPCT
156.25-157.25	2	1905	0.10	100.00
155.25-156.25	3	1903	0.16	99.90
154.25-155.25	3	1900	0.16	99.74
153.25-154.25	9	1897	0.47	99.58
152.25-153.25	6	1888	0.31	99.11
151.25-152.25	4	1882	0.21	98.79
150.25-151.25	13	1878	0.68	98.58
149.25-150.25	20	1865	1.05	97.90
148.25-149.25	35	1845	1.84	96.85
147.25-148.25	54	1810	2.83	95.01
146.25-147.25	67	1756	3.52	92.18
145.25-146.25	50	1689	2.62	88.66
144.25-145.25	95	1639	4.99	86.04
143.25-144.25	95	1544	4.99	81.05
142.25-143.25	102	1449	5.35	76.06
141.25-142.25	112	1347	5.88	70.71
140.25-141.25	113	1235	5.93	64.83
139.25-140.25	134	1122	7.03	58.90
138.25-139.25	140	988	7.35	51.86
137.25-138.25	122	848	6.40	44.51
136.25-137.25	134	726	7.03	38.11
135.25-136.25	114	592	5.98	31.08
134.25-135.25	97	478	5.09	25.09
133.25-134.25	89	381	4.67	20.00
132.25-133.25	102	292	5.35	15.33
131.25-132.25	57	190	2.99	9.97
130.25-131.25	47	133	2.47	6.98
129.25-130.25	34	86	1.78	4.51
128.25-129.25	23	52	1.21	2.73
127.25-128.25	12	29	0.63	1.52
126.25-127.25	8	17	0.42	0.89
125.25-126.25	4	9	0.21	0.47
124.25-125.25	2	5	0.10	0.26
123.25-124.25	2	3	0.10	0.16
122.25-123.25	0	1	0.00	0.05
121.25-122.25	0	1	0.00	0.05
120.25-121.25	1	1	0.05	0.05

*IN CENTIMETERS

CENTIMETERS		INCHES
139.20	MEAN VALUE	54.80
0.13	SE(MEAN)	0.05
5.52	SD DEVIATION	2.17
0.09	SE(SD DEV)	0.04

****

SYMMETRY---VETA I = 0.14
KURTOSIS---VETA II = 2.78
COEF. OF VARIATION = 4.0%

****

NUMBER OF SUBJECTS = 1905

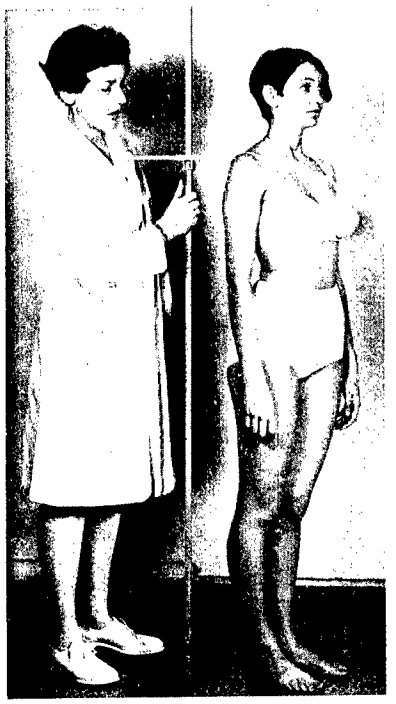
****

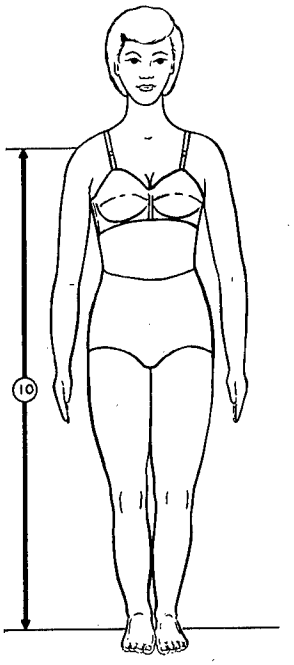
THE PERCENTILES

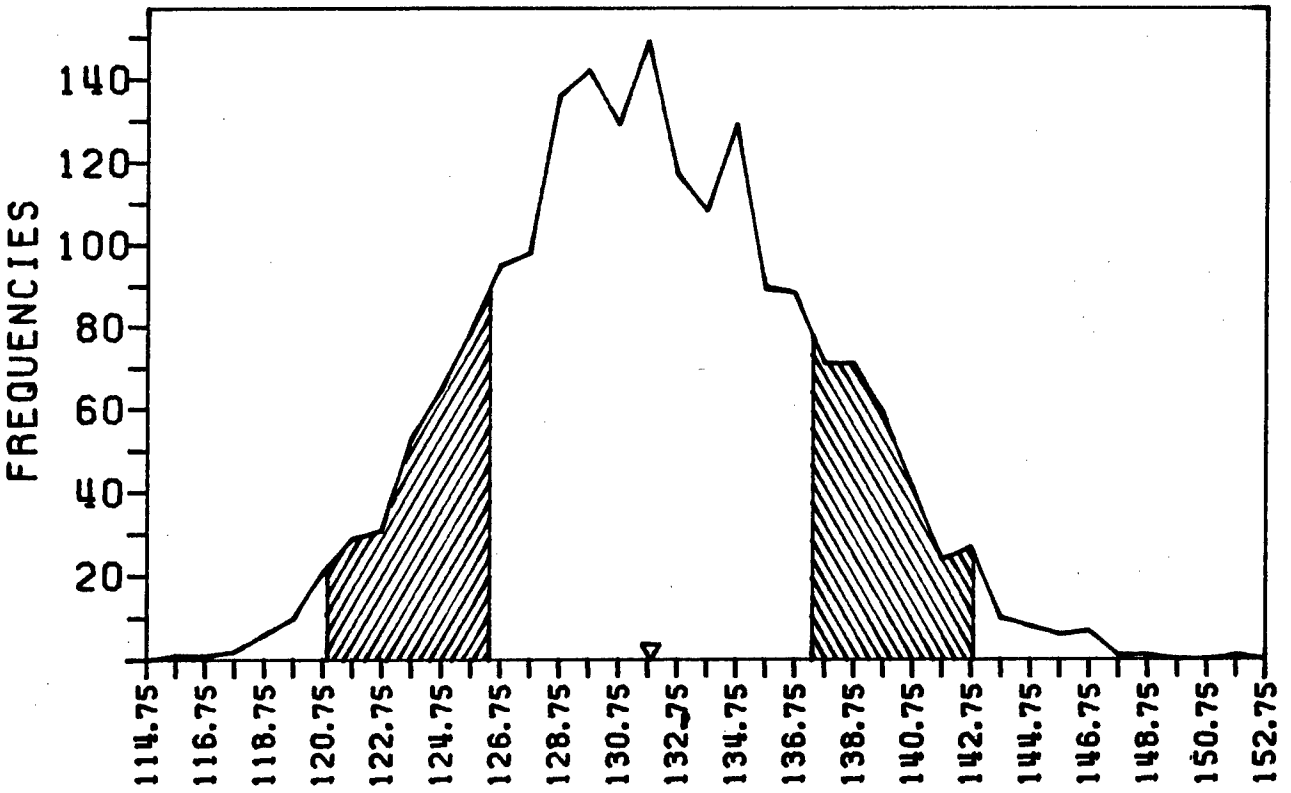
CENTIMETERS		INCHES
152.45	99TH	60.02
150.80	98TH	59.37
149.78	97TH	58.97
148.41	95TH	58.43
146.33	90TH	57.61
144.93	85TH	57.06
143.83	80TH	56.63
142.88	75TH	56.25
142.03	70TH	55.92
141.25	65TH	55.61
140.50	60TH	55.31
139.78	55TH	55.03
139.06	50TH	54.75
138.35	45TH	54.47
137.63	40TH	54.19
136.89	35TH	53.89
136.12	30TH	53.59
135.29	25TH	53.26
134.37	20TH	52.90
133.33	15TH	52.49
132.06	10TH	51.99
130.30	5TH	51.30
129.27	3RD	50.89
128.57	2ND	50.62
127.61	1ST	50.24

(10) ACROMIAL HEIGHT

Subject stands erect looking straight ahead, heels together, and weight distributed equally on both feet. With an anthropometer, measure the vertical distance from the standing surface to the right acromial landmark.







RANGES*	F	CUMF	FPCT	CUMPCT
151.25-152.25	1	1905	0.05	100.00
150.25-151.25	0	1904	0.00	99.95
149.25-150.25	0	1904	0.00	99.95
148.25-149.25	1	1904	0.05	99.95
147.25-148.25	1	1903	0.05	99.90
146.25-147.25	7	1902	0.37	99.84
145.25-146.25	6	1895	0.31	99.48
144.25-145.25	8	1889	0.42	99.16
143.25-144.25	10	1881	0.52	98.74
142.25-143.25	27	1871	1.42	98.22
141.25-142.25	24	1844	1.26	96.80
140.25-141.25	41	1820	2.15	95.54
139.25-140.25	59	1779	3.10	93.39
138.25-139.25	71	1720	3.73	90.29
137.25-138.25	71	1649	3.73	86.56
136.25-137.25	88	1578	4.62	82.83
135.25-136.25	89	1490	4.67	78.22
134.25-135.25	129	1401	6.77	73.54
133.25-134.25	108	1272	5.67	66.77
132.25-133.25	117	1164	6.14	61.10
131.25-132.25	149	1047	7.82	54.96
130.25-131.25	129	898	6.77	47.14
129.25-130.25	142	769	7.45	40.37
128.25-129.25	136	627	7.14	32.91
127.25-128.25	98	491	5.14	25.77
126.25-127.25	95	393	4.99	20.63
125.25-126.25	79	298	4.15	15.64
124.25-125.25	65	219	3.41	11.50
123.25-124.25	53	154	2.78	8.08
122.25-123.25	31	101	1.63	5.30
121.25-122.25	29	70	1.52	3.67
120.25-121.25	21	41	1.10	2.15
119.25-120.25	10	20	0.52	1.05
118.25-119.25	6	10	0.31	0.52
117.25-118.25	2	4	0.10	0.21
116.25-117.25	1	2	0.05	0.10
115.25-116.25	1	1	0.05	0.05

*IN CENTIMETERS

CENTIMETERS		INCHES
131.86	MEAN VALUE	51.91
0.13	SE(MEAN)	0.05
5.48	SD DEVIATION	2.16
0.09	SE(SD DEV)	0.03

****

SYMMETRY---VETA I = 0.14
KURTOSIS---VETA II = 2.78
COEF. OF VARIATION = 4.2%

****

NUMBER OF SUBJECTS = 1905

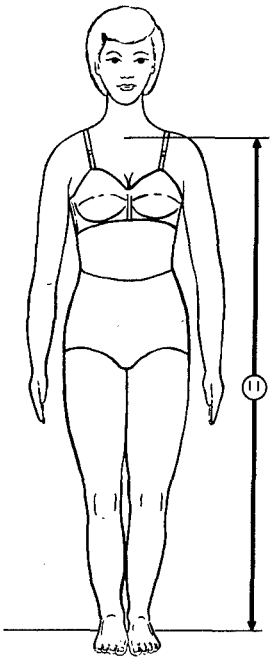
****

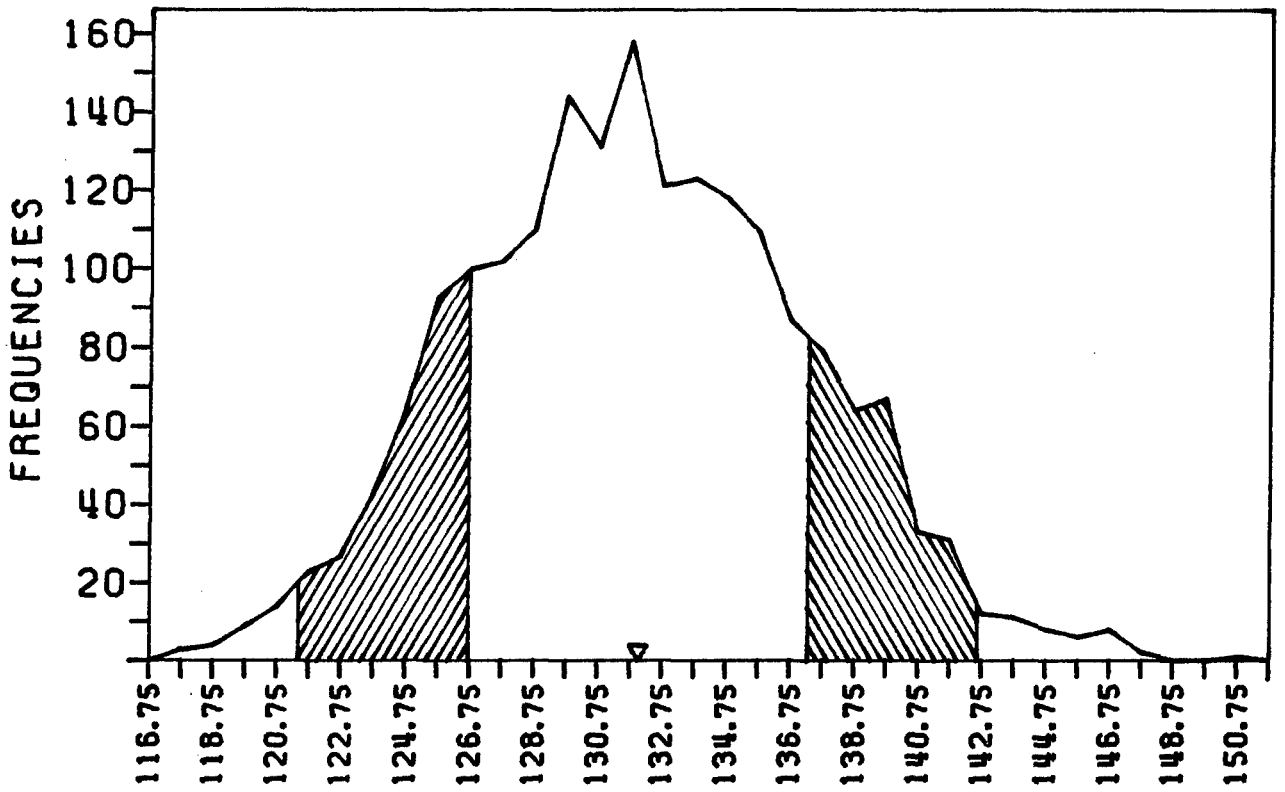
THE PERCENTILES

CENTIMETERS		INCHES
144.73	99TH	56.98
143.32	98TH	56.42
142.39	97TH	56.06
141.10	95TH	55.55
139.06	90TH	54.75
137.66	85TH	54.20
136.54	80TH	53.76
135.58	75TH	53.38
134.71	70TH	53.04
133.91	65TH	52.72
133.15	60TH	52.42
132.43	55TH	52.14
131.71	50TH	51.85
130.99	45TH	51.57
130.28	40TH	51.29
129.54	35TH	51.00
128.78	30TH	50.70
127.96	25TH	50.38
127.06	20TH	50.02
126.04	15TH	49.62
124.79	10TH	49.13
123.02	5TH	48.43
121.95	3RD	48.01
121.19	2ND	47.71
120.07	1ST	47.27

(11) SUPRASTERNALE HEIGHT

Subject stands erect looking straight ahead, heels together, and weight distributed equally on both feet. With an anthropometer, measure the vertical distance from the standing surface to the suprasternale landmark.





RANGES*	F	CUMF	FPCT	CUMPCT
150.25-151.25	1	1905	0.05	100.00
149.25-150.25	0	1904	0.00	99.95
148.25-149.25	0	1904	0.00	99.95
147.25-148.25	2	1904	0.10	99.95
146.25-147.25	8	1902	0.42	99.84
145.25-146.25	6	1894	0.31	99.42
144.25-145.25	8	1888	0.42	99.11
143.25-144.25	11	1880	0.58	98.69
142.25-143.25	12	1869	0.63	98.11
141.25-142.25	31	1857	1.63	97.48
140.25-141.25	33	1826	1.73	95.85
139.25-140.25	67	1793	3.52	94.12
138.25-139.25	64	1726	3.36	90.60
137.25-138.25	79	1662	4.15	87.24
136.25-137.25	87	1583	4.57	83.10
135.25-136.25	109	1496	5.72	78.53
134.25-135.25	118	1387	6.19	72.81
133.25-134.25	123	1269	6.46	66.61
132.25-133.25	121	1146	6.35	60.16
131.25-132.25	158	1025	8.29	53.81
130.25-131.25	131	867	6.88	45.51
129.25-130.25	144	736	7.56	38.64
128.25-129.25	110	592	5.77	31.08
127.25-128.25	102	482	5.35	25.30
126.25-127.25	100	380	5.25	19.95
125.25-126.25	93	280	4.88	14.70
124.25-125.25	64	187	3.36	9.82
123.25-124.25	43	123	2.26	6.46
122.25-123.25	27	80	1.42	4.20
121.25-122.25	23	53	1.21	2.78
120.25-121.25	14	30	0.73	1.57
119.25-120.25	9	16	0.47	0.84
118.25-119.25	4	7	0.21	0.37
117.25-118.25	3	3	0.16	0.16

*IN CENTIMETERS

CENTIMETERS		INCHES
132.00	MEAN VALUE	51.97
0.12	SE(MEAN)	0.05
5.30	SD DEVIATION	2.09
0.09	SE(SD DEV)	0.03

****

SYMMETRY---VETA I = 0.15
KURTOSIS---VETA II = 2.80
COEF. OF VARIATION = 4.0%

****

NUMBER OF SUBJECTS = 1905

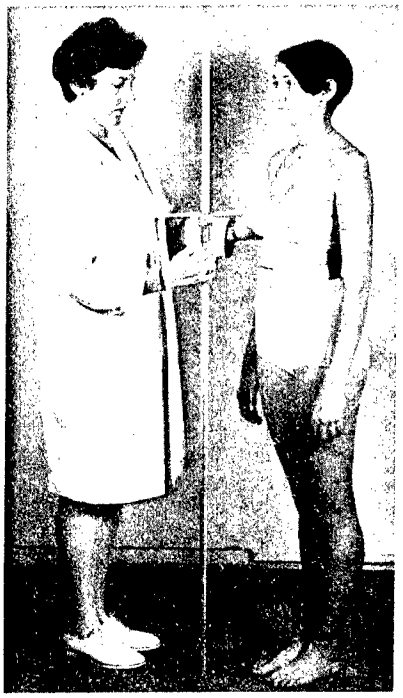
****

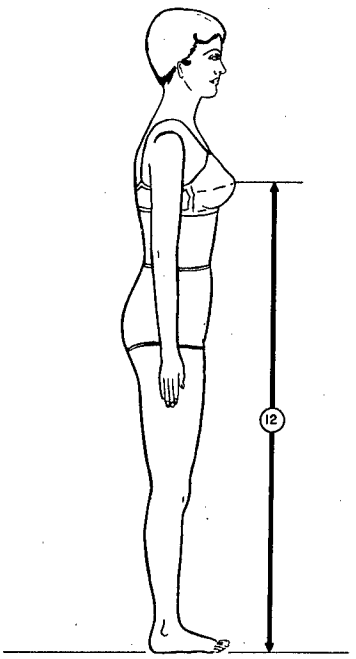
THE PERCENTILES

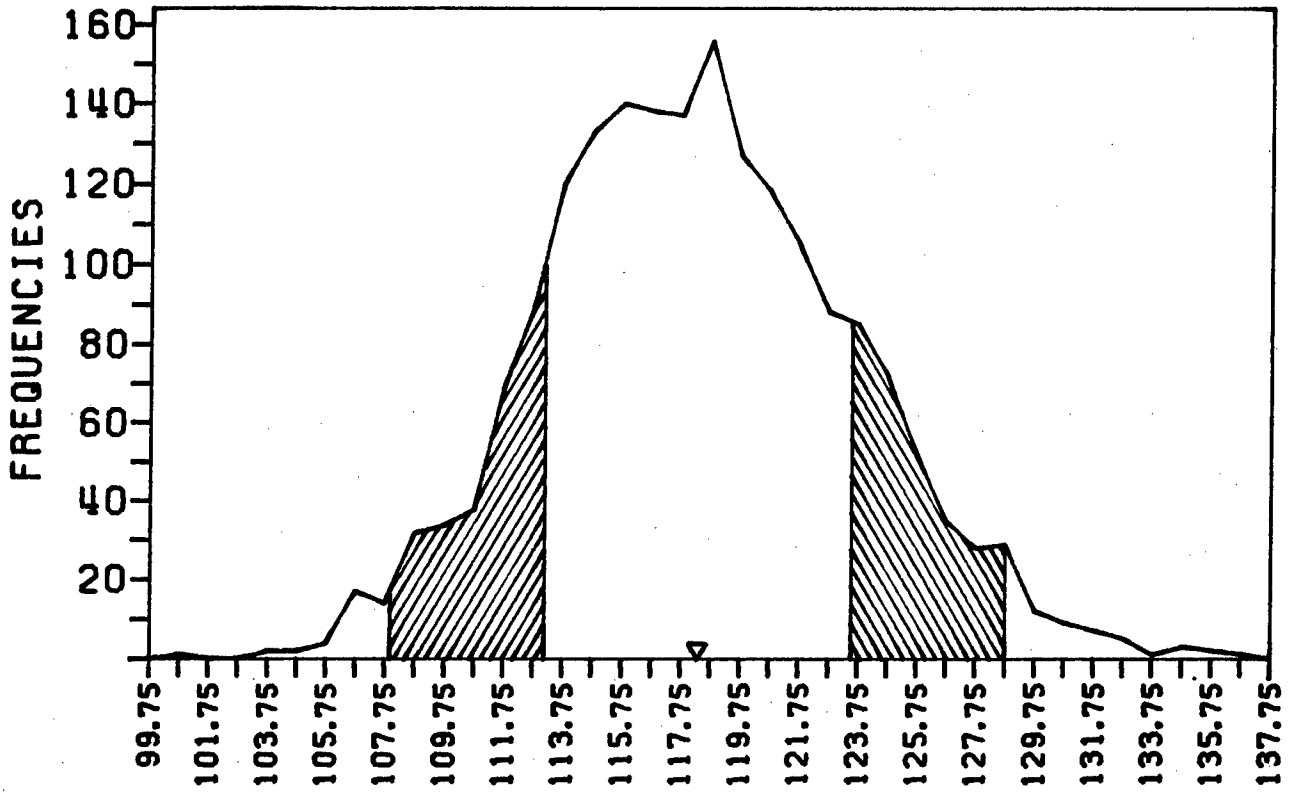
CENTIMETERS		INCHES
144.75	99TH	56.99
143.21	98TH	56.38
142.23	97TH	56.00
140.92	95TH	55.48
138.90	90TH	54.69
137.54	85TH	54.15
136.47	80TH	53.73
135.55	75TH	53.37
134.72	70TH	53.04
133.96	65TH	52.74
133.24	60TH	52.46
132.55	55TH	52.18
131.86	50TH	51.92
131.18	45TH	51.65
130.50	40TH	51.38
129.79	35TH	51.10
129.05	30TH	50.81
128.26	25TH	50.50
127.38	20TH	50.15
126.39	15TH	49.76
125.16	10TH	49.28
123.43	5TH	48.59
122.37	3RD	48.18
121.63	2ND	47.88
120.54	1ST	47.46

(12) BUSTPOINT HEIGHT

Subject stands erect looking straight ahead, heels together, and weight distributed equally on both feet. With an anthropometer, measure the vertical distance from the standing surface to the right bustpoint landmark.







RANGES*	F	CUMF	FPCT	CUMPCT
136.25-137.25	1	1905	0.05	100.00
135.25-136.25	2	1904	0.10	99.95
134.25-135.25	3	1902	0.16	99.84
133.25-134.25	1	1899	0.05	99.69
132.25-133.25	5	1898	0.26	99.63
131.25-132.25	7	1893	0.37	99.37
130.25-131.25	9	1886	0.47	99.00
129.25-130.25	12	1877	0.63	98.53
128.25-129.25	29	1865	1.52	97.90
127.25-128.25	28	1836	1.47	96.38
126.25-127.25	35	1808	1.84	94.91
125.25-126.25	52	1773	2.73	93.07
124.25-125.25	72	1721	3.78	90.34
123.25-124.25	85	1649	4.46	86.56
122.25-123.25	88	1564	4.62	82.10
121.25-122.25	105	1476	5.51	77.48
120.25-121.25	118	1371	6.19	71.97
119.25-120.25	127	1253	6.67	65.77
118.25-119.25	156	1126	8.19	59.11
117.25-118.25	137	970	7.19	50.92
116.25-117.25	138	833	7.24	43.73
115.25-116.25	140	695	7.35	36.48
114.25-115.25	133	555	6.98	29.13
113.25-114.25	120	422	6.30	22.15
112.25-113.25	89	302	4.67	15.85
111.25-112.25	69	213	3.62	11.18
110.25-111.25	38	144	1.99	7.56
109.25-110.25	34	106	1.78	5.56
108.25-109.25	32	72	1.68	3.78
107.25-108.25	14	40	0.73	2.10
106.25-107.25	17	26	0.89	1.36
105.25-106.25	4	9	0.21	0.47
104.25-105.25	2	5	0.10	0.26
103.25-104.25	2	3	0.10	0.16
102.25-103.25	0	1	0.00	0.05
101.25-102.25	0	1	0.00	0.05
100.25-101.25	1	1	0.05	0.05

*IN CENTIMETERS

CENTIMETERS		INCHES
118.32	MEAN VALUE	46.58
0.12	SE(MEAN)	0.05
5.21	SD DEVIATION	2.05
0.08	SE(SD DEV)	0.03

****

SYMMETRY---VETA I = 0.20
KURTOSIS---VETA II = 3.01
COEF. OF VARIATION = 4.4%

****

NUMBER OF SUBJECTS = 1905

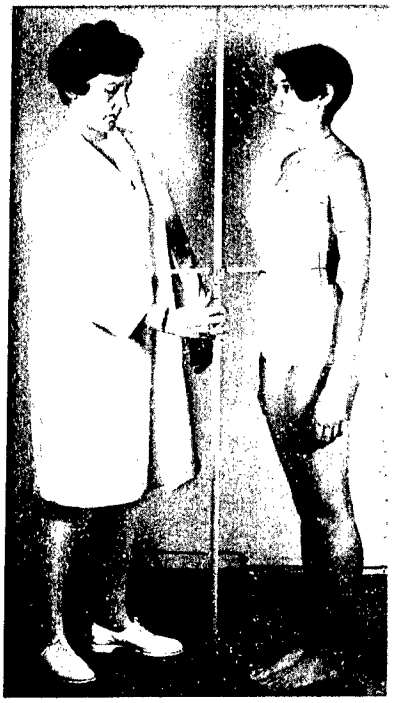
****

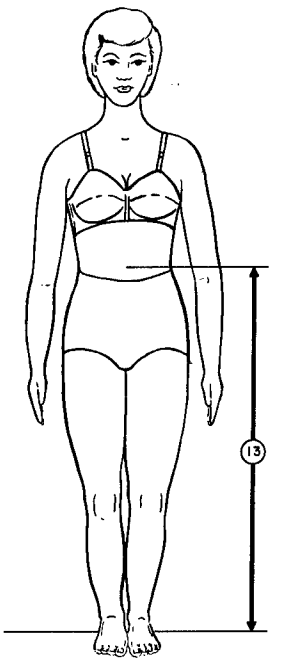
THE PERCENTILES

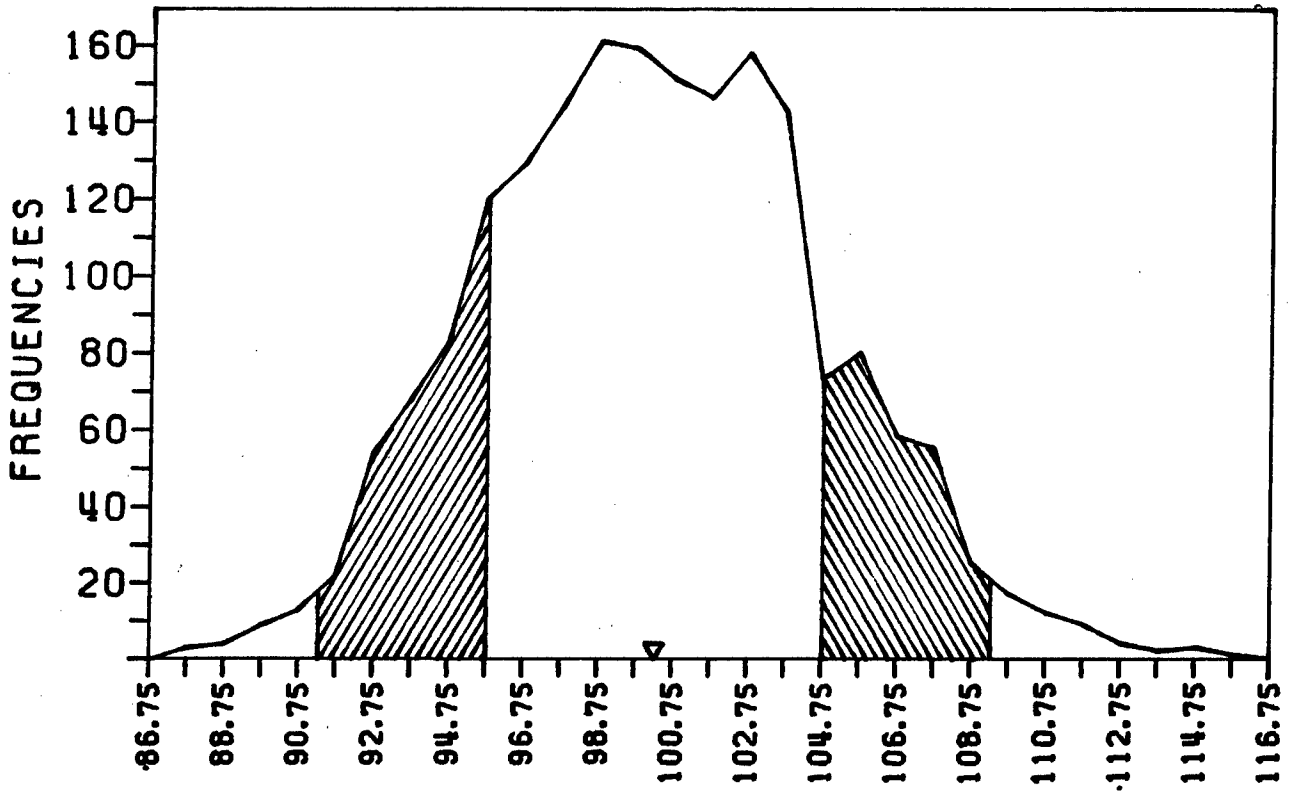
CENTIMETERS		INCHES
131.13	99TH	51.63
129.62	98TH	51.03
128.64	97TH	50.64
127.29	95TH	50.11
125.20	90TH	49.29
123.80	85TH	48.74
122.70	80TH	48.31
121.76	75TH	47.94
120.93	70TH	47.61
120.17	65TH	47.31
119.45	60TH	47.03
118.77	55TH	46.76
118.11	50TH	46.50
117.45	45TH	46.24
116.79	40TH	45.98
116.12	35TH	45.72
115.43	30TH	45.44
114.68	25TH	45.15
113.86	20TH	44.83
112.92	15TH	44.46
111.75	10TH	44.00
110.04	5TH	43.32
108.93	3RD	42.88
108.10	2ND	42.56
106.79	1ST	42.04

(13) WAIST HEIGHT

Subject stands erect looking straight ahead, heels together, and weight distributed equally on both feet. With an anthropometer, measure the vertical distance from the standing surface to the anterior waist landmark.







RANGES*	F	CUMF	FPCT	CUMPCT
115.25-116.25	1	1905	0.05	100.00
114.25-115.25	3	1904	0.16	99.95
113.25-114.25	2	1901	0.10	99.79
112.25-113.25	4	1899	0.21	99.69
111.25-112.25	9	1895	0.47	99.48
110.25-111.25	12	1886	0.63	99.00
109.25-110.25	17	1874	0.89	98.37
108.25-109.25	25	1857	1.31	97.48
107.25-108.25	55	1832	2.89	96.17
106.25-107.25	58	1777	3.04	93.28
105.25-106.25	80	1719	4.20	90.24
104.25-105.25	73	1639	3.83	86.04
103.25-104.25	142	1566	7.45	82.20
102.25-103.25	158	1424	8.29	74.75
101.25-102.25	146	1266	7.66	66.46
100.25-101.25	151	1120	7.93	58.79
99.25-100.25	159	969	8.35	50.87
98.25- 99.25	161	810	8.45	42.52
97.25- 98.25	144	649	7.56	34.07
96.25- 97.25	129	505	6.77	26.51
95.25- 96.25	120	376	6.30	19.74
94.25- 95.25	83	256	4.36	13.44
93.25- 94.25	68	173	3.57	9.08
92.25- 93.25	54	105	2.83	5.51
91.25- 92.25	22	51	1.15	2.68
90.25- 91.25	13	29	0.68	1.52
89.25- 90.25	9	16	0.47	0.84
88.25- 89.25	4	7	0.21	0.37
87.25- 88.25	3	3	0.16	0.16

*IN CENTIMETERS

CENTIMETERS		INCHES
100.28	MEAN VALUE	39.48
0.10	SE(MEAN)	0.04
4.50	SD DEVIATION	1.77
0.07	SE(SD DEV)	0.03

****

SYMMETRY---VETA I = 0.15
KURTOSIS---VETA II = 2.86
COEF. OF VARIATION = 4.5%

****

NUMBER OF SUBJECTS = 1905

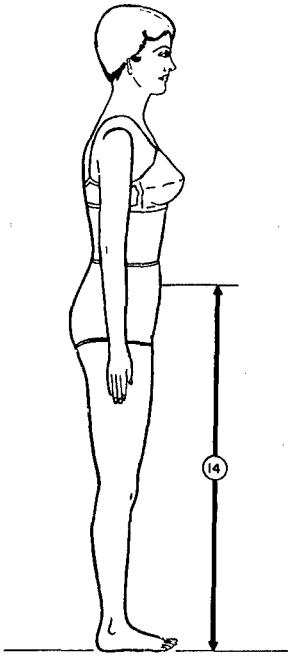
****

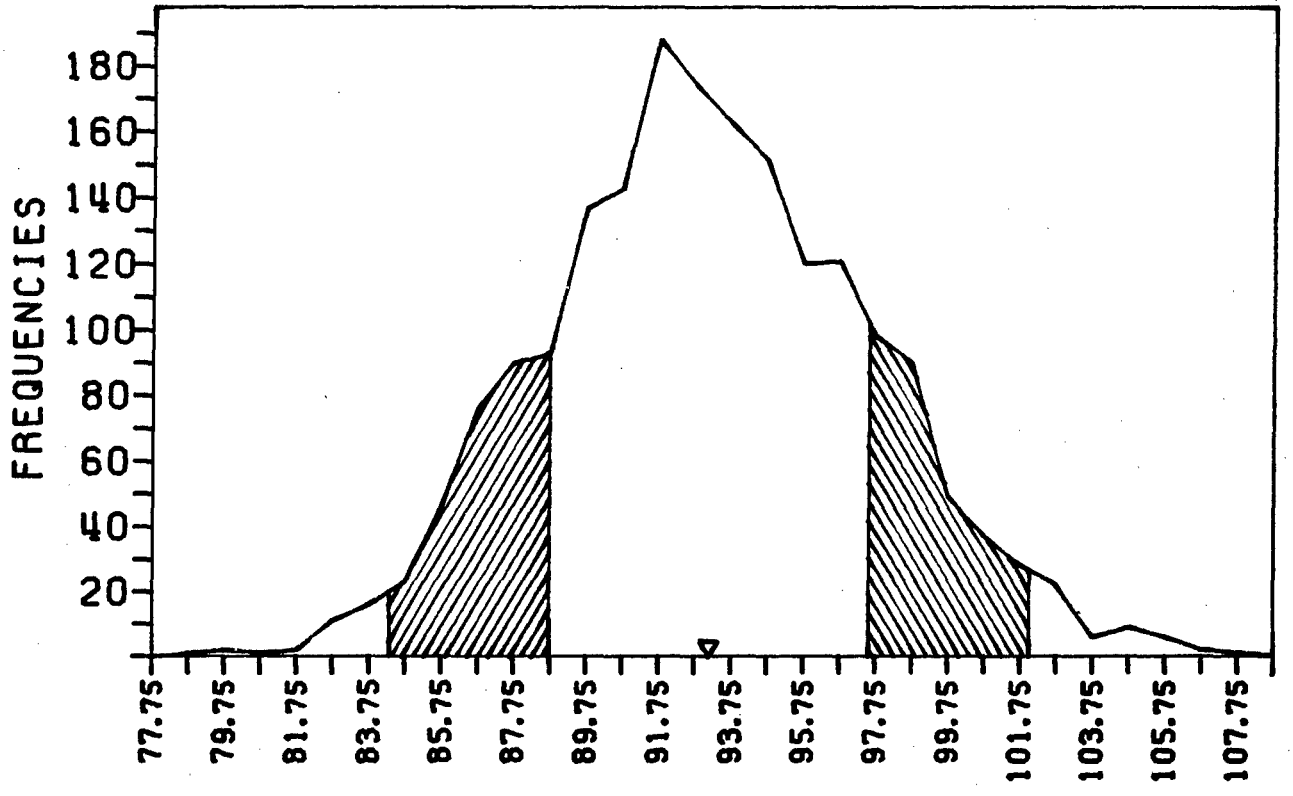
THE PERCENTILES

CENTIMETERS		INCHES
111.16	99TH	43.76
109.84	98TH	43.24
109.01	97TH	42.92
107.88	95TH	42.47
106.15	90TH	41.79
104.99	85TH	41.33
104.07	80TH	40.97
103.28	75TH	40.66
102.58	70TH	40.38
101.93	65TH	40.13
101.32	60TH	39.89
100.73	55TH	39.66
100.14	50TH	39.43
99.57	45TH	39.20
98.99	40TH	38.97
98.39	35TH	38.74
97.77	30TH	38.49
97.10	25TH	38.23
96.37	20TH	37.94
95.53	15TH	37.61
94.50	10TH	37.21
93.06	5TH	36.64
92.17	3RD	36.29
91.55	2ND	36.04
90.65	1ST	35.69

(14) ABDOMINAL EXTENSION HEIGHT

Subject stands erect looking straight ahead, heels together, and weight distributed equally on both feet. With an anthropometer, measure the vertical distance from the standing surface to the abdominal extension landmark.





RANGES*	F	CUMF	FPCT	CUMPCT
107.25-108.25	1	1905	0.05	100.00
106.25-107.25	2	1904	0.10	99.95
105.25-106.25	6	1902	0.31	99.84
104.25-105.25	9	1896	0.47	99.53
103.25-104.25	6	1887	0.31	99.06
102.25-103.25	22	1881	1.15	98.74
101.25-102.25	28	1859	1.47	97.59
100.25-101.25	37	1831	1.94	96.12
99.25-100.25	49	1794	2.57	94.17
98.25- 99.25	90	1745	4.72	91.60
97.25- 98.25	98	1655	5.14	86.88
96.25- 97.25	121	1557	6.35	81.73
95.25- 96.25	120	1436	6.30	75.38
94.25- 95.25	151	1316	7.93	69.08
93.25- 94.25	162	1165	8.50	61.15
92.25- 93.25	174	1003	9.13	52.65
91.25- 92.25	188	829	9.87	43.52
90.25- 91.25	143	641	7.51	33.65
89.25- 90.25	137	498	7.19	26.14
88.25- 89.25	93	361	4.88	18.95
87.25- 88.25	90	268	4.72	14.07
86.25- 87.25	76	178	3.99	9.34
85.25- 86.25	46	102	2.41	5.35
84.25- 85.25	23	56	1.21	2.94
83.25- 84.25	16	33	0.84	1.73
82.25- 83.25	11	17	0.58	0.89
81.25- 82.25	2	6	0.10	0.31
80.25- 81.25	1	4	0.05	0.21
79.25- 80.25	2	3	0.10	0.16
78.25- 79.25	1	1	0.05	0.05

*IN CENTIMETERS

CENTIMETERS		INCHES
93.15	MEAN VALUE	36.67
0.10	SE(MEAN)	0.04
4.42	SD DEVIATION	1.74
0.07	SE(SD DEV)	0.03

****

SYMMETRY---VETA I = 0.15
KURTOSIS---VETA II = 2.89
COEF. OF VARIATION = 4.7%

****

NUMBER OF SUBJECTS = 1905

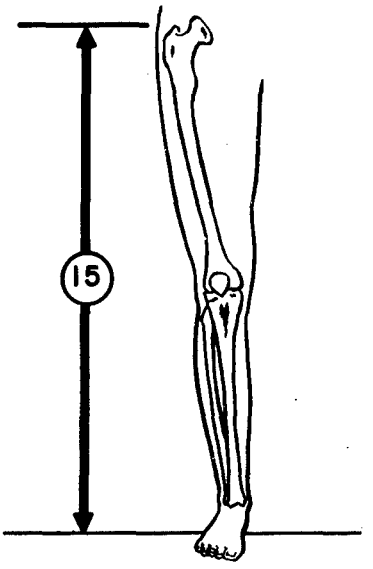
****

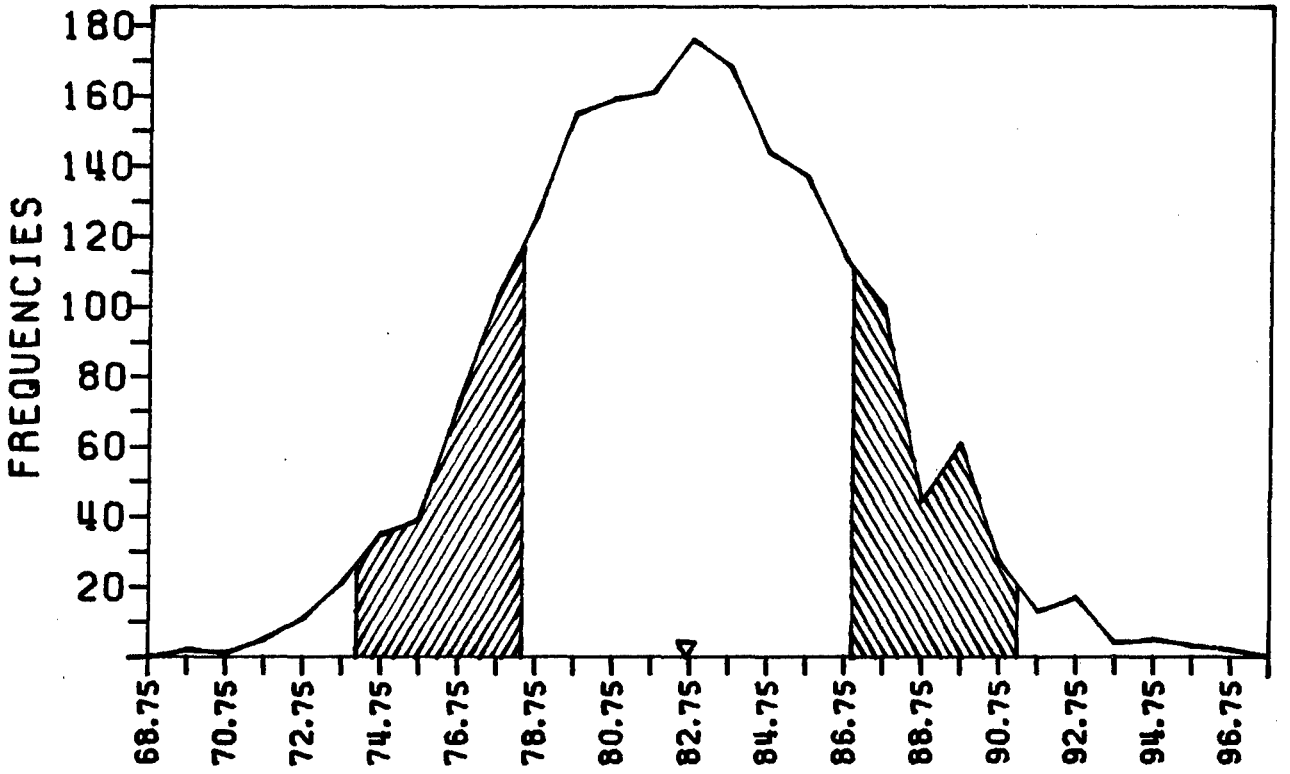
THE PERCENTILES

CENTIMETERS		INCHES
104.01	99TH	40.95
102.69	98TH	40.43
101.85	97TH	40.10
100.72	95TH	39.65
98.97	90TH	38.97
97.80	85TH	38.51
96.89	80TH	38.14
96.10	75TH	37.84
95.40	70TH	37.56
94.76	65TH	37.31
94.16	60TH	37.07
93.58	55TH	36.84
93.02	50TH	36.62
92.45	45TH	36.40
91.89	40TH	36.18
91.31	35TH	35.95
90.71	30TH	35.71
90.06	25TH	35.46
89.35	20TH	35.18
88.54	15TH	34.86
87.52	10TH	34.46
86.06	5TH	33.88
85.14	3RD	33.52
84.47	2ND	33.26
83.44	1ST	32.85

(15) TROCHANTERIC HEIGHT

Subject stands erect looking straight ahead, heels together, and weight distributed equally on both feet. With an anthropometer, measure the vertical distance from the standing surface to the right trochanteric landmark.





RANGES*	F	CUMF	FPCT	CUMPCT
96.25- 97.25	2	1905	0.10	100.00
95.25- 96.25	3	1903	0.16	99.90
94.25- 95.25	5	1900	0.26	99.74
93.25- 94.25	4	1895	0.21	99.48
92.25- 93.25	17	1891	0.89	99.27
91.25- 92.25	13	1874	0.68	98.37
90.25- 91.25	27	1861	1.42	97.69
89.25- 90.25	61	1834	3.20	96.27
88.25- 89.25	44	1773	2.31	93.07
87.25- 88.25	100	1729	5.25	90.76
86.25- 87.25	114	1629	5.98	85.51
85.25- 86.25	137	1515	7.19	79.53
84.25- 85.25	144	1378	7.56	72.34
83.25- 84.25	168	1234	8.82	64.78
82.25- 83.25	176	1066	9.24	55.96
81.25- 82.25	161	890	8.45	46.72
80.25- 81.25	159	729	8.35	38.27
79.25- 80.25	155	570	8.14	29.92
78.25- 79.25	126	415	6.61	21.78
77.25- 78.25	103	289	5.41	15.17
76.25- 77.25	72	186	3.78	9.76
75.25- 76.25	39	114	2.05	5.98
74.25- 75.25	35	75	1.84	3.94
73.25- 74.25	21	40	1.10	2.10
72.25- 73.25	11	19	0.58	1.00
71.25- 72.25	5	8	0.26	0.42
70.25- 71.25	1	3	0.05	0.16
69.25- 70.25	2	2	0.10	0.10

*IN CENTIMETERS

CENTIMETERS		INCHES
82.67	MEAN VALUE	32.55
0.10	SE(MEAN)	0.04
4.27	SD DEVIATION	1.68
0.07	SE(SD DEV)	0.03

****

SYMMETRY---VETA I = 0.12
KURTOSIS---VETA II = 2.86
COEF. OF VARIATION = 5.2%

****

NUMBER OF SUBJECTS = 1905

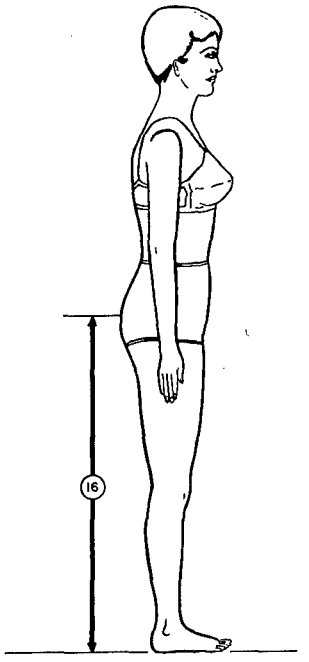
****

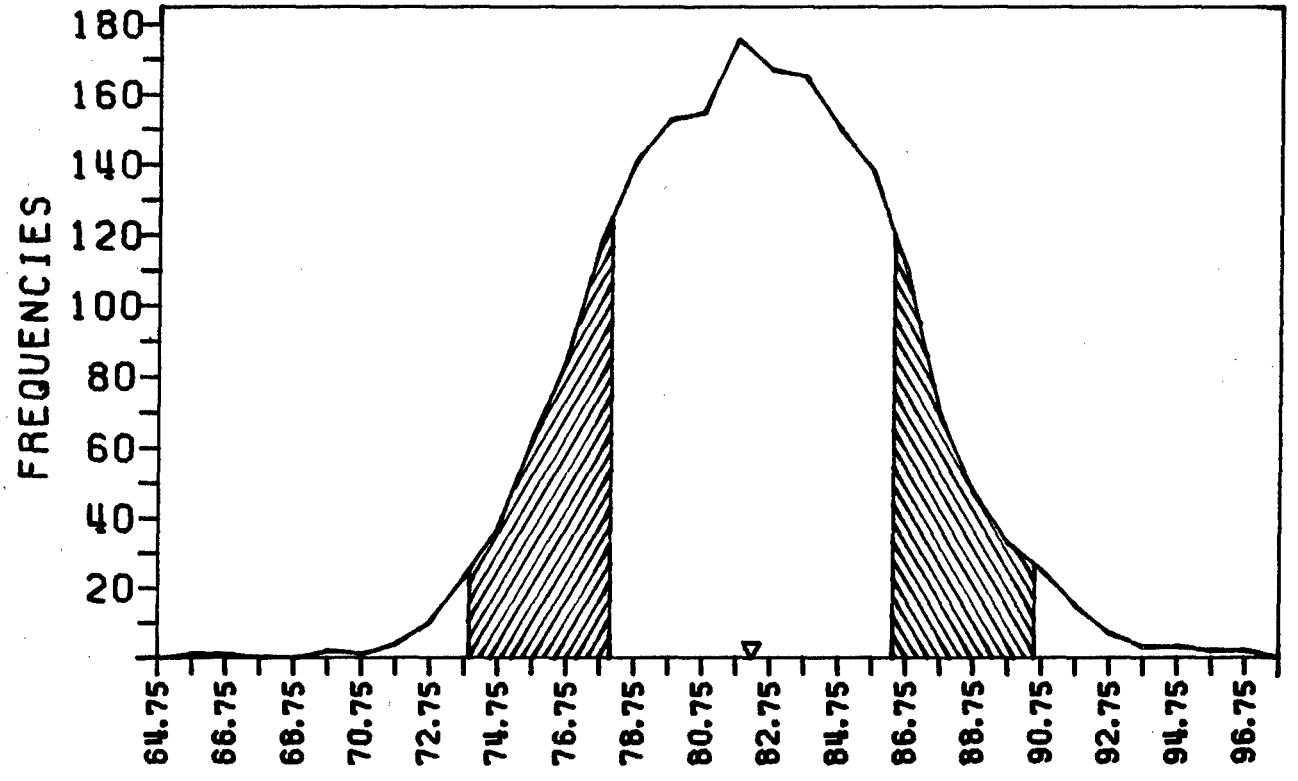
THE PERCENTILES

CENTIMETERS		INCHES
92.92	99TH	36.58
91.67	98TH	36.09
90.88	97TH	35.78
89.82	95TH	35.36
88.21	90TH	34.73
87.13	85TH	34.30
86.28	80TH	33.97
85.54	75TH	33.68
84.88	70TH	33.42
84.28	65TH	33.18
83.70	60TH	32.95
83.15	55TH	32.73
82.60	50TH	32.52
82.05	45TH	32.30
81.50	40TH	32.09
80.93	35TH	31.86
80.34	30TH	31.63
79.70	25TH	31.38
78.99	20TH	31.10
78.17	15TH	30.78
77.16	10TH	30.38
75.72	5TH	29.81
74.82	3RD	29.46
74.18	2ND	29.21
73.24	1ST	28.83

(16) BUTTOCK HEIGHT

Subject stands erect looking straight ahead, heels together, and weight distributed equally on both feet. With an anthropometer, measure the vertical distance from the standing surface to the buttock landmark.





RANGES*	F	CUMF	FPCT	CUMPCT
96.25- 97.25	2	1905	0.10	100.00
95.25- 96.25	2	1903	0.10	99.90
94.25- 95.25	3	1901	0.16	99.79
93.25- 94.25	3	1898	0.16	99.63
92.25- 93.25	7	1895	0.37	99.48
91.25- 92.25	15	1888	0.79	99.11
90.25- 91.25	25	1873	1.31	98.32
89.25- 90.25	33	1848	1.73	97.01
88.25- 89.25	47	1815	2.47	95.28
87.25- 88.25	69	1768	3.62	92.81
86.25- 87.25	110	1699	5.77	89.19
85.25- 86.25	138	1589	7.24	83.41
84.25- 85.25	150	1451	7.87	76.17
83.25- 84.25	165	1301	8.66	68.29
82.25- 83.25	167	1136	8.77	59.63
81.25- 82.25	176	969	9.24	50.87
80.25- 81.25	155	793	8.14	41.63
79.25- 80.25	153	638	8.03	33.49
78.25- 79.25	141	485	7.40	25.46
77.25- 78.25	118	344	6.19	18.06
76.25- 77.25	85	226	4.46	11.86
75.25- 76.25	62	141	3.25	7.40
74.25- 75.25	37	79	1.94	4.15
73.25- 74.25	23	42	1.21	2.20
72.25- 73.25	10	19	0.52	1.00
71.25- 72.25	4	9	0.21	0.47
70.25- 71.25	1	5	0.05	0.26
69.25- 70.25	2	4	0.10	0.21
68.25- 69.25	0	2	0.00	0.10
67.25- 68.25	0	2	0.00	0.10
66.25- 67.25	1	2	0.05	0.10
65.25- 66.25	1	1	0.05	0.05

*IN CENTIMETERS

CENTIMETERS		INCHES
82.21	MEAN VALUE	32.37
0.10	SE(MEAN)	0.04
4.16	SD DEVIATION	1.64
0.07	SE(SD DEV)	0.03

****

SYMMETRY---VETA I = 0.09
KURTOSIS---VETA II = 3.03
COEF. OF VARIATION = 5.1%

****

NUMBER OF SUBJECTS = 1905

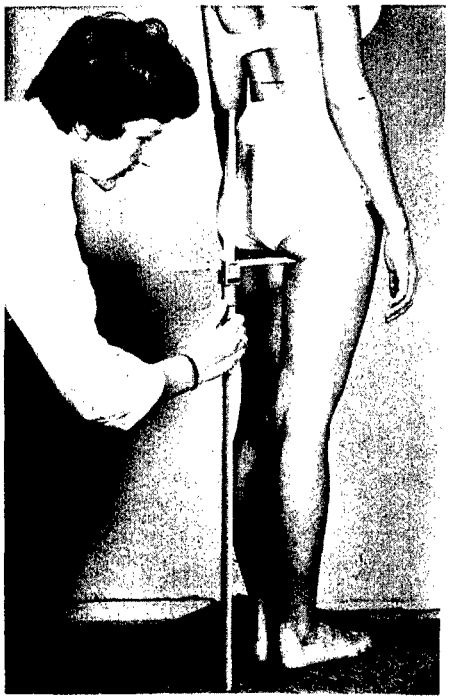
****

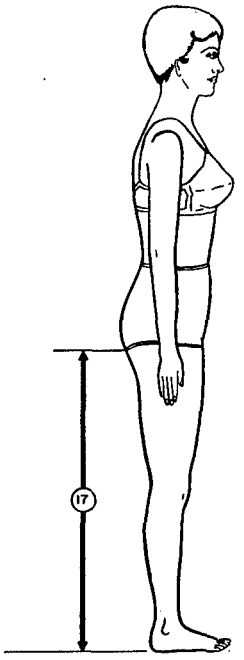
THE PERCENTILES

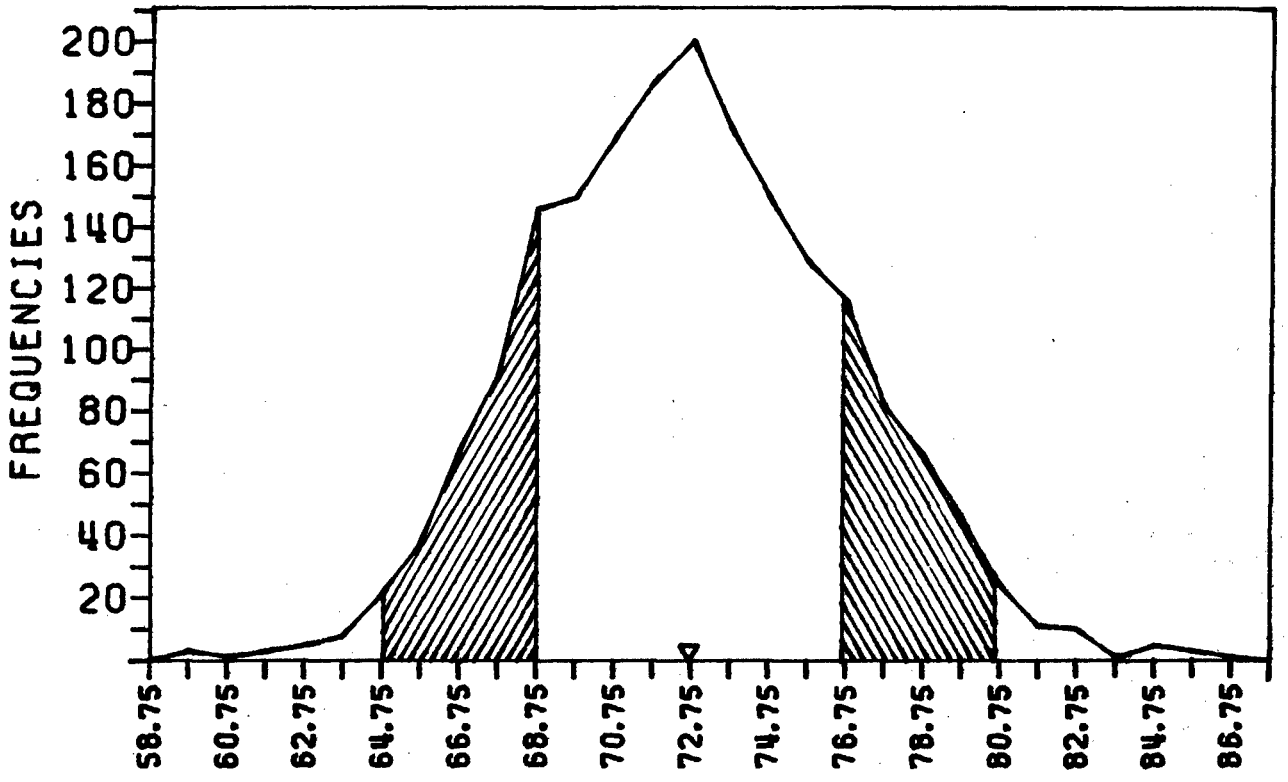
CENTIMETERS		INCHES
92.14	99TH	36.28
90.94	98TH	35.80
90.19	97TH	35.51
89.18	95TH	35.11
87.63	90TH	34.50
86.59	85TH	34.09
85.76	80TH	33.76
85.04	75TH	33.48
84.40	70TH	33.23
83.80	65TH	32.99
83.23	60TH	32.77
82.69	55TH	32.55
82.14	50TH	32.34
81.60	45TH	32.13
81.05	40TH	31.91
80.49	35TH	31.69
79.90	30TH	31.46
79.27	25TH	31.21
78.56	20TH	30.93
77.77	15TH	30.62
76.79	10TH	30.23
75.43	5TH	29.70
74.62	3RD	29.38
74.07	2ND	29.16
73.30	1ST	28.86

(17) GLUTEAL FURROW HEIGHT

Subject stands erect looking straight ahead, heels together, and weight distributed equally on both feet. With an anthropometer, measure the vertical distance from the standing surface to the lowest point on the right gluteal furrow.







RANGES*	F	CUMF	FPCT	CUMPCT
86.25- 87.25	1	1905	0.05	100.00
85.25- 86.25	3	1904	0.16	99.95
84.25- 85.25	5	1901	0.26	99.79
83.25- 84.25	1	1896	0.05	99.53
82.25- 83.25	10	1895	0.52	99.48
81.25- 82.25	11	1885	0.58	98.95
80.25- 81.25	24	1874	1.26	98.37
79.25- 80.25	46	1850	2.41	97.11
78.25- 79.25	66	1804	3.46	94.70
77.25- 78.25	82	1738	4.30	91.23
76.25- 77.25	116	1656	6.09	86.93
75.25- 76.25	129	1540	6.77	80.84
74.25- 75.25	150	1411	7.87	74.07
73.25- 74.25	172	1261	9.03	66.19
72.25- 73.25	200	1089	10.50	57.17
71.25- 72.25	187	889	9.82	46.67
70.25- 71.25	169	702	8.87	36.85
69.25- 70.25	150	533	7.87	27.98
68.25- 69.25	146	383	7.66	20.10
67.25- 68.25	92	237	4.83	12.44
66.25- 67.25	67	145	3.52	7.61
65.25- 66.25	37	78	1.94	4.09
64.25- 65.25	21	41	1.10	2.15
63.25- 64.25	8	20	0.42	1.05
62.25- 63.25	5	12	0.26	0.63
61.25- 62.25	3	7	0.16	0.37
60.25- 61.25	1	4	0.05	0.21
59.25- 60.25	3	3	0.16	0.16

*IN CENTIMETERS

CENTIMETERS		INCHES
72.70	MEAN VALUE	28.62
0.09	SE(MEAN)	0.04
3.96	SD DEVIATION	1.56
0.06	SE(SD DEV)	0.03

****

SYMMETRY---VETA I = 0.15
KURTOSIS---VETA II = 3.01
COEF. OF VARIATION = 5.4%

****

NUMBER OF SUBJECTS = 1905

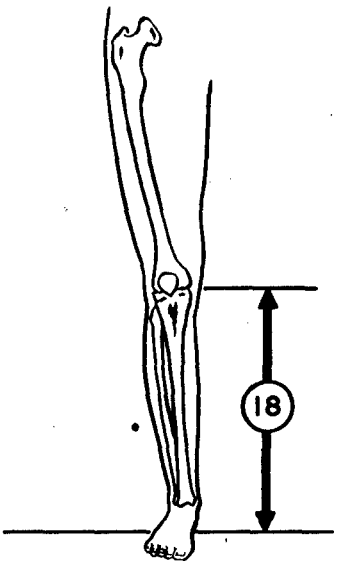
****

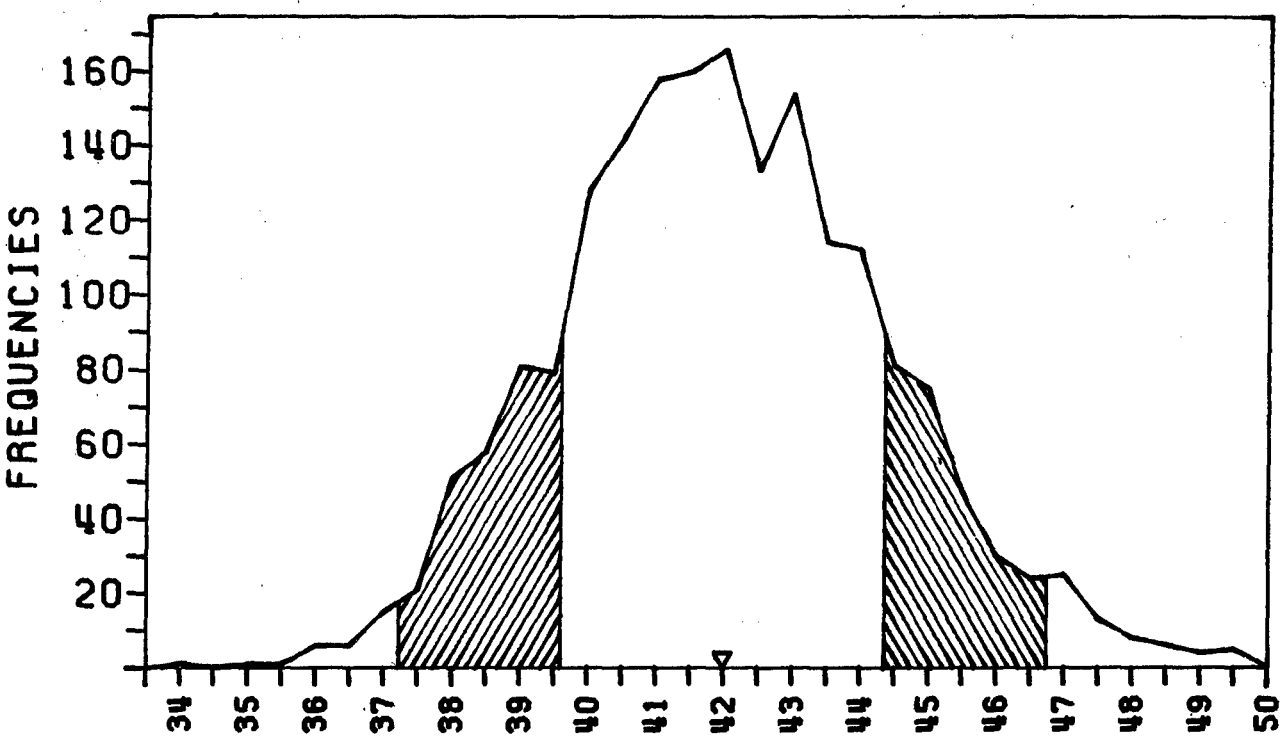
THE PERCENTILES

CENTIMETERS		INCHES
82.18	99TH	32.35
81.09	98TH	31.92
80.38	97TH	31.65
79.40	95TH	31.26
77.88	90TH	30.66
76.85	85TH	30.26
76.04	80TH	29.94
75.34	75TH	29.66
74.71	70TH	29.41
74.14	65TH	29.19
73.60	60TH	28.98
73.08	55TH	28.77
72.57	50TH	28.57
72.07	45TH	28.37
71.56	40TH	28.18
71.05	35TH	27.97
70.51	30TH	27.76
69.94	25TH	27.53
69.31	20TH	27.29
68.59	15TH	27.00
67.70	10TH	26.65
66.44	5TH	26.16
65.65	3RD	25.84
65.08	2ND	25.62
64.21	1ST	25.28

(18) TIBIALE HEIGHT

Subject stands erect, heels together, and weight distributed equally on both feet. With an anthropometer, measure the vertical distance from the standing surface to the tibiale landmark on the right leg.





RANGES*	F	CUMF	FPCT	CUMPCT
49.25- 49.75	5	1905	0.26	100.00
48.75- 49.25	4	1900	0.21	99.74
48.25- 48.75	6	1896	0.31	99.53
47.75- 48.25	8	1890	0.42	99.21
47.25- 47.75	13	1882	0.68	98.79
46.75- 47.25	25	1869	1.31	98.11
46.25- 46.75	24	1844	1.26	96.80
45.75- 46.25	30	1820	1.57	95.54
45.25- 45.75	47	1790	2.47	93.96
44.75- 45.25	75	1743	3.94	91.50
44.25- 44.75	81	1668	4.25	87.56
43.75- 44.25	112	1587	5.88	83.31
43.25- 43.75	114	1475	5.98	77.43
42.75- 43.25	154	1361	8.08	71.44
42.25- 42.75	133	1207	6.98	63.36
41.75- 42.25	166	1074	8.71	56.38
41.25- 41.75	160	908	8.40	47.66
40.75- 41.25	158	748	8.29	39.27
40.25- 40.75	142	590	7.45	30.97
39.75- 40.25	128	448	6.72	23.52
39.25- 39.75	79	320	4.15	16.80
38.75- 39.25	81	241	4.25	12.65
38.25- 38.75	58	160	3.04	8.40
37.75- 38.25	51	102	2.68	5.35
37.25- 37.75	21	51	1.10	2.68
36.75- 37.25	15	30	0.79	1.57
36.25- 36.75	6	15	0.31	0.79
35.75- 36.25	6	9	0.31	0.47
35.25- 35.75	1	3	0.05	0.16
34.75- 35.25	1	2	0.05	0.10
34.25- 34.75	0	1	0.00	0.05
33.75- 34.25	1	1	0.05	0.05

*IN CENTIMETERS

CENTIMETERS		INCHES
41.98	MEAN VALUE	16.53
0.05	SE(MEAN)	0.02
2.38	SD DEVIATION	0.94
0.04	SE(SD DEV)	0.02

****

SYMMETRY---VETA I = 0.22
KURTOSIS---VETA II = 3.01
COEF. OF VARIATION = 5.7%

****

NUMBER OF SUBJECTS = 1905

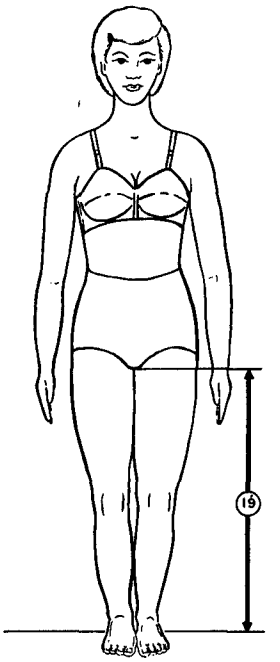
****

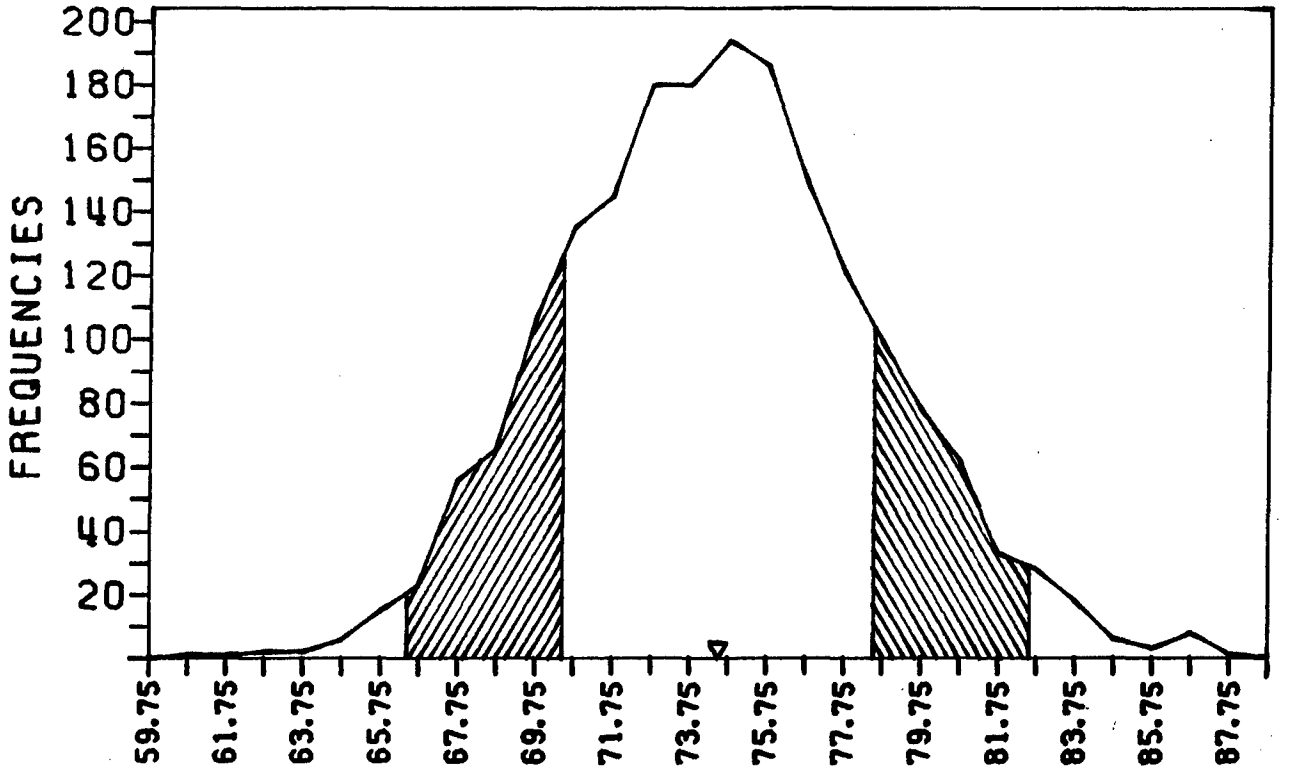
THE PERCENTILES

CENTIMETERS		INCHES
48.02	99TH	18.90
47.23	98TH	18.59
46.74	97TH	18.40
46.09	95TH	18.14
45.11	90TH	17.76
44.46	85TH	17.51
43.97	80TH	17.31
43.54	75TH	17.14
43.17	70TH	16.99
42.82	65TH	16.86
42.50	60TH	16.73
42.19	55TH	16.61
41.89	50TH	16.49
41.59	45TH	16.38
41.30	40TH	16.26
40.99	35TH	16.14
40.67	30TH	16.01
40.33	25TH	15.88
39.95	20TH	15.73
39.53	15TH	15.56
39.00	10TH	15.35
38.24	5TH	15.05
37.76	3RD	14.87
37.42	2ND	14.73
36.90	1ST	14.53

(19) CROTCH HEIGHT

Subject stands erect looking straight ahead, heels approximately 10 cm apart, and weight distributed equally on both feet. The measurer holds the anthropometer in front of the subject and requests her to raise the arm of the anthropometer up into the crotch until contact is made. The vertical distance from the standing surface to that level is then recorded.





RANGES*	F	CUMF	FPCT	CUMPCT
87.25- 88.25	1	1905	0.05	100.00
86.25- 87.25	8	1904	0.42	99.95
85.25- 86.25	3	1896	0.16	99.53
84.25- 85.25	6	1893	0.31	99.37
83.25- 84.25	18	1887	0.94	99.06
82.25- 83.25	28	1869	1.47	98.11
81.25- 82.25	33	1841	1.73	96.64
80.25- 81.25	62	1808	3.25	94.91
79.25- 80.25	78	1746	4.09	91.65
78.25- 79.25	99	1668	5.20	87.56
77.25- 78.25	121	1569	6.35	82.36
76.25- 77.25	150	1448	7.87	76.01
75.25- 76.25	186	1298	9.76	68.14
74.25- 75.25	194	1112	10.18	58.37
73.25- 74.25	180	918	9.45	48.19
72.25- 73.25	180	738	9.45	38.74
71.25- 72.25	145	558	7.61	29.29
70.25- 71.25	135	413	7.09	21.68
69.25- 70.25	106	278	5.56	14.59
68.25- 69.25	66	172	3.46	9.03
67.25- 68.25	56	106	2.94	5.56
66.25- 67.25	23	50	1.21	2.62
65.25- 66.25	15	27	0.79	1.42
64.25- 65.25	6	12	0.31	0.63
63.25- 64.25	2	6	0.10	0.31
62.25- 63.25	2	4	0.10	0.21
61.25- 62.25	1	2	0.05	0.10
60.25- 61.25	1	1	0.05	0.05

*IN CENTIMETERS

CENTIMETERS		INCHES
74.50	MEAN VALUE	29.33
0.09	SE(MEAN)	0.04
4.03	SD DEVIATION	1.59
0.07	SE(SD DEV)	0.03

****

SYMMETRY---VETA I = 0.17
KURTOSIS---VETA II = 3.00
COEF. OF VARIATION = 5.4%

****

NUMBER OF SUBJECTS = 1905

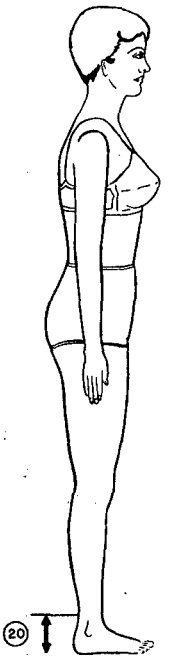
****

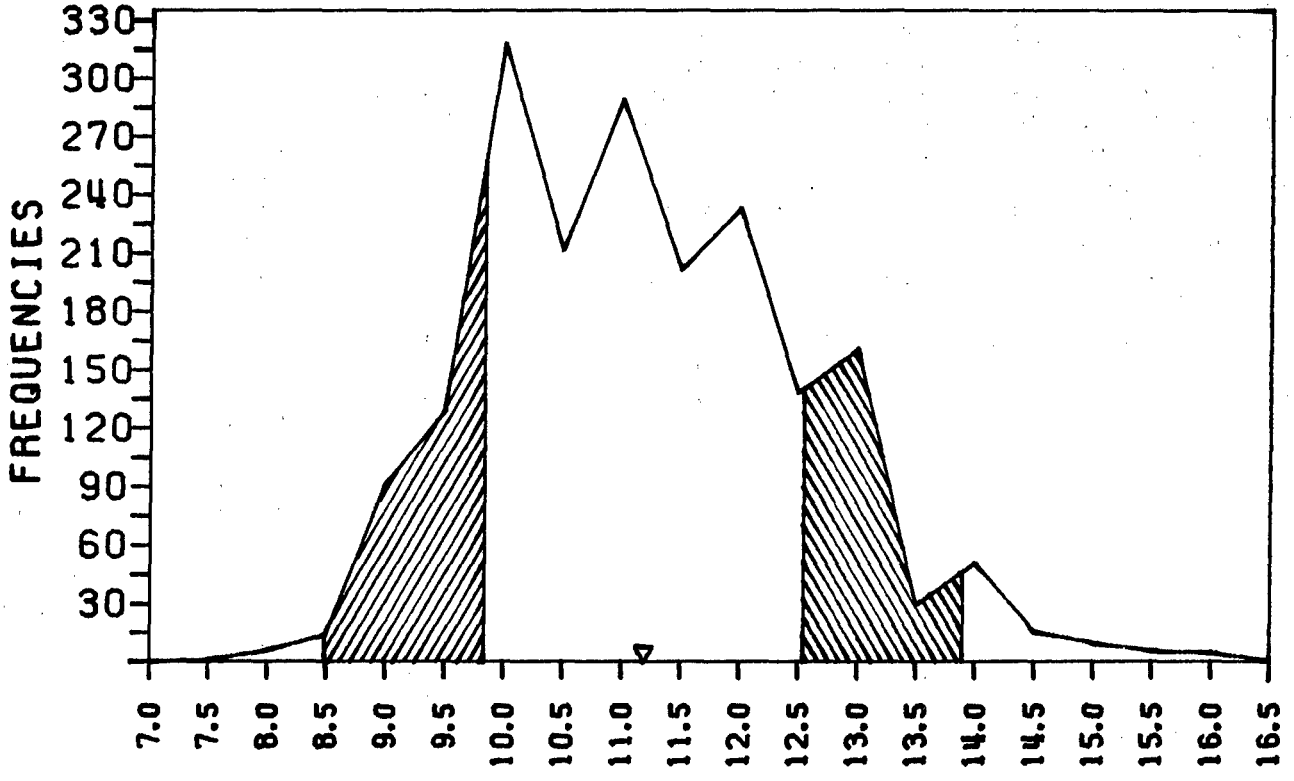
THE PERCENTILES

CENTIMETERS		INCHES
84.25	99TH	33.17
83.13	98TH	32.73
82.39	97TH	32.44
81.38	95TH	32.04
79.81	90TH	31.42
78.75	85TH	31.00
77.91	80TH	30.67
77.19	75TH	30.39
76.55	70TH	30.14
75.96	65TH	29.91
75.41	60TH	29.69
74.89	55TH	29.48
74.37	50TH	29.28
73.86	45TH	29.08
73.35	40TH	28.88
72.83	35TH	28.67
72.28	30TH	28.46
71.70	25TH	28.23
71.07	20TH	27.98
70.34	15TH	27.69
69.44	10TH	27.34
68.13	5TH	26.82
67.30	3RD	26.50
66.70	2ND	26.26
65.75	1ST	25.88

(20) ANKLE HEIGHT

Subject stands with weight distributed equally on both feet. With the special measuring block, measure the vertical distance from the standing surface to the ankle landmark on the right leg.





RANGES*		F	CUMF	FPCT	CUMPCT
15.75-	16.25	4	1905	0.21	100.00
15.25-	15.75	5	1901	0.26	99.79
14.75-	15.25	9	1896	0.47	99.53
14.25-	14.75	15	1887	0.79	99.06
13.75-	14.25	51	1872	2.68	98.27
13.25-	13.75	29	1821	1.52	95.59
12.75-	13.25	161	1792	8.45	94.07
12.25-	12.75	138	1631	7.24	85.62
11.75-	12.25	233	1493	12.23	78.37
11.25-	11.75	201	1260	10.55	66.14
10.75-	11.25	289	1059	15.17	55.59
10.25-	10.75	211	770	11.08	40.42
9.75-	10.25	318	559	16.69	29.34
9.25-	9.75	129	241	6.77	12.65
8.75-	9.25	91	112	4.78	5.88
8.25-	8.75	14	21	0.73	1.10
7.75-	8.25	6	7	0.31	0.37
7.25-	7.75	1	1	0.05	0.05

*IN CENTIMETERS

CENTIMETERS		INCHES
11.19	MEAN VALUE	4.40
0.03	SE(MEAN)	0.01
1.35	SD DEVIATION	0.53
0.02	SE(SD DEV)	0.01

****

SYMMETRY---VETA I = 0.43
KURTOSIS---VETA II = 2.96
COEF. OF VARIATION = 12.1%

****

NUMBER OF SUBJECTS = 1905

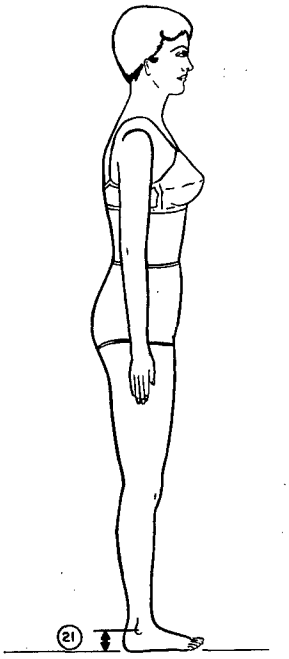
****

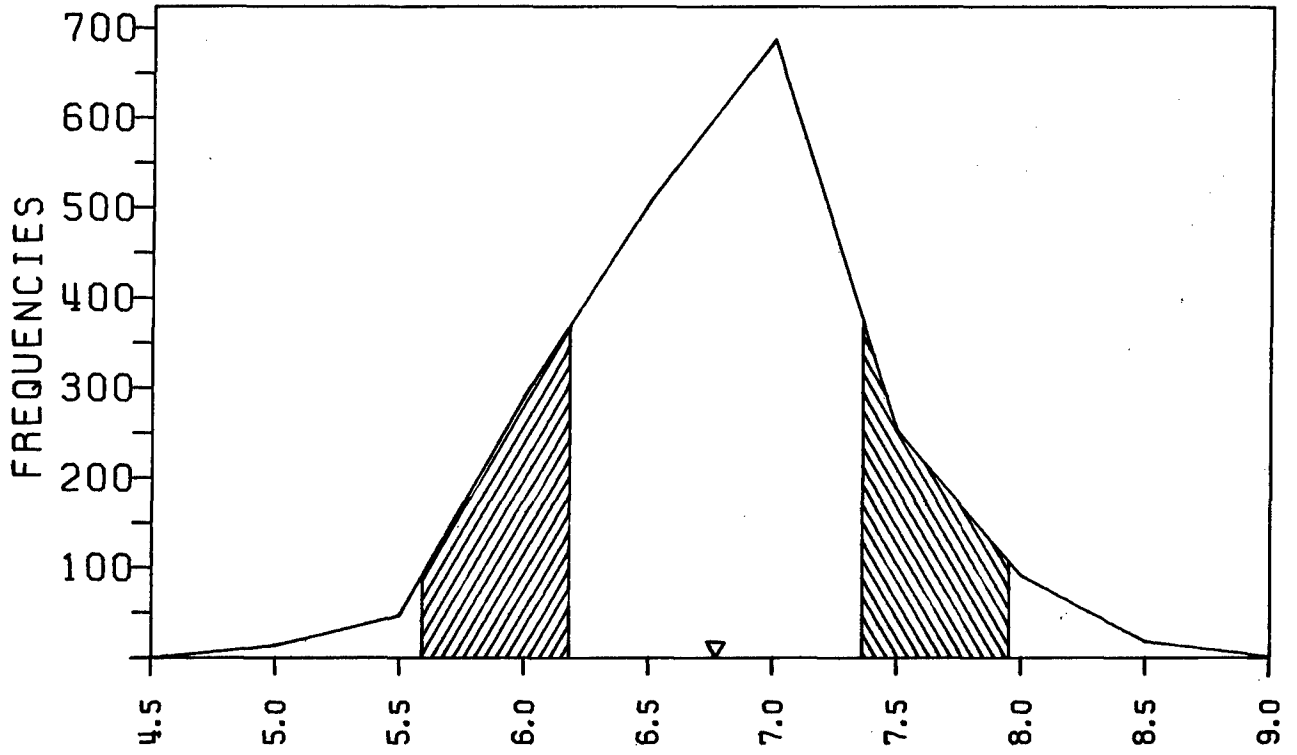
THE PERCENTILES

CENTIMETERS		INCHES
14.67	99TH	5.77
14.26	98TH	5.61
13.99	97TH	5.51
13.62	95TH	5.36
13.04	90TH	5.14
12.66	85TH	4.98
12.35	80TH	4.86
12.09	75TH	4.76
11.86	70TH	4.67
11.65	65TH	4.59
11.45	60TH	4.51
11.26	55TH	4.43
11.08	50TH	4.36
10.90	45TH	4.29
10.73	40TH	4.22
10.55	35TH	4.15
10.37	30TH	4.08
10.18	25TH	4.01
9.97	20TH	3.93
9.75	15TH	3.84
9.49	10TH	3.74
9.15	5TH	3.60
8.97	3RD	3.53
8.85	2ND	3.48
8.69	1ST	3.42

(21) LATERAL MALLEOLUS HEIGHT

Subject stands with weight distributed equally on both feet. With the special measuring block, measure the vertical distance from the standing surface to the lateral malleolus landmark on the right leg.





RANGES*		F	CUMF	FPCT	CUMPCT
8.25-	8.75	17	1905	0.89	100.00
7.75-	8.25	90	1888	4.72	99.11
7.25-	7.75	252	1798	13.23	94.38
6.75-	7.25	687	1546	36.06	81.15
6.25-	6.75	507	859	26.61	45.09
5.75-	6.25	291	352	15.28	18.48
5.25-	5.75	47	61	2.47	3.20
4.75-	5.25	14	14	0.73	0.73

*IN CENTIMETERS

CENTIMETERS		INCHES
6.77	MEAN VALUE	2.67
0.01	SE(MEAN)	0.01
0.59	SD DEVIATION	0.23
0.01	SE(SD DEV)	0.00

****

SYMMETRY---VETA I = 0.04
KURTOSIS---VETA II = 3.23
COEF. OF VARIATION = 8.7%

****

NUMBER OF SUBJECTS = 1905

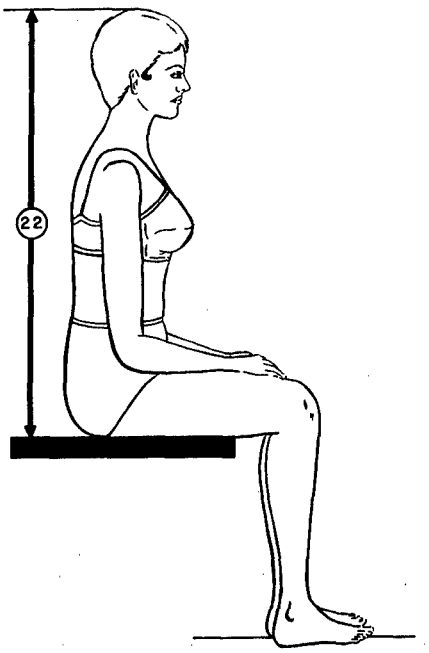
****

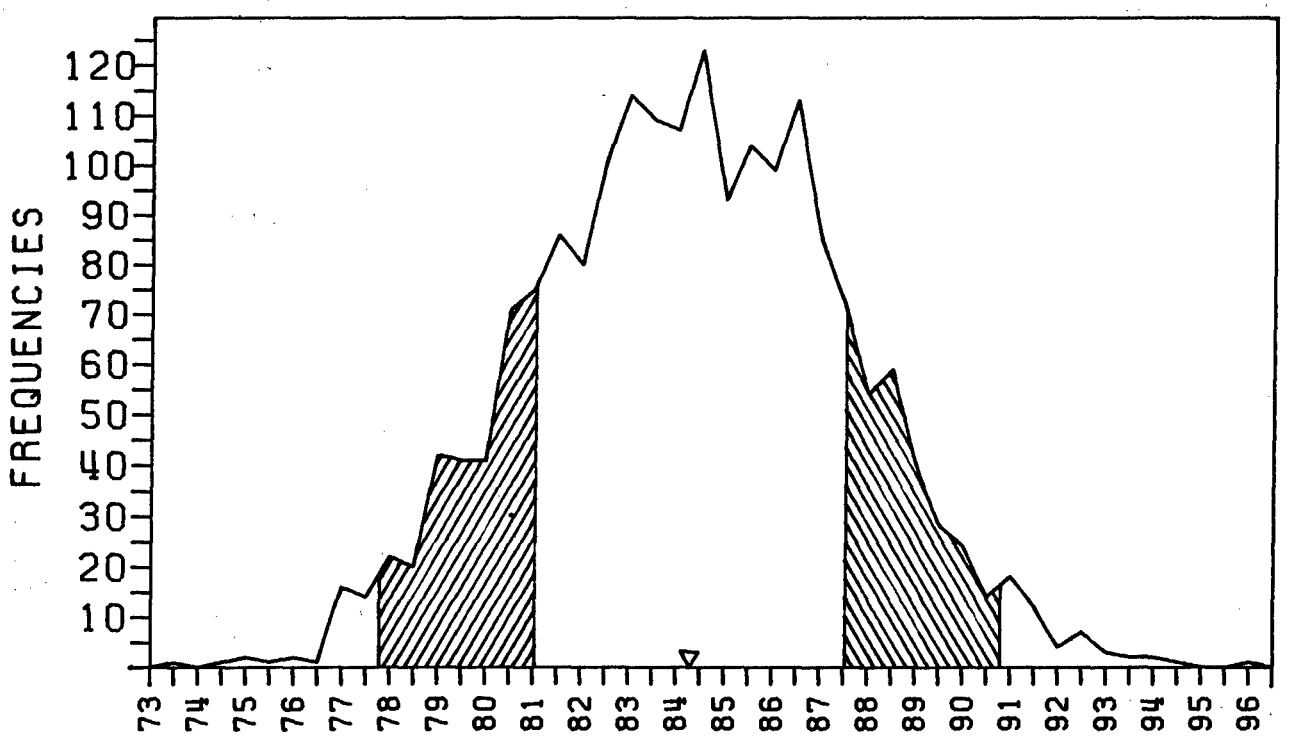
THE PERCENTILES

CENTIMETERS		INCHES
8.28	99TH	3.26
8.10	98TH	3.19
7.98	97TH	3.14
7.82	95TH	3.08
7.58	90TH	2.99
7.42	85TH	2.92
7.30	80TH	2.87
7.19	75TH	2.83
7.10	70TH	2.80
7.02	65TH	2.76
6.94	60TH	2.73
6.86	55TH	2.70
6.78	50TH	2.67
6.71	45TH	2.64
6.63	40TH	2.61
6.56	35TH	2.58
6.48	30TH	2.55
6.39	25TH	2.51
6.29	20TH	2.48
6.17	15TH	2.43
6.02	10TH	2.37
5.80	5TH	2.28
5.64	3RD	2.22
5.52	2ND	2.17
5.32	1ST	2.09

(22) SITTING HEIGHT, RELAXED

Subject sits relaxed with head in the Frankfort plane. With the arm of the anthropometer firmly touching the scalp, measure the vertical distance from the sitting surface to the top of the head.





RANGES*	F	CUMF	FPCT	CUMPCT
95.75- 96.25	1	1905	0.05	100.00
95.25- 95.75	0	1904	0.00	99.95
94.75- 95.25	0	1904	0.00	99.95
94.25- 94.75	1	1904	0.05	99.95
93.75- 94.25	2	1903	0.10	99.90
93.25- 93.75	2	1901	0.10	99.79
92.75- 93.25	3	1899	0.16	99.69
92.25- 92.75	7	1896	0.37	99.53
91.75- 92.25	4	1889	0.21	99.16
91.25- 91.75	12	1885	0.63	98.95
90.75- 91.25	18	1873	0.94	98.32
90.25- 90.75	14	1855	0.73	97.38
89.75- 90.25	24	1841	1.26	96.64
89.25- 89.75	28	1817	1.47	95.38
88.75- 89.25	40	1789	2.10	93.91
88.25- 88.75	59	1749	3.10	91.81
87.75- 88.25	54	1690	2.83	88.71
87.25- 87.75	72	1636	3.78	85.88
86.75- 87.25	85	1564	4.46	82.10
86.25- 86.75	113	1479	5.93	77.64
85.75- 86.25	99	1366	5.20	71.71
85.25- 85.75	104	1267	5.46	66.51
84.75- 85.25	93	1163	4.88	61.05
84.25- 84.75	123	1070	6.46	56.17
83.75- 84.25	107	947	5.62	49.71
83.25- 83.75	109	840	5.72	44.09
82.75- 83.25	114	731	5.98	38.37
82.25- 82.75	101	617	5.30	32.39
81.75- 82.25	80	516	4.20	27.09
81.25- 81.75	86	436	4.51	22.89
80.75- 81.25	75	350	3.94	18.37
80.25- 80.75	71	275	3.73	14.44
79.75- 80.25	41	204	2.15	10.71
79.25- 79.75	41	163	2.15	8.56
78.75- 79.25	42	122	2.20	6.40
78.25- 78.75	20	80	1.05	4.20
77.75- 78.25	22	60	1.15	3.15
77.25- 77.75	14	38	0.73	1.99
76.75- 77.25	16	24	0.84	1.26
76.25- 76.75	1	8	0.05	0.42
75.75- 76.25	2	7	0.10	0.37
75.25- 75.75	1	5	0.05	0.26
74.75- 75.25	2	4	0.10	0.21
74.25- 74.75	1	2	0.05	0.10
73.75- 74.25	0	1	0.00	0.05
73.25- 73.75	1	1	0.05	0.05

*IN CENTIMETERS

CENTIMETERS		INCHES
84.28	MEAN VALUE	33.18
0.07	SE(MEAN)	0.03
3.25	SD DEVIATION	1.28
0.05	SE(SD DEV)	0.02

****

SYMMETRY---VETA I = 0.05
KURTOSIS---VETA II = 2.87
COEF. OF VARIATION = 3.9%

****

NUMBER OF SUBJECTS = 1905

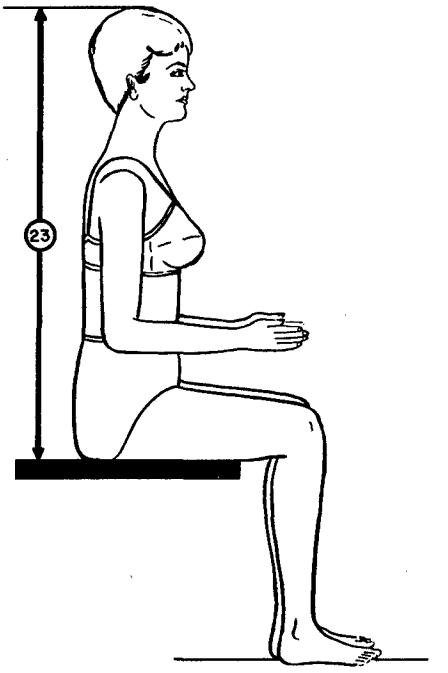
****

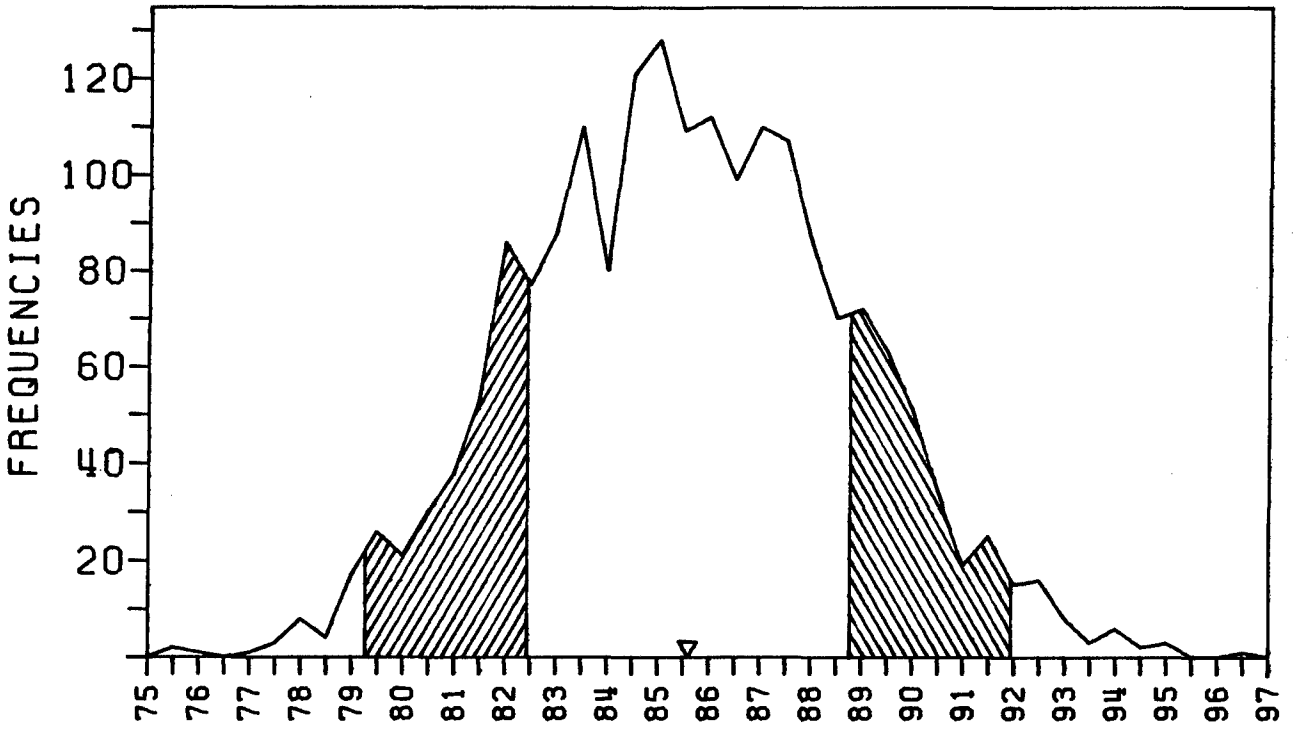
THE PERCENTILES

CENTIMETERS		INCHES
91.92	99TH	36.19
91.01	98TH	35.83
90.44	97TH	35.61
89.67	95TH	35.30
88.49	90TH	34.84
87.69	85TH	34.52
87.06	80TH	34.27
86.51	75TH	34.06
86.01	70TH	33.86
85.55	65TH	33.68
85.12	60TH	33.51
84.69	55TH	33.34
84.27	50TH	33.18
83.85	45TH	33.01
83.42	40TH	32.84
82.98	35TH	32.67
82.51	30TH	32.49
82.01	25TH	32.29
81.46	20TH	32.07
80.82	15TH	31.82
80.03	10TH	31.51
78.91	5TH	31.07
78.23	3RD	30.80
77.76	2ND	30.61
77.08	1ST	30.35

(23) SITTING HEIGHT

Subject sits erect, head in the Frankfort plane, upper arms hanging relaxed, forearms and hands extended forward horizontally. With the anthropometer arm firmly touching the scalp, measure the vertical distance from the sitting surface to the top of the head.





RANGES*	F	CUMF	FPCT	CUMPCT
96.25- 96.75	1	1905	0.05	100.00
95.75- 96.25	0	1904	0.00	99.95
95.25- 95.75	0	1904	0.00	99.95
94.75- 95.25	3	1904	0.16	99.95
94.25- 94.75	2	1901	0.10	99.79
93.75- 94.25	6	1899	0.31	99.69
93.25- 93.75	3	1893	0.16	99.37
92.75- 93.25	8	1890	0.42	99.21
92.25- 92.75	16	1882	0.84	98.79
91.75- 92.25	15	1866	0.79	97.95
91.25- 91.75	25	1851	1.31	97.17
90.75- 91.25	19	1826	1.00	95.85
90.25- 90.75	34	1807	1.78	94.86
89.75- 90.25	51	1773	2.68	93.07
89.25- 89.75	63	1722	3.31	90.39
88.75- 89.25	72	1659	3.78	87.09
88.25- 88.75	70	1587	3.67	83.31
87.75- 88.25	86	1517	4.51	79.63
87.25- 87.75	107	1431	5.62	75.12
86.75- 87.25	110	1324	5.77	69.50
86.25- 86.75	99	1214	5.20	63.73
85.75- 86.25	112	1115	5.88	58.53
85.25- 85.75	109	1003	5.72	52.65
84.75- 85.25	128	894	6.72	46.93
84.25- 84.75	121	766	6.35	40.21
83.75- 84.25	80	645	4.20	33.86
83.25- 83.75	110	565	5.77	29.66
82.75- 83.25	88	455	4.62	23.88
82.25- 82.75	77	367	4.04	19.27
81.75- 82.25	86	290	4.51	15.22
81.25- 81.75	53	204	2.78	10.71
80.75- 81.25	38	151	1.99	7.93
80.25- 80.75	30	113	1.57	5.93
79.75- 80.25	21	83	1.10	4.36
79.25- 79.75	26	62	1.36	3.25
78.75- 79.25	17	36	0.89	1.89
78.25- 78.75	4	19	0.21	1.00
77.75- 78.25	8	15	0.42	0.79
77.25- 77.75	3	7	0.16	0.37
76.75- 77.25	1	4	0.05	0.21
76.25- 76.75	0	3	0.00	0.16
75.75- 76.25	1	3	0.05	0.16
75.25- 75.75	2	2	0.10	0.10

*IN CENTIMETERS

CENTIMETERS		INCHES
85.60	MEAN VALUE	33.70
0.07	SE(MEAN)	0.03
3.17	SD DEVIATION	1.25
0.05	SE(SD DEV)	0.02

****

SYMMETRY---VETA I = 0.08
KURTOSIS---VETA II = 2.85
COEF. OF VARIATION = 3.7%

****

NUMBER OF SUBJECTS = 1905

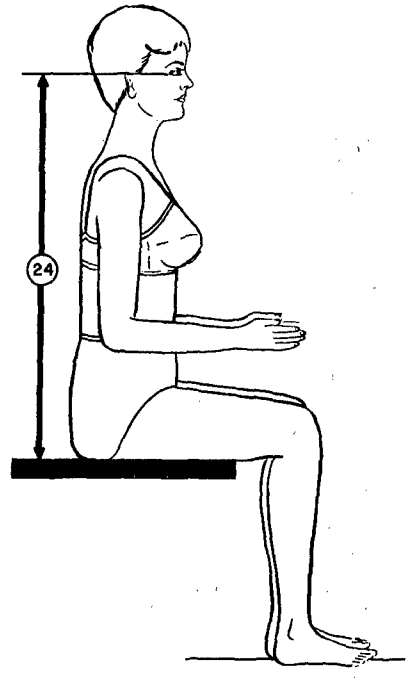
****

THE PERCENTILES

CENTIMETERS		INCHES
93.05	99TH	36.63
92.19	98TH	36.30
91.64	97TH	36.08
90.89	95TH	35.79
89.73	90TH	35.33
88.94	85TH	35.01
88.31	80TH	34.77
87.76	75TH	34.55
87.27	70TH	34.36
86.81	65TH	34.18
86.38	60TH	34.01
85.96	55TH	33.84
85.55	50TH	33.68
85.14	45TH	33.52
84.72	40TH	33.36
84.30	35TH	33.19
83.85	30TH	33.01
83.37	25TH	32.82
82.83	20TH	32.61
82.23	15TH	32.37
81.48	10TH	32.08
80.43	5TH	31.66
79.78	3RD	31.41
79.34	2ND	31.24
78.69	1ST	30.98

(24) EYE HEIGHT, SITTING

Subject sits erect, head in the Frankfort plane, upper arms hanging relaxed, forearms and hands extended forward horizontally. With an anthropometer, measure the vertical distance from the sitting surface to the right ectocanthus.



RANGES*	F	CUMF	FPCT	CUMPCT
82.75- 83.25	3	1905	0.16	100.00
82.25- 82.75	3	1902	0.16	99.84
81.75- 82.25	5	1899	0.26	99.69
81.25- 81.75	8	1894	0.42	99.42
80.75- 81.25	9	1886	0.47	99.00
80.25- 80.75	7	1877	0.37	98.53
79.75- 80.25	9	1870	0.47	98.16
79.25- 79.75	25	1861	1.31	97.69
78.75- 79.25	36	1836	1.89	96.38
78.25- 78.75	34	1800	1.78	94.49
77.75- 78.25	43	1766	2.26	92.70
77.25- 77.75	58	1723	3.04	90.45
76.75- 77.25	62	1665	3.25	87.40
76.25- 76.75	94	1603	4.93	84.15
75.75- 76.25	82	1509	4.30	79.21
75.25- 75.75	110	1427	5.77	74.91
74.75- 75.25	96	1317	5.04	69.13
74.25- 74.75	120	1221	6.30	64.09
73.75- 74.25	121	1101	6.35	57.80
73.25- 73.75	124	980	6.51	51.44
72.75- 73.25	105	856	5.51	44.93
72.25- 72.75	132	751	6.93	39.42
71.75- 72.25	110	619	5.77	32.49
71.25- 71.75	112	509	5.88	26.72
70.75- 71.25	85	397	4.46	20.84
70.25- 70.75	80	312	4.20	16.38
69.75- 70.25	46	232	2.41	12.18
69.25- 69.75	51	186	2.68	9.76
68.75- 69.25	31	135	1.63	7.09
68.25- 68.75	35	104	1.84	5.46
67.75- 68.25	29	69	1.52	3.62
67.25- 67.75	13	40	0.68	2.10
66.75- 67.25	9	27	0.47	1.42
66.25- 66.75	7	18	0.37	0.94
65.75- 66.25	3	11	0.16	0.58
65.25- 65.75	4	8	0.21	0.42
64.75- 65.25	2	4	0.10	0.21
64.25- 64.75	1	2	0.05	0.10
63.75- 64.25	1	1	0.05	0.05

*IN CENTIMETERS

CENTIMETERS		INCHES
73.70	MEAN VALUE	29.02
0.07	SE(MEAN)	0.03
3.06	SD DEVIATION	1.20
0.05	SE(SD DEV)	0.02

****

SYMMETRY---VETA I = 0.09
KURTOSIS---VETA II = 2.92
COEF. OF VARIATION = 4.1%

****

NUMBER OF SUBJECTS = 1905

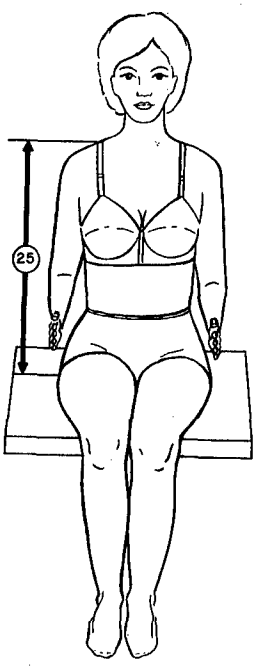
****

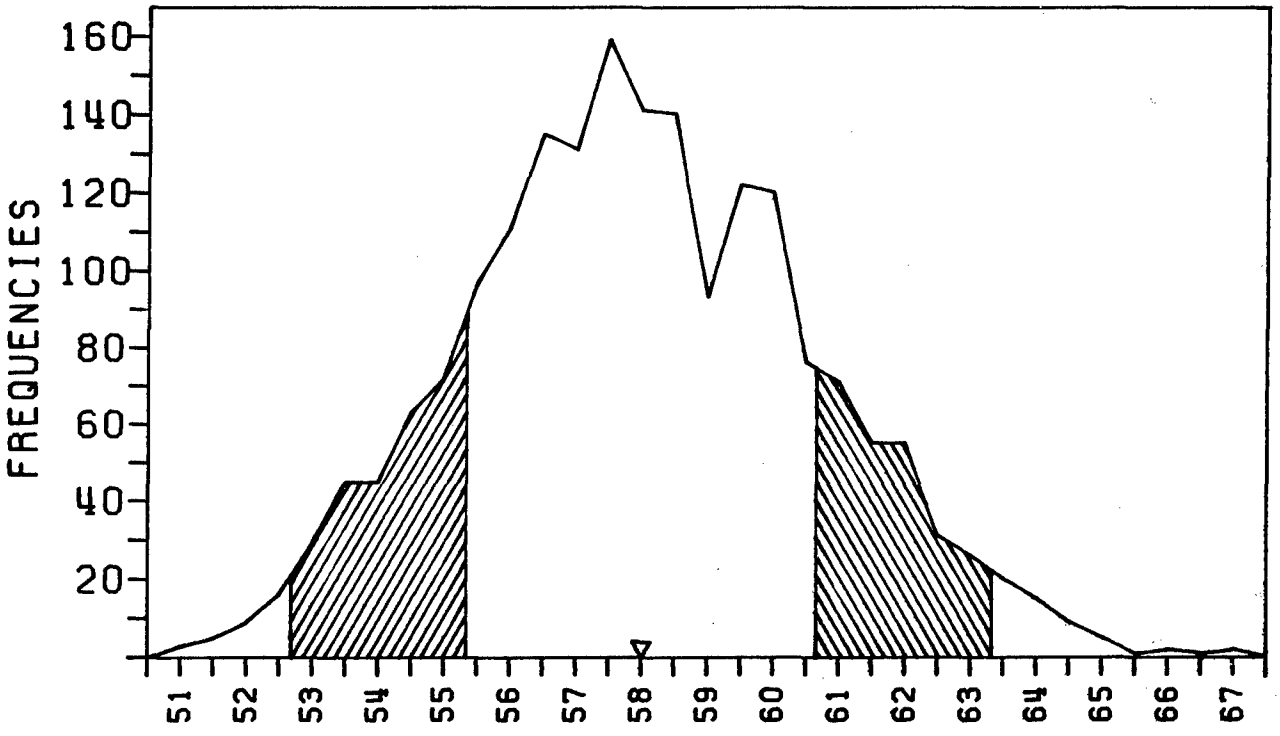
THE PERCENTILES

CENTIMETERS		INCHES
81.14	99TH	31.95
80.19	98TH	31.57
79.60	97TH	31.34
78.82	95TH	31.03
77.65	90TH	30.57
76.87	85TH	30.26
76.26	80TH	30.02
75.74	75TH	29.82
75.27	70TH	29.64
74.84	65TH	29.47
74.44	60TH	29.31
74.05	55TH	29.15
73.66	50TH	29.00
73.27	45TH	28.85
72.88	40TH	28.69
72.48	35TH	28.54
72.06	30TH	28.37
71.60	25TH	28.19
71.09	20TH	27.99
70.51	15TH	27.76
69.78	10TH	27.47
68.72	5TH	27.06
68.05	3RD	26.79
67.58	2ND	26.61
66.85	1ST	26.32

(25) MIDSHOULDER HEIGHT, SITTING

Subject sits erect looking straight ahead, upper arms hanging relaxed, forearms and hands extended forward horizontally. With an anthropometer, measure the vertical distance from the sitting surface to the right midshoulder landmark.





RANGES*	F	CUMF	FPCT	CUMPCT
66.75- 67.25	2	1905	0.10	100.00
66.25- 66.75	1	1903	0.05	99.90
65.75- 66.25	2	1902	0.10	99.84
65.25- 65.75	1	1900	0.05	99.74
64.75- 65.25	5	1899	0.26	99.69
64.25- 64.75	9	1894	0.47	99.42
63.75- 64.25	15	1885	0.79	98.95
63.25- 63.75	20	1870	1.05	98.16
62.75- 63.25	26	1850	1.36	97.11
62.25- 62.75	31	1824	1.63	95.75
61.75- 62.25	55	1793	2.89	94.12
61.25- 61.75	55	1738	2.89	91.23
60.75- 61.25	71	1683	3.73	88.35
60.25- 60.75	76	1612	3.99	84.62
59.75- 60.25	120	1536	6.30	80.63
59.25- 59.75	122	1416	6.40	74.33
58.75- 59.25	93	1294	4.88	67.93
58.25- 58.75	140	1201	7.35	63.04
57.75- 58.25	141	1061	7.40	55.70
57.25- 57.75	159	920	8.35	48.29
56.75- 57.25	131	761	6.88	39.95
56.25- 56.75	135	630	7.09	33.07
55.75- 56.25	111	495	5.83	25.98
55.25- 55.75	97	384	5.09	20.16
54.75- 55.25	72	287	3.78	15.07
54.25- 54.75	63	215	3.31	11.29
53.75- 54.25	45	152	2.36	7.98
53.25- 53.75	45	107	2.36	5.62
52.75- 53.25	29	62	1.52	3.25
52.25- 52.75	16	33	0.84	1.73
51.75- 52.25	9	17	0.47	0.89
51.25- 51.75	5	8	0.26	0.42
50.75- 51.25	3	3	0.16	0.16

*IN CENTIMETERS

CENTIMETERS		INCHES
58.00	MEAN VALUE	22.83
0.06	SE(MEAN)	0.02
2.66	SD DEVIATION	1.05
0.04	SE(SD DEV)	0.02

****

SYMMETRY---VETA I = 0.17
KURTOSIS---VETA II = 2.84
COEF. OF VARIATION = 4.6%

****

NUMBER OF SUBJECTS = 1905

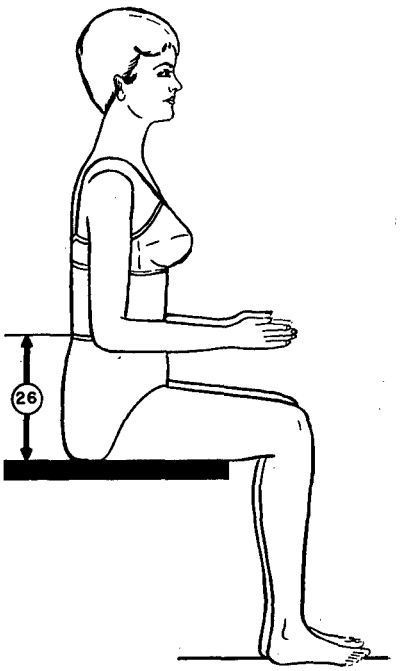
****

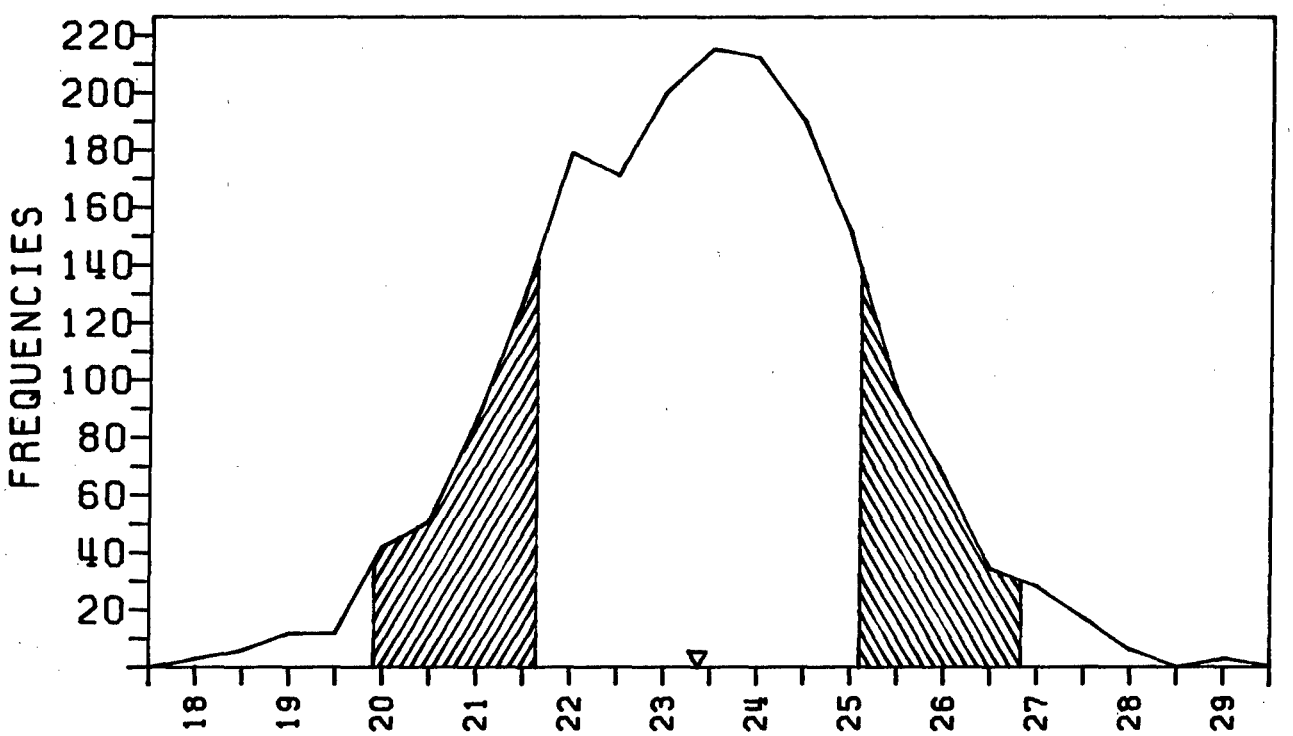
THE PERCENTILES

CENTIMETERS		INCHES
64.36	99TH	25.34
63.63	98TH	25.05
63.17	97TH	24.87
62.52	95TH	24.61
61.50	90TH	24.21
60.81	85TH	23.94
60.26	80TH	23.73
59.79	75TH	23.54
59.37	70TH	23.37
58.98	65TH	23.22
58.61	60TH	23.07
58.26	55TH	22.94
57.91	50TH	22.80
57.56	45TH	22.66
57.22	40TH	22.53
56.87	35TH	22.39
56.50	30TH	22.24
56.11	25TH	22.09
55.67	20TH	21.92
55.19	15TH	21.73
54.58	10TH	21.49
53.73	5TH	21.15
53.20	3RD	20.95
52.83	2ND	20.80
52.27	1ST	20.58

(26) WAIST HEIGHT, SITTING

Subject sits erect looking straight ahead, upper arms hanging relaxed, forearms and hands extended forward horizontally. With an anthropometer, measure the vertical distance from the sitting surface to the right lateral-waist landmark.





RANGES*	F	CUMF	FPCT	CUMPCT
28.75- 29.25	3	1905	0.16	100.00
28.25- 28.75	0	1902	0.00	99.84
27.75- 28.25	6	1902	0.31	99.84
27.25- 27.75	17	1896	0.89	99.53
26.75- 27.25	28	1879	1.47	98.64
26.25- 26.75	34	1851	1.78	97.17
25.75- 26.25	66	1817	3.46	95.38
25.25- 25.75	95	1751	4.99	91.92
24.75- 25.25	150	1656	7.87	86.93
24.25- 24.75	189	1506	9.92	79.06
23.75- 24.25	212	1317	11.13	69.13
23.25- 23.75	215	1105	11.29	58.01
22.75- 23.25	200	890	10.50	46.72
22.25- 22.75	171	690	8.98	36.22
21.75- 22.25	179	519	9.40	27.24
21.25- 21.75	128	340	6.72	17.85
20.75- 21.25	86	212	4.51	11.13
20.25- 20.75	51	126	2.68	6.61
19.75- 20.25	42	75	2.20	3.94
19.25- 19.75	12	33	0.63	1.73
18.75- 19.25	12	21	0.63	1.10
18.25- 18.75	6	9	0.31	0.47
17.75- 18.25	3	3	0.16	0.16

*IN CENTIMETERS

CENTIMETERS		INCHES
23.37	MEAN VALUE	9.20
0.04	SE(MEAN)	0.02
1.73	SD DEVIATION	0.68
0.03	SE(SD DEV)	0.01

****

SYMMETRY---VETA I = -0.01
KURTOSIS---VETA II = 2.98
COEF. OF VARIATION = 7.4%

****

NUMBER OF SUBJECTS = 1905

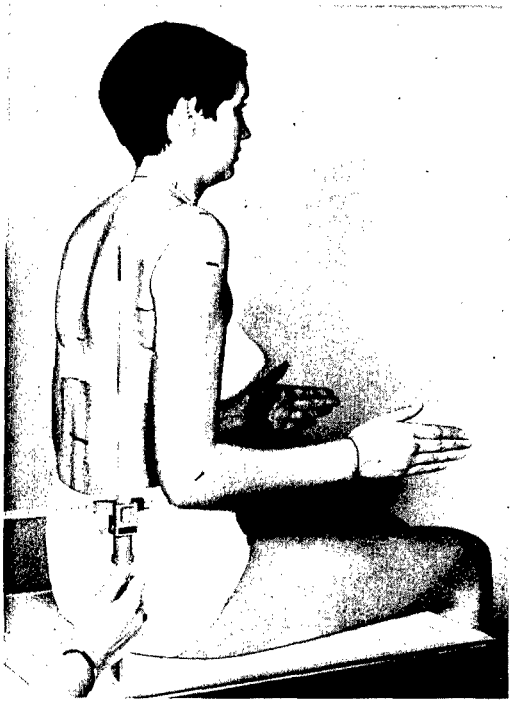
****

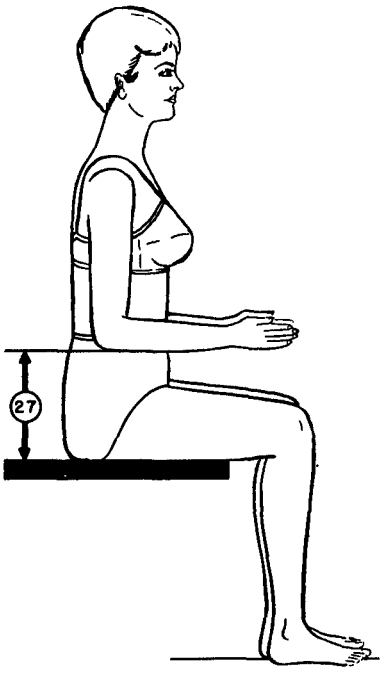
THE PERCENTILES

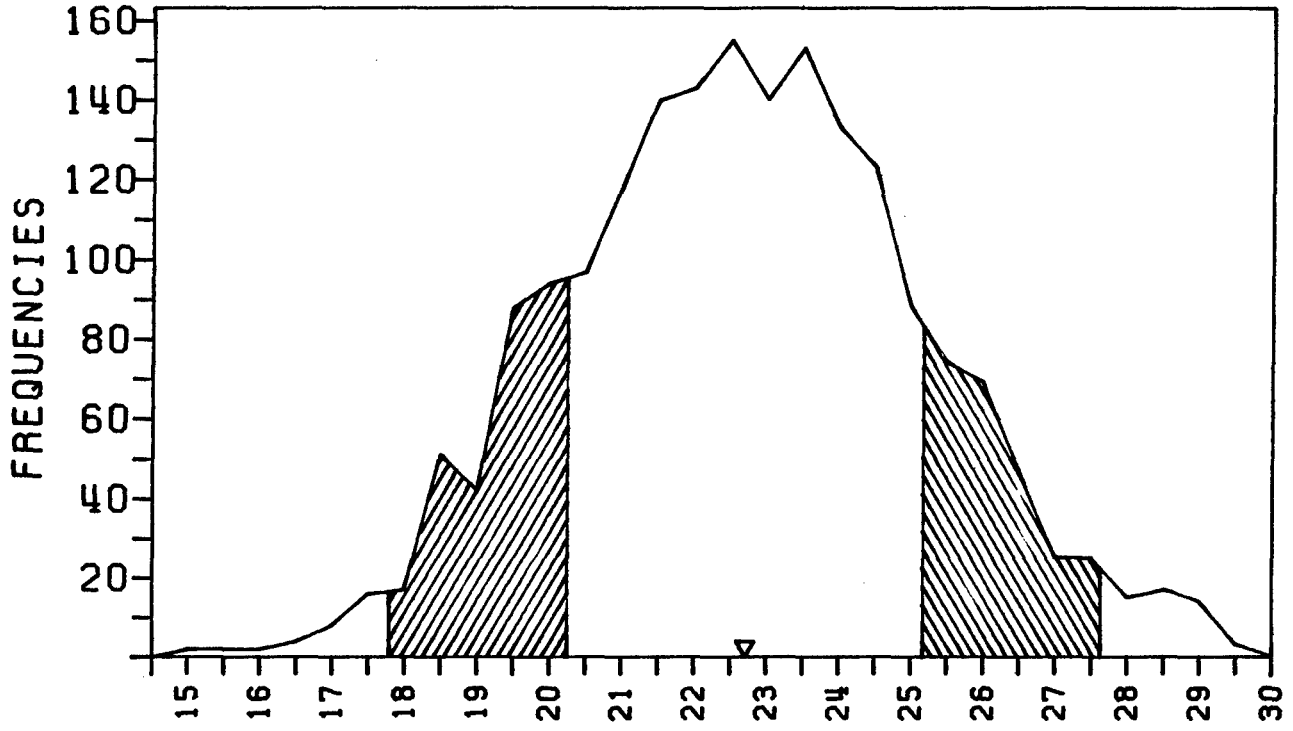
CENTIMETERS		INCHES
27.48	99TH	10.82
26.98	98TH	10.62
26.66	97TH	10.50
26.24	95TH	10.33
25.60	90TH	10.08
25.17	85TH	9.91
24.83	80TH	9.77
24.54	75TH	9.66
24.28	70TH	9.56
24.03	65TH	9.46
23.81	60TH	9.37
23.58	55TH	9.29
23.37	50TH	9.20
23.15	45TH	9.11
22.92	40TH	9.03
22.69	35TH	8.93
22.45	30TH	8.84
22.19	25TH	8.73
21.89	20TH	8.62
21.55	15TH	8.48
21.11	10TH	8.31
20.46	5TH	8.05
20.03	3RD	7.89
19.72	2ND	7.76
19.23	1ST	7.57

(27) ELBOW REST HEIGHT

Subject sits erect looking straight ahead, upper arms hanging relaxed, forearms and hands extended forward horizontally. With an anthropometer, measure the vertical distance from the sitting surface to the bottom of the right elbow.







RANGES*	F	CUMF	FPCT	CUMPCT
29.25- 29.75	3	1905	0.16	100.00
28.75- 29.25	14	1902	0.73	99.84
28.25- 28.75	17	1888	0.89	99.11
27.75- 28.25	15	1871	0.79	98.22
27.25- 27.75	25	1856	1.31	97.43
26.75- 27.25	25	1831	1.31	96.12
26.25- 26.75	47	1806	2.47	94.80
25.75- 26.25	69	1759	3.62	92.34
25.25- 25.75	74	1690	3.88	88.71
24.75- 25.25	88	1616	4.62	84.83
24.25- 24.75	123	1528	6.46	80.21
23.75- 24.25	133	1405	6.98	73.75
23.25- 23.75	153	1272	8.03	66.77
22.75- 23.25	140	1119	7.35	58.74
22.25- 22.75	155	979	8.14	51.39
21.75- 22.25	143	824	7.51	43.25
21.25- 21.75	140	681	7.35	35.75
20.75- 21.25	118	541	6.19	28.40
20.25- 20.75	97	423	5.09	22.20
19.75- 20.25	94	326	4.93	17.11
19.25- 19.75	88	232	4.62	12.18
18.75- 19.25	42	144	2.20	7.56
18.25- 18.75	51	102	2.68	5.35
17.75- 18.25	17	51	0.89	2.68
17.25- 17.75	16	34	0.84	1.78
16.75- 17.25	8	18	0.42	0.94
16.25- 16.75	4	10	0.21	0.52
15.75- 16.25	2	6	0.10	0.31
15.25- 15.75	2	4	0.10	0.21
14.75- 15.25	2	2	0.10	0.10

*IN CENTIMETERS

CENTIMETERS		INCHES
22.71	MEAN VALUE	8.94
0.06	SE(MEAN)	0.02
2.46	SD DEVIATION	0.97
0.04	SE(SD DEV)	0.02

****

SYMMETRY---VETA I = 0.08
KURTOSIS---VETA II = 2.82
COEF. OF VARIATION = 10.8%

****

NUMBER OF SUBJECTS = 1905

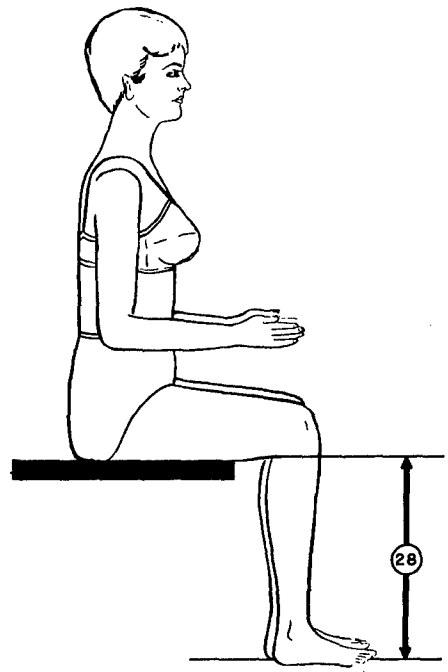
****

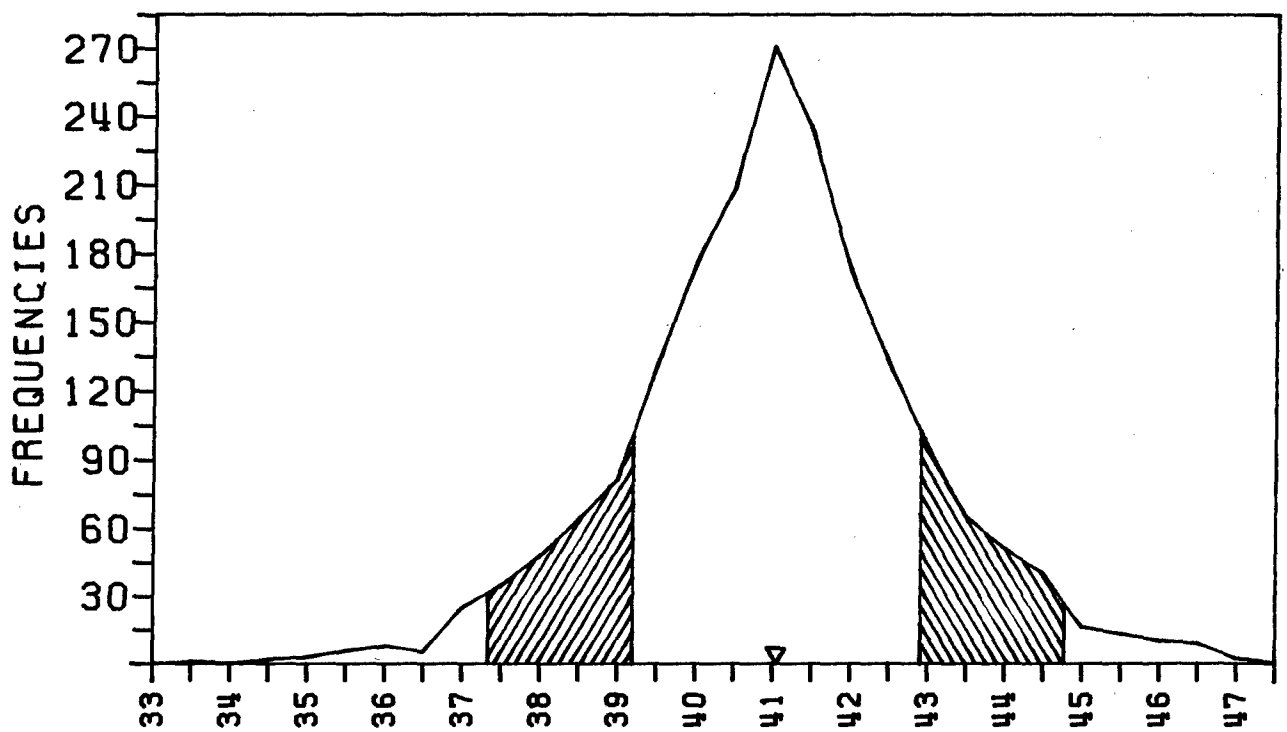
THE PERCENTILES

CENTIMETERS		INCHES
28.76	99TH	11.32
28.00	98TH	11.02
27.53	97TH	10.84
26.90	95TH	10.59
25.94	90TH	10.21
25.30	85TH	9.96
24.79	80TH	9.76
24.36	75TH	9.59
23.98	70TH	9.44
23.62	65TH	9.30
23.29	60TH	9.17
22.97	55TH	9.04
22.65	50TH	8.92
22.33	45TH	8.79
22.01	40TH	8.67
21.69	35TH	8.54
21.35	30TH	8.40
20.98	25TH	8.26
20.57	20TH	8.10
20.11	15TH	7.92
19.53	10TH	7.69
18.71	5TH	7.37
18.21	3RD	7.17
17.85	2ND	7.03
17.32	1ST	6.82

(28) POPLITEAL HEIGHT

Subject sits erect, feet on the adjustable platform, knees flexed 90 degrees, and thighs parallel. With an anthropometer, measure the vertical distance from the surface of the platform to the lateral underside of the thigh at a point contiguous to where the tendon of the biceps femoris muscle joins the lower leg.





RANGES*	F	CUMF	FPCT	CUMPCT
46.75- 47.25	2	1905	0.10	100.00
46.25- 46.75	9	1903	0.47	99.90
45.75- 46.25	10	1894	0.52	99.42
45.25- 45.75	13	1884	0.68	98.90
44.75- 45.25	16	1871	0.84	98.22
44.25- 44.75	40	1855	2.10	97.38
43.75- 44.25	51	1815	2.68	95.28
43.25- 43.75	65	1764	3.41	92.60
42.75- 43.25	96	1699	5.04	89.19
42.25- 42.75	132	1603	6.93	84.15
41.75- 42.25	172	1471	9.03	77.22
41.25- 41.75	233	1299	12.23	68.19
40.75- 41.25	271	1066	14.23	55.96
40.25- 40.75	209	795	10.97	41.73
39.75- 40.25	176	586	9.24	30.76
39.25- 39.75	131	410	6.88	21.52
38.75- 39.25	82	279	4.30	14.65
38.25- 38.75	64	197	3.36	10.34
37.75- 38.25	48	133	2.52	6.98
37.25- 37.75	35	85	1.84	4.46
36.75- 37.25	25	50	1.31	2.62
36.25- 36.75	5	25	0.26	1.31
35.75- 36.25	8	20	0.42	1.05
35.25- 35.75	6	12	0.31	0.63
34.75- 35.25	3	6	0.16	0.31
34.25- 34.75	2	3	0.10	0.16
33.75- 34.25	0	1	0.00	0.05
33.25- 33.75	1	1	0.05	0.05

*IN CENTIMETERS

CENTIMETERS		INCHES
41.05	MEAN VALUE	16.16
0.04	SE(MEAN)	0.02
1.86	SD DEVIATION	0.73
0.03	SE(SD DEV)	0.01

****

SYMMETRY---VETA I = -0.03
KURTOSIS---VETA II = 3.70
COEF. OF VARIATION = 4.5%

****

NUMBER OF SUBJECTS = 1905

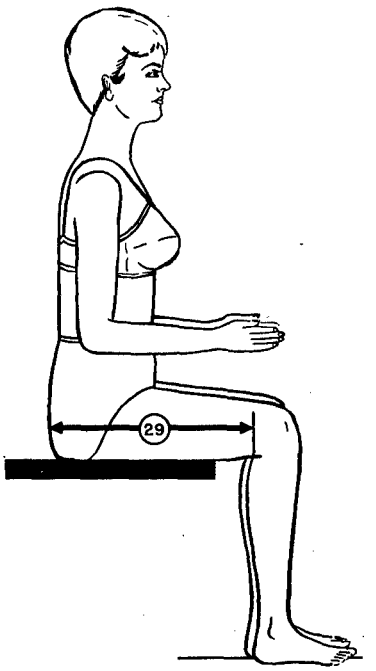
****

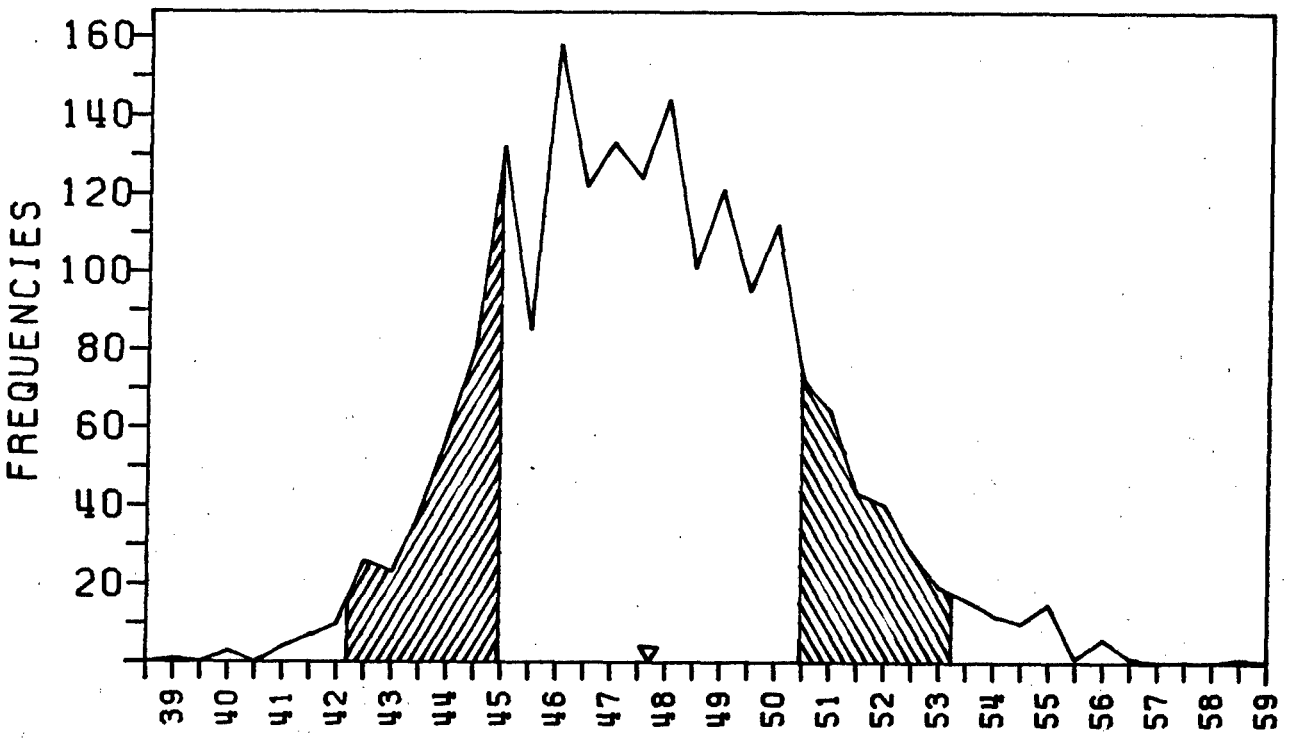
THE PERCENTILES

CENTIMETERS		INCHES
45.88	99TH	18.06
45.12	98TH	17.76
44.67	97TH	17.59
44.11	95TH	17.37
43.32	90TH	17.06
42.84	85TH	16.86
42.47	80TH	16.72
42.17	75TH	16.60
41.91	70TH	16.50
41.68	65TH	16.41
41.46	60TH	16.32
41.25	55TH	16.24
41.04	50TH	16.16
40.83	45TH	16.08
40.62	40TH	15.99
40.40	35TH	15.91
40.16	30TH	15.81
39.90	25TH	15.71
39.60	20TH	15.59
39.24	15TH	15.45
38.75	10TH	15.26
37.96	5TH	14.95
37.39	3RD	14.72
36.94	2ND	14.55
36.17	1ST	14.24

(29) BUTTOCK-POPLITEAL LENGTH

Subject sits erect on a table, on the top of which is affixed a measuring scale with its origin at the edge of table. The feet are supported by the adjustable platform, knees flexed 90 degrees, thighs parallel, with the posterior surface of the right knee touching the front edge of the table. With a block held against the most posterior aspect of the right buttock, measure on the table scale the horizontal distance from the edge of the table to the buttock.





RANGES*	F	CUMF	FPCT	CUMPCT
58.25- 58.75	1	1905	0.05	100.00
57.75- 58.25	0	1904	0.00	99.95
57.25- 57.75	0	1904	0.00	99.95
56.75- 57.25	0	1904	0.00	99.95
56.25- 56.75	1	1904	0.05	99.95
55.75- 56.25	6	1903	0.31	99.90
55.25- 55.75	1	1897	0.05	99.58
54.75- 55.25	15	1896	0.79	99.53
54.25- 54.75	10	1881	0.52	98.74
53.75- 54.25	12	1871	0.63	98.22
53.25- 53.75	16	1859	0.84	97.59
52.75- 53.25	19	1843	1.00	96.75
52.25- 52.75	28	1824	1.47	95.75
51.75- 52.25	40	1796	2.10	94.28
51.25- 51.75	43	1756	2.26	92.18
50.75- 51.25	64	1713	3.36	89.92
50.25- 50.75	72	1649	3.78	86.56
49.75- 50.25	112	1577	5.88	82.78
49.25- 49.75	95	1465	4.99	76.90
48.75- 49.25	121	1370	6.35	71.92
48.25- 48.75	101	1249	5.30	65.56
47.75- 48.25	144	1148	7.56	60.26
47.25- 47.75	124	1004	6.51	52.70
46.75- 47.25	133	880	6.98	46.19
46.25- 46.75	122	747	6.40	39.21
45.75- 46.25	158	625	8.29	32.81
45.25- 45.75	85	467	4.46	24.51
44.75- 45.25	132	382	6.93	20.05
44.25- 44.75	80	250	4.20	13.12
43.75- 44.25	58	170	3.04	8.92
43.25- 43.75	38	112	1.99	5.88
42.75- 43.25	23	74	1.21	3.88
42.25- 42.75	26	51	1.36	2.68
41.75- 42.25	10	25	0.52	1.31
41.25- 41.75	7	15	0.37	0.79
40.75- 41.25	4	8	0.21	0.42
40.25- 40.75	0	4	0.00	0.21
39.75- 40.25	3	4	0.16	0.21
39.25- 39.75	0	1	0.00	0.05
38.75- 39.25	1	1	0.05	0.05

*IN CENTIMETERS

CENTIMETERS		INCHES
47.71	MEAN VALUE	18.78
0.06	SE(MEAN)	0.02
2.76	SD DEVIATION	1.09
0.04	SE(SD DEV)	0.02

****

SYMMETRY---VETA I = 0.32
KURTOSIS---VETA II = 3.07
COEF. OF VARIATION = 5.8%

****

NUMBER OF SUBJECTS = 1905

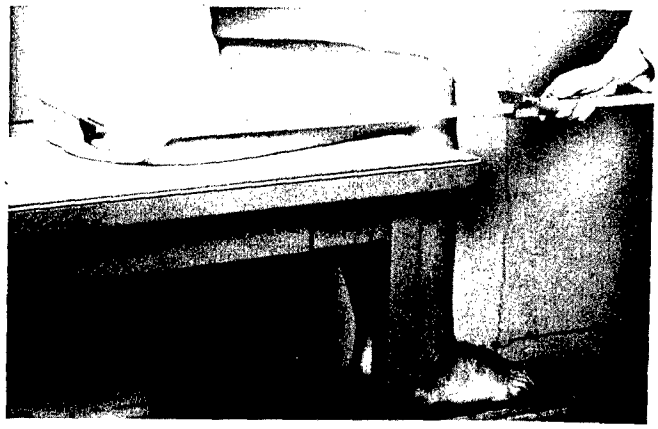
****

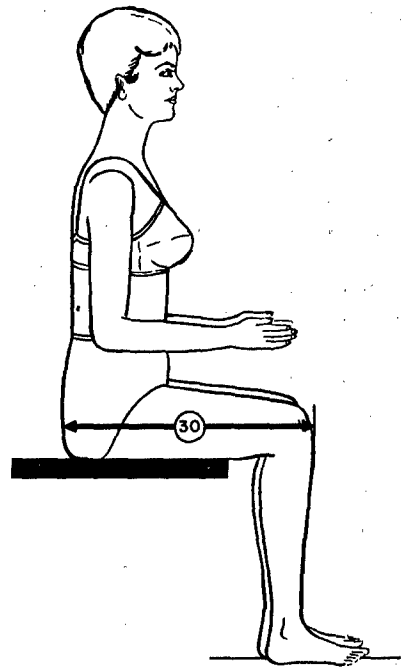
THE PERCENTILES

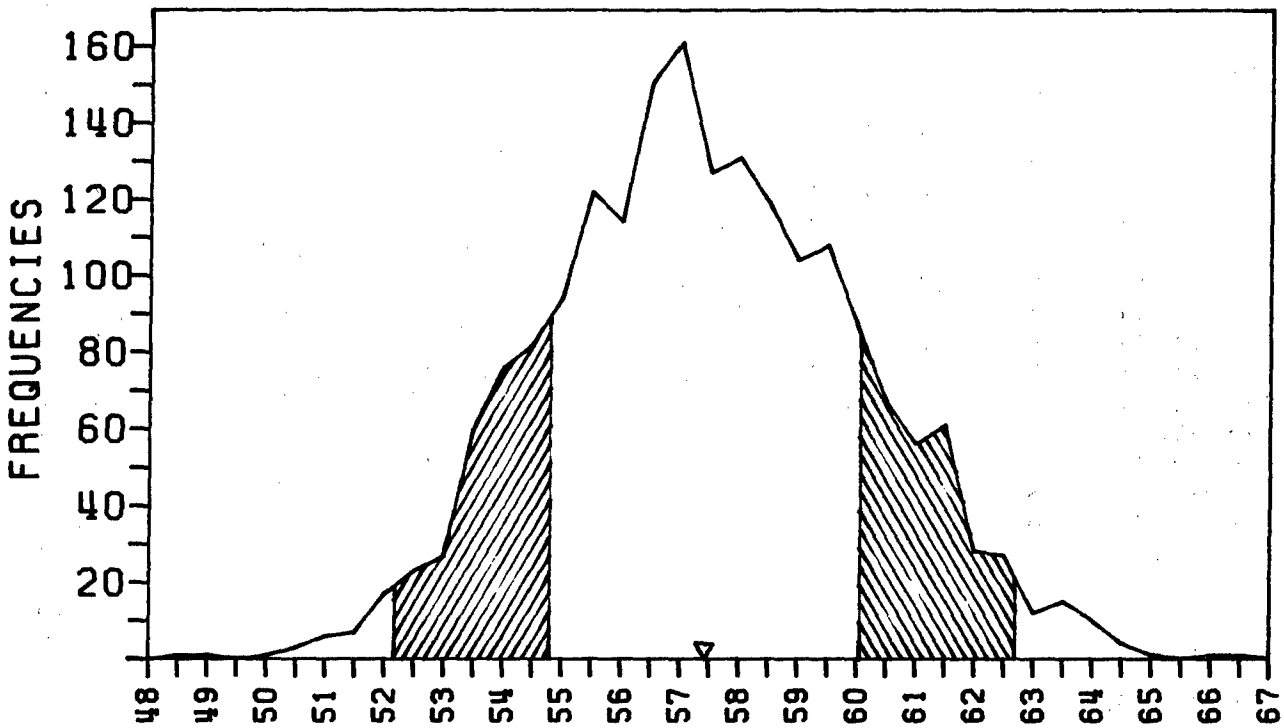
CENTIMETERS		INCHES
54.95	99TH	21.63
53.98	98TH	21.25
53.38	97TH	21.02
52.58	95TH	20.70
51.37	90TH	20.23
50.59	85TH	19.92
49.98	80TH	19.68
49.47	75TH	19.48
49.02	70TH	19.30
48.62	65TH	19.14
48.24	60TH	18.99
47.88	55TH	18.85
47.53	50TH	18.71
47.19	45TH	18.58
46.85	40TH	18.44
46.50	35TH	18.31
46.14	30TH	18.16
45.76	25TH	18.01
45.34	20TH	17.85
44.87	15TH	17.66
44.28	10TH	17.43
43.45	5TH	17.11
42.92	3RD	16.90
42.54	2ND	16.75
41.95	1ST	16.51

(30) BUTTOCK-KNEE LENGTH

Subject sits erect, feet on the adjustable platform, knees flexed 90 degrees, and thighs parallel. With a beam caliper held parallel to the long axis of the thigh, measure the horizontal distance from the most posterior aspect of the right buttock to the most anterior aspect of the right knee.







RANGES*	F	CUMF	FPCT	CUMPCT
66.25- 66.75	1	1905	0.05	100.00
65.75- 66.25	1	1904	0.05	99.95
65.25- 65.75	0	1903	0.00	99.90
64.75- 65.25	1	1903	0.05	99.90
64.25- 64.75	4	1902	0.21	99.84
63.75- 64.25	10	1898	0.52	99.63
63.25- 63.75	15	1888	0.79	99.11
62.75- 63.25	12	1873	0.63	98.32
62.25- 62.75	27	1861	1.42	97.69
61.75- 62.25	28	1834	1.47	96.27
61.25- 61.75	61	1806	3.20	94.80
60.75- 61.25	56	1745	2.94	91.60
60.25- 60.75	67	1689	3.52	88.66
59.75- 60.25	87	1622	4.57	85.14
59.25- 59.75	108	1535	5.67	80.58
58.75- 59.25	104	1427	5.46	74.91
58.25- 58.75	119	1323	6.25	69.45
57.75- 58.25	131	1204	6.88	63.20
57.25- 57.75	127	1073	6.67	56.33
56.75- 57.25	161	946	8.45	49.66
56.25- 56.75	151	785	7.93	41.21
55.75- 56.25	114	634	5.98	33.28
55.25- 55.75	122	520	6.40	27.30
54.75- 55.25	94	398	4.93	20.89
54.25- 54.75	82	304	4.30	15.96
53.75- 54.25	76	222	3.99	11.65
53.25- 53.75	60	146	3.15	7.66
52.75- 53.25	27	86	1.42	4.51
52.25- 52.75	23	59	1.21	3.10
51.75- 52.25	17	36	0.89	1.89
51.25- 51.75	7	19	0.37	1.00
50.75- 51.25	6	12	0.31	0.63
50.25- 50.75	3	6	0.16	0.31
49.75- 50.25	1	3	0.05	0.16
49.25- 49.75	0	2	0.00	0.10
48.75- 49.25	1	2	0.05	0.10
48.25- 48.75	1	1	0.05	0.05

*IN CENTIMETERS

CENTIMETERS		INCHES
57.43	MEAN VALUE	22.61
0.06	SE(MEAN)	0.02
2.63	SD DEVIATION	1.04
0.04	SE(SD DEV)	0.02

****

SYMMETRY---VETA I = 0.12
KURTOSIS---VETA II = 2.83
COEF. OF VARIATION = 4.6%

****

NUMBER OF SUBJECTS = 1905

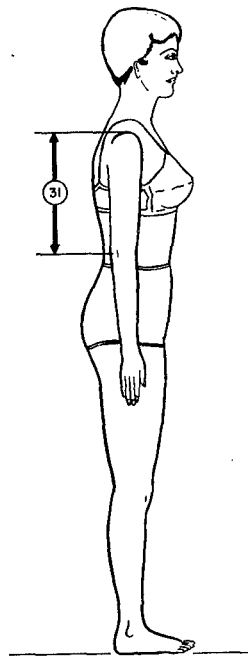
****

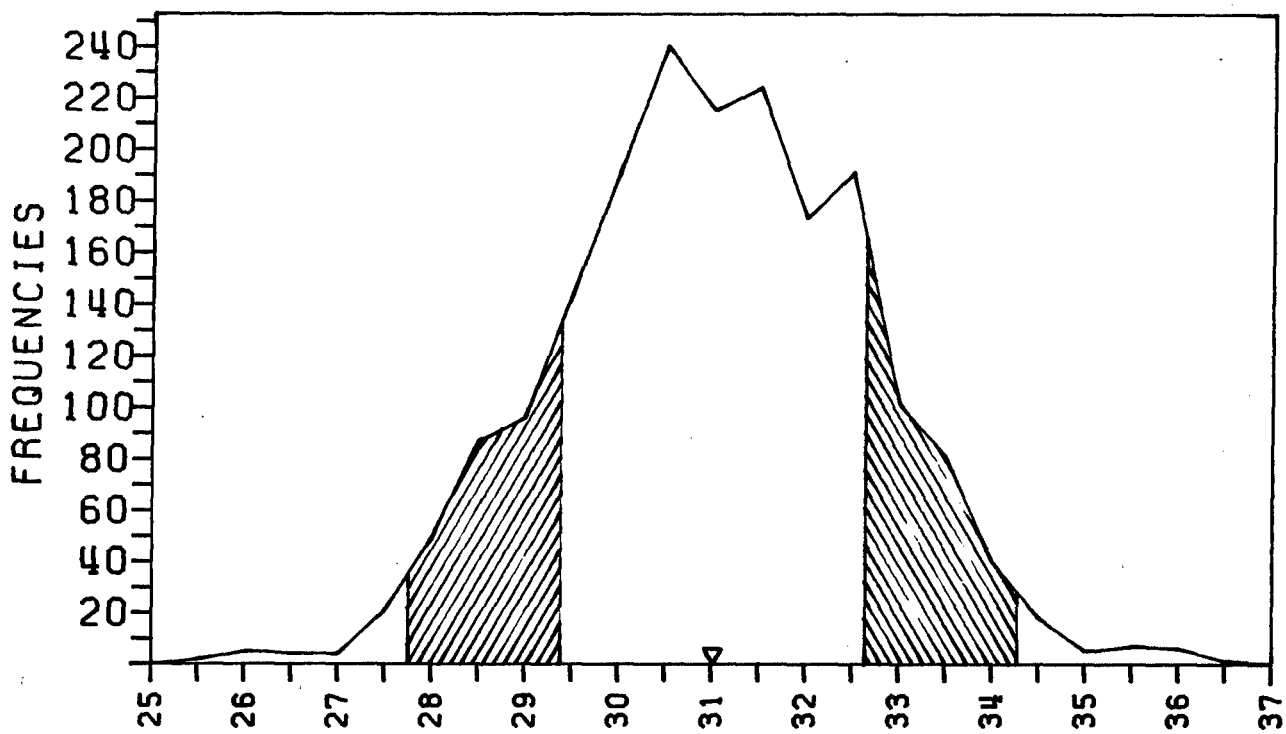
THE PERCENTILES

CENTIMETERS		INCHES
63.66	99TH	25.06
62.98	98TH	24.80
62.54	97TH	24.62
61.91	95TH	24.37
60.91	90TH	23.98
60.22	85TH	23.71
59.68	80TH	23.49
59.21	75TH	23.31
58.78	70TH	23.14
58.40	65TH	22.99
58.03	60TH	22.85
57.68	55TH	22.71
57.34	50TH	22.58
57.00	45TH	22.44
56.66	40TH	22.31
56.32	35TH	22.17
55.96	30TH	22.03
55.57	25TH	21.88
55.15	20TH	21.71
54.67	15TH	21.52
54.08	10TH	21.29
53.24	5TH	20.96
52.71	3RD	20.75
52.33	2ND	20.60
51.75	1ST	20.37

(31) ACROMION-RADIALE LENGTH

Subject stands erect looking straight ahead and with arms relaxed. With a beam caliper held parallel to the long axis of the right upper arm, measure the distance from the acromial landmark to the radiale landmark.





RANGES*	F	CUMF	FPCT	CUMPCT
36.25- 36.75	1	1905	0.05	100.00
35.75- 36.25	6	1904	0.31	99.95
35.25- 35.75	7	1898	0.37	99.63
34.75- 35.25	5	1891	0.26	99.27
34.25- 34.75	18	1886	0.94	99.00
33.75- 34.25	40	1868	2.10	98.06
33.25- 33.75	81	1828	4.25	95.96
32.75- 33.25	101	1747	5.30	91.71
32.25- 32.75	191	1646	10.03	86.40
31.75- 32.25	173	1455	9.08	76.38
31.25- 31.75	224	1282	11.76	67.30
30.75- 31.25	215	1058	11.29	55.54
30.25- 30.75	240	843	12.60	44.25
29.75- 30.25	191	603	10.03	31.65
29.25- 29.75	144	412	7.56	21.63
28.75- 29.25	96	268	5.04	14.07
28.25- 28.75	87	172	4.57	9.03
27.75- 28.25	49	85	2.57	4.46
27.25- 27.75	21	36	1.10	1.89
26.75- 27.25	4	15	0.21	0.79
26.25- 26.75	4	11	0.21	0.58
25.75- 26.25	5	7	0.26	0.37
25.25- 25.75	2	2	0.10	0.10

*IN CENTIMETERS

CENTIMETERS		INCHES
31.01	MEAN VALUE	12.21
0.04	SE(MEAN)	0.01
1.63	SD DEVIATION	0.64
0.03	SE(SD DEV)	0.01

****

SYMMETRY---VETA I = -0.02
KURTOSIS---VETA II = 3.02
COEF. OF VARIATION = 5.2%

****

NUMBER OF SUBJECTS = 1905

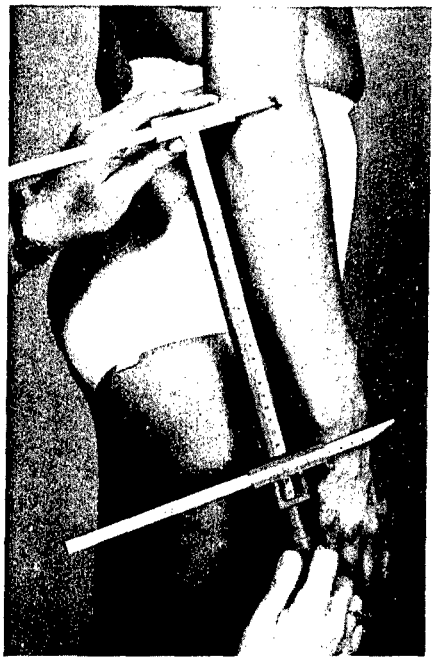
****

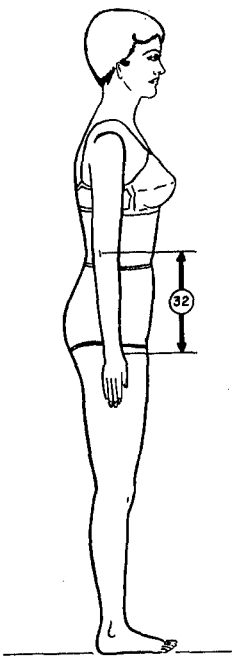
THE PERCENTILES

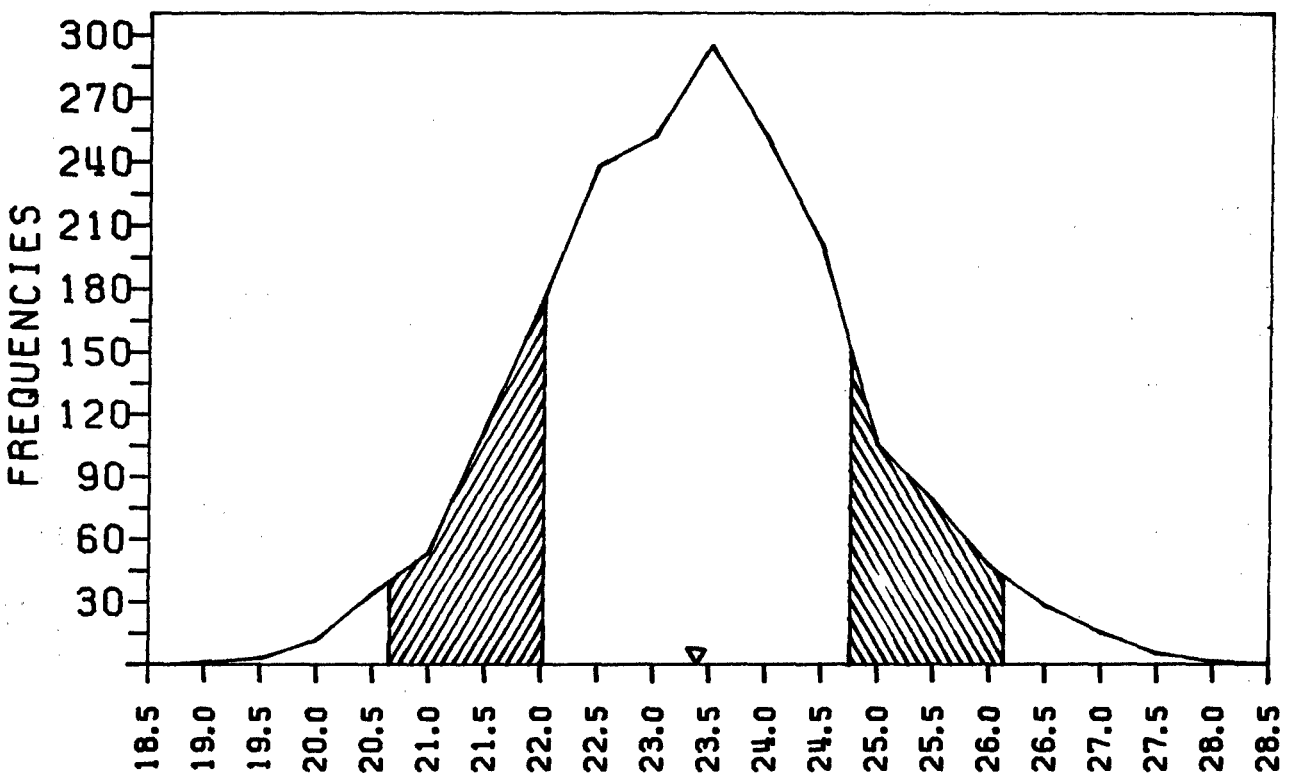
CENTIMETERS		INCHES
34.71	99TH	13.67
34.28	98TH	13.50
34.01	97TH	13.39
33.64	95TH	13.25
33.08	90TH	13.02
32.70	85TH	12.87
32.39	80TH	12.75
32.13	75TH	12.65
31.89	70TH	12.55
31.66	65TH	12.46
31.45	60TH	12.38
31.24	55TH	12.30
31.03	50TH	12.22
30.82	45TH	12.13
30.61	40TH	12.05
30.38	35TH	11.96
30.15	30TH	11.87
29.90	25TH	11.77
29.62	20TH	11.66
29.29	15TH	11.53
28.89	10TH	11.37
28.32	5TH	11.15
27.97	3RD	11.01
27.72	2ND	10.91
27.37	1ST	10.78

(32) RADIALE-STYLION LENGTH

Subject stands erect with arms relaxed. With a beam caliper held parallel to the long axis of the right forearm, measure the distance from the radiale landmark to the stylion landmark.







RANGES*	F	CUMF	FPCT	CUMPCT
27.75- 28.25	1	1905	0.05	100.00
27.25- 27.75	5	1904	0.26	99.95
26.75- 27.25	15	1899	0.79	99.69
26.25- 26.75	28	1884	1.47	98.90
25.75- 26.25	47	1856	2.47	97.43
25.25- 25.75	78	1809	4.09	94.96
24.75- 25.25	105	1731	5.51	90.87
24.25- 24.75	200	1626	10.50	85.35
23.75- 24.25	251	1426	13.18	74.86
23.25- 23.75	295	1175	15.49	61.68
22.75- 23.25	252	880	13.23	46.19
22.25- 22.75	238	628	12.49	32.97
21.75- 22.25	173	390	9.08	20.47
21.25- 21.75	113	217	5.93	11.39
20.75- 21.25	54	104	2.83	5.46
20.25- 20.75	34	50	1.78	2.62
19.75- 20.25	12	16	0.63	0.84
19.25- 19.75	3	4	0.16	0.21
18.75- 19.25	1	1	0.05	0.05

*IN CENTIMETERS

CENTIMETERS		INCHES
23.39	MEAN VALUE	9.21
0.03	SE(MEAN)	0.01
1.37	SD DEVIATION	0.54
0.02	SE(SD DEV)	0.01

****

SYMMETRY---VETA I = 0.14
KURTOSIS---VETA II = 3.03
COEF. OF VARIATION = 5.8%

****

NUMBER OF SUBJECTS = 1905

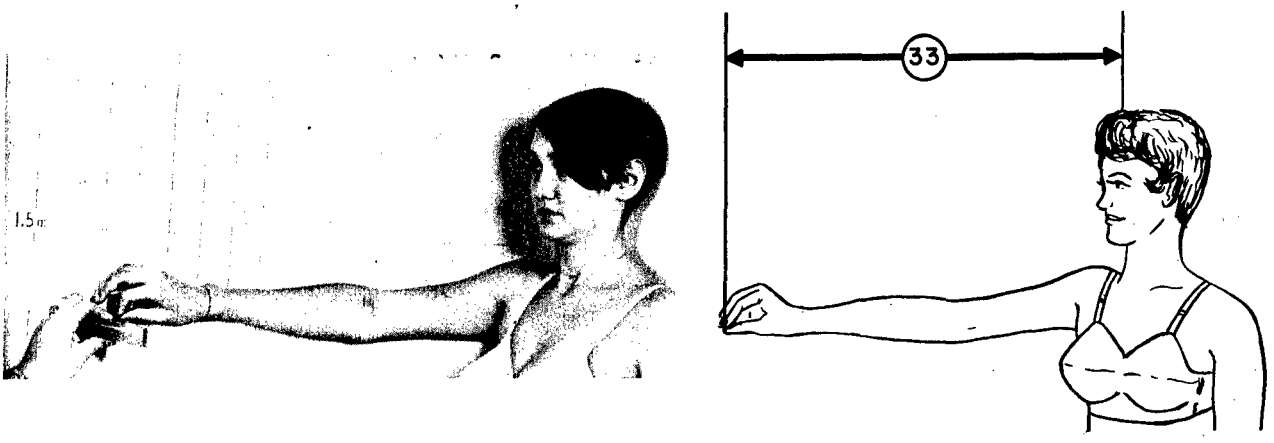
****

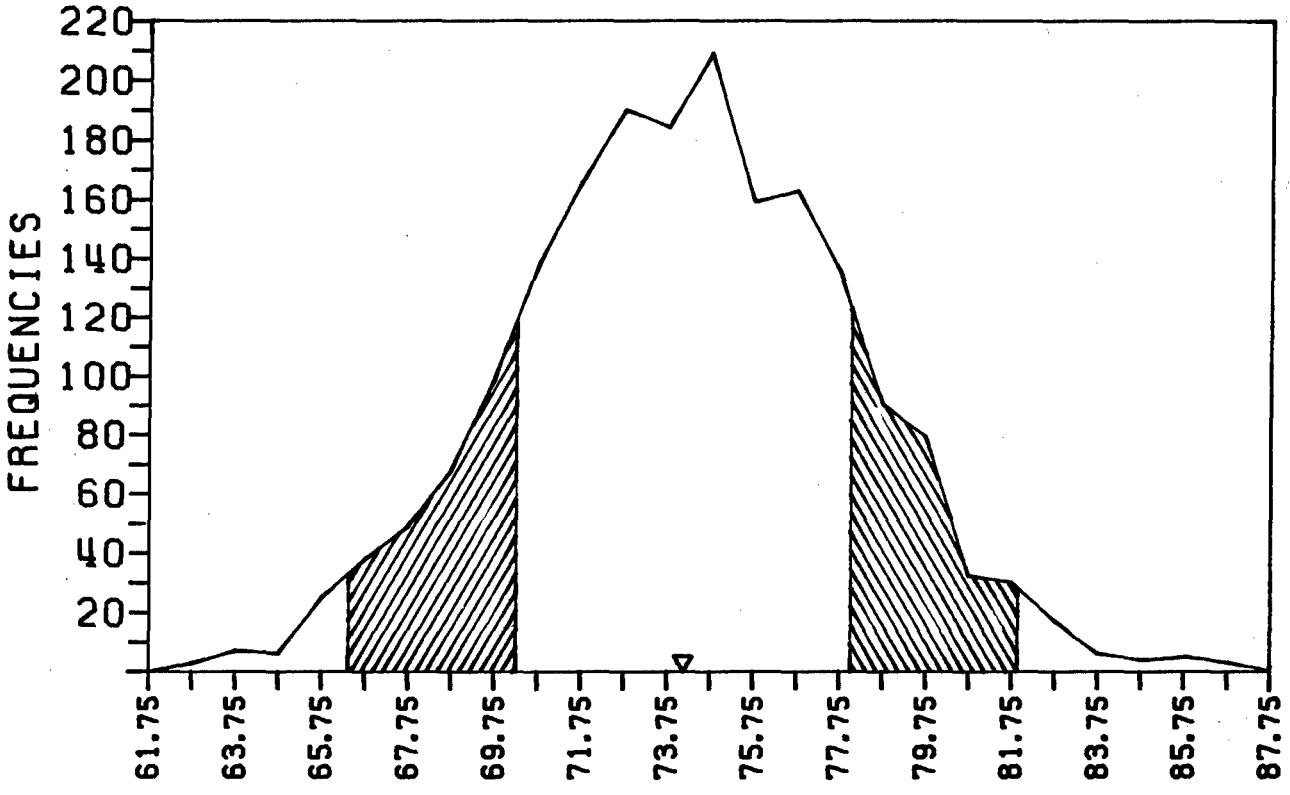
THE PERCENTILES

CENTIMETERS		INCHES
26.87	99TH	10.58
26.40	98TH	10.39
26.11	97TH	10.28
25.73	95TH	10.13
25.17	90TH	9.91
24.80	85TH	9.77
24.52	80TH	9.65
24.28	75TH	9.56
24.07	70TH	9.48
23.88	65TH	9.40
23.69	60TH	9.33
23.52	55TH	9.26
23.35	50TH	9.19
23.17	45TH	9.12
23.00	40TH	9.06
22.83	35TH	8.99
22.64	30TH	8.91
22.44	25TH	8.83
22.21	20TH	8.75
21.96	15TH	8.64
21.63	10TH	8.52
21.15	5TH	8.33
20.84	3RD	8.21
20.61	2ND	8.12
20.26	1ST	7.98

(33) THUMB-TIP REACH

Subject stands erect in a corner looking straight ahead, both shoulders against the back wall, right arm horizontal and held against the scale mounted on the side wall. The thumb is extended and parallel to the long axis of the arm. The tip of the index finger touches the pad of the extended thumb. With the block, measure on the wall scale the horizontal distance from the back wall to the tip of the thumb.





RANGES*	F	CUMF	FPCT	CUMPCT
86.25- 87.25	3	1905	0.16	100.00
85.25- 86.25	5	1902	0.26	99.84
84.25- 85.25	4	1897	0.21	99.58
83.25- 84.25	6	1893	0.31	99.37
82.25- 83.25	17	1887	0.89	99.06
81.25- 82.25	30	1870	1.57	98.16
80.25- 81.25	32	1840	1.68	96.59
79.25- 80.25	79	1808	4.15	94.91
78.25- 79.25	90	1729	4.72	90.76
77.25- 78.25	135	1639	7.09	86.04
76.25- 77.25	163	1504	8.56	78.95
75.25- 76.25	159	1341	8.35	70.39
74.25- 75.25	209	1182	10.97	62.05
73.25- 74.25	184	973	9.66	51.08
72.25- 73.25	190	789	9.97	41.42
71.25- 72.25	166	599	8.71	31.44
70.25- 71.25	138	433	7.24	22.73
69.25- 70.25	99	295	5.20	15.49
68.25- 69.25	68	196	3.57	10.29
67.25- 68.25	49	128	2.57	6.72
66.25- 67.25	38	79	1.99	4.15
65.25- 66.25	25	41	1.31	2.15
64.25- 65.25	6	16	0.31	0.84
63.25- 64.25	7	10	0.37	0.52
62.25- 63.25	3	3	0.16	0.16

*IN CENTIMETERS

CENTIMETERS		INCHES
74.13	MEAN VALUE	29.19
0.09	SE(MEAN)	0.04
3.88	SD DEVIATION	1.53
0.06	SE(SD DEV)	0.02

****

SYMMETRY---VETA I = 0.04
KURTOSIS---VETA II = 3.00
COEF. OF VARIATION = 5.2%

****

NUMBER OF SUBJECTS = 1905

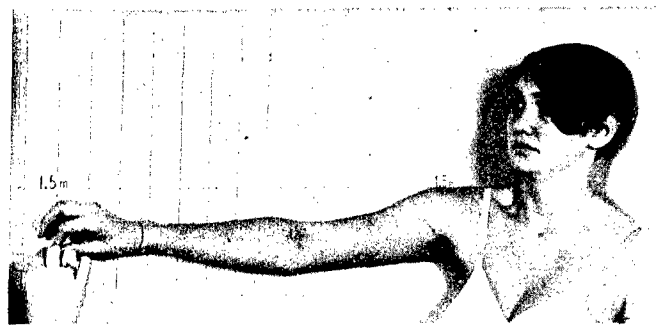
****

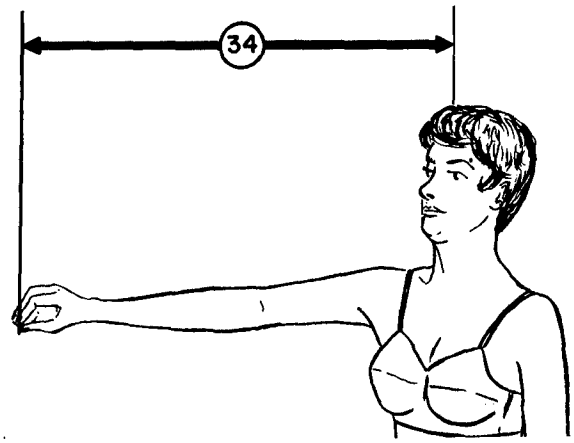
THE PERCENTILES

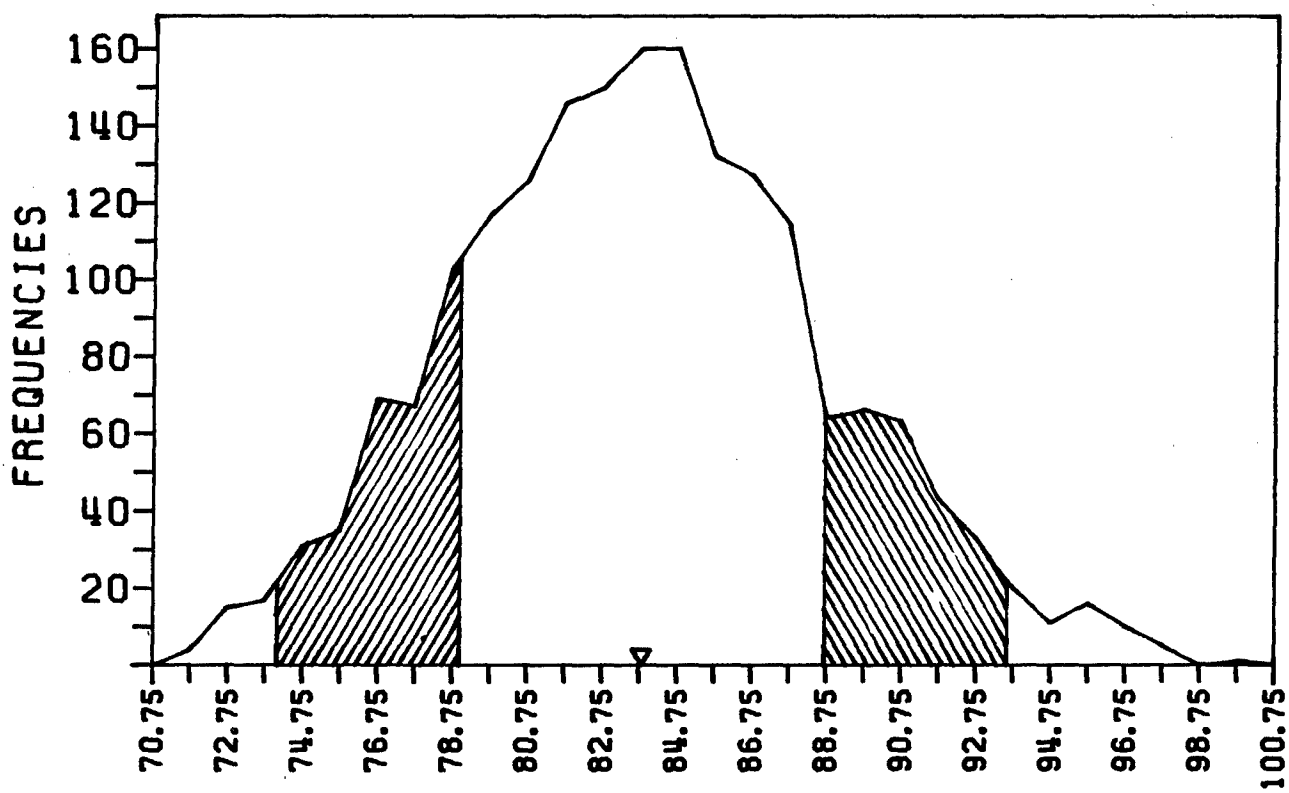
CENTIMETERS		INCHES
83.25	99TH	32.78
82.09	98TH	32.32
81.39	97TH	32.04
80.45	95TH	31.67
79.05	90TH	31.12
78.11	85TH	30.75
77.38	80TH	30.46
76.74	75TH	30.21
76.17	70TH	29.99
75.64	65TH	29.78
75.13	60TH	29.58
74.64	55TH	29.38
74.15	50TH	29.19
73.65	45TH	29.00
73.15	40TH	28.80
72.63	35TH	28.60
72.08	30TH	28.38
71.48	25TH	28.14
70.81	20TH	27.88
70.04	15TH	27.58
69.07	10TH	27.19
67.67	5TH	26.64
66.80	3RD	26.30
66.18	2ND	26.06
65.27	1ST	25.70

(34) THUMB-TIP REACH, EXTENDED

Subject stands erect in a corner looking straight ahead, right shoulder extended as far forward as possible while keeping the back of the left shoulder firmly against the back wall, the right arm is horizontal and held against the scale mounted on the side wall. The thumb is extended and parallel to the long axis of the arm. The tip of the index finger touches the pad of the extended thumb. With a block, measure on the wall scale the horizontal distance from the back wall to the tip of the thumb.







RANGES*	F	CUMF	FPCT	CUMPCT
99.25-100.25	1	1905	0.05	100.00
98.25- 99.25	0	1904	0.00	99.95
97.25- 98.25	5	1904	0.26	99.95
96.25- 97.25	10	1899	0.52	99.69
95.25- 96.25	16	1889	0.84	99.16
94.25- 95.25	11	1873	0.58	98.32
93.25- 94.25	20	1862	1.05	97.74
92.25- 93.25	33	1842	1.73	96.69
91.25- 92.25	43	1809	2.26	94.96
90.25- 91.25	63	1766	3.31	92.70
89.25- 90.25	66	1703	3.46	89.40
88.25- 89.25	64	1637	3.36	85.93
87.25- 88.25	114	1573	5.98	82.57
86.25- 87.25	127	1459	6.67	76.59
85.25- 86.25	132	1332	6.93	69.92
84.25- 85.25	160	1200	8.40	62.99
83.25- 84.25	160	1040	8.40	54.59
82.25- 83.25	150	880	7.87	46.19
81.25- 82.25	146	730	7.66	38.32
80.25- 81.25	126	584	6.61	30.66
79.25- 80.25	117	458	6.14	24.04
78.25- 79.25	103	341	5.41	17.90
77.25- 78.25	67	238	3.52	12.49
76.25- 77.25	69	171	3.62	8.98
75.25- 76.25	35	102	1.84	5.35
74.25- 75.25	31	67	1.63	3.52
73.25- 74.25	17	36	0.89	1.89
72.25- 73.25	15	19	0.79	1.00
71.25- 72.25	4	4	0.21	0.21

*IN CENTIMETERS

CENTIMETERS		INCHES
83.83	MEAN VALUE	33.01
0.11	SE(MEAN)	0.04
4.88	SD DEVIATION	1.92
0.08	SE(SD DEV)	0.03

****

SYMMETRY---VETA I = 0.20
KURTOSIS---VETA II = 2.85
COEF. OF VARIATION = 5.8%

****

NUMBER OF SUBJECTS = 1905

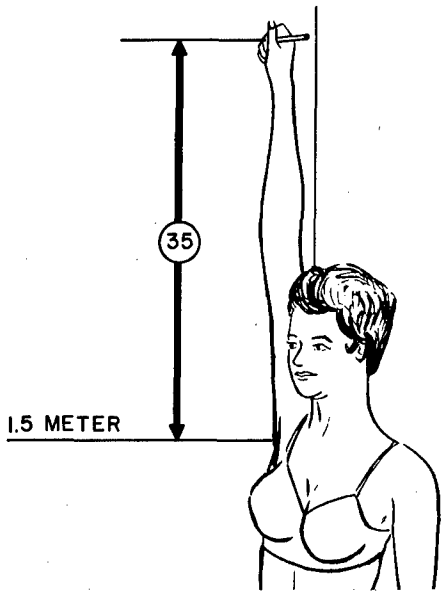
****

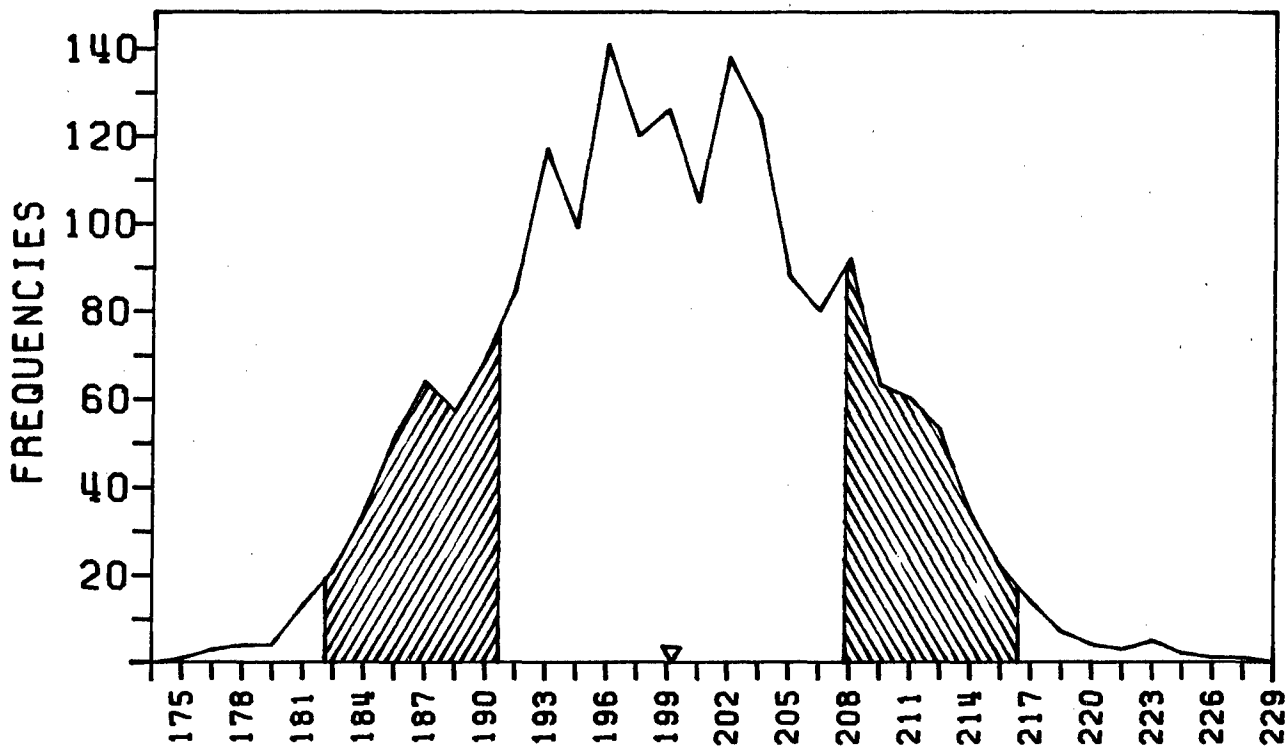
THE PERCENTILES

CENTIMETERS		INCHES
96.14	99TH	37.85
94.57	98TH	37.23
93.59	97TH	36.85
92.27	95TH	36.33
90.29	90TH	35.55
88.97	85TH	35.03
87.95	80TH	34.63
87.08	75TH	34.28
86.30	70TH	33.98
85.59	65TH	33.70
84.92	60TH	33.43
84.29	55TH	33.18
83.66	50TH	32.94
83.04	45TH	32.69
82.41	40TH	32.45
81.78	35TH	32.19
81.11	30TH	31.93
80.40	25TH	31.65
79.61	20TH	31.34
78.71	15TH	30.99
77.60	10TH	30.55
76.01	5TH	29.93
75.02	3RD	29.53
74.30	2ND	29.25
73.22	1ST	28.83

(35) OVERHEAD REACH

Subject stands erect, looking straight ahead, along side of, but not touching, the wall mounted scale. Holding the special pointer in her right fist, she raises the pointer as high as possible while keeping her feet flat on the floor and both the pointer and the proximal phalanges horizontal. Measure on the wall scale the vertical distance from the floor to the tip of the pointer.





RANGES*	F	CUMF	FPCT	CUMPCT
226.75-228.25	1	1905	0.05	100.00
225.25-226.75	1	1904	0.05	99.95
223.75-225.25	2	1903	0.10	99.90
222.25-223.75	5	1901	0.26	99.79
220.75-222.25	3	1896	0.16	99.53
219.25-220.75	4	1893	0.21	99.37
217.75-219.25	7	1889	0.37	99.16
216.25-217.75	14	1882	0.73	98.79
214.75-216.25	22	1868	1.15	98.06
213.25-214.75	34	1846	1.78	96.90
211.75-213.25	53	1812	2.78	95.12
210.25-211.75	60	1759	3.15	92.34
208.75-210.25	63	1699	3.31	89.19
207.25-208.75	92	1636	4.83	85.88
205.75-207.25	80	1544	4.20	81.05
204.25-205.75	88	1464	4.62	76.85
202.75-204.25	124	1376	6.51	72.23
201.25-202.75	138	1252	7.24	65.72
199.75-201.25	105	1114	5.51	58.48
198.25-199.75	126	1009	6.61	52.97
196.75-198.25	120	883	6.30	46.35
195.25-196.75	141	763	7.40	40.05
193.75-195.25	99	622	5.20	32.65
192.25-193.75	117	523	6.14	27.45
190.75-192.25	85	406	4.46	21.31
189.25-190.75	69	321	3.62	16.85
187.75-189.25	57	252	2.99	13.23
186.25-187.75	64	195	3.36	10.24
184.75-186.25	51	131	2.68	6.88
183.25-184.75	34	80	1.78	4.20
181.75-183.25	21	46	1.10	2.41
180.25-181.75	13	25	0.68	1.31
178.75-180.25	4	12	0.21	0.63
177.25-178.75	4	8	0.21	0.42
175.75-177.25	3	4	0.16	0.21
174.25-175.75	1	1	0.05	0.05

*IN CENTIMETERS

CENTIMETERS		INCHES
199.23	MEAN VALUE	78.44
0.20	SE(MEAN)	0.08
8.56	SD DEVIATION	3.37
0.14	SE(SD DEV)	0.05

****

SYMMETRY---VETA I = 0.07
KURTOSIS---VETA II = 2.67
COEF. OF VARIATION = 4.3%

****

NUMBER OF SUBJECTS = 1905

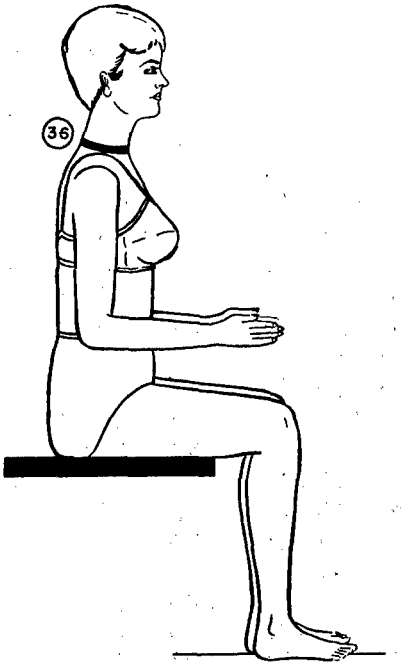
****

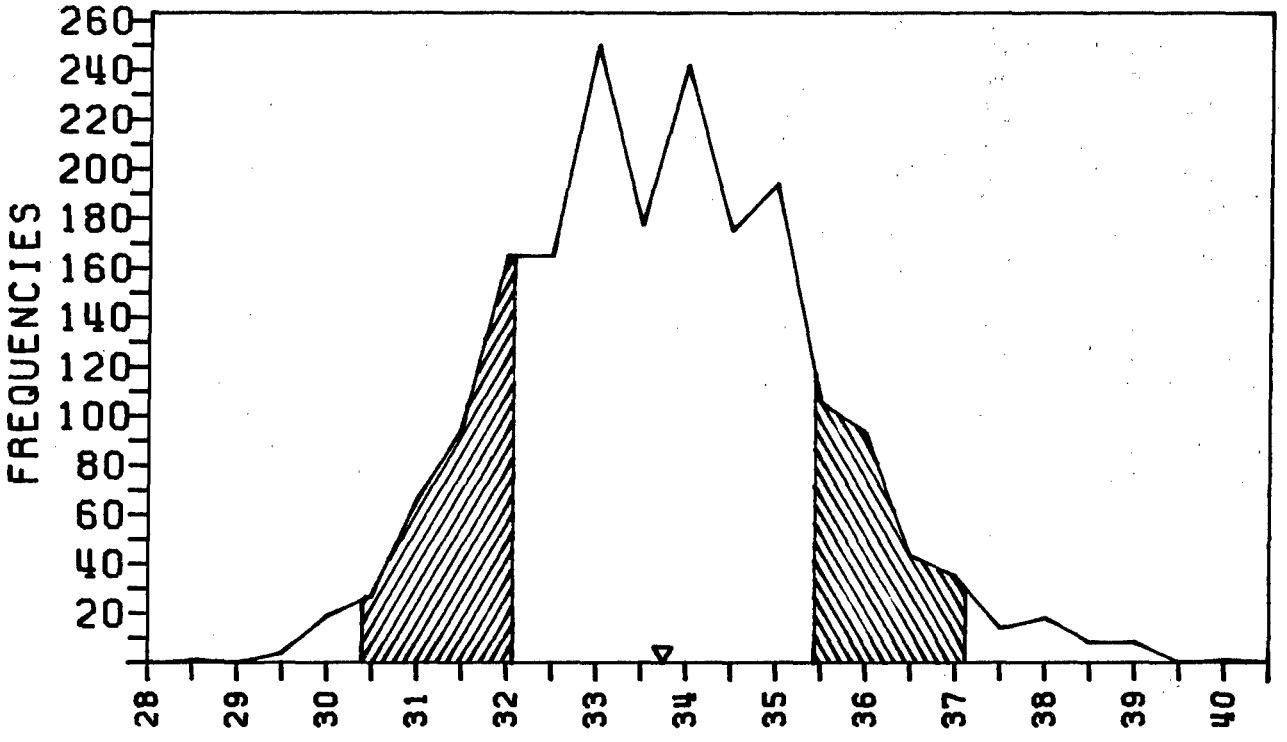
THE PERCENTILES

CENTIMETERS		INCHES
218.37	99TH	85.97
216.39	98TH	85.19
215.09	97TH	84.68
213.28	95TH	83.97
210.37	90TH	82.82
208.33	85TH	82.02
206.67	80TH	81.37
205.21	75TH	80.79
203.89	70TH	80.27
202.65	65TH	79.78
201.47	60TH	79.32
200.32	55TH	78.87
199.18	50TH	78.42
198.03	45TH	77.96
196.87	40TH	77.51
195.68	35TH	77.04
194.43	30TH	76.55
193.09	25TH	76.02
191.62	20TH	75.44
189.96	15TH	74.79
187.94	10TH	73.99
185.19	5TH	72.91
183.61	3RD	72.29
182.57	2ND	71.88
181.18	1ST	71.33

(36) NECK CIRCUMFERENCE

Subject sits erect, head in the Frankfort plane. A piece of dental tape is placed around the neck, passing over all four neck landmarks. The measurer marks off with her thumbnail a length of tape corresponding to the subject's neck circumference, and then measures this tape segment with a standard tape.





RANGES*	F	CUMF	FPCT	CUMPCT
39.75- 40.25	1	1905	0.05	100.00
39.25- 39.75	0	1904	0.00	99.95
38.75- 39.25	8	1904	0.42	99.95
38.25- 38.75	8	1896	0.42	99.53
37.75- 38.25	18	1888	0.94	99.11
37.25- 37.75	14	1870	0.73	98.16
36.75- 37.25	35	1856	1.84	97.43
36.25- 36.75	43	1821	2.26	95.59
35.75- 36.25	93	1778	4.88	93.33
35.25- 35.75	105	1685	5.51	88.45
34.75- 35.25	194	1580	10.18	82.94
34.25- 34.75	175	1386	9.19	72.76
33.75- 34.25	242	1211	12.70	63.57
33.25- 33.75	177	969	9.29	50.87
32.75- 33.25	250	792	13.12	41.57
32.25- 32.75	165	542	8.66	28.45
31.75- 32.25	165	377	8.66	19.79
31.25- 31.75	95	212	4.99	11.13
30.75- 31.25	66	117	3.46	6.14
30.25- 30.75	27	51	1.42	2.68
29.75- 30.25	19	24	1.00	1.26
29.25- 29.75	4	5	0.21	0.26
28.75- 29.25	0	1	0.00	0.05
28.25- 28.75	1	1	0.05	0.05

*IN CENTIMETERS

CENTIMETERS		INCHES
33.75	MEAN VALUE	13.29
0.04	SE(MEAN)	0.02
1.68	SD DEVIATION	0.66
0.03	SE(SD DEV)	0.01

****

SYMMETRY---VETA I = 0.30
KURTOSIS---VETA II = 3.10
COEF. OF VARIATION = 5.0%

****

NUMBER OF SUBJECTS = 1905

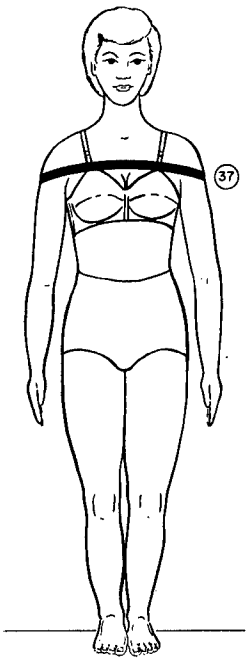
****

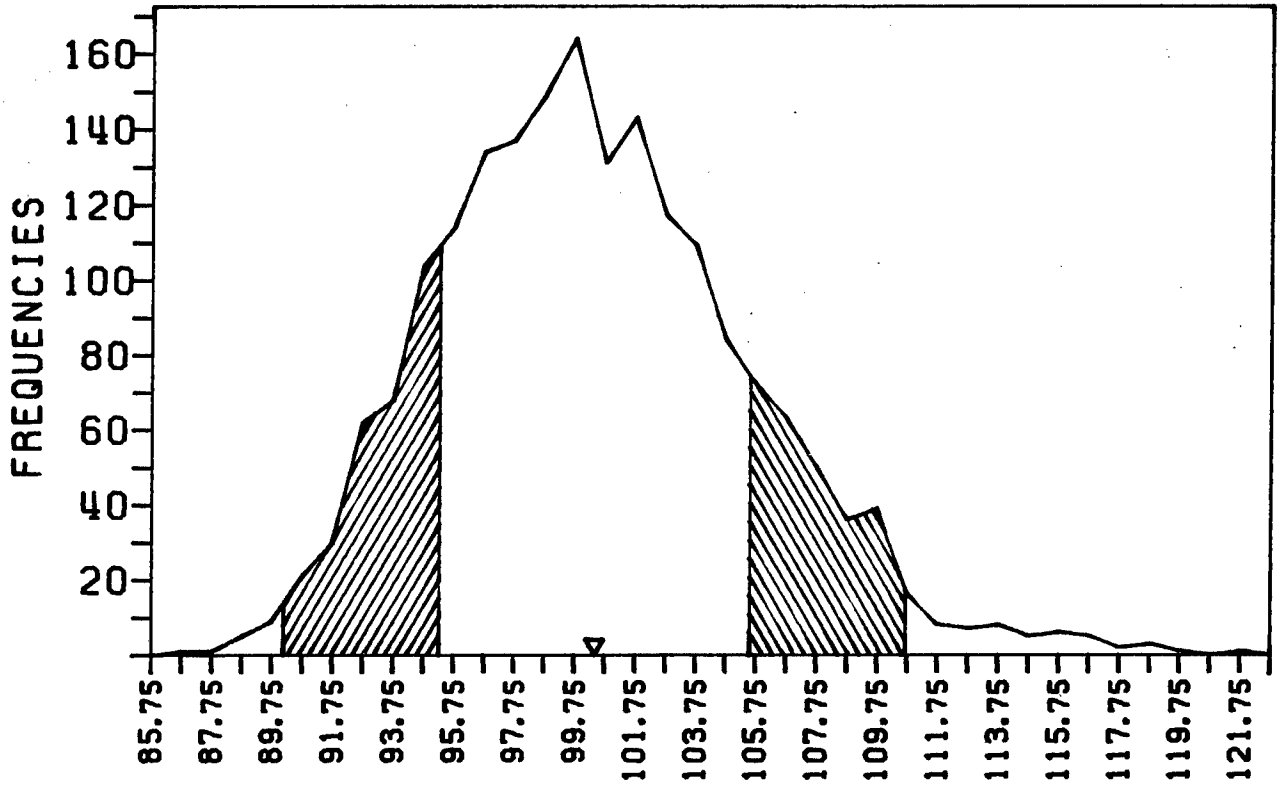
THE PERCENTILES

CENTIMETERS		INCHES
38.21	99TH	15.04
37.56	98TH	14.79
37.17	97TH	14.63
36.66	95TH	14.43
35.94	90TH	14.15
35.47	85TH	13.96
35.12	80TH	13.83
34.82	75TH	13.71
34.55	70TH	13.60
34.31	65TH	13.51
34.09	60TH	13.42
33.87	55TH	13.34
33.66	50TH	13.25
33.45	45TH	13.17
33.25	40TH	13.09
33.03	35TH	13.00
32.81	30TH	12.92
32.57	25TH	12.82
32.30	20TH	12.72
31.99	15TH	12.60
31.62	10TH	12.45
31.08	5TH	12.23
30.74	3RD	12.10
30.51	2ND	12.01
30.15	1ST	11.87

(37) SHOULDER CIRCUMFERENCE

Subject stands erect looking straight ahead, arms relaxed at sides, heels together, and weight distributed equally on both feet. With a tape held in a horizontal plane, measure the circumference of the body at the level of the deltoid landmark.





RANGES*	F	CUMF	FPCT	CUMPCT
121.25-122.25	1	1905	0.05	100.00
120.25-121.25	0	1904	0.00	99.95
119.25-120.25	1	1904	0.05	99.95
118.25-119.25	3	1903	0.16	99.90
117.25-118.25	2	1900	0.10	99.74
116.25-117.25	5	1898	0.26	99.63
115.25-116.25	6	1893	0.31	99.37
114.25-115.25	5	1887	0.26	99.06
113.25-114.25	8	1882	0.42	98.79
112.25-113.25	7	1874	0.37	98.37
111.25-112.25	8	1867	0.42	98.01
110.25-111.25	16	1859	0.84	97.59
109.25-110.25	39	1843	2.05	96.75
108.25-109.25	36	1804	1.89	94.70
107.25-108.25	50	1768	2.62	92.81
106.25-107.25	63	1718	3.31	90.18
105.25-106.25	72	1655	3.78	86.88
104.25-105.25	84	1583	4.41	83.10
103.25-104.25	109	1499	5.72	78.69
102.25-103.25	117	1390	6.14	72.97
101.25-102.25	143	1273	7.51	66.82
100.25-101.25	131	1130	6.88	59.32
99.25-100.25	164	999	8.61	52.44
98.25- 99.25	149	835	7.82	43.83
97.25- 98.25	137	686	7.19	36.01
96.25- 97.25	134	549	7.03	28.82
95.25- 96.25	114	415	5.98	21.78
94.25- 95.25	104	301	5.46	15.80
93.25- 94.25	68	197	3.57	10.34
92.25- 93.25	62	129	3.25	6.77
91.25- 92.25	30	67	1.57	3.52
90.25- 91.25	21	37	1.10	1.94
89.25- 90.25	9	16	0.47	0.84
88.25- 89.25	5	7	0.26	0.37
87.25- 88.25	1	2	0.05	0.10
86.25- 87.25	1	1	0.05	0.05

*IN CENTIMETERS

CENTIMETERS		INCHES
100.41	MEAN VALUE	39.53
0.12	SE(MEAN)	0.05
5.14	SD DEVIATION	2.02
0.08	SE(SD DEV)	0.03

****

SYMMETRY---VETA I = 0.50
KURTOSIS---VETA II = 3.40
COEF. OF VARIATION = 5.1%

****

NUMBER OF SUBJECTS = 1905

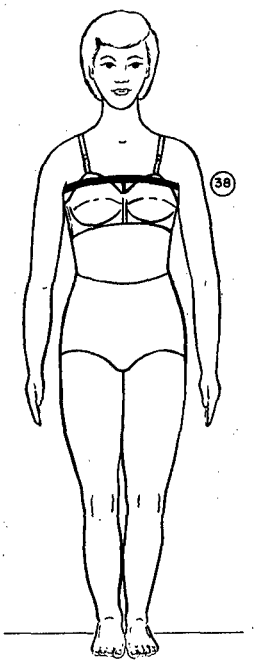
****

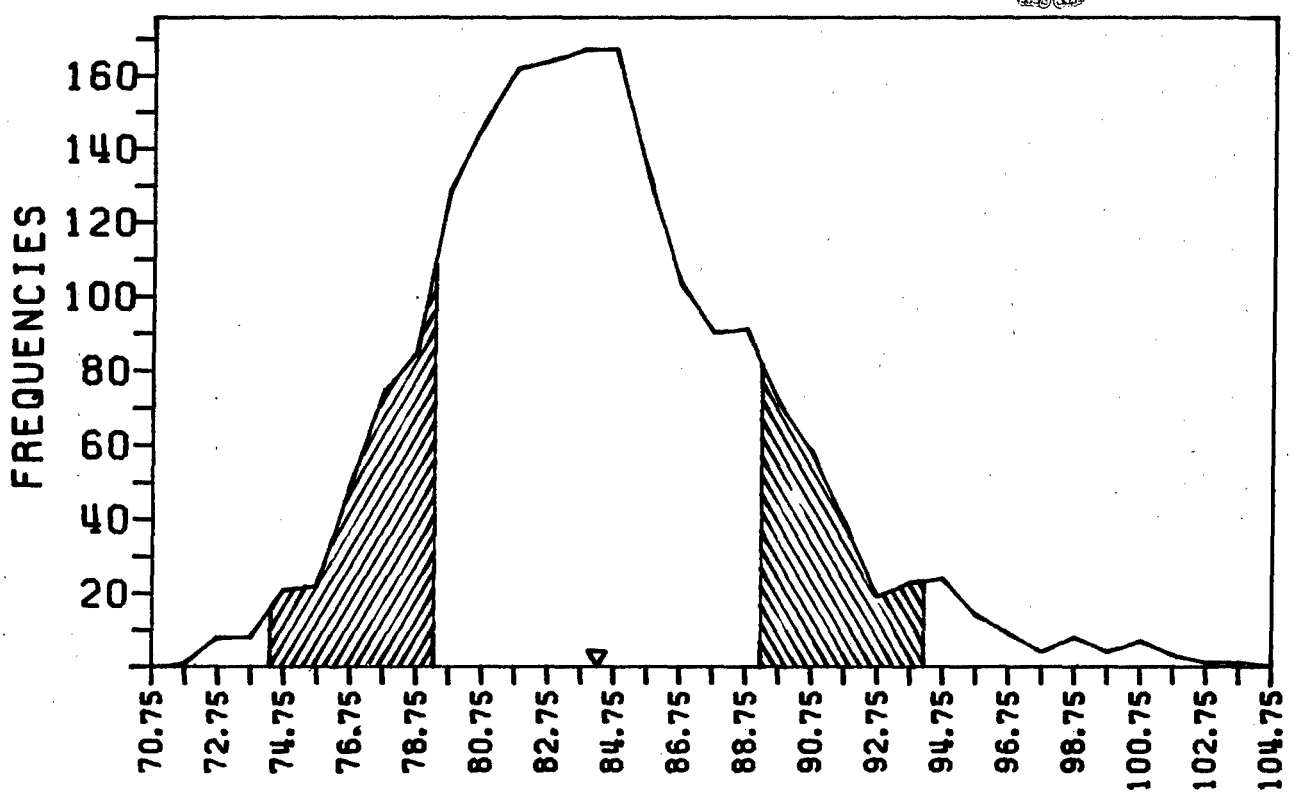
THE PERCENTILES

CENTIMETERS		INCHES
114.72	99TH	45.16
112.41	98TH	44.26
111.07	97TH	43.73
109.38	95TH	43.06
107.02	90TH	42.13
105.55	85TH	41.56
104.45	80TH	41.12
103.53	75TH	40.76
102.73	70TH	40.44
102.00	65TH	40.16
101.32	60TH	39.89
100.67	55TH	39.64
100.04	50TH	39.39
99.42	45TH	39.14
98.79	40TH	38.90
98.16	35TH	38.64
97.49	30TH	38.38
96.78	25TH	38.10
96.01	20TH	37.80
95.13	15TH	37.45
94.07	10TH	37.04
92.62	5TH	36.47
91.79	3RD	36.14
91.25	2ND	35.92
90.53	1ST	35.64

(38) CHEST CIRCUMFERENCE AT SCYE

Subject stands erect looking straight ahead, heels together, weight distributed equally on both feet, and arms abducted sufficiently to allow passage of a tape between arms and trunk. With a tape held in a horizontal plane, measure the circumference of the trunk at the level of the horizontal scye landmarks. The reading is made at the point of maximum quiet inspiration.





RANGES*	F	CUMF	FPCT	CUMPCT
103.25-104.25	1	1905	0.05	100.00
102.25-103.25	1	1904	0.05	99.95
101.25-102.25	3	1903	0.16	99.90
100.25-101.25	7	1900	0.37	99.74
99.25-100.25	4	1893	0.21	99.37
98.25- 99.25	8	1889	0.42	99.16
97.25- 98.25	4	1881	0.21	98.74
96.25- 97.25	9	1877	0.47	98.53
95.25- 96.25	14	1868	0.73	98.06
94.25- 95.25	24	1854	1.26	97.32
93.25- 94.25	23	1830	1.21	96.06
92.25- 93.25	19	1807	1.00	94.86
91.25- 92.25	39	1788	2.05	93.86
90.25- 91.25	58	1749	3.04	91.81
89.25- 90.25	71	1691	3.73	88.77
88.25- 89.25	91	1620	4.78	85.04
87.25- 88.25	90	1529	4.72	80.26
86.25- 87.25	103	1439	5.41	75.54
85.25- 86.25	132	1336	6.93	70.13
84.25- 85.25	167	1204	8.77	63.20
83.25- 84.25	167	1037	8.77	54.44
82.25- 83.25	164	870	8.61	45.67
81.25- 82.25	162	706	8.50	37.06
80.25- 81.25	147	544	7.72	28.56
79.25- 80.25	129	397	6.77	20.84
78.25- 79.25	85	268	4.46	14.07
77.25- 78.25	74	183	3.88	9.61
76.25- 77.25	49	109	2.57	5.72
75.25- 76.25	22	60	1.15	3.15
74.25- 75.25	21	38	1.10	1.99
73.25- 74.25	8	17	0.42	0.89
72.25- 73.25	8	9	0.42	0.47
71.25- 72.25	1	1	0.05	0.05

*IN CENTIMETERS

CENTIMETERS		INCHES
84.25	MEAN VALUE	33.17
0.11	SE(MEAN)	0.04
4.96	SD DEVIATION	1.95
0.08	SE(SD DEV)	0.03

****

SYMMETRY---VETA I = 0.61
KURTOSIS---VETA II = 3.66
COEF. OF VARIATION = 5.9%

****

NUMBER OF SUBJECTS = 1905

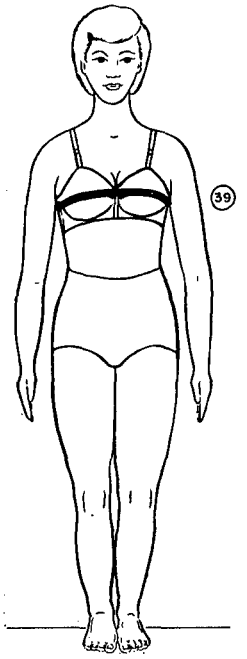
****

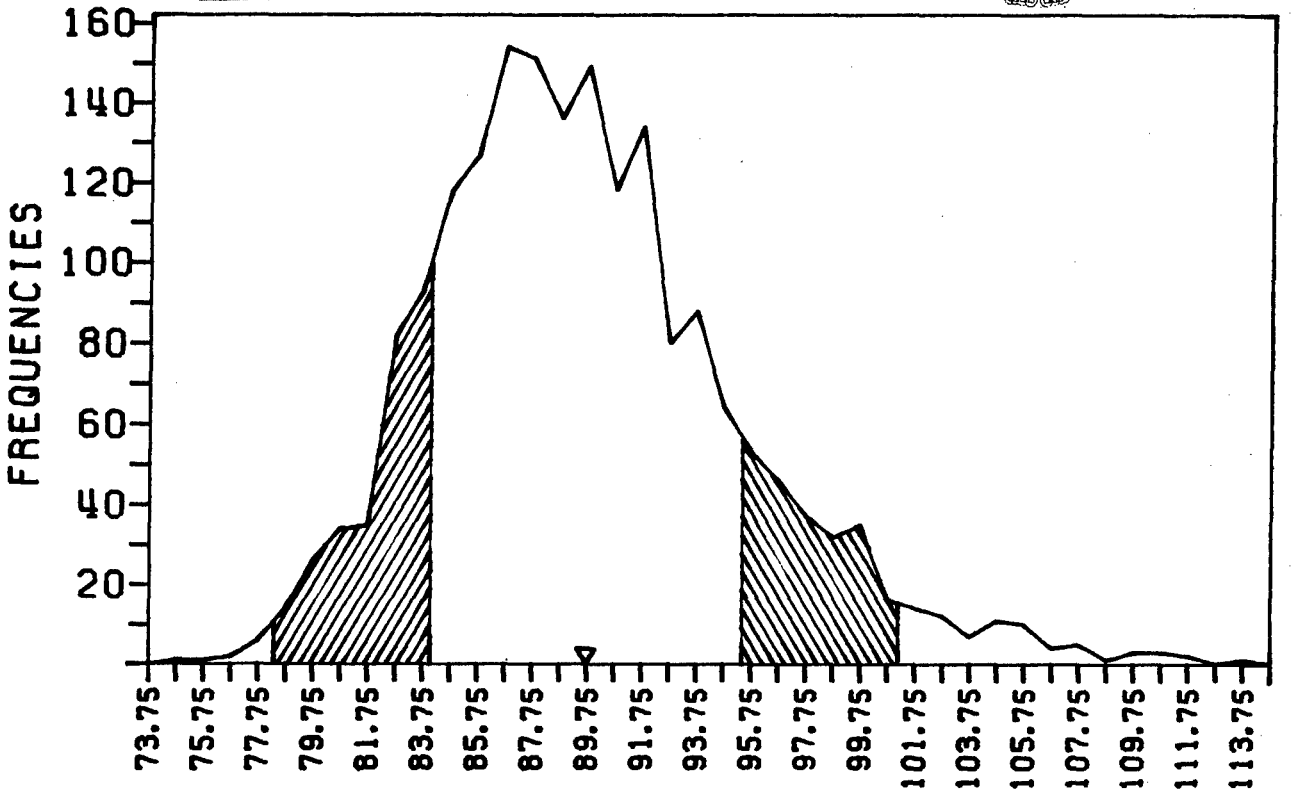
THE PERCENTILES

CENTIMETERS		INCHES
98.76	99TH	38.88
96.40	98TH	37.95
95.01	97TH	37.40
93.23	95TH	36.70
90.73	90TH	35.72
89.19	85TH	35.11
88.05	80TH	34.67
87.11	75TH	34.30
86.31	70TH	33.98
85.59	65TH	33.70
84.94	60TH	33.44
84.32	55TH	33.20
83.73	50TH	32.97
83.16	45TH	32.74
82.59	40TH	32.51
82.01	35TH	32.29
81.42	30TH	32.06
80.80	25TH	31.81
80.11	20TH	31.54
79.33	15TH	31.23
78.37	10TH	30.85
76.96	5TH	30.30
76.05	3RD	29.94
75.38	2ND	29.68
74.31	1ST	29.26

(39) BUST CIRCUMFERENCE

Subject stands erect looking straight ahead, heels together, and weight distributed equally on both feet. The arms are abducted sufficiently to allow clearance of a tape between the arms and trunk. With a tape held in a horizontal plane, measure the circumference of the trunk at the level of the bustpoint landmarks. The reading is made at the point of maximum quiet inspiration.





RANGES*	F	CUMF	FPCT	CUMPCT
113.25-114.25	1	1905	0.05	100.00
112.25-113.25	0	1904	0.00	99.95
111.25-112.25	2	1904	0.10	99.95
110.25-111.25	3	1902	0.16	99.84
109.25-110.25	3	1899	0.16	99.69
108.25-109.25	1	1896	0.05	99.53
107.25-108.25	5	1895	0.26	99.48
106.25-107.25	4	1890	0.21	99.21
105.25-106.25	10	1886	0.52	99.00
104.25-105.25	11	1876	0.58	98.48
103.25-104.25	7	1865	0.37	97.90
102.25-103.25	12	1858	0.63	97.53
101.25-102.25	14	1846	0.73	96.90
100.25-101.25	16	1832	0.84	96.17
99.25-100.25	35	1816	1.84	95.33
98.25- 99.25	32	1781	1.68	93.49
97.25- 98.25	37	1749	1.94	91.81
96.25- 97.25	46	1712	2.41	89.87
95.25- 96.25	53	1666	2.78	87.45
94.25- 95.25	64	1613	3.36	84.67
93.25- 94.25	88	1549	4.62	81.31
92.25- 93.25	80	1461	4.20	76.69
91.25- 92.25	134	1381	7.03	72.49
90.25- 91.25	118	1247	6.19	65.46
89.25- 90.25	149	1129	7.82	59.27
88.25- 89.25	136	980	7.14	51.44
87.25- 88.25	151	844	7.93	44.30
86.25- 87.25	154	693	8.08	36.38
85.25- 86.25	127	539	6.67	28.29
84.25- 85.25	118	412	6.19	21.63
83.25- 84.25	93	294	4.88	15.43
82.25- 83.25	82	201	4.30	10.55
81.25- 82.25	35	119	1.84	6.25
80.25- 81.25	34	84	1.78	4.41
79.25- 80.25	26	50	1.36	2.62
78.25- 79.25	14	24	0.73	1.26
77.25- 78.25	6	10	0.31	0.52
76.25- 77.25	2	4	0.10	0.21
75.25- 76.25	1	2	0.05	0.10
74.25- 75.25	1	1	0.05	0.05

*IN CENTIMETERS

CENTIMETERS		INCHES
89.73	MEAN VALUE	35.33
0.13	SE(MEAN)	0.05
5.70	SD DEVIATION	2.24
0.09	SE(SD DEV)	0.04

****

SYMMETRY---VETA I = 0.74
KURTOSIS---VETA II = 3.87
COEF. OF VARIATION = 6.3%

****

NUMBER OF SUBJECTS = 1905

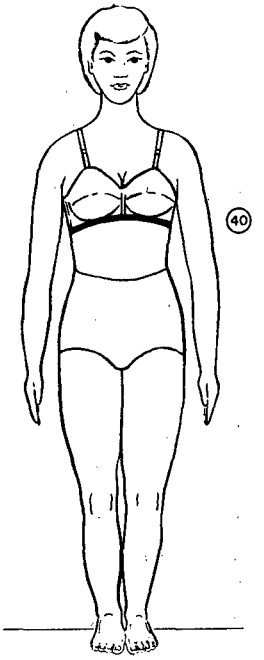
****

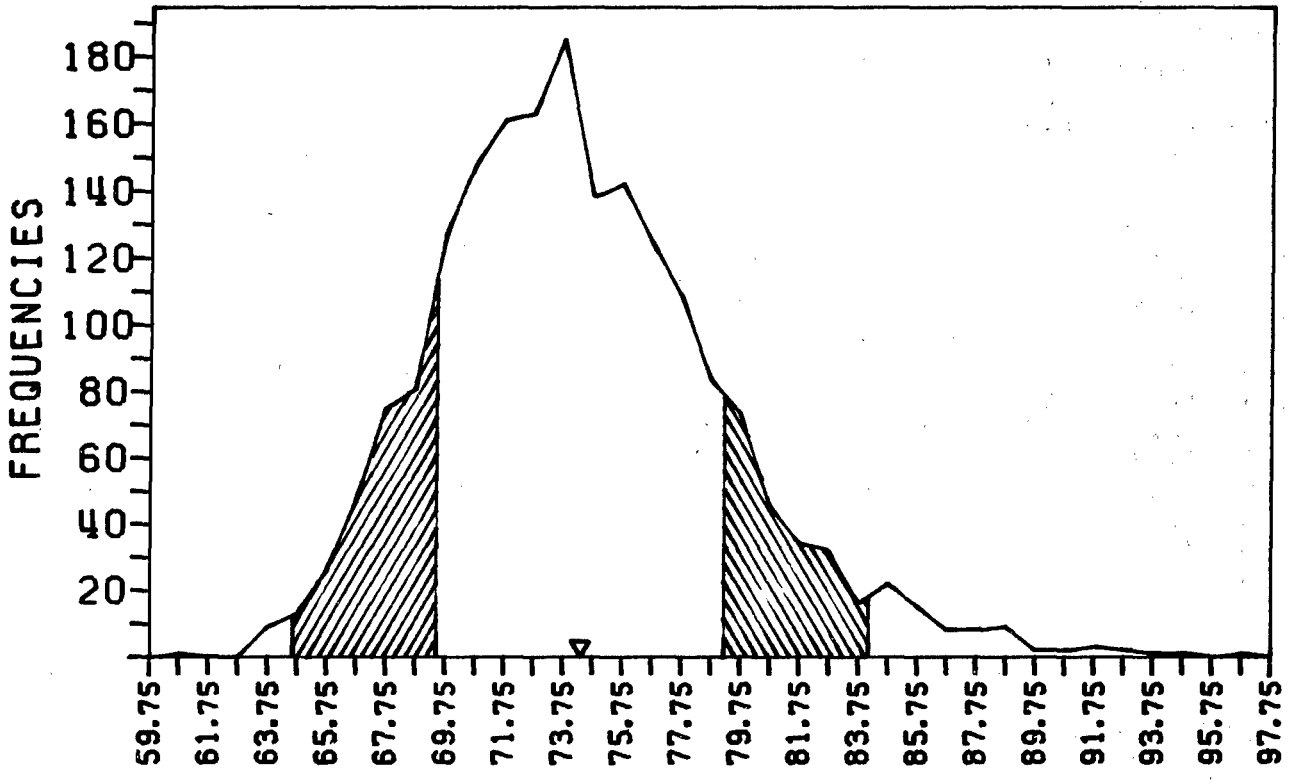
THE PERCENTILES

CENTIMETERS		INCHES
106.58	99TH	41.96
103.91	98TH	40.91
102.30	97TH	40.28
100.23	95TH	39.46
97.27	90TH	38.29
95.43	85TH	37.57
94.07	80TH	37.04
92.95	75TH	36.60
92.00	70TH	36.22
91.16	65TH	35.89
90.39	60TH	35.59
89.67	55TH	35.30
88.99	50TH	35.04
88.33	45TH	34.78
87.69	40TH	34.52
87.04	35TH	34.27
86.39	30TH	34.01
85.70	25TH	33.74
84.96	20TH	33.45
84.12	15TH	33.12
83.10	10TH	32.72
81.61	5TH	32.13
80.64	3RD	31.75
79.91	2ND	31.46
78.72	1ST	30.99

(40) CHEST CIRCUMFERENCE, BELOW BUST

Subject stands erect looking straight ahead, heels together, and weight distributed equally on both feet. The arms are abducted sufficiently to allow clearance of a tape between the arms and trunk. With a tape held in a horizontal plane, measure the circumference of the trunk at a level just below the cups of the bra. The reading is made at the point of maximum quiet inspiration.





RANGES*	F	CUMF	FPCT	CUMPCT
96.25- 97.25	1	1905	0.05	100.00
95.25- 96.25	0	1904	0.00	99.95
94.25- 95.25	1	1904	0.05	99.95
93.25- 94.25	1	1903	0.05	99.90
92.25- 93.25	2	1902	0.10	99.84
91.25- 92.25	3	1900	0.16	99.74
90.25- 91.25	2	1897	0.10	99.58
89.25- 90.25	2	1895	0.10	99.48
88.25- 89.25	9	1893	0.47	99.37
87.25- 88.25	8	1884	0.42	98.90
86.25- 87.25	8	1876	0.42	98.48
85.25- 86.25	15	1868	0.79	98.06
84.25- 85.25	22	1853	1.15	97.27
83.25- 84.25	16	1831	0.84	96.12
82.25- 83.25	32	1815	1.68	95.28
81.25- 82.25	34	1783	1.78	93.60
80.25- 81.25	45	1749	2.36	91.81
79.25- 80.25	73	1704	3.83	89.45
78.25- 79.25	83	1631	4.36	85.62
77.25- 78.25	108	1548	5.67	81.26
76.25- 77.25	124	1440	6.51	75.59
75.25- 76.25	142	1316	7.45	69.08
74.25- 75.25	138	1174	7.24	61.63
73.25- 74.25	185	1036	9.71	54.38
72.25- 73.25	163	851	8.56	44.67
71.25- 72.25	161	688	8.45	36.12
70.25- 71.25	148	527	7.77	27.66
69.25- 70.25	127	379	6.67	19.90
68.25- 69.25	81	252	4.25	13.23
67.25- 68.25	75	171	3.94	8.98
66.25- 67.25	47	96	2.47	5.04
65.25- 66.25	26	49	1.36	2.57
64.25- 65.25	13	23	0.68	1.21
63.25- 64.25	9	10	0.47	0.52
62.25- 63.25	0	1	0.00	0.05
61.25- 62.25	0	1	0.00	0.05
60.25- 61.25	1	1	0.05	0.05

*IN CENTIMETERS

CENTIMETERS		INCHES
74.33	MEAN VALUE	29.26
0.11	SE(MEAN)	0.04
4.87	SD DEVIATION	1.92
0.08	SE(SD DEV)	0.03

****

SYMMETRY---VETA I = 0.68
KURTOSIS---VETA II = 3.87
COEF. OF VARIATION = 6.5%

****

NUMBER OF SUBJECTS = 1905

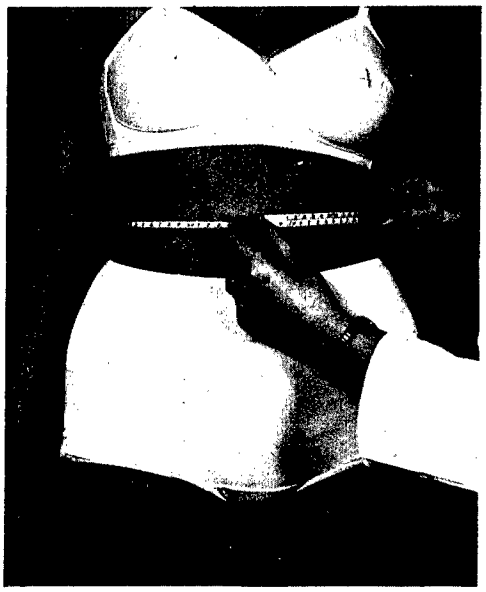
****

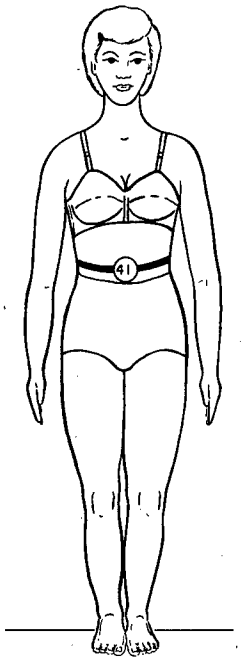
THE PERCENTILES

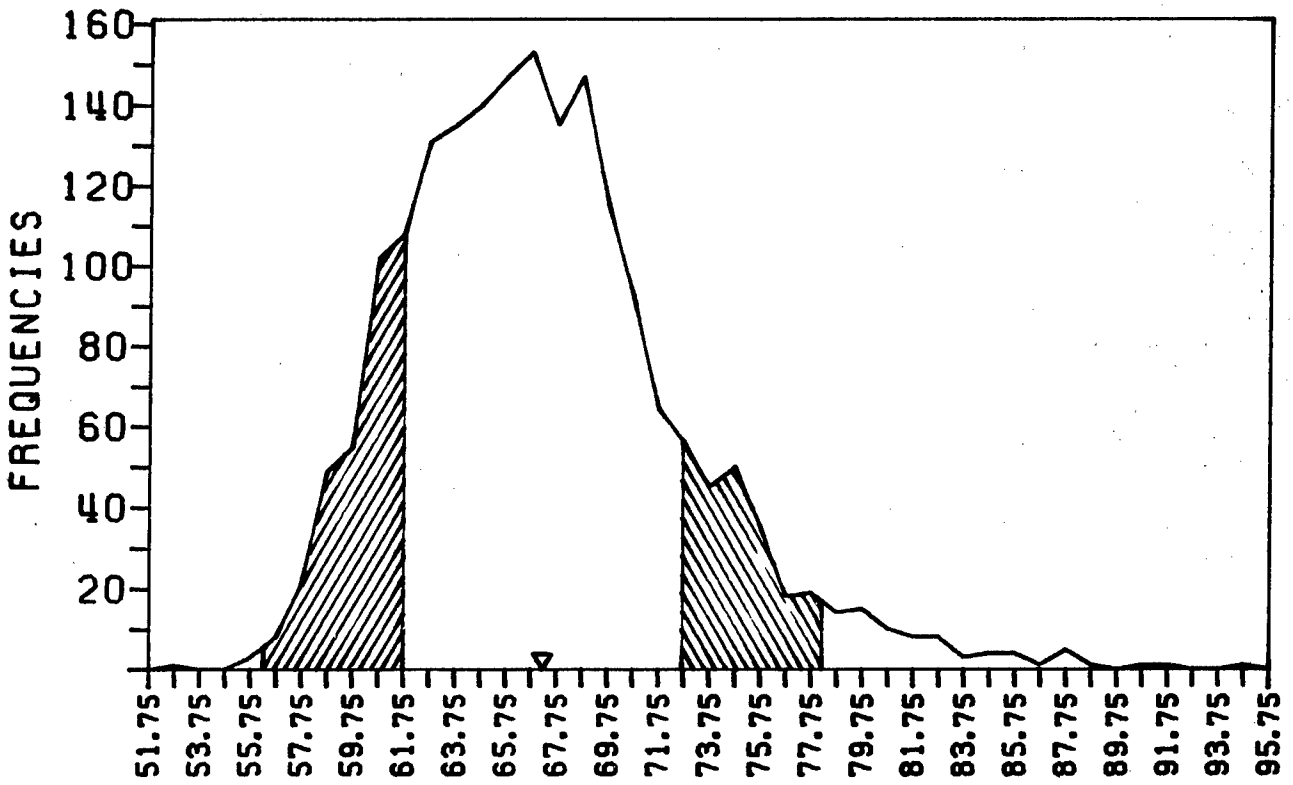
CENTIMETERS		INCHES
88.53	99TH	34.85
86.19	98TH	33.93
84.82	97TH	33.39
83.08	95TH	32.71
80.65	90TH	31.75
79.15	85TH	31.16
78.04	80TH	30.73
77.13	75TH	30.37
76.34	70TH	30.06
75.65	65TH	29.78
75.00	60TH	29.53
74.40	55TH	29.29
73.82	50TH	29.06
73.25	45TH	28.84
72.69	40TH	28.62
72.12	35TH	28.39
71.54	30TH	28.16
70.92	25TH	27.92
70.25	20TH	27.66
69.49	15TH	27.36
68.55	10TH	26.99
67.23	5TH	26.47
66.41	3RD	26.15
65.83	2ND	25.92
64.95	1ST	25.57

(41) WAIST CIRCUMFERENCE

Subject stands erect looking straight ahead, heels together, and weight distributed equally on both feet. With a tape held in a horizontal plane, measure the circumference of the trunk at the level of the waist landmarks. The reading is made at the point of maximum quiet inspiration. The subject must not pull in her stomach.







RANGES*	F	CUMF	FPCT	CUMPCT
94.25- 95.25	1	1905	0.05	100.00
93.25- 94.25	0	1904	0.00	99.95
92.25- 93.25	0	1904	0.00	99.95
91.25- 92.25	1	1904	0.05	99.95
90.25- 91.25	1	1903	0.05	99.90
89.25- 90.25	0	1902	0.00	99.84
88.25- 89.25	1	1902	0.05	99.84
87.25- 88.25	5	1901	0.26	99.79
86.25- 87.25	1	1896	0.05	99.53
85.25- 86.25	4	1895	0.21	99.48
84.25- 85.25	4	1891	0.21	99.27
83.25- 84.25	3	1887	0.16	99.06
82.25- 83.25	8	1884	0.42	98.90
81.25- 82.25	8	1876	0.42	98.48
80.25- 81.25	10	1868	0.52	98.06
79.25- 80.25	15	1858	0.79	97.53
78.25- 79.25	14	1843	0.73	96.75
77.25- 78.25	19	1829	1.00	96.01
76.25- 77.25	18	1810	0.94	95.01
75.25- 76.25	35	1792	1.84	94.07
74.25- 75.25	50	1757	2.62	92.23
73.25- 74.25	45	1707	2.36	89.61
72.25- 73.25	56	1662	2.94	87.24
71.25- 72.25	64	1606	3.36	84.30
70.25- 71.25	92	1542	4.83	80.94
69.25- 70.25	115	1450	6.04	76.12
68.25- 69.25	147	1335	7.72	70.08
67.25- 68.25	135	1188	7.09	62.36
66.25- 67.25	153	1053	8.03	55.28
65.25- 66.25	147	900	7.72	47.24
64.25- 65.25	140	753	7.35	39.53
63.25- 64.25	135	613	7.09	32.18
62.25- 63.25	131	478	6.88	25.09
61.25- 62.25	108	347	5.67	18.22
60.25- 61.25	102	239	5.35	12.55
59.25- 60.25	55	137	2.89	7.19
58.25- 59.25	49	82	2.57	4.30
57.25- 58.25	21	33	1.10	1.73
56.25- 57.25	8	12	0.42	0.63
55.25- 56.25	3	4	0.16	0.21
54.25- 55.25	0	1	0.00	0.05
53.25- 54.25	0	1	0.00	0.05
52.25- 53.25	1	1	0.05	0.05

*IN CENTIMETERS

CENTIMETERS		INCHES
67.20	MEAN VALUE	26.46
0.13	SE(MEAN)	0.05
5.48	SD DEVIATION	2.16
0.09	SE(SD DEV)	0.03

****

SYMMETRY---VETA I = 0.88
KURTOSIS---VETA II = 4.36
COEF. OF VARIATION = 8.1%

****

NUMBER OF SUBJECTS = 1905

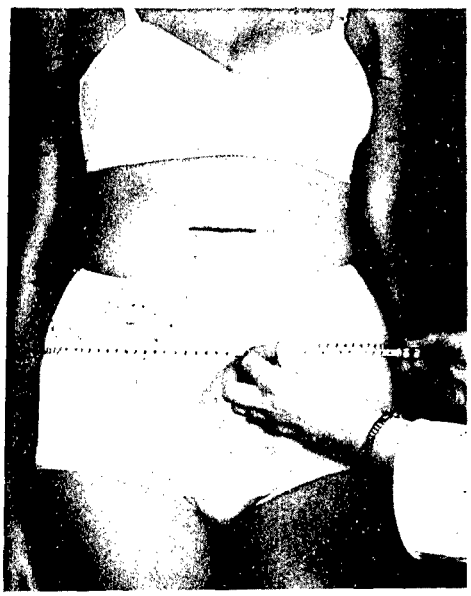
****

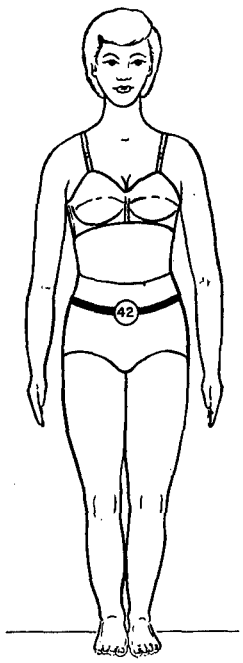
THE PERCENTILES

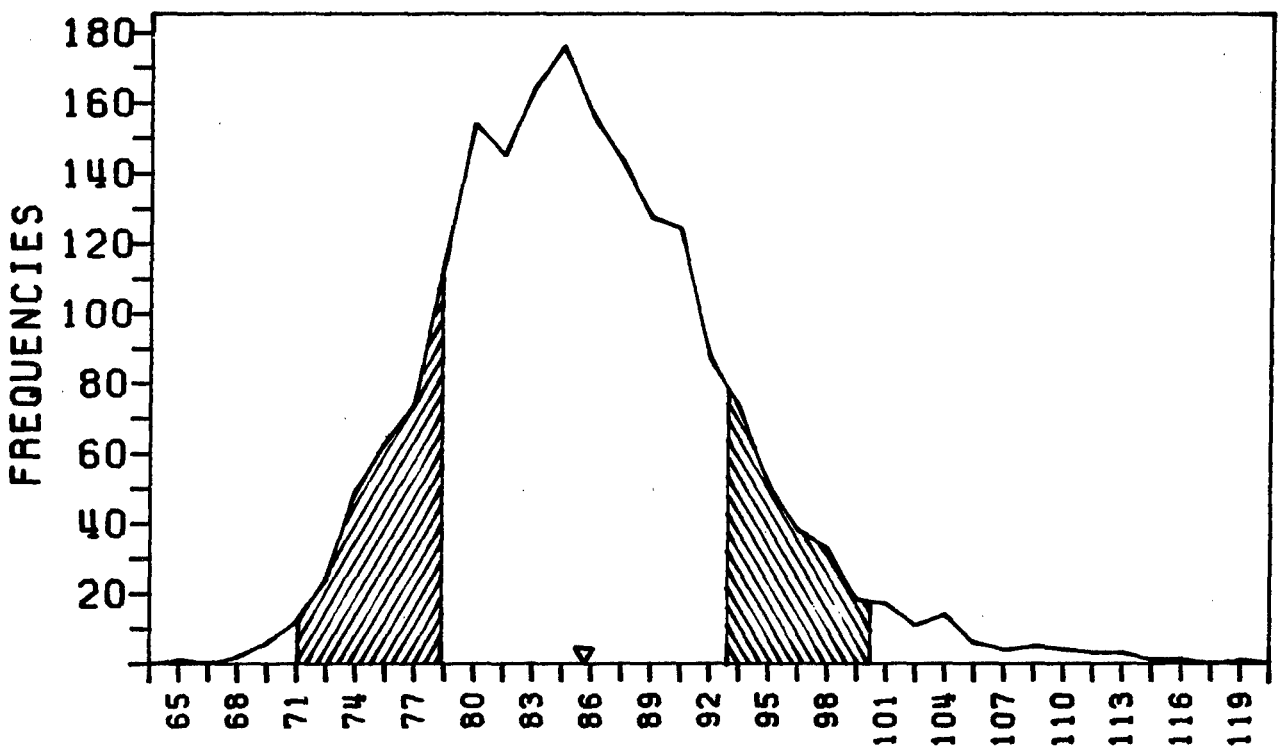
CENTIMETERS		INCHES
84.03	99TH	33.08
81.08	98TH	31.92
79.37	97TH	31.25
77.24	95TH	30.41
74.32	90TH	29.26
72.57	85TH	28.57
71.28	80TH	28.06
70.23	75TH	27.65
69.34	70TH	27.30
68.54	65TH	26.99
67.82	60TH	26.70
67.14	55TH	26.43
66.48	50TH	26.17
65.85	45TH	25.93
65.23	40TH	25.68
64.60	35TH	25.43
63.96	30TH	25.18
63.29	25TH	24.92
62.57	20TH	24.63
61.76	15TH	24.32
60.80	10TH	23.94
59.50	5TH	23.43
58.76	3RD	23.13
58.27	2ND	22.94
57.61	1ST	22.68

(42) ABDOMINAL EXTENSION CIRCUMFERENCE

Subject stands erect looking straight ahead, heels together, and weight distributed equally on both feet. With a tape held in a horizontal plane, measure the circumference of the trunk at the level of the abdominal extension landmark. The reading is made at the point of maximum quiet inspiration. The subject must not pull in her stomach.







RANGES*	F	CUMF	FPCT	CUMPCT
118.25-119.75	1	1905	0.05	100.00
116.75-118.25	0	1904	0.00	99.95
115.25-116.75	1	1904	0.05	99.95
113.75-115.25	1	1903	0.05	99.90
112.25-113.75	3	1902	0.16	99.84
110.75-112.25	3	1899	0.16	99.69
109.25-110.75	4	1896	0.21	99.53
107.75-109.25	5	1892	0.26	99.32
106.25-107.75	4	1887	0.21	99.06
104.75-106.25	6	1883	0.31	98.85
103.25-104.75	14	1877	0.73	98.53
101.75-103.25	11	1863	0.58	97.80
100.25-101.75	17	1852	0.89	97.22
98.75-100.25	18	1835	0.94	96.33
97.25- 98.75	33	1817	1.73	95.38
95.75- 97.25	38	1784	1.99	93.65
94.25- 95.75	51	1746	2.68	91.65
92.75- 94.25	73	1695	3.83	88.98
91.25- 92.75	87	1622	4.57	85.14
89.75- 91.25	124	1535	6.51	80.58
88.25- 89.75	127	1411	6.67	74.07
86.75- 88.25	143	1284	7.51	67.40
85.25- 86.75	156	1141	8.19	59.90
83.75- 85.25	176	985	9.24	51.71
82.25- 83.75	164	809	8.61	42.47
80.75- 82.25	145	645	7.61	33.86
79.25- 80.75	154	500	8.08	26.25
77.75- 79.25	115	346	6.04	18.16
76.25- 77.75	74	231	3.88	12.13
74.75- 76.25	63	157	3.31	8.24
73.25- 74.75	49	94	2.57	4.93
71.75- 73.25	24	45	1.26	2.36
70.25- 71.75	12	21	0.63	1.10
68.75- 70.25	6	9	0.31	0.47
67.25- 68.75	2	3	0.10	0.16
65.75- 67.25	0	1	0.00	0.05
64.25- 65.75	1	1	0.05	0.05

*IN CENTIMETERS

CENTIMETERS		INCHES
85.64	MEAN VALUE	33.72
0.17	SE(MEAN)	0.07
7.28	SD DEVIATION	2.87
0.12	SE(SD DEV)	0.05

****

SYMMETRY---VETA I = 0.65
KURTOSIS---VETA II = 3.93
COEF. OF VARIATION = 8.5%

****

NUMBER OF SUBJECTS = 1905

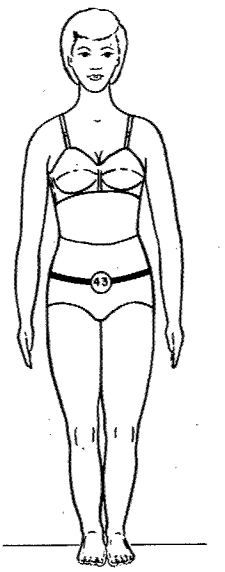
****

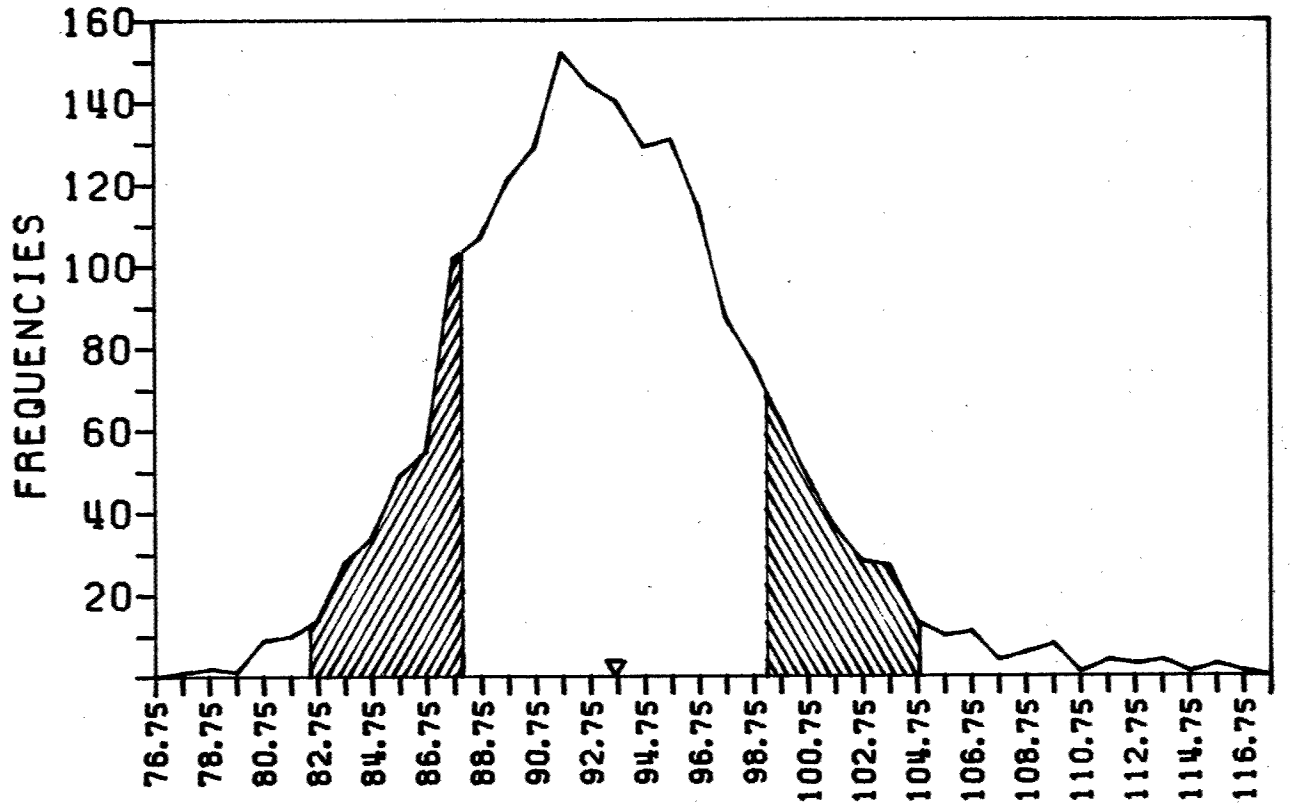
THE PERCENTILES

CENTIMETERS		INCHES
107.41	99TH	42.29
103.52	98TH	40.76
101.32	97TH	39.89
98.60	95TH	38.82
94.93	90TH	37.38
92.74	85TH	36.51
91.14	80TH	35.88
89.82	75TH	35.36
88.70	70TH	34.92
87.69	65TH	34.52
86.76	60TH	34.16
85.87	55TH	33.81
85.02	50TH	33.47
84.17	45TH	33.14
83.33	40TH	32.81
82.48	35TH	32.47
81.58	30TH	32.12
80.63	25TH	31.74
79.57	20TH	31.33
78.38	15TH	30.86
76.90	10TH	30.28
74.83	5TH	29.46
73.59	3RD	28.97
72.74	2ND	28.64
71.57	1ST	28.18

(43) HIP CIRCUMFERENCE - SEVEN INCHES BELOW WAIST LEVEL

Subject stands erect looking straight ahead, heels together, and weight distributed equally on both feet. With a tape held in a horizontal plane, measure the circumference of the trunk at the level of the 7-inch hip landmarks. The reading is made at the point of maximum quiet inspiration. The subject must not pull in her stomach.





RANGES*	F	CUMF	FPCT	CUMPCT
116.25-117.25	1	1905	0.05	100.00
115.25-116.25	3	1904	0.16	99.95
114.25-115.25	1	1901	0.05	99.79
113.25-114.25	4	1900	0.21	99.74
112.25-113.25	3	1896	0.16	99.53
111.25-112.25	4	1893	0.21	99.37
110.25-111.25	1	1889	0.05	99.16
109.25-110.25	8	1888	0.42	99.11
108.25-109.25	6	1880	0.31	98.69
107.25-108.25	4	1874	0.21	98.37
106.25-107.25	11	1870	0.58	98.16
105.25-106.25	10	1859	0.52	97.59
104.25-105.25	13	1849	0.68	97.06
103.25-104.25	27	1836	1.42	96.38
102.25-103.25	28	1809	1.47	94.96
101.25-102.25	36	1781	1.89	93.49
100.25-101.25	48	1745	2.52	91.60
99.25-100.25	62	1697	3.25	89.08
98.25- 99.25	76	1635	3.99	85.83
97.25- 98.25	87	1559	4.57	81.84
96.25- 97.25	114	1472	5.98	77.27
95.25- 96.25	131	1358	6.88	71.29
94.25- 95.25	129	1227	6.77	64.41
93.25- 94.25	140	1098	7.35	57.64
92.25- 93.25	144	958	7.56	50.29
91.25- 92.25	152	814	7.98	42.73
90.25- 91.25	129	662	6.77	34.75
89.25- 90.25	121	533	6.35	27.98
88.25- 89.25	107	412	5.62	21.63
87.25- 88.25	102	305	5.35	16.01
86.25- 87.25	55	203	2.89	10.66
85.25- 86.25	49	148	2.57	7.77
84.25- 85.25	34	99	1.78	5.20
83.25- 84.25	28	65	1.47	3.41
82.25- 83.25	14	37	0.73	1.94
81.25- 82.25	10	23	0.52	1.21
80.25- 81.25	9	13	0.47	0.68
79.25- 80.25	1	4	0.05	0.21
78.25- 79.25	2	3	0.10	0.16
77.25- 78.25	1	1	0.05	0.05

*IN CENTIMETERS

CENTIMETERS		INCHES
93.64	MEAN VALUE	36.86
0.13	SE(MEAN)	0.05
5.59	SD DEVIATION	2.20
0.09	SE(SD DEV)	0.04

****

SYMMETRY---VETA I = 0.57
KURTOSIS---VETA II = 3.93
COEF. OF VARIATION = 6.0%

****

NUMBER OF SUBJECTS = 1905

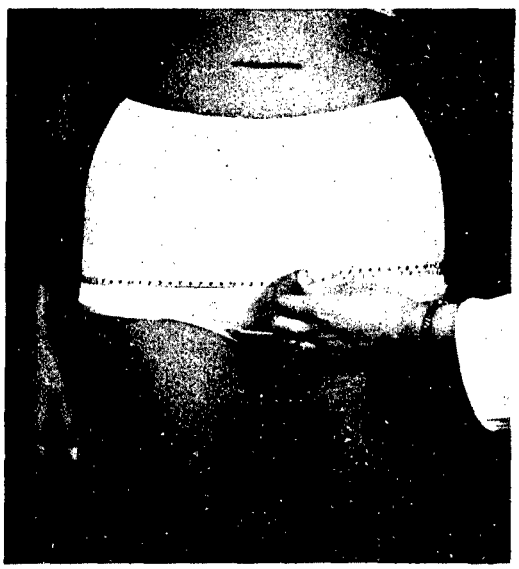
****

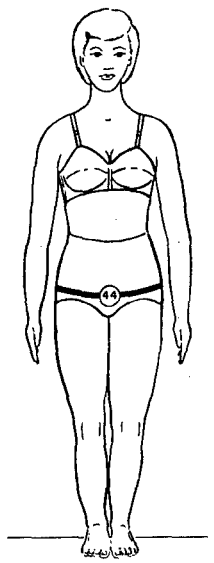
THE PERCENTILES

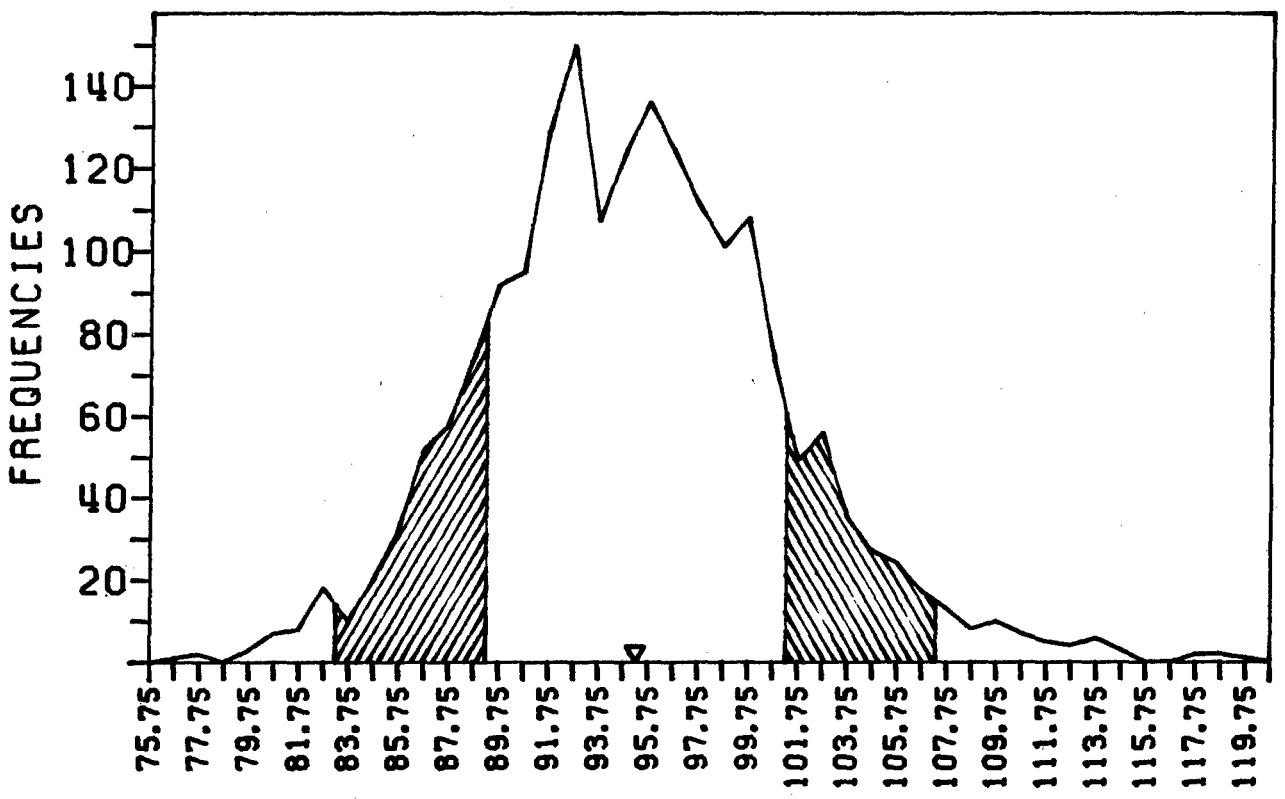
CENTIMETERS		INCHES
109.87	99TH	43.26
106.99	98TH	42.12
105.35	97TH	41.48
103.33	95TH	40.68
100.61	90TH	39.61
98.99	85TH	38.97
97.80	80TH	38.51
96.83	75TH	38.12
95.99	70TH	37.79
95.24	65TH	37.50
94.54	60TH	37.22
93.88	55TH	36.96
93.24	50TH	36.71
92.60	45TH	36.46
91.96	40TH	36.21
91.31	35TH	35.95
90.62	30TH	35.68
89.87	25TH	35.38
89.04	20TH	35.06
88.08	15TH	34.68
86.87	10TH	34.20
85.10	5TH	33.50
83.98	3RD	33.06
83.17	2ND	32.74
81.97	1ST	32.27

(44) HIP CIRCUMFERENCE - NINE INCHES BELOW WAIST LEVEL

Subject stands erect looking straight ahead, heels together, and weight distributed equally on both feet. With a tape held in a horizontal plane, measure the circumference of the trunk at the level of the 9-inch hip landmarks.







RANGES*	F	CUMF	FPCT	CUMPCT
119.25-120.25	1	1905	0.05	100.00
118.25-119.25	2	1904	0.10	99.95
117.25-118.25	2	1902	0.10	99.84
116.25-117.25	0	1900	0.00	99.74
115.25-116.25	0	1900	0.00	99.74
114.25-115.25	3	1900	0.16	99.74
113.25-114.25	6	1897	0.31	99.58
112.25-113.25	4	1891	0.21	99.27
111.25-112.25	5	1887	0.26	99.06
110.25-111.25	7	1882	0.37	98.79
109.25-110.25	10	1875	0.52	98.43
108.25-109.25	8	1865	0.42	97.90
107.25-108.25	13	1857	0.68	97.48
106.25-107.25	17	1844	0.89	96.80
105.25-106.25	24	1827	1.26	95.91
104.25-105.25	27	1803	1.42	94.65
103.25-104.25	35	1776	1.84	93.23
102.25-103.25	56	1741	2.94	91.39
101.25-102.25	49	1685	2.57	88.45
100.25-101.25	75	1636	3.94	85.88
99.25-100.25	108	1561	5.67	81.94
98.25- 99.25	101	1453	5.30	76.27
97.25- 98.25	111	1352	5.83	70.97
96.25- 97.25	124	1241	6.51	65.14
95.25- 96.25	136	1117	7.14	58.64
94.25- 95.25	123	981	6.46	51.50
93.25- 94.25	107	858	5.62	45.04
92.25- 93.25	150	751	7.87	39.42
91.25- 92.25	129	601	6.77	31.55
90.25- 91.25	95	472	4.99	24.78
89.25- 90.25	92	377	4.83	19.79
88.25- 89.25	74	285	3.88	14.96
87.25- 88.25	58	211	3.04	11.08
86.25- 87.25	52	153	2.73	8.03
85.25- 86.25	32	101	1.68	5.30
84.25- 85.25	20	69	1.05	3.62
83.25- 84.25	10	49	0.52	2.57
82.25- 83.25	18	39	0.94	2.05
81.25- 82.25	8	21	0.42	1.10
80.25- 81.25	7	13	0.37	0.68
79.25- 80.25	3	6	0.16	0.31
78.25- 79.25	0	3	0.00	0.16
77.25- 78.25	2	3	0.10	0.16
76.25- 77.25	1	1	0.05	0.05

*IN CENTIMETERS

CENTIMETERS		INCHES
95.27	MEAN VALUE	37.51
0.14	SE(MEAN)	0.05
6.02	SD DEVIATION	2.37
0.10	SE(SD DEV)	0.04

****

SYMMETRY---VETA I = 0.37
KURTOSIS---VETA II = 3.63
COEF. OF VARIATION = 6.3%

****

NUMBER OF SUBJECTS = 1905

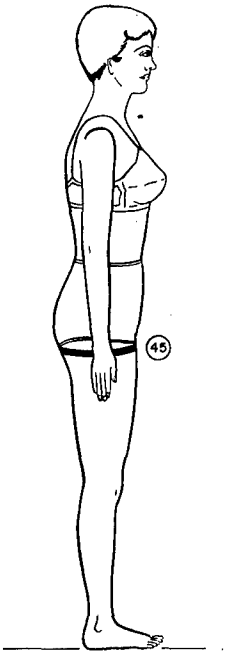
****

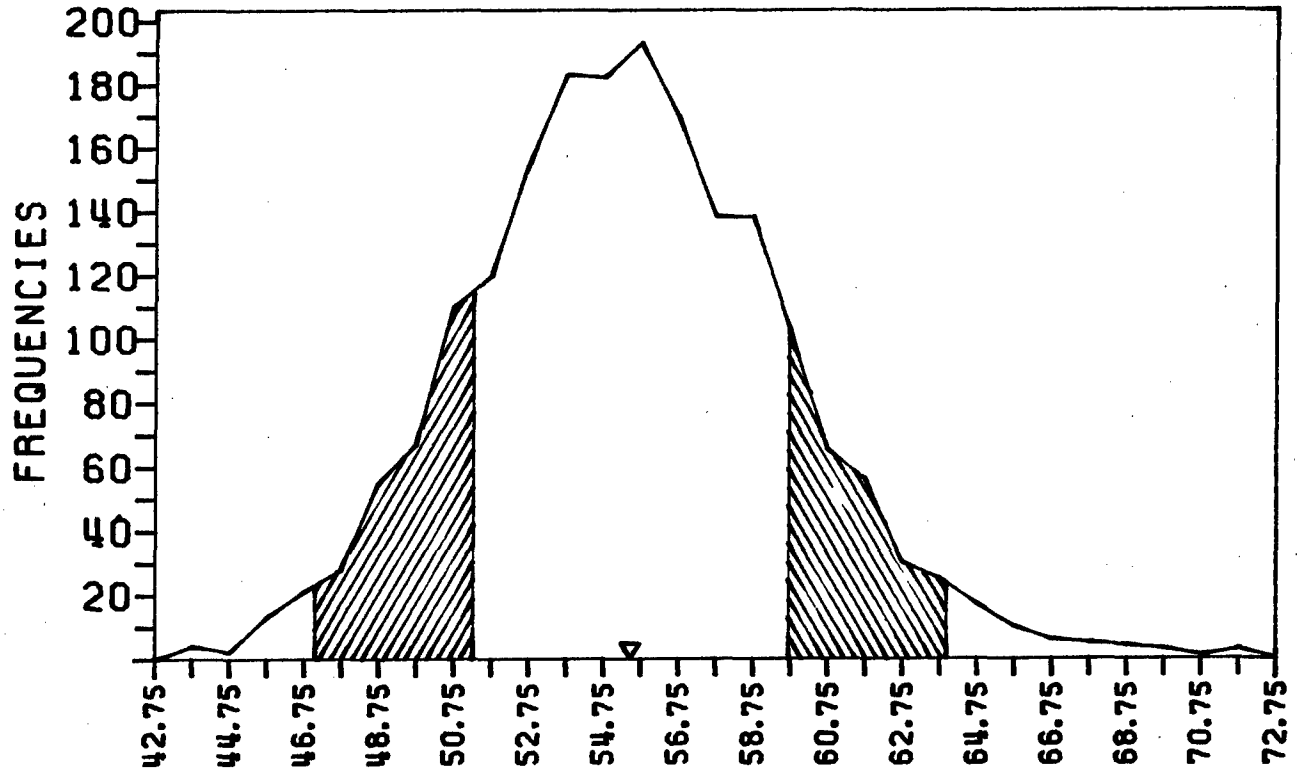
THE PERCENTILES

CENTIMETERS		INCHES
112.06	99TH	44.12
109.26	98TH	43.02
107.65	97TH	42.38
105.63	95TH	41.59
102.85	90TH	40.49
101.15	85TH	39.82
99.90	80TH	39.33
98.85	75TH	38.92
97.95	70TH	38.56
97.14	65TH	38.25
96.39	60TH	37.95
95.67	55TH	37.66
94.96	50TH	37.39
94.27	45TH	37.11
93.57	40TH	36.84
92.84	35TH	36.55
92.08	30TH	36.25
91.26	25TH	35.93
90.34	20TH	35.57
89.26	15TH	35.14
87.89	10TH	34.60
85.84	5TH	33.79
84.50	3RD	33.27
83.51	2ND	32.88
81.96	1ST	32.27

(45) UPPER THIGH CIRCUMFERENCE

Subject stands erect, heels approximately 10 cm apart, and weight distributed equally on both feet. With a tape held in a plane perpendicular to the long axis of the right thigh, measure the circumference of the thigh at the level of the lowest point on the gluteal furrow. Where the furrow is deeply indented, the measurement is made just distal to the furrow.





RANGES*	F	CUMF	FPCT	CUMPCT
71.25- 72.25	3	1905	0.16	100.00
70.25- 71.25	1	1902	0.05	99.84
69.25- 70.25	3	1901	0.16	99.79
68.25- 69.25	4	1898	0.21	99.63
67.25- 68.25	5	1894	0.26	99.42
66.25- 67.25	6	1889	0.31	99.16
65.25- 66.25	10	1883	0.52	98.85
64.25- 65.25	17	1873	0.89	98.32
63.25- 64.25	25	1856	1.31	97.43
62.25- 63.25	30	1831	1.57	96.12
61.25- 62.25	56	1801	2.94	94.54
60.25- 61.25	65	1745	3.41	91.60
59.25- 60.25	102	1680	5.35	88.19
58.25- 59.25	138	1578	7.24	82.83
57.25- 58.25	138	1440	7.24	75.59
56.25- 57.25	169	1302	8.87	68.35
55.25- 56.25	193	1133	10.13	59.48
54.25- 55.25	182	940	9.55	49.34
53.25- 54.25	183	758	9.61	39.79
52.25- 53.25	155	575	8.14	30.18
51.25- 52.25	120	420	6.30	22.05
50.25- 51.25	110	300	5.77	15.75
49.25- 50.25	67	190	3.52	9.97
48.25- 49.25	55	123	2.89	6.46
47.25- 48.25	28	68	1.47	3.57
46.25- 47.25	21	40	1.10	2.10
45.25- 46.25	13	19	0.68	1.00
44.25- 45.25	2	6	0.10	0.31
43.25- 44.25	4	4	0.21	0.21

*IN CENTIMETERS

CENTIMETERS		INCHES
55.48	MEAN VALUE	21.84
0.10	SE(MEAN)	0.04
4.22	SD DEVIATION	1.66
0.07	SE(SD DEV)	0.03

****

SYMMETRY---VETA I = 0.32
KURTOSIS---VETA II = 3.42
COEF. OF VARIATION = 7.6%

****

NUMBER OF SUBJECTS = 1905

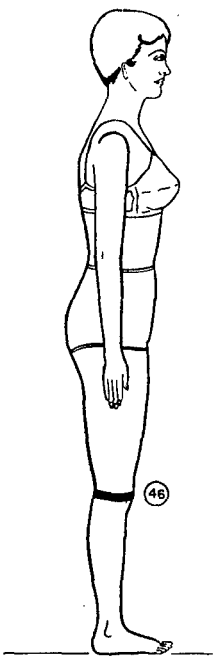
****

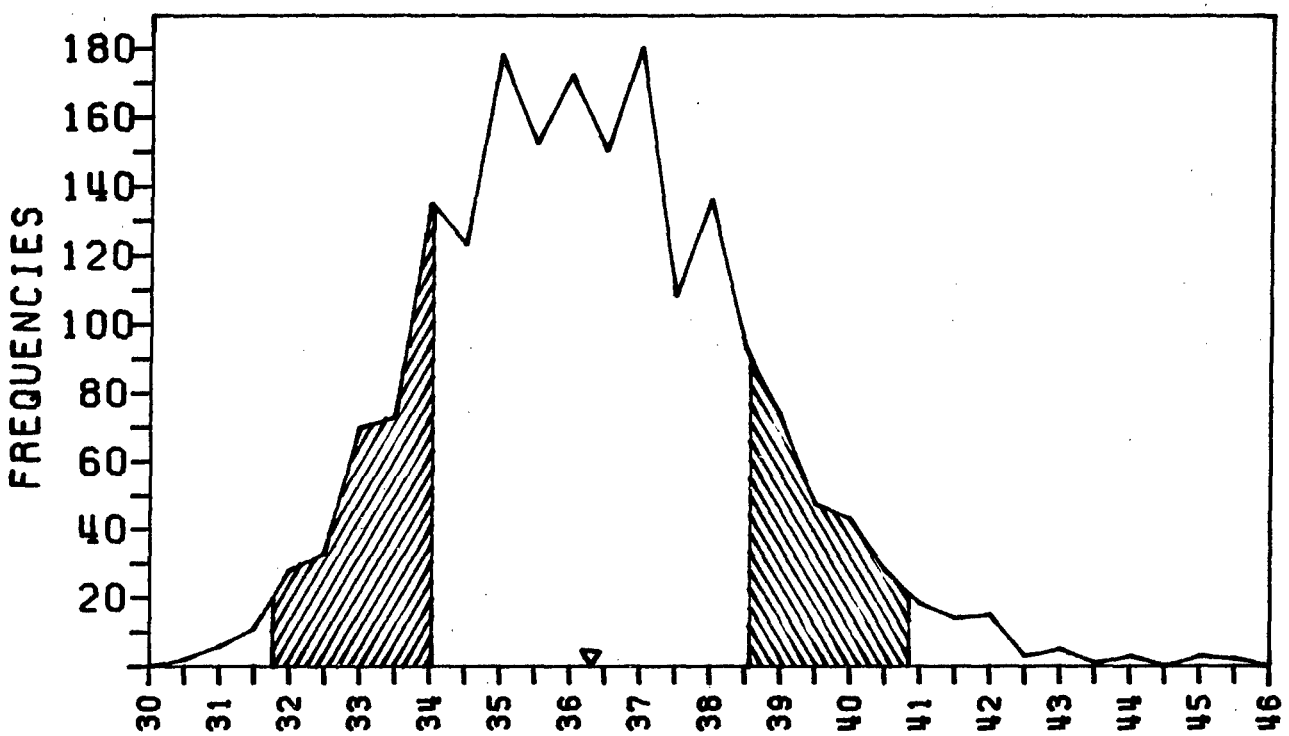
THE PERCENTILES

CENTIMETERS		INCHES
66.70	99TH	26.26
64.93	98TH	25.56
63.90	97TH	25.16
62.61	95TH	24.65
60.79	90TH	23.93
59.66	85TH	23.49
58.80	80TH	23.15
58.08	75TH	22.87
57.45	70TH	22.62
56.88	65TH	22.39
56.34	60TH	22.18
55.83	55TH	21.98
55.32	50TH	21.78
54.81	45TH	21.58
54.30	40TH	21.38
53.77	35TH	21.17
53.22	30TH	20.95
52.61	25TH	20.71
51.94	20TH	20.45
51.16	15TH	20.14
50.17	10TH	19.75
48.74	5TH	19.19
47.84	3RD	18.84
47.20	2ND	18.58
46.25	1ST	18.21

(46) KNEE CIRCUMFERENCE

Subject stands erect, heels approximately 10 cm apart, and weight distributed equally on both feet. With a tape held in a plane perpendicular to the long axis of the right leg, measure the circumference of the knee at the level of the midpatella landmark. The subject must not tense her knee during the measurement.





RANGES*	F	CUMF	FPCT	CUMPCT
45.25- 45.75	2	1905	0.10	100.00
44.75- 45.25	3	1903	0.16	99.90
44.25- 44.75	0	1900	0.00	99.74
43.75- 44.25	3	1900	0.16	99.74
43.25- 43.75	1	1897	0.05	99.58
42.75- 43.25	5	1896	0.26	99.53
42.25- 42.75	3	1891	0.16	99.27
41.75- 42.25	15	1888	0.79	99.11
41.25- 41.75	14	1873	0.73	98.32
40.75- 41.25	18	1859	0.94	97.59
40.25- 40.75	28	1841	1.47	96.64
39.75- 40.25	43	1813	2.26	95.17
39.25- 39.75	47	1770	2.47	92.91
38.75- 39.25	73	1723	3.83	90.45
38.25- 38.75	93	1650	4.88	86.61
37.75- 38.25	136	1557	7.14	81.73
37.25- 37.75	108	1421	5.67	74.59
36.75- 37.25	180	1313	9.45	68.92
36.25- 36.75	150	1133	7.87	59.48
35.75- 36.25	172	983	9.03	51.60
35.25- 35.75	152	811	7.98	42.57
34.75- 35.25	178	659	9.34	34.59
34.25- 34.75	123	481	6.46	25.25
33.75- 34.25	135	358	7.09	18.79
33.25- 33.75	73	223	3.83	11.71
32.75- 33.25	70	150	3.67	7.87
32.25- 32.75	33	80	1.73	4.20
31.75- 32.25	28	47	1.47	2.47
31.25- 31.75	11	19	0.58	1.00
30.75- 31.25	6	8	0.31	0.42
30.25- 30.75	2	2	0.10	0.10

*IN CENTIMETERS

CENTIMETERS		INCHES
36.30	MEAN VALUE	14.29
0.05	SE(MEAN)	0.02
2.27	SD DEVIATION	0.89
0.04	SE(SD DEV)	0.01

****

SYMMETRY---VETA I = 0.45
KURTOSIS---VETA II = 3.44
COEF. OF VARIATION = 6.2%

****

NUMBER OF SUBJECTS = 1905

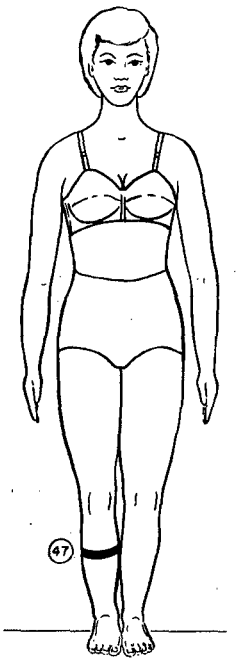
****

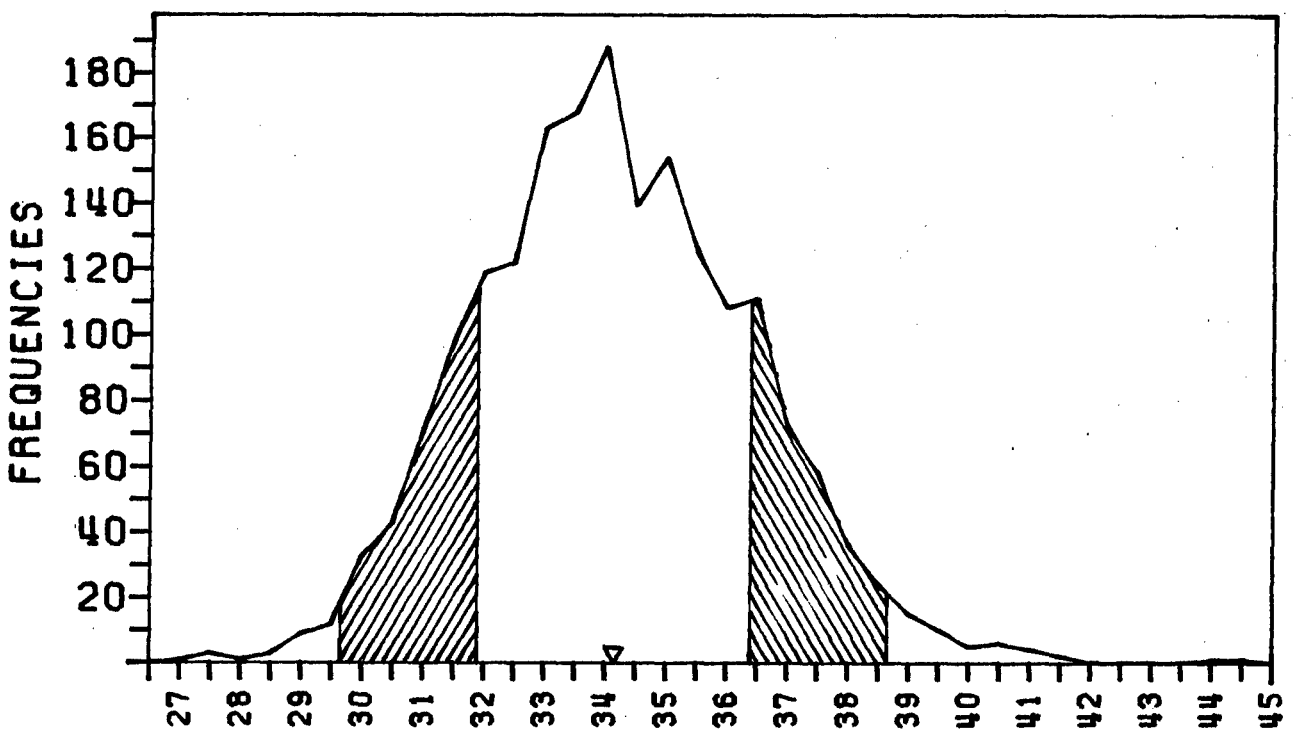
THE PERCENTILES

CENTIMETERS		INCHES
42.25	99TH	16.63
41.42	98TH	16.31
40.91	97TH	16.11
40.24	95TH	15.84
39.26	90TH	15.46
38.62	85TH	15.21
38.14	80TH	15.01
37.73	75TH	14.85
37.37	70TH	14.71
37.04	65TH	14.58
36.73	60TH	14.46
36.44	55TH	14.35
36.16	50TH	14.24
35.88	45TH	14.13
35.60	40TH	14.02
35.32	35TH	13.90
35.02	30TH	13.79
34.71	25TH	13.66
34.36	20TH	13.53
33.98	15TH	13.38
33.50	10TH	13.19
32.83	5TH	12.93
32.43	3RD	12.77
32.14	2ND	12.65
31.72	1ST	12.49

(47) CALF CIRCUMFERENCE, RIGHT

Subject stands erect, heels approximately 10 cm apart, and weight distributed equally on both feet. With a tape held in a plane perpendicular to the long axis of the right lower leg, measure the circumference of the calf at the level of the calf landmark.





RANGES*	F	CUMF	FPCT	CUMPCT
44.25- 44.75	1	1905	0.05	100.00
43.75- 44.25	1	1904	0.05	99.95
43.25- 43.75	0	1903	0.00	99.90
42.75- 43.25	0	1903	0.00	99.90
42.25- 42.75	0	1903	0.00	99.90
41.75- 42.25	0	1903	0.00	99.90
41.25- 41.75	2	1903	0.10	99.90
40.75- 41.25	4	1901	0.21	99.79
40.25- 40.75	6	1897	0.31	99.58
39.75- 40.25	5	1891	0.26	99.27
39.25- 39.75	10	1886	0.52	99.00
38.75- 39.25	15	1876	0.79	98.48
38.25- 38.75	24	1861	1.26	97.69
37.75- 38.25	36	1837	1.89	96.43
37.25- 37.75	58	1801	3.04	94.54
36.75- 37.25	72	1743	3.78	91.50
36.25- 36.75	111	1671	5.83	87.72
35.75- 36.25	108	1560	5.67	81.89
35.25- 35.75	125	1452	6.56	76.22
34.75- 35.25	154	1327	8.08	69.66
34.25- 34.75	139	1173	7.30	61.57
33.75- 34.25	188	1034	9.87	54.28
33.25- 33.75	168	846	8.82	44.41
32.75- 33.25	163	678	8.56	35.59
32.25- 32.75	122	515	6.40	27.03
31.75- 32.25	119	393	6.25	20.63
31.25- 31.75	98	274	5.14	14.38
30.75- 31.25	71	176	3.73	9.24
30.25- 30.75	43	105	2.26	5.51
29.75- 30.25	33	62	1.73	3.25
29.25- 29.75	12	29	0.63	1.52
28.75- 29.25	9	17	0.47	0.89
28.25- 28.75	3	8	0.16	0.42
27.75- 28.25	1	5	0.05	0.26
27.25- 27.75	3	4	0.16	0.21
26.75- 27.25	1	1	0.05	0.05

*IN CENTIMETERS

CENTIMETERS		INCHES
34.14	MEAN VALUE	13.44
0.05	SE(MEAN)	0.02
2.25	SD DEVIATION	0.88
0.04	SE(SD DEV)	0.01

****

SYMMETRY---VETA I = 0.25
KURTOSIS---VETA II = 3.28
COEF. OF VARIATION = 6.6%

****

NUMBER OF SUBJECTS = 1905

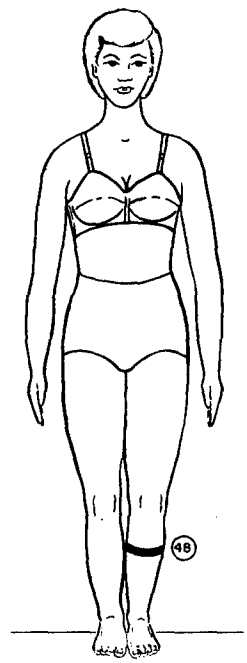
****

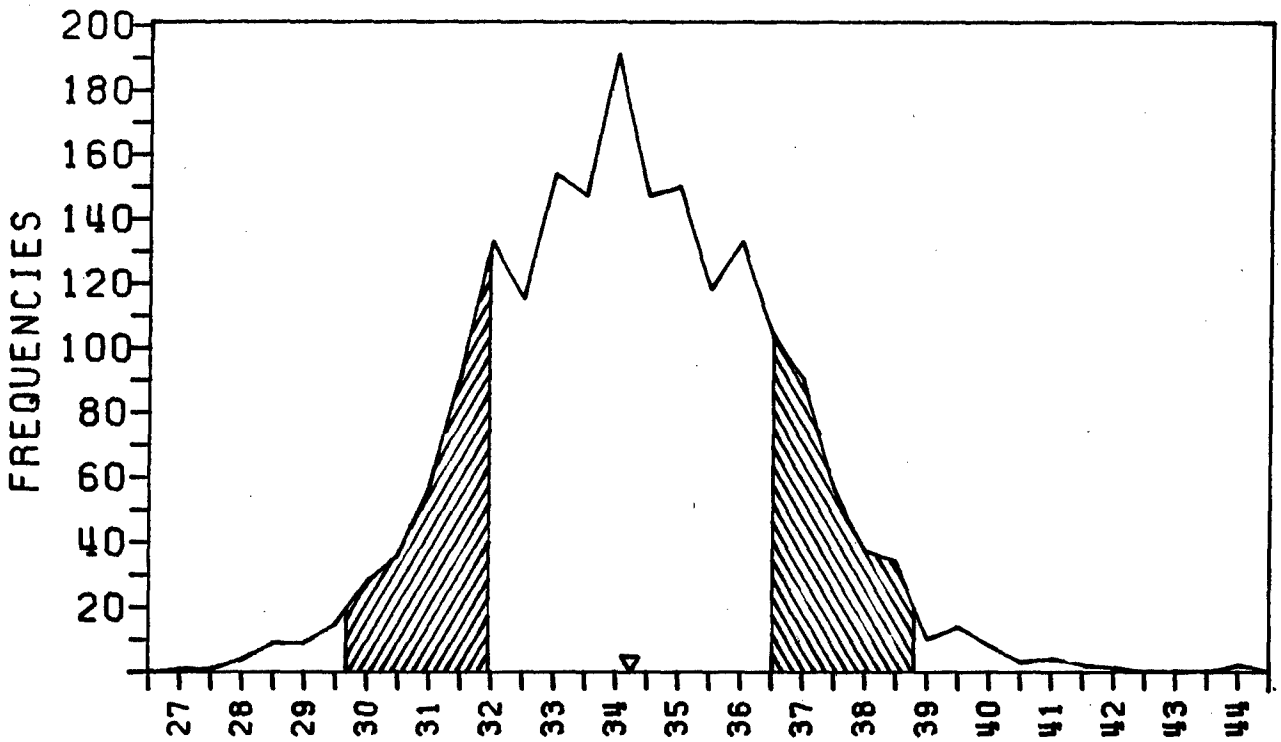
THE PERCENTILES

CENTIMETERS		INCHES
39.68	99TH	15.62
38.97	98TH	15.34
38.53	97TH	15.17
37.94	95TH	14.94
37.05	90TH	14.59
36.46	85TH	14.36
36.01	80TH	14.18
35.61	75TH	14.02
35.27	70TH	13.88
34.95	65TH	13.76
34.64	60TH	13.64
34.36	55TH	13.53
34.07	50TH	13.41
33.79	45TH	13.30
33.51	40TH	13.19
33.22	35TH	13.08
32.91	30TH	12.96
32.59	25TH	12.83
32.23	20TH	12.69
31.82	15TH	12.53
31.32	10TH	12.33
30.60	5TH	12.05
30.16	3RD	11.87
29.85	2ND	11.75
29.38	1ST	11.57

(48) CALF CIRCUMFERENCE, LEFT

Subject stands erect, heels approximately 10 cm apart, and weight distributed equally on both feet. With a tape held in a plane perpendicular to the long axis of the left lower leg, measure the circumference of the calf at the level of the calf landmark.





RANGES*	F	CUMF	FPCT	CUMPCT
43.75- 44.25	2	1905	0.10	100.00
43.25- 43.75	0	1903	0.00	99.90
42.75- 43.25	0	1903	0.00	99.90
42.25- 42.75	0	1903	0.00	99.90
41.75- 42.25	1	1903	0.05	99.90
41.25- 41.75	2	1902	0.10	99.84
40.75- 41.25	4	1900	0.21	99.74
40.25- 40.75	3	1896	0.16	99.53
39.75- 40.25	8	1893	0.42	99.37
39.25- 39.75	14	1885	0.73	98.95
38.75- 39.25	10	1871	0.52	98.22
38.25- 38.75	34	1861	1.78	97.69
37.75- 38.25	37	1827	1.94	95.91
37.25- 37.75	56	1790	2.94	93.96
36.75- 37.25	90	1734	4.72	91.02
36.25- 36.75	104	1644	5.46	86.30
35.75- 36.25	133	1540	6.98	80.84
35.25- 35.75	118	1407	6.19	73.86
34.75- 35.25	150	1289	7.87	67.66
34.25- 34.75	147	1139	7.72	59.79
33.75- 34.25	191	992	10.03	52.07
33.25- 33.75	147	801	7.72	42.05
32.75- 33.25	154	654	8.08	34.33
32.25- 32.75	115	500	6.04	26.25
31.75- 32.25	133	385	6.98	20.21
31.25- 31.75	92	252	4.83	13.23
30.75- 31.25	57	160	2.99	8.40
30.25- 30.75	36	103	1.89	5.41
29.75- 30.25	28	67	1.47	3.52
29.25- 29.75	15	39	0.79	2.05
28.75- 29.25	9	24	0.47	1.26
28.25- 28.75	9	15	0.47	0.79
27.75- 28.25	4	6	0.21	0.31
27.25- 27.75	1	2	0.05	0.10
26.75- 27.25	1	1	0.05	0.05

*IN CENTIMETERS

CENTIMETERS		INCHES
34.23	MEAN VALUE	13.48
0.05	SE(MEAN)	0.02
2.28	SD DEVIATION	0.90
0.04	SE(SD DEV)	0.01

****

SYMMETRY---VETA I = 0.17
KURTOSIS---VETA II = 3.21
COEF. OF VARIATION = 6.7%

****

NUMBER OF SUBJECTS = 1905

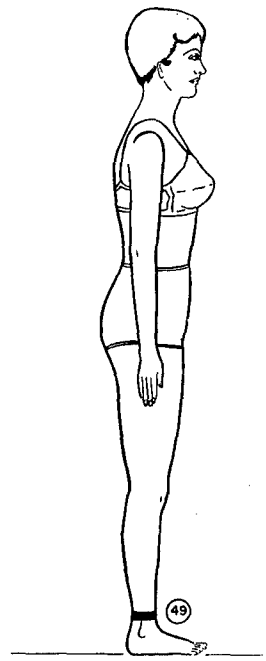
****

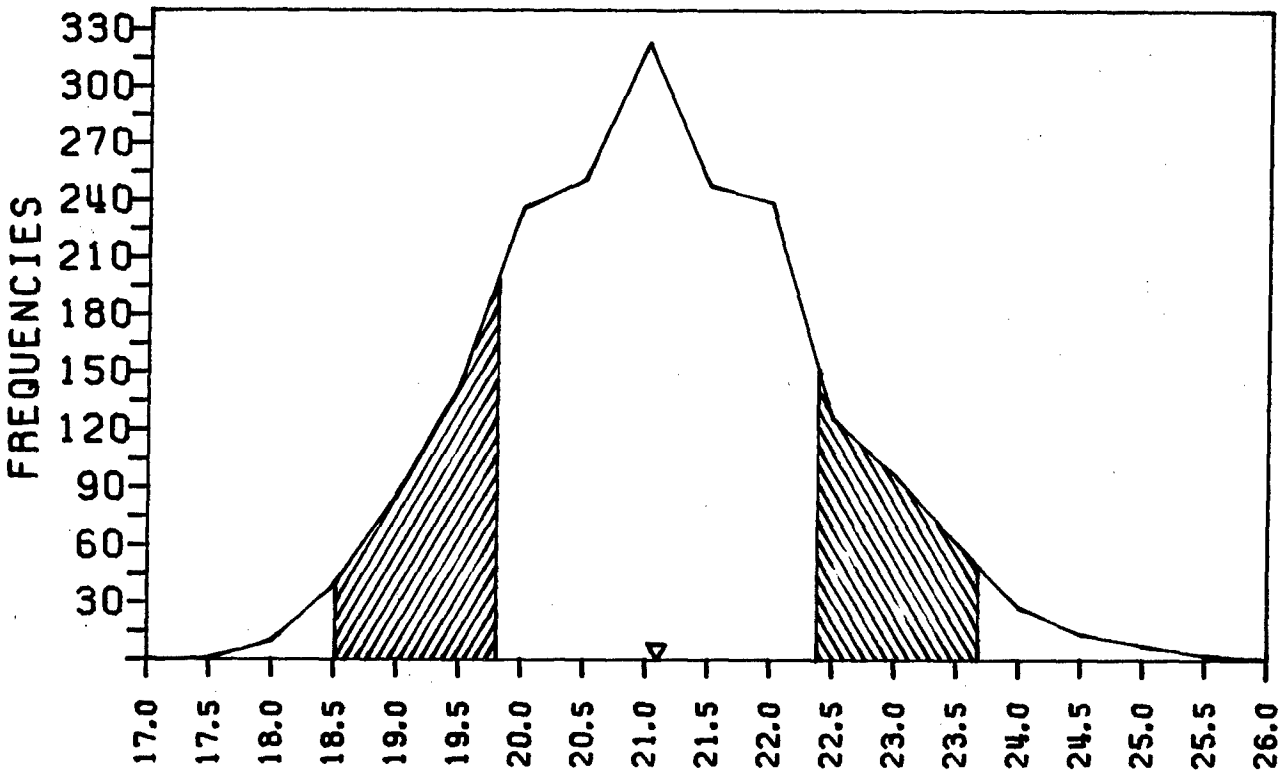
THE PERCENTILES

CENTIMETERS		INCHES
39.73	99TH	15.64
39.07	98TH	15.38
38.65	97TH	15.21
38.07	95TH	14.99
37.19	90TH	14.64
36.59	85TH	14.41
36.13	80TH	14.23
35.74	75TH	14.07
35.38	70TH	13.93
35.06	65TH	13.80
34.76	60TH	13.68
34.47	55TH	13.57
34.18	50TH	13.46
33.90	45TH	13.35
33.61	40TH	13.23
33.32	35TH	13.12
33.01	30TH	13.00
32.68	25TH	12.87
32.32	20TH	12.72
31.90	15TH	12.56
31.36	10TH	12.35
30.57	5TH	12.04
30.05	3RD	11.83
29.67	2ND	11.68
29.05	1ST	11.44

(49) ANKLE CIRCUMFERENCE

Subject stands erect with weight distributed equally on both feet. With a tape held in a plane perpendicular to the long axis of the right lower leg, measure the circumference of the leg at the level of the ankle landmark.





RANGES*	F	CUMF	FPCT	CUMPCT
25.25- 25.75	2	1905	0.10	100.00
24.75- 25.25	7	1903	0.37	99.90
24.25- 24.75	13	1896	0.68	99.53
23.75- 24.25	27	1883	1.42	98.85
23.25- 23.75	61	1856	3.20	97.43
22.75- 23.25	96	1795	5.04	94.23
22.25- 22.75	125	1699	6.56	89.19
21.75- 22.25	238	1574	12.49	82.62
21.25- 21.75	247	1336	12.97	70.13
20.75- 21.25	323	1089	16.96	57.17
20.25- 20.75	251	766	13.18	40.21
19.75- 20.25	236	515	12.39	27.03
19.25- 19.75	143	279	7.51	14.65
18.75- 19.25	86	136	4.51	7.14
18.25- 18.75	39	50	2.05	2.62
17.75- 18.25	10	11	0.52	0.58
17.25- 17.75	1	1	0.05	0.05

*IN CENTIMETERS

CENTIMETERS		INCHES
21.09	MEAN VALUE	8.30
0.03	SE(MEAN)	0.01
1.29	SD DEVIATION	0.51
0.02	SE(SD DEV)	0.01

****

SYMMETRY---VETA I = 0.26
KURTOSIS---VETA II = 2.95
COEF. OF VARIATION = 6.1%

****

NUMBER OF SUBJECTS = 1905

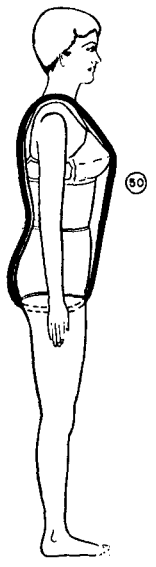
****

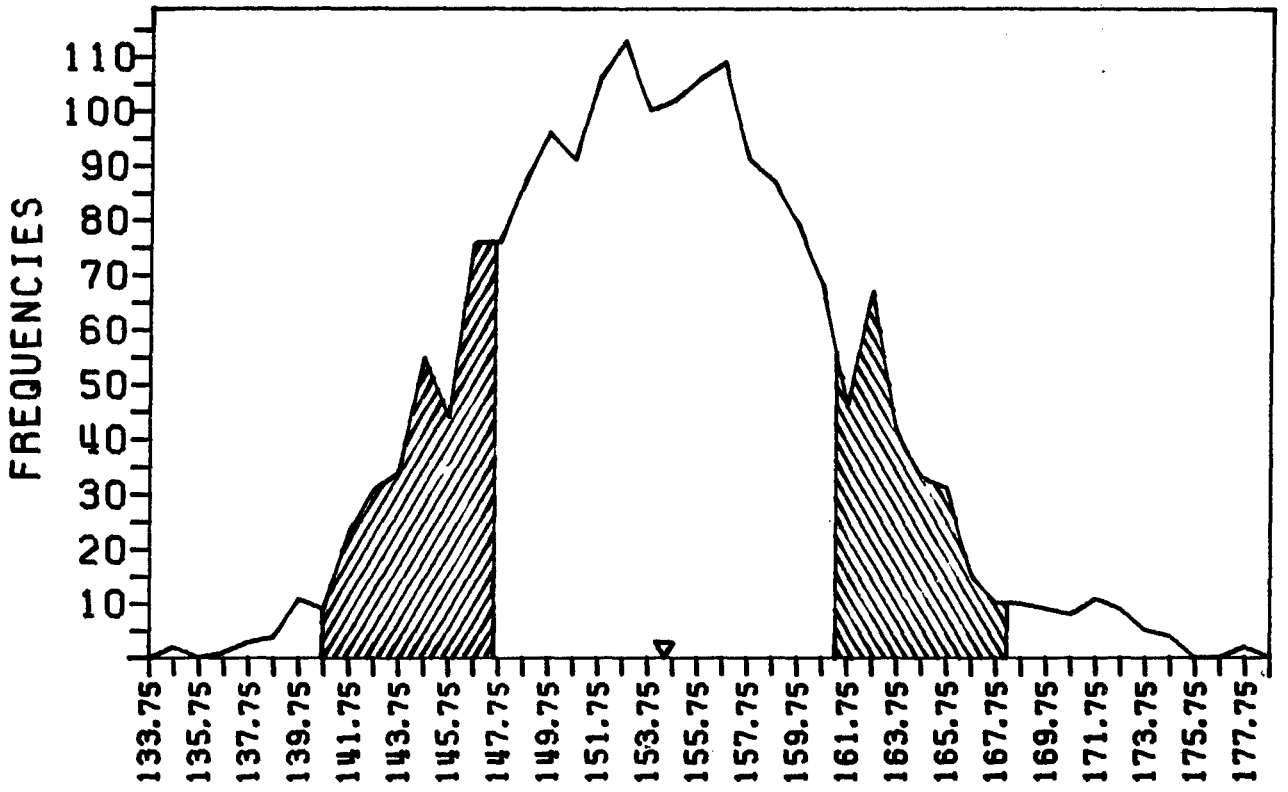
THE PERCENTILES

CENTIMETERS		INCHES
24.37	99TH	9.60
23.95	98TH	9.43
23.69	97TH	9.33
23.34	95TH	9.19
22.80	90TH	8.98
22.45	85TH	8.84
22.18	80TH	8.73
21.95	75TH	8.64
21.74	70TH	8.56
21.55	65TH	8.49
21.37	60TH	8.42
21.21	55TH	8.35
21.04	50TH	8.28
20.87	45TH	8.22
20.71	40TH	8.15
20.54	35TH	8.09
20.36	30TH	8.02
20.18	25TH	7.94
19.97	20TH	7.86
19.74	15TH	7.77
19.45	10TH	7.66
19.04	5TH	7.50
18.79	3RD	7.40
18.61	2ND	7.33
18.34	1ST	7.22

(50) VERTICAL TRUNK CIRCUMFERENCE

Subject stands with legs slightly apart. A length of tape is passed between the legs, over the protrusion of the right buttock, and up the back to lie over the midshoulder landmark. The other end of the tape is brought up over the right bustpoint landmark to the mid-shoulder landmark completing the circumference. The measurer holds the tape into the concavity of the back to insure that it follows the posterior body contour. (The tape does not follow the anterior body contour.) The measurement is made at the point of maximum quiet inspiration.





RANGES*	F	CUMF	FPCT	CUMPCT
177.25-178.25	2	1905	0.10	100.00
176.25-177.25	0	1903	0.00	99.90
175.25-176.25	0	1903	0.00	99.90
174.25-175.25	4	1903	0.21	99.90
173.25-174.25	5	1899	0.26	99.69
172.25-173.25	9	1894	0.47	99.42
171.25-172.25	11	1885	0.58	98.95
170.25-171.25	8	1874	0.42	98.37
169.25-170.25	9	1866	0.47	97.95
168.25-169.25	10	1857	0.52	97.48
167.25-168.25	10	1847	0.52	96.96
166.25-167.25	15	1837	0.79	96.43
165.25-166.25	31	1822	1.63	95.64
164.25-165.25	33	1791	1.73	94.02
163.25-164.25	41	1758	2.15	92.28
162.25-163.25	67	1717	3.52	90.13
161.25-162.25	46	1650	2.41	86.61
160.25-161.25	68	1604	3.57	84.20
159.25-160.25	79	1536	4.15	80.63
158.25-159.25	87	1457	4.57	76.48
157.25-158.25	91	1370	4.78	71.92
156.25-157.25	109	1279	5.72	67.14
155.25-156.25	106	1170	5.56	61.42
154.25-155.25	102	1064	5.35	55.85
153.25-154.25	100	962	5.25	50.50
152.25-153.25	113	862	5.93	45.25
151.25-152.25	106	749	5.56	39.32
150.25-151.25	91	643	4.78	33.75
149.25-150.25	96	552	5.04	28.98
148.25-149.25	87	456	4.57	23.94
147.25-148.25	76	369	3.99	19.37
146.25-147.25	76	293	3.99	15.38
145.25-146.25	44	217	2.31	11.39
144.25-145.25	55	173	2.89	9.08
143.25-144.25	34	118	1.78	6.19
142.25-143.25	31	84	1.63	4.41
141.25-142.25	23	53	1.21	2.78
140.25-141.25	9	30	0.47	1.57
139.25-140.25	11	21	0.58	1.10
138.25-139.25	4	10	0.21	0.52
137.25-138.25	3	6	0.16	0.31
136.25-137.25	1	3	0.05	0.16
135.25-136.25	0	2	0.00	0.10
134.25-135.25	2	2	0.10	0.10

*IN CENTIMETERS

CENTIMETERS		INCHES
154.43	MEAN VALUE	60.80
0.16	SE(MEAN)	0.06
6.87	SD DEVIATION	2.70
0.11	SE(SD DEV)	0.04

****

SYMMETRY---VETA I = 0.26
KURTOSIS---VETA II = 2.95
COEF. OF VARIATION = 4.4%

****

NUMBER OF SUBJECTS = 1905

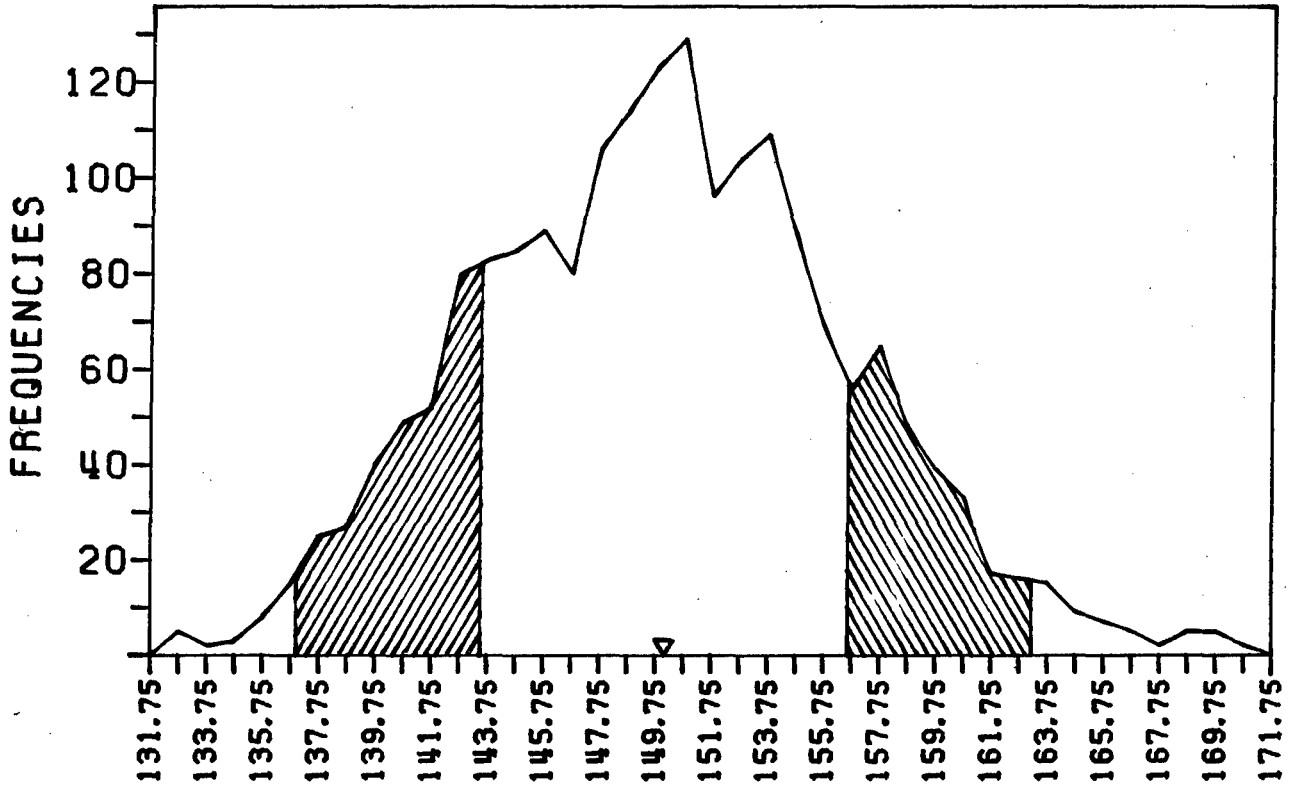
****

THE PERCENTILES

CENTIMETERS		INCHES
172.52	99TH	67.92
169.88	98TH	66.88
168.31	97TH	66.27
166.29	95TH	65.47
163.38	90TH	64.32
161.51	85TH	63.59
160.07	80TH	63.02
158.86	75TH	62.54
157.78	70TH	62.12
156.80	65TH	61.73
155.88	60TH	61.37
154.99	55TH	61.02
154.12	50TH	60.68
153.26	45TH	60.34
152.39	40TH	60.00
151.49	35TH	59.64
150.56	30TH	59.28
149.56	25TH	58.88
148.46	20TH	58.45
147.21	15TH	57.95
145.67	10TH	57.35
143.54	5TH	56.51
142.28	3RD	56.01
141.42	2ND	55.68
140.25	1ST	55.22

(51) VERTICAL TRUNK CIRCUMFERENCE, SITTING

Subject stands with legs slightly apart. A length of tape is passed between the legs, over the protrusion of the right buttock, and up the back to lie over the midshoulder landmark. Keeping the tape in place, the subject then sits, her trunk erect and arms relaxed. The other end of the tape is brought over the right bustpoint landmark to the midshoulder landmark completing the circumference. The measurer holds the tape into the concavity of the back to insure that it follows the posterior body contour. (The tape does not follow the anterior body contour.) The measurement is made at the point of maximum quiet inspiration.



RANGES*	F	CUMF	FPCT	CUMPCT
170.25-171.25	2	1905	0.10	100.00
169.25-170.25	5	1903	0.26	99.90
168.25-169.25	5	1898	0.26	99.63
167.25-168.25	2	1893	0.10	99.37
166.25-167.25	5	1891	0.26	99.27
165.25-166.25	7	1886	0.37	99.00
164.25-165.25	9	1879	0.47	98.64
163.25-164.25	15	1870	0.79	98.16
162.25-163.25	16	1855	0.84	97.38
161.25-162.25	17	1839	0.89	96.54
160.25-161.25	33	1822	1.73	95.64
159.25-160.25	39	1789	2.05	93.91
158.25-159.25	48	1750	2.52	91.86
157.25-158.25	65	1702	3.41	89.34
156.25-157.25	56	1637	2.94	85.93
155.25-156.25	69	1581	3.62	82.99
154.25-155.25	88	1512	4.62	79.37
153.25-154.25	109	1424	5.72	74.75
152.25-153.25	104	1315	5.46	69.03
151.25-152.25	96	1211	5.04	63.57
150.25-151.25	129	1115	6.77	58.53
149.25-150.25	123	986	6.46	51.76
148.25-149.25	114	863	5.98	45.30
147.25-148.25	106	749	5.56	39.32
146.25-147.25	80	643	4.20	33.75
145.25-146.25	89	563	4.67	29.55
144.25-145.25	85	474	4.46	24.88
143.25-144.25	83	389	4.36	20.42
142.25-143.25	80	306	4.20	16.06
141.25-142.25	52	226	2.73	11.86
140.25-141.25	49	174	2.57	9.13
139.25-140.25	40	125	2.10	6.56
138.25-139.25	27	85	1.42	4.46
137.25-138.25	25	58	1.31	3.04
136.25-137.25	15	33	0.79	1.73
135.25-136.25	8	18	0.42	0.94
134.25-135.25	3	10	0.16	0.52
133.25-134.25	2	7	0.10	0.37
132.25-133.25	5	5	0.26	0.26

*IN CENTIMETERS

CENTIMETERS		INCHES
150.07	MEAN VALUE	59.08
0.15	SE(MEAN)	0.06
6.56	SD DEVIATION	2.58
0.11	SE(SD DEV)	0.04

****

SYMMETRY---VETA I = 0.17
KURTOSIS---VETA II = 2.87
COEF. OF VARIATION = 4.4%

****

NUMBER OF SUBJECTS = 1905

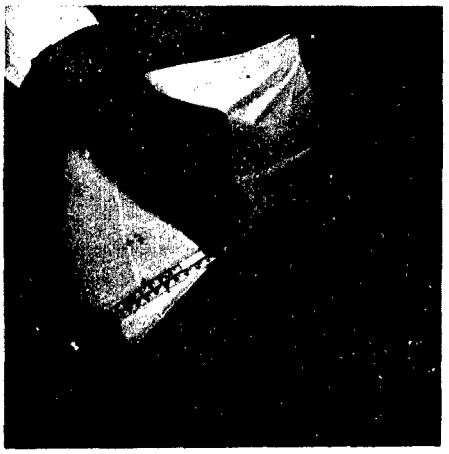
****

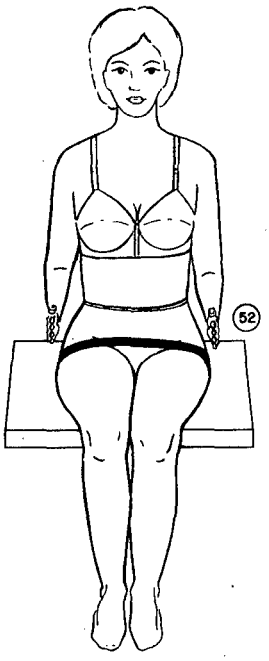
THE PERCENTILES

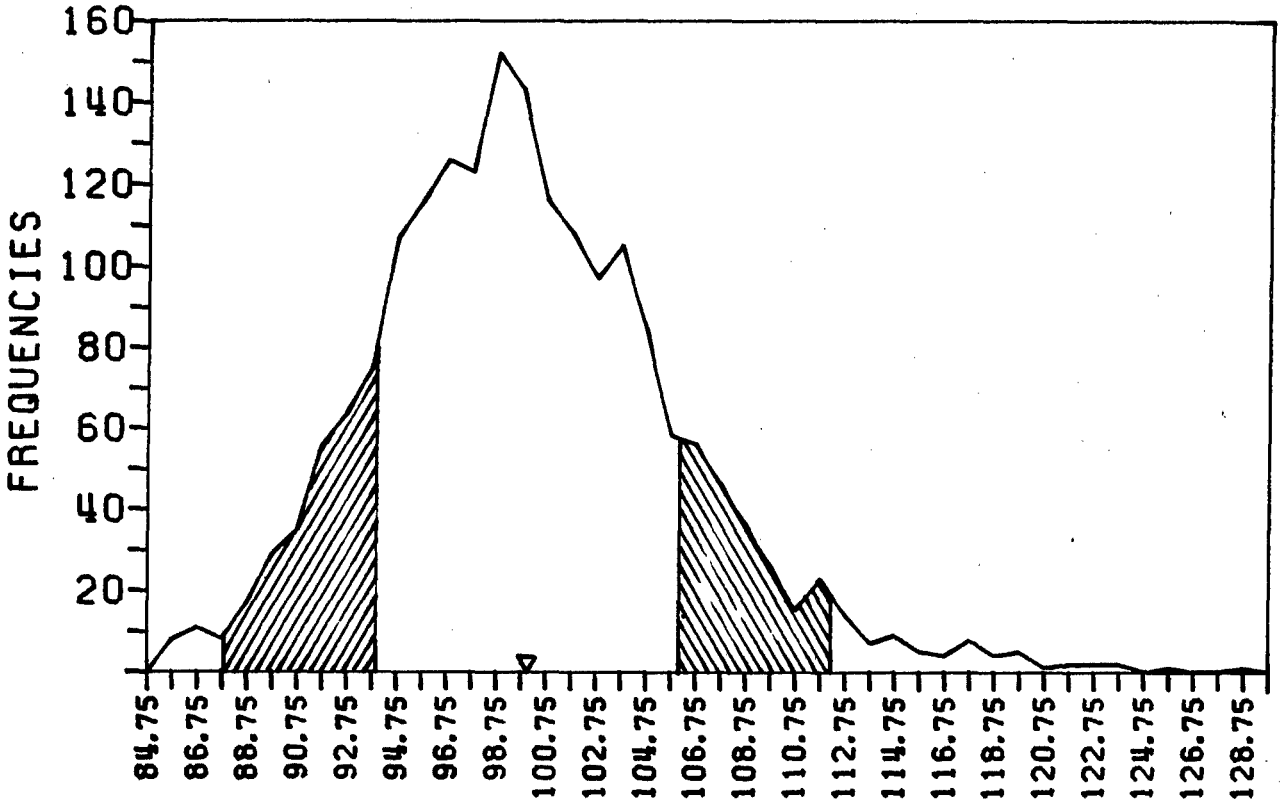
CENTIMETERS		INCHES
166.25	99TH	65.45
164.04	98TH	64.58
162.72	97TH	64.06
161.00	95TH	63.39
158.47	90TH	62.39
156.82	85TH	61.74
155.52	80TH	61.23
154.41	75TH	60.79
153.41	70TH	60.40
152.49	65TH	60.03
151.61	60TH	59.69
150.76	55TH	59.36
149.92	50TH	59.02
149.08	45TH	58.69
148.22	40TH	58.36
147.34	35TH	58.01
146.41	30TH	57.64
145.42	25TH	57.25
144.31	20TH	56.82
143.06	15TH	56.32
141.53	10TH	55.72
139.42	5TH	54.89
138.21	3RD	54.41
137.41	2ND	54.10
136.37	1ST	53.69

(52) BUTTOCK CIRCUMFERENCE, SITTING

Subject sits erect on a flat surface, thighs parallel, and arms folded across chest. Drawing a tape as far forward as freely possible under the subject's buttocks and bringing it upward and diagonally across her lap at the level of the thigh-trunk intersection, measure the circumference of the buttocks.







RANGES*	F	CUMF	FPCT	CUMPCT
128.25-129.25	1	1905	0.05	100.00
127.25-128.25	0	1904	0.00	99.95
126.25-127.25	0	1904	0.00	99.95
125.25-126.25	1	1904	0.05	99.95
124.25-125.25	0	1903	0.00	99.90
123.25-124.25	2	1903	0.10	99.90
122.25-123.25	2	1901	0.10	99.79
121.25-122.25	2	1899	0.10	99.69
120.25-121.25	1	1897	0.05	99.58
119.25-120.25	5	1896	0.26	99.53
118.25-119.25	4	1891	0.21	99.27
117.25-118.25	8	1887	0.42	99.06
116.25-117.25	4	1879	0.21	98.64
115.25-116.25	5	1875	0.26	98.43
114.25-115.25	9	1870	0.47	98.16
113.25-114.25	7	1861	0.37	97.69
112.25-113.25	14	1854	0.73	97.32
111.25-112.25	23	1840	1.21	96.59
110.25-111.25	15	1817	0.79	95.38
109.25-110.25	26	1802	1.36	94.59
108.25-109.25	36	1776	1.89	93.23
107.25-108.25	46	1740	2.41	91.34
106.25-107.25	56	1694	2.94	88.92
105.25-106.25	58	1638	3.04	85.98
104.25-105.25	84	1580	4.41	82.94
103.25-104.25	105	1496	5.51	78.53
102.25-103.25	97	1391	5.09	73.02
101.25-102.25	108	1294	5.67	67.93
100.25-101.25	116	1186	6.09	62.26
99.25-100.25	143	1070	7.51	56.17
98.25- 99.25	152	927	7.98	48.66
97.25- 98.25	123	775	6.46	40.68
96.25- 97.25	126	652	6.61	34.23
95.25- 96.25	116	526	6.09	27.61
94.25- 95.25	107	410	5.62	21.52
93.25- 94.25	75	303	3.94	15.91
92.25- 93.25	64	228	3.36	11.97
91.25- 92.25	56	164	2.94	8.61
90.25- 91.25	35	108	1.84	5.67
89.25- 90.25	29	73	1.52	3.83
88.25- 89.25	17	44	0.89	2.31
87.25- 88.25	8	27	0.42	1.42
86.25- 87.25	11	19	0.58	1.00
85.25- 86.25	8	8	0.42	0.42

*IN CENTIMETERS

CENTIMETERS		INCHES
100.00	MEAN VALUE	39.37
0.14	SE(MEAN)	0.05
6.09	SD DEVIATION	2.40
0.10	SE(SD DEV)	0.04

****

SYMMETRY---VETA I = 0.62
KURTOSIS---VETA II = 3.98
COEF. OF VARIATION = 6.1%

****

NUMBER OF SUBJECTS = 1905

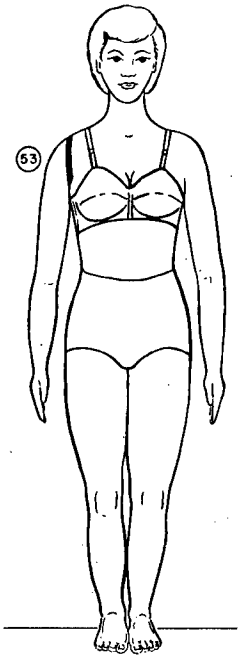
****

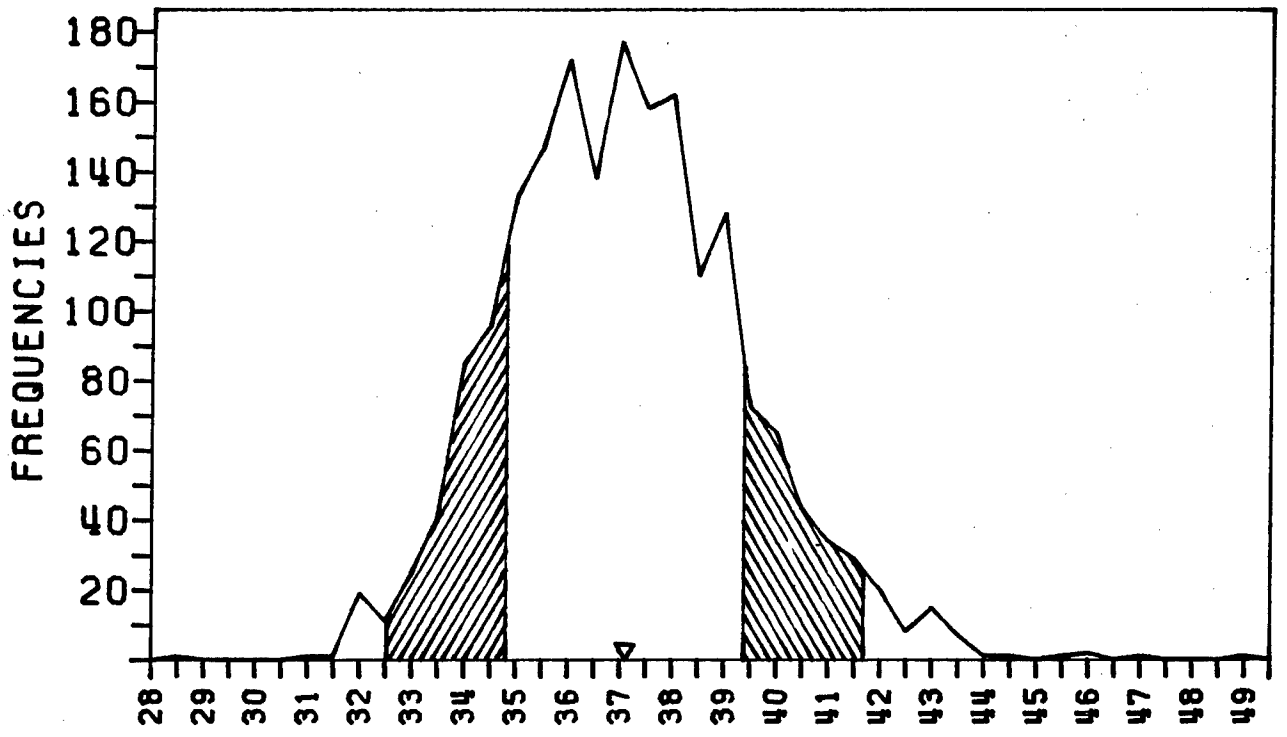
THE PERCENTILES

CENTIMETERS		INCHES
118.03	99TH	46.47
114.86	98TH	45.22
113.04	97TH	44.50
110.79	95TH	43.62
107.73	90TH	42.41
105.90	85TH	41.69
104.56	80TH	41.16
103.46	75TH	40.73
102.52	70TH	40.36
101.69	65TH	40.03
100.92	60TH	39.73
100.19	55TH	39.44
99.49	50TH	39.17
98.79	45TH	38.89
98.10	40TH	38.62
97.40	35TH	38.35
96.67	30TH	38.06
95.88	25TH	37.75
95.00	20TH	37.40
94.00	15TH	37.01
92.72	10TH	36.51
90.85	5TH	35.77
89.64	3RD	35.29
88.76	2ND	34.94
87.40	1ST	34.41

(53) SCYE CIRCUMFERENCE

Subject stands erect looking straight ahead. The right arm is abducted sufficiently to allow placement of a tape into the axilla. With a tape passing through the axilla, over the anterior and posterior-vertical scye landmarks and over the right acromial landmark, measure the circumference of the scye. The axillary tissue is not compressed.





RANGES*	F	CUMF	FPCT	CUMPCT
48.75- 49.25	1	1905	0.05	100.00
48.25- 48.75	0	1904	0.00	99.95
47.75- 48.25	0	1904	0.00	99.95
47.25- 47.75	0	1904	0.00	99.95
46.75- 47.25	1	1904	0.05	99.95
46.25- 46.75	0	1903	0.00	99.90
45.75- 46.25	2	1903	0.10	99.90
45.25- 45.75	1	1901	0.05	99.79
44.75- 45.25	0	1900	0.00	99.74
44.25- 44.75	1	1900	0.05	99.74
43.75- 44.25	1	1899	0.05	99.69
43.25- 43.75	7	1898	0.37	99.63
42.75- 43.25	15	1891	0.79	99.27
42.25- 42.75	8	1876	0.42	98.48
41.75- 42.25	20	1868	1.05	98.06
41.25- 41.75	29	1848	1.52	97.01
40.75- 41.25	34	1819	1.78	95.49
40.25- 40.75	43	1785	2.26	93.70
39.75- 40.25	65	1742	3.41	91.44
39.25- 39.75	72	1677	3.78	88.03
38.75- 39.25	128	1605	6.72	84.25
38.25- 38.75	110	1477	5.77	77.53
37.75- 38.25	162	1367	8.50	71.76
37.25- 37.75	158	1205	8.29	63.25
36.75- 37.25	177	1047	9.29	54.96
36.25- 36.75	138	870	7.24	45.67
35.75- 36.25	172	732	9.03	38.43
35.25- 35.75	147	560	7.72	29.40
34.75- 35.25	133	413	6.98	21.68
34.25- 34.75	96	280	5.04	14.70
33.75- 34.25	85	184	4.46	9.66
33.25- 33.75	41	99	2.15	5.20
32.75- 33.25	25	58	1.31	3.04
32.25- 32.75	11	33	0.58	1.73
31.75- 32.25	19	22	1.00	1.15
31.25- 31.75	1	3	0.05	0.16
30.75- 31.25	1	2	0.05	0.10
30.25- 30.75	0	1	0.00	0.05
29.75- 30.25	0	1	0.00	0.05
29.25- 29.75	0	1	0.00	0.05
28.75- 29.25	0	1	0.00	0.05
28.25- 28.75	1	1	0.05	0.05

*IN CENTIMETERS

CENTIMETERS		INCHES
37.10	MEAN VALUE	14.61
0.05	SE(MEAN)	0.02
2.29	SD DEVIATION	0.90
0.04	SE(SD DEV)	0.01

****

SYMMETRY---VETA I = 0.42
KURTOSIS---VETA II = 3.64
COEF. OF VARIATION = 6.2%

****

NUMBER OF SUBJECTS = 1905

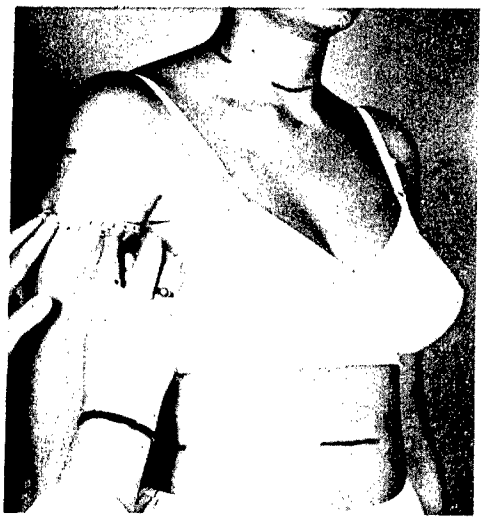
****

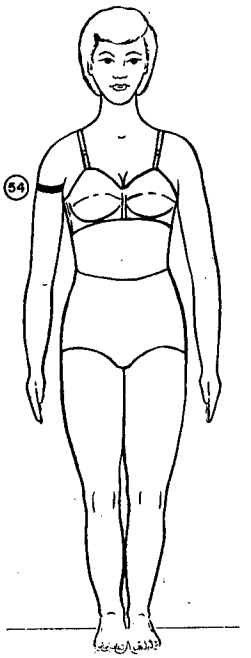
THE PERCENTILES

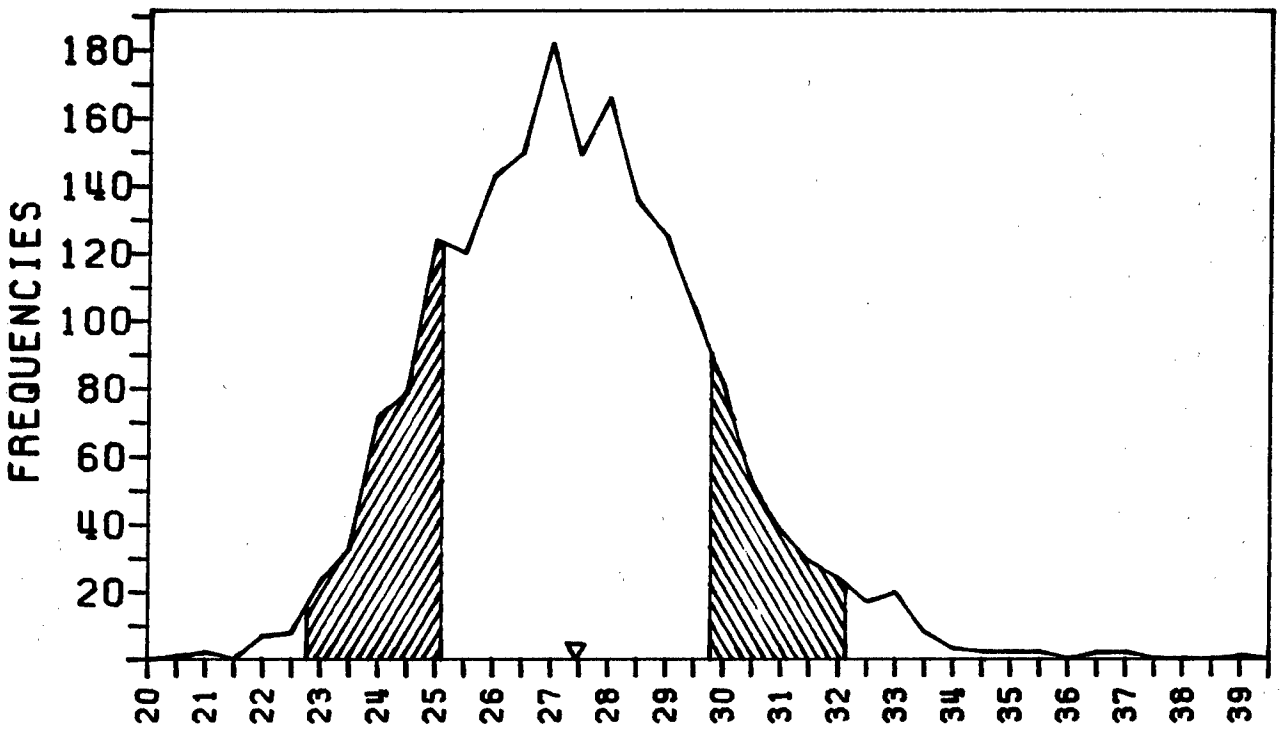
CENTIMETERS		INCHES
43.05	99TH	16.95
42.25	98TH	16.64
41.75	97TH	16.44
41.08	95TH	16.17
40.08	90TH	15.78
39.43	85TH	15.52
38.93	80TH	15.33
38.51	75TH	15.16
38.14	70TH	15.02
37.81	65TH	14.89
37.50	60TH	14.77
37.21	55TH	14.65
36.93	50TH	14.54
36.66	45TH	14.43
36.38	40TH	14.32
36.11	35TH	14.22
35.82	30TH	14.10
35.52	25TH	13.98
35.18	20TH	13.85
34.80	15TH	13.70
34.33	10TH	13.51
33.62	5TH	13.24
33.16	3RD	13.06
32.81	2ND	12.92
32.25	1ST	12.70

(54) AXILLARY ARM CIRCUMFERENCE

Subject stands with right arm abducted sufficiently to allow clearance of a tape between the arm and trunk. With a tape held in a plane perpendicular to the long axis of the upper arm, measure the circumference of the arm at the level of the anterior arm-scye landmark. The axillary tissue is not compressed.







RANGES*	F	CUMF	FPCT	CUMPCT
38.75- 39.25	1	1905	0.05	100.00
38.25- 38.75	0	1904	0.00	99.95
37.75- 38.25	0	1904	0.00	99.95
37.25- 37.75	0	1904	0.00	99.95
36.75- 37.25	2	1904	0.10	99.95
36.25- 36.75	2	1902	0.10	99.84
35.75- 36.25	0	1900	0.00	99.74
35.25- 35.75	2	1900	0.10	99.74
34.75- 35.25	2	1898	0.10	99.63
34.25- 34.75	2	1896	0.10	99.53
33.75- 34.25	3	1894	0.16	99.42
33.25- 33.75	8	1891	0.42	99.27
32.75- 33.25	20	1883	1.05	98.85
32.25- 32.75	17	1863	0.89	97.80
31.75- 32.25	24	1846	1.26	96.90
31.25- 31.75	29	1822	1.52	95.64
30.75- 31.25	38	1793	1.99	94.12
30.25- 30.75	52	1755	2.73	92.13
29.75- 30.25	81	1703	4.25	89.40
29.25- 29.75	103	1622	5.41	85.14
28.75- 29.25	125	1519	6.56	79.74
28.25- 28.75	135	1394	7.09	73.18
27.75- 28.25	166	1259	8.71	66.09
27.25- 27.75	149	1093	7.82	57.38
26.75- 27.25	182	944	9.55	49.55
26.25- 26.75	150	762	7.87	40.00
25.75- 26.25	143	612	7.51	32.13
25.25- 25.75	120	469	6.30	24.62
24.75- 25.25	124	349	6.51	18.32
24.25- 24.75	79	225	4.15	11.81
23.75- 24.25	72	146	3.78	7.66
23.25- 23.75	33	74	1.73	3.88
22.75- 23.25	23	41	1.21	2.15
22.25- 22.75	8	18	0.42	0.94
21.75- 22.25	7	10	0.37	0.52
21.25- 21.75	0	3	0.00	0.16
20.75- 21.25	2	3	0.10	0.16
20.25- 20.75	1	1	0.05	0.05

*IN CENTIMETERS

CENTIMETERS		INCHES
27.44	MEAN VALUE	10.80
0.05	SE(MEAN)	0.02
2.34	SD DEVIATION	0.92
0.04	SE(SD DEV)	0.01

****

SYMMETRY---VETA I = 0.47
KURTOSIS---VETA II = 3.65
COEF. OF VARIATION = 8.5%

****

NUMBER OF SUBJECTS = 1905

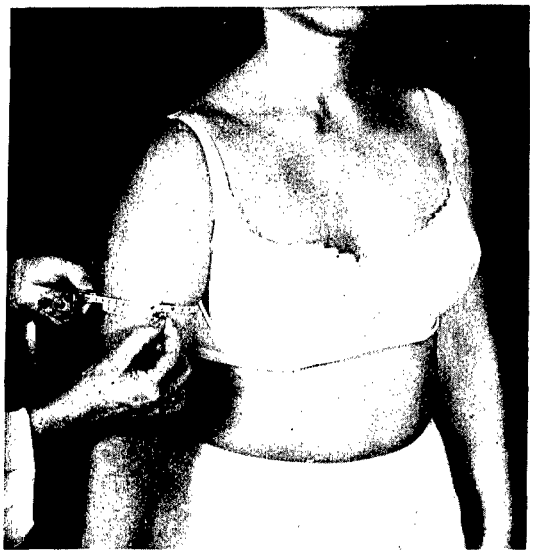
****

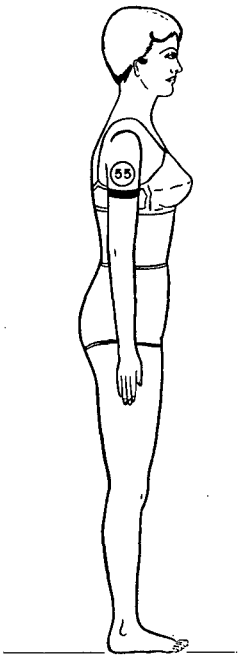
THE PERCENTILES

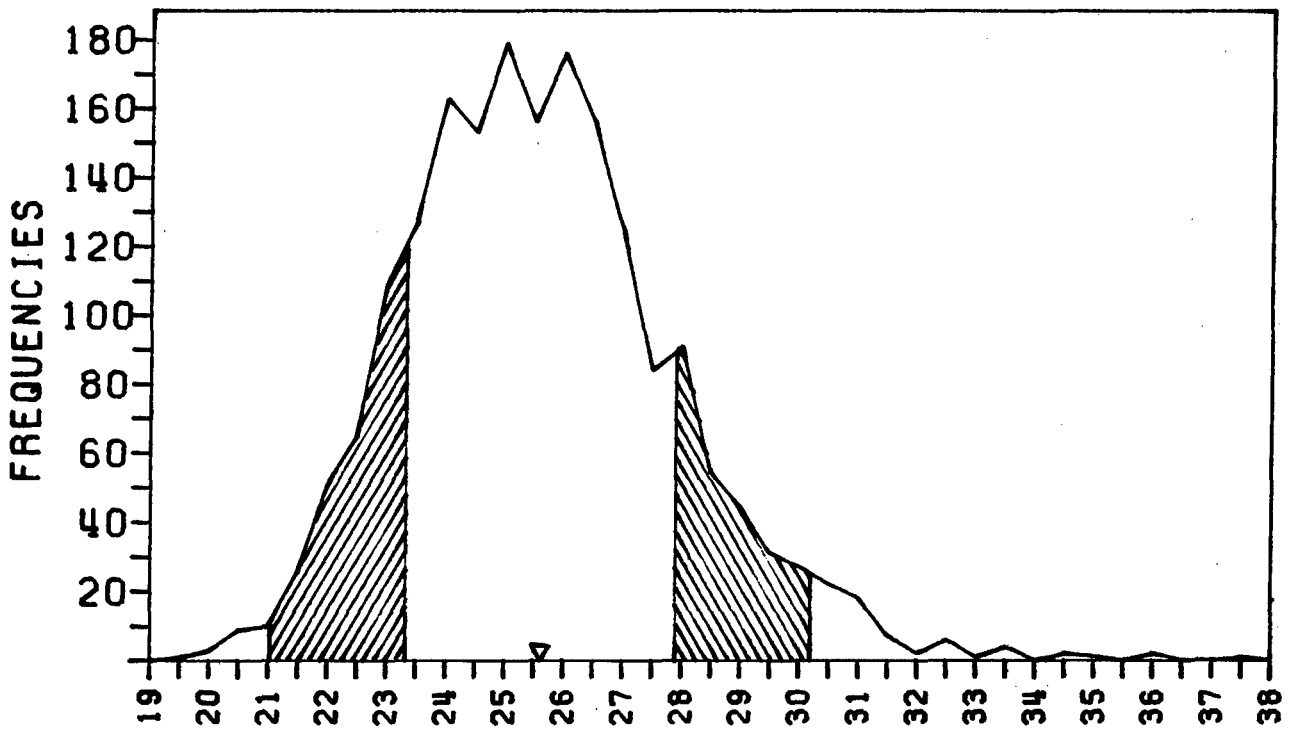
CENTIMETERS		INCHES
33.56	99TH	13.21
32.71	98TH	12.88
32.19	97TH	12.67
31.50	95TH	12.40
30.49	90TH	12.00
29.83	85TH	11.74
29.32	80TH	11.54
28.89	75TH	11.38
28.52	70TH	11.23
28.18	65TH	11.09
27.86	60TH	10.97
27.56	55TH	10.85
27.27	50TH	10.74
26.98	45TH	10.62
26.69	40TH	10.51
26.40	35TH	10.39
26.10	30TH	10.28
25.78	25TH	10.15
25.43	20TH	10.01
25.04	15TH	9.86
24.56	10TH	9.67
23.89	5TH	9.40
23.48	3RD	9.24
23.19	2ND	9.13
22.77	1ST	8.96

(55) BICEPS CIRCUMFERENCE, RELAXED, RIGHT

Subject stands with right arm slightly abducted. With a tape held in a plane perpendicular to the long axis of the upper arm, measure the circumference of the arm at the level of the biceps landmark.







RANGES*	F	CUMF	FPCT	CUMPCT
37.25- 37.75	1	1905	0.05	100.00
36.75- 37.25	0	1904	0.00	99.95
36.25- 36.75	0	1904	0.00	99.95
35.75- 36.25	2	1904	0.10	99.95
35.25- 35.75	0	1902	0.00	99.84
34.75- 35.25	1	1902	0.05	99.84
34.25- 34.75	2	1901	0.10	99.79
33.75- 34.25	0	1899	0.00	99.69
33.25- 33.75	4	1899	0.21	99.69
32.75- 33.25	1	1895	0.05	99.48
32.25- 32.75	6	1894	0.31	99.42
31.75- 32.25	2	1888	0.10	99.11
31.25- 31.75	7	1886	0.37	99.00
30.75- 31.25	18	1879	0.94	98.64
30.25- 30.75	22	1861	1.15	97.69
29.75- 30.25	27	1839	1.42	96.54
29.25- 29.75	31	1812	1.63	95.12
28.75- 29.25	44	1781	2.31	93.49
28.25- 28.75	54	1737	2.83	91.18
27.75- 28.25	91	1683	4.78	88.35
27.25- 27.75	84	1592	4.41	83.57
26.75- 27.25	124	1508	6.51	79.16
26.25- 26.75	156	1384	8.19	72.65
25.75- 26.25	176	1228	9.24	64.46
25.25- 25.75	156	1052	8.19	55.22
24.75- 25.25	179	896	9.40	47.03
24.25- 24.75	153	717	8.03	37.64
23.75- 24.25	163	564	8.56	29.61
23.25- 23.75	127	401	6.67	21.05
22.75- 23.25	109	274	5.72	14.38
22.25- 22.75	65	165	3.41	8.66
21.75- 22.25	51	100	2.68	5.25
21.25- 21.75	26	49	1.36	2.57
20.75- 21.25	10	23	0.52	1.21
20.25- 20.75	9	13	0.47	0.68
19.75- 20.25	3	4	0.16	0.21
19.25- 19.75	1	1	0.05	0.05

*IN CENTIMETERS

CENTIMETERS		INCHES
25.61	MEAN VALUE	10.08
0.05	SE(MEAN)	0.02
2.29	SD DEVIATION	0.90
0.04	SE(SD DEV)	0.01

****

SYMMETRY---VETA I = 0.62
KURTOSIS---VETA II = 4.03
COEF. OF VARIATION = 8.9%

****

NUMBER OF SUBJECTS = 1905

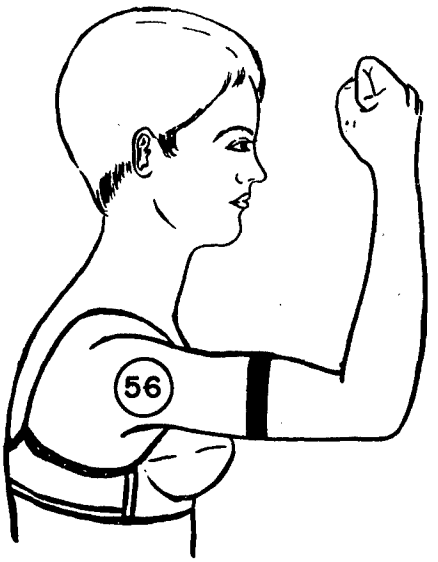
****

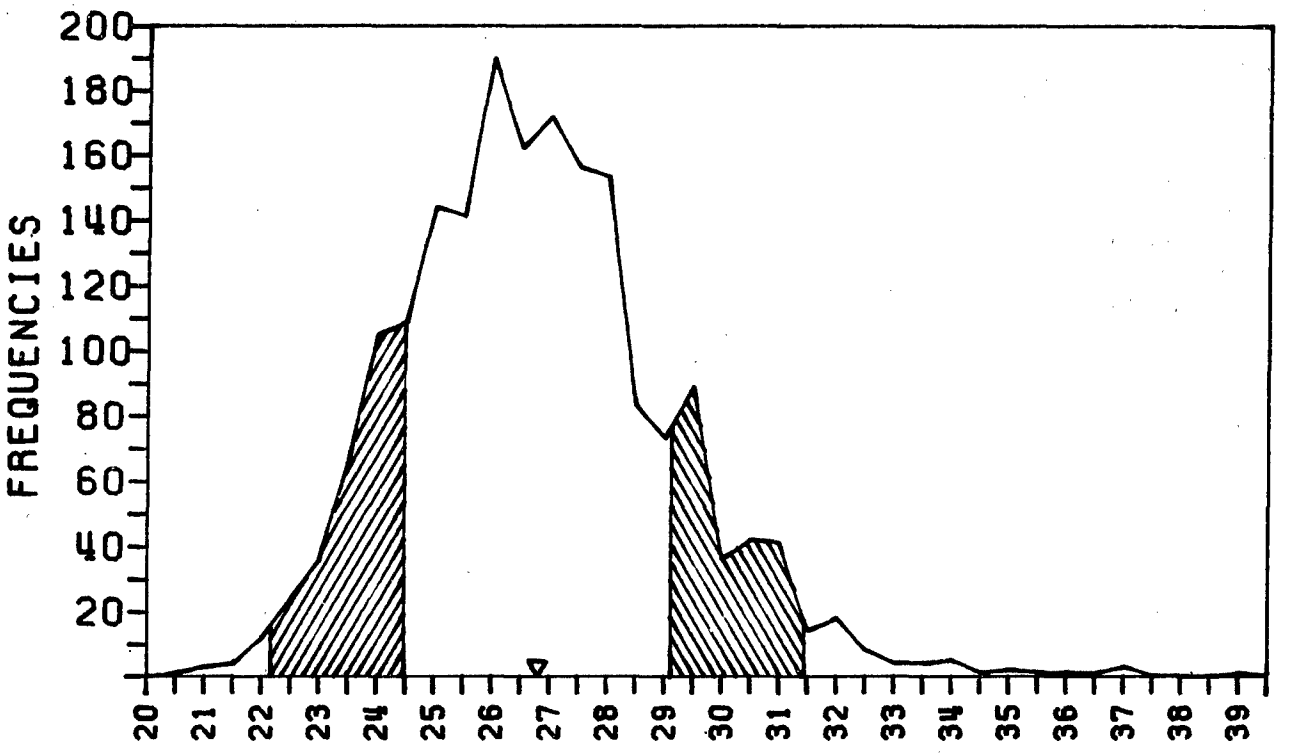
THE PERCENTILES

CENTIMETERS		INCHES
31.79	99TH	12.52
30.91	98TH	12.17
30.37	97TH	11.96
29.65	95TH	11.67
28.60	90TH	11.26
27.92	85TH	10.99
27.41	80TH	10.79
26.98	75TH	10.62
26.61	70TH	10.48
26.28	65TH	10.35
25.97	60TH	10.22
25.68	55TH	10.11
25.40	50TH	10.00
25.12	45TH	9.89
24.85	40TH	9.78
24.58	35TH	9.68
24.30	30TH	9.57
24.00	25TH	9.45
23.68	20TH	9.32
23.31	15TH	9.18
22.87	10TH	9.00
22.23	5TH	8.75
21.82	3RD	8.59
21.52	2ND	8.47
21.06	1ST	8.29

(56) BICEPS CIRCUMFERENCE, FLEXED, RIGHT

Subject stands, right upper arm raised so that its long axis is horizontal, elbow flexed 90 degrees, biceps strongly contracted, and fist tightly clenched. With a tape held in a plane perpendicular to the long axis of the upper arm, measure the circumference of the arm at the level of the biceps landmark.





RANGES*	F	CUMF	FPCT	CUMPCT
38.75- 39.25	1	1905	0.05	100.00
38.25- 38.75	0	1904	0.00	99.95
37.75- 38.25	0	1904	0.00	99.95
37.25- 37.75	0	1904	0.00	99.95
36.75- 37.25	3	1904	0.16	99.95
36.25- 36.75	1	1901	0.05	99.79
35.75- 36.25	1	1900	0.05	99.74
35.25- 35.75	1	1899	0.05	99.69
34.75- 35.25	2	1898	0.10	99.63
34.25- 34.75	1	1896	0.05	99.53
33.75- 34.25	5	1895	0.26	99.48
33.25- 33.75	4	1890	0.21	99.21
32.75- 33.25	4	1886	0.21	99.00
32.25- 32.75	8	1882	0.42	98.79
31.75- 32.25	18	1874	0.94	98.37
31.25- 31.75	14	1856	0.73	97.43
30.75- 31.25	41	1842	2.15	96.69
30.25- 30.75	42	1801	2.20	94.54
29.75- 30.25	36	1759	1.89	92.34
29.25- 29.75	89	1723	4.67	90.45
28.75- 29.25	73	1634	3.83	85.77
28.25- 28.75	83	1561	4.36	81.94
27.75- 28.25	153	1478	8.03	77.59
27.25- 27.75	156	1325	8.19	69.55
26.75- 27.25	172	1169	9.03	61.36
26.25- 26.75	162	997	8.50	52.34
25.75- 26.25	190	835	9.97	43.83
25.25- 25.75	141	645	7.40	33.86
24.75- 25.25	144	504	7.56	26.46
24.25- 24.75	109	360	5.72	18.90
23.75- 24.25	105	251	5.51	13.18
23.25- 23.75	66	146	3.46	7.66
22.75- 23.25	36	80	1.89	4.20
22.25- 22.75	24	44	1.26	2.31
21.75- 22.25	12	20	0.63	1.05
21.25- 21.75	4	8	0.21	0.42
20.75- 21.25	3	4	0.16	0.21
20.25- 20.75	1	1	0.05	0.05

*IN CENTIMETERS

CENTIMETERS		INCHES
26.79	MEAN VALUE	10.55
0.05	SE(MEAN)	0.02
2.32	SD DEVIATION	0.91
0.04	SE(SD DEV)	0.01

****

SYMMETRY---VETA I = 0.62
KURTOSIS---VETA II = 4.13
COEF. OF VARIATION = 8.6%

****

NUMBER OF SUBJECTS = 1905

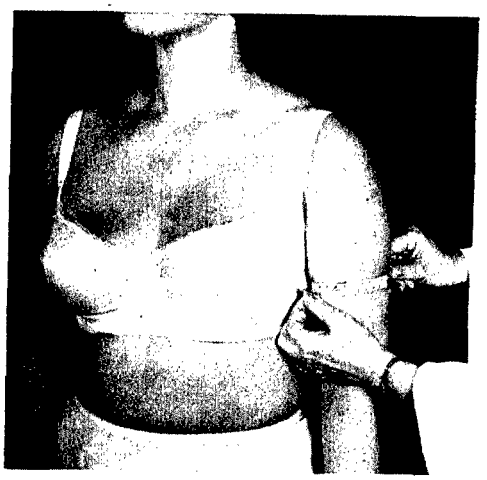
****

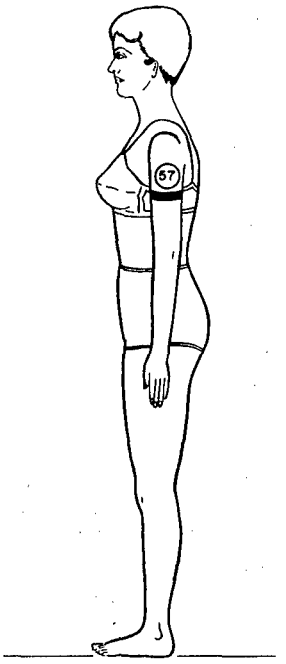
THE PERCENTILES

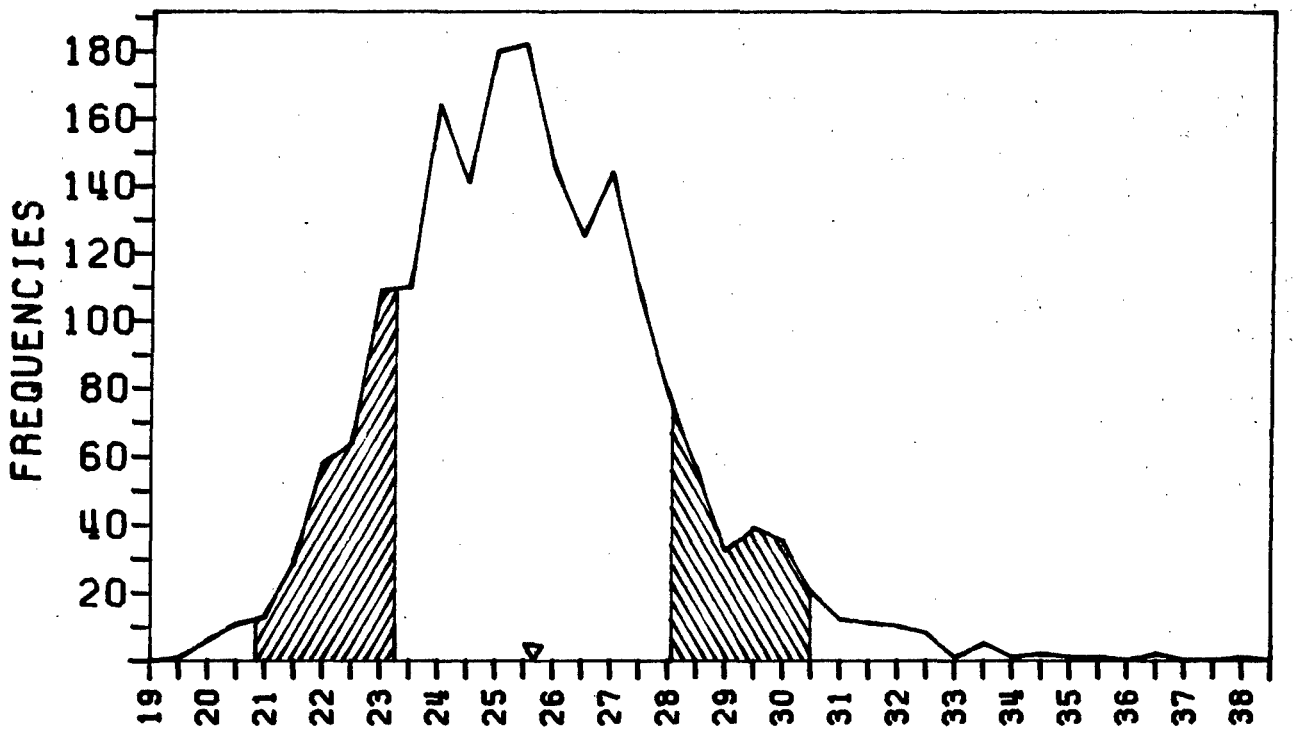
CENTIMETERS		INCHES
33.17	99TH	13.06
32.14	98TH	12.65
31.54	97TH	12.42
30.78	95TH	12.12
29.71	90TH	11.70
29.05	85TH	11.44
28.56	80TH	11.24
28.14	75TH	11.08
27.79	70TH	10.94
27.47	65TH	10.81
27.17	60TH	10.70
26.88	55TH	10.58
26.60	50TH	10.47
26.33	45TH	10.37
26.06	40TH	10.26
25.78	35TH	10.15
25.49	30TH	10.03
25.18	25TH	9.91
24.84	20TH	9.78
24.45	15TH	9.63
23.98	10TH	9.44
23.31	5TH	9.18
22.91	3RD	9.02
22.63	2ND	8.91
22.23	1ST	8.75

(57) BICEPS CIRCUMFERENCE, RELAXED, LEFT

Subject stands with left arm slightly abducted. With a tape held in a plane perpendicular to the long axis of the upper arm, measure the circumference of the arm at the level of the biceps landmark.







RANGES*	F	CUMF	FPCT	CUMPCT
37.75- 38.25	1	1905	0.05	100.00
37.25- 37.75	0	1904	0.00	99.95
36.75- 37.25	0	1904	0.00	99.95
36.25- 36.75	2	1904	0.10	99.95
35.75- 36.25	0	1902	0.00	99.84
35.25- 35.75	1	1902	0.05	99.84
34.75- 35.25	1	1901	0.05	99.79
34.25- 34.75	2	1900	0.10	99.74
33.75- 34.25	1	1898	0.05	99.63
33.25- 33.75	5	1897	0.26	99.58
32.75- 33.25	1	1892	0.05	99.32
32.25- 32.75	8	1891	0.42	99.27
31.75- 32.25	10	1883	0.52	98.85
31.25- 31.75	11	1873	0.58	98.32
30.75- 31.25	12	1862	0.63	97.74
30.25- 30.75	20	1850	1.05	97.11
29.75- 30.25	35	1830	1.84	96.06
29.25- 29.75	39	1795	2.05	94.23
28.75- 29.25	32	1756	1.68	92.18
28.25- 28.75	56	1724	2.94	90.50
27.75- 28.25	78	1668	4.09	87.56
27.25- 27.75	108	1590	5.67	83.46
26.75- 27.25	144	1482	7.56	77.80
26.25- 26.75	125	1338	6.56	70.24
25.75- 26.25	145	1213	7.61	63.67
25.25- 25.75	182	1068	9.55	56.06
24.75- 25.25	180	886	9.45	46.51
24.25- 24.75	141	706	7.40	37.06
23.75- 24.25	164	565	8.61	29.66
23.25- 23.75	110	401	5.77	21.05
22.75- 23.25	109	291	5.72	15.28
22.25- 22.75	64	182	3.36	9.55
21.75- 22.25	58	118	3.04	6.19
21.25- 21.75	29	60	1.52	3.15
20.75- 21.25	13	31	0.68	1.63
20.25- 20.75	11	18	0.58	0.94
19.75- 20.25	6	7	0.31	0.37
19.25- 19.75	1	1	0.05	0.05

*IN CENTIMETERS

CENTIMETERS		INCHES
25.66	MEAN VALUE	10.10
0.06	SE(MEAN)	0.02
2.41	SD DEVIATION	0.95
0.04	SE(SD DEV)	0.02

****

SYMMETRY---VETA I = 0.65
KURTOSIS---VETA II = 4.11
COEF. OF VARIATION = 9.4%

****

NUMBER OF SUBJECTS = 1905

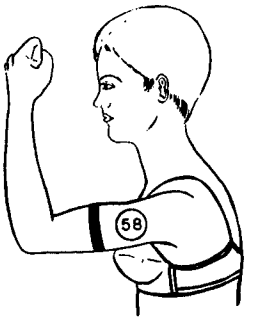
****

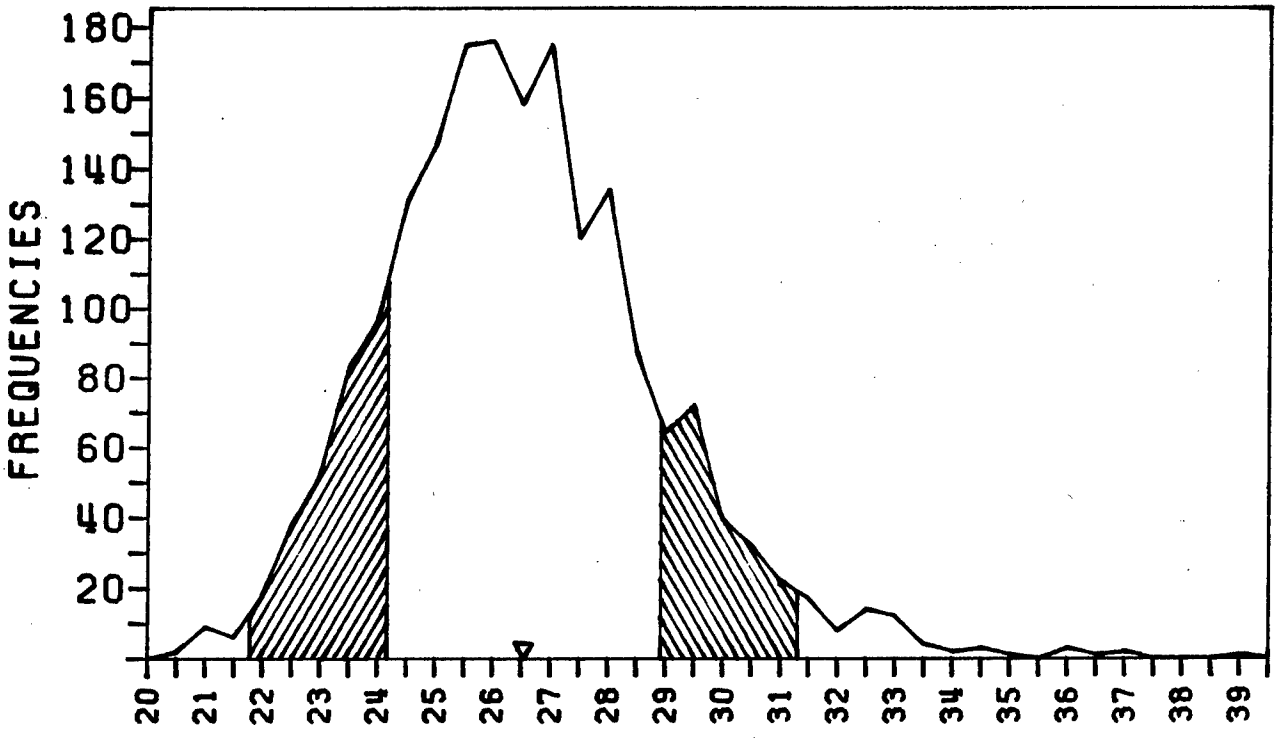
THE PERCENTILES

CENTIMETERS		INCHES
32.48	99TH	12.79
31.38	98TH	12.35
30.73	97TH	12.10
29.90	95TH	11.77
28.73	90TH	11.31
28.02	85TH	11.03
27.48	80TH	10.82
27.04	75TH	10.65
26.66	70TH	10.50
26.32	65TH	10.36
26.01	60TH	10.24
25.71	55TH	10.12
25.43	50TH	10.01
25.15	45TH	9.90
24.87	40TH	9.79
24.59	35TH	9.68
24.30	30TH	9.57
23.99	25TH	9.45
23.66	20TH	9.31
23.27	15TH	9.16
22.79	10TH	8.97
22.09	5TH	8.70
21.65	3RD	8.52
21.33	2ND	8.40
20.83	1ST	8.20

(58) BICEPS CIRCUMFERENCE, FLEXED, LEFT

Subject stands, left upper arm raised so that its long axis is horizontal, elbow flexed 90 degrees, biceps strongly contracted, and fist tightly clenched. With a tape held in a plane perpendicular to the long axis of the upper arm, measure the circumference of the arm at the level of the biceps landmark.





RANGES*	F	CUMF	FPCT	CUMPCT
38.75- 39.25	1	1905	0.05	100.00
38.25- 38.75	0	1904	0.00	99.95
37.75- 38.25	0	1904	0.00	99.95
37.25- 37.75	0	1904	0.00	99.95
36.75- 37.25	2	1904	0.10	99.95
36.25- 36.75	1	1902	0.05	99.84
35.75- 36.25	3	1901	0.16	99.79
35.25- 35.75	0	1898	0.00	99.63
34.75- 35.25	1	1898	0.05	99.63
34.25- 34.75	3	1897	0.16	99.58
33.75- 34.25	2	1894	0.10	99.42
33.25- 33.75	4	1892	0.21	99.32
32.75- 33.25	12	1888	0.63	99.11
32.25- 32.75	14	1876	0.73	98.48
31.75- 32.25	8	1862	0.42	97.74
31.25- 31.75	17	1854	0.89	97.32
30.75- 31.25	22	1837	1.15	96.43
30.25- 30.75	32	1815	1.68	95.28
29.75- 30.25	39	1783	2.05	93.60
29.25- 29.75	72	1744	3.78	91.55
28.75- 29.25	64	1672	3.36	87.77
28.25- 28.75	87	1608	4.57	84.41
27.75- 28.25	134	1521	7.03	79.84
27.25- 27.75	120	1387	6.30	72.81
26.75- 27.25	175	1267	9.19	66.51
26.25- 26.75	158	1092	8.29	57.32
25.75- 26.25	176	934	9.24	49.03
25.25- 25.75	175	758	9.19	39.79
24.75- 25.25	147	583	7.72	30.60
24.25- 24.75	131	436	6.88	22.89
23.75- 24.25	97	305	5.09	16.01
23.25- 23.75	83	208	4.36	10.92
22.75- 23.25	52	125	2.73	6.56
22.25- 22.75	38	73	1.99	3.83
21.75- 22.25	18	35	0.94	1.84
21.25- 21.75	6	17	0.31	0.89
20.75- 21.25	9	11	0.47	0.58
20.25- 20.75	2	2	0.10	0.10

*IN CENTIMETERS

CENTIMETERS		INCHES
26.54	MEAN VALUE	10.45
0.05	SE(MEAN)	0.02
2.38	SD DEVIATION	0.94
0.04	SE(SD DEV)	0.02

****

SYMMETRY---VETA I = 0.66
KURTOSIS---VETA II = 4.23
COEF. OF VARIATION = 9.0%

****

NUMBER OF SUBJECTS = 1905

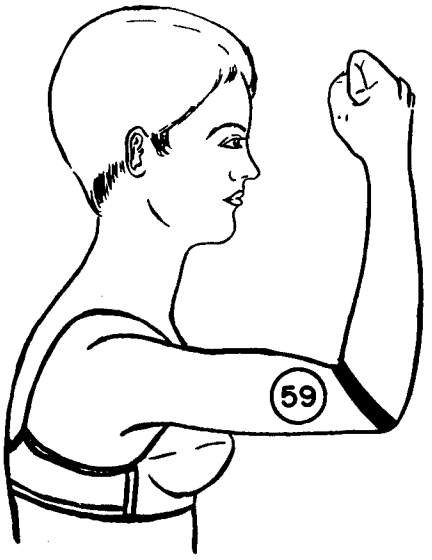
****

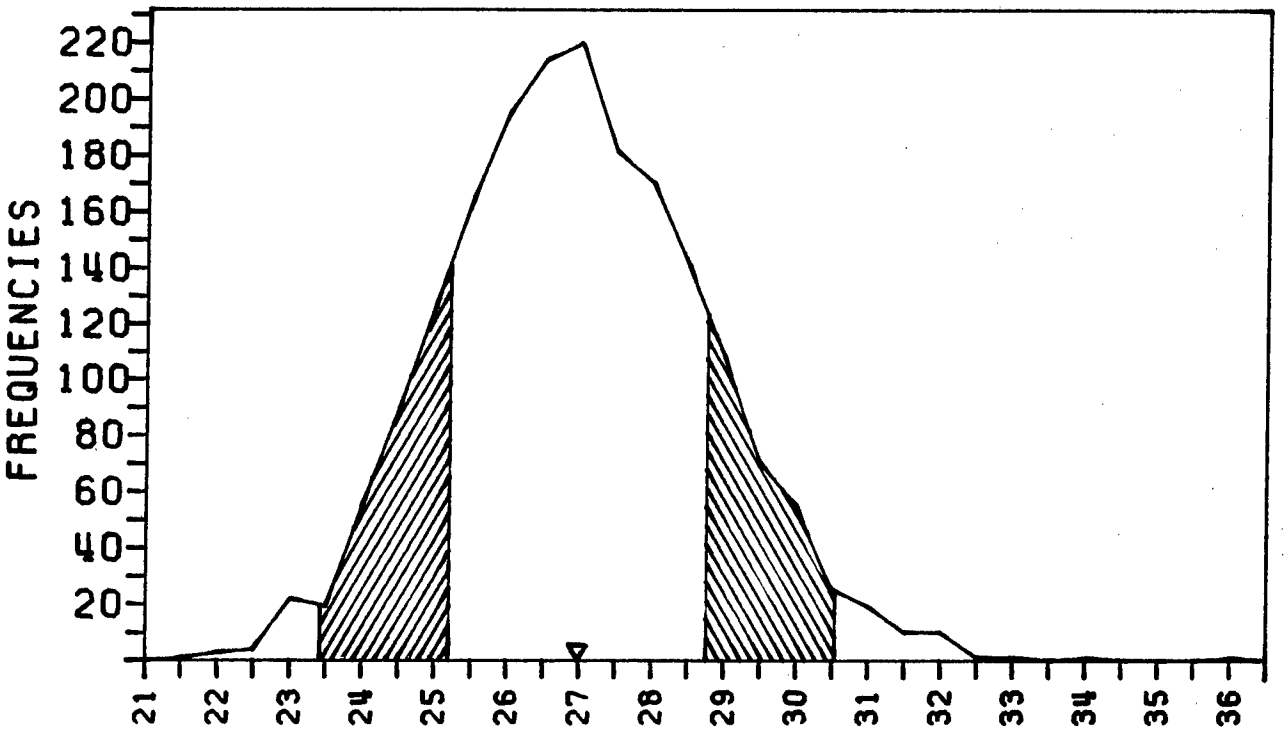
THE PERCENTILES

CENTIMETERS		INCHES
33.30	99TH	13.11
32.20	98TH	12.68
31.55	97TH	12.42
30.72	95TH	12.10
29.57	90TH	11.64
28.86	85TH	11.36
28.34	80TH	11.16
27.90	75TH	10.98
27.52	70TH	10.84
27.19	65TH	10.70
26.88	60TH	10.58
26.59	55TH	10.47
26.30	50TH	10.36
26.03	45TH	10.25
25.75	40TH	10.14
25.47	35TH	10.03
25.18	30TH	9.91
24.87	25TH	9.79
24.54	20TH	9.66
24.15	15TH	9.51
23.68	10TH	9.32
23.00	5TH	9.05
22.57	3RD	8.88
22.26	2ND	8.76
21.80	1ST	8.58

(59) ELBOW CIRCUMFERENCE, FLEXED

Subject stands, right upper arm raised so that its long axis is horizontal, elbow flexed 90 degrees, fist tightly clenched and biceps strongly contracted. With a tape passing over the tip and through the crotch of the elbow, measure the circumference of the elbow.





RANGES*	F	CUMF	FPCT	CUMPCT
35.75- 36.25	1	1905	0.05	100.00
35.25- 35.75	0	1904	0.00	99.95
34.75- 35.25	0	1904	0.00	99.95
34.25- 34.75	0	1904	0.00	99.95
33.75- 34.25	1	1904	0.05	99.95
33.25- 33.75	0	1903	0.00	99.90
32.75- 33.25	1	1903	0.05	99.90
32.25- 32.75	1	1902	0.05	99.84
31.75- 32.25	10	1901	0.52	99.79
31.25- 31.75	10	1891	0.52	99.27
30.75- 31.25	19	1881	1.00	98.74
30.25- 30.75	25	1862	1.31	97.74
29.75- 30.25	55	1837	2.89	96.43
29.25- 29.75	70	1782	3.67	93.54
28.75- 29.25	108	1712	5.67	89.87
28.25- 28.75	141	1604	7.40	84.20
27.75- 28.25	170	1463	8.92	76.80
27.25- 27.75	181	1293	9.50	67.87
26.75- 27.25	220	1112	11.55	58.37
26.25- 26.75	214	892	11.23	46.82
25.75- 26.25	195	678	10.24	35.59
25.25- 25.75	164	483	8.61	25.35
24.75- 25.25	126	319	6.61	16.75
24.25- 24.75	89	193	4.67	10.13
23.75- 24.25	55	104	2.89	5.46
23.25- 23.75	19	49	1.00	2.57
22.75- 23.25	22	30	1.15	1.57
22.25- 22.75	4	8	0.21	0.42
21.75- 22.25	3	4	0.16	0.21
21.25- 21.75	1	1	0.05	0.05

*IN CENTIMETERS

CENTIMETERS		INCHES
26.98	MEAN VALUE	10.62
0.04	SE(MEAN)	0.02
1.78	SD DEVIATION	0.70
0.03	SE(SD DEV)	0.01

****

SYMMETRY---VETA I = 0.26
KURTOSIS---VETA II = 3.31
COEF. OF VARIATION = 6.6%

****

NUMBER OF SUBJECTS = 1905

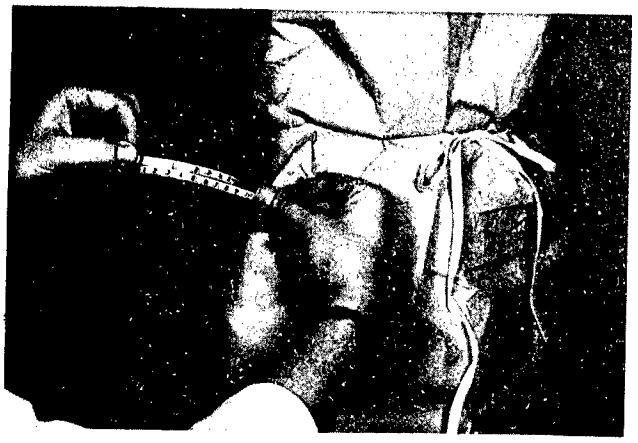
****

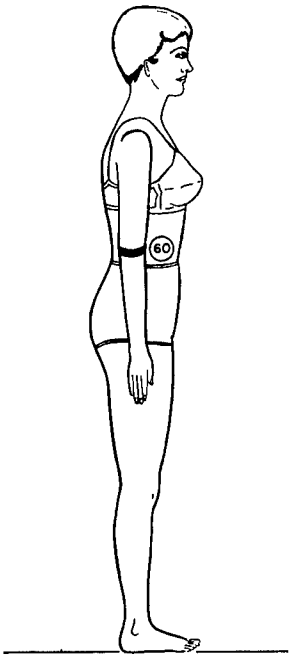
THE PERCENTILES

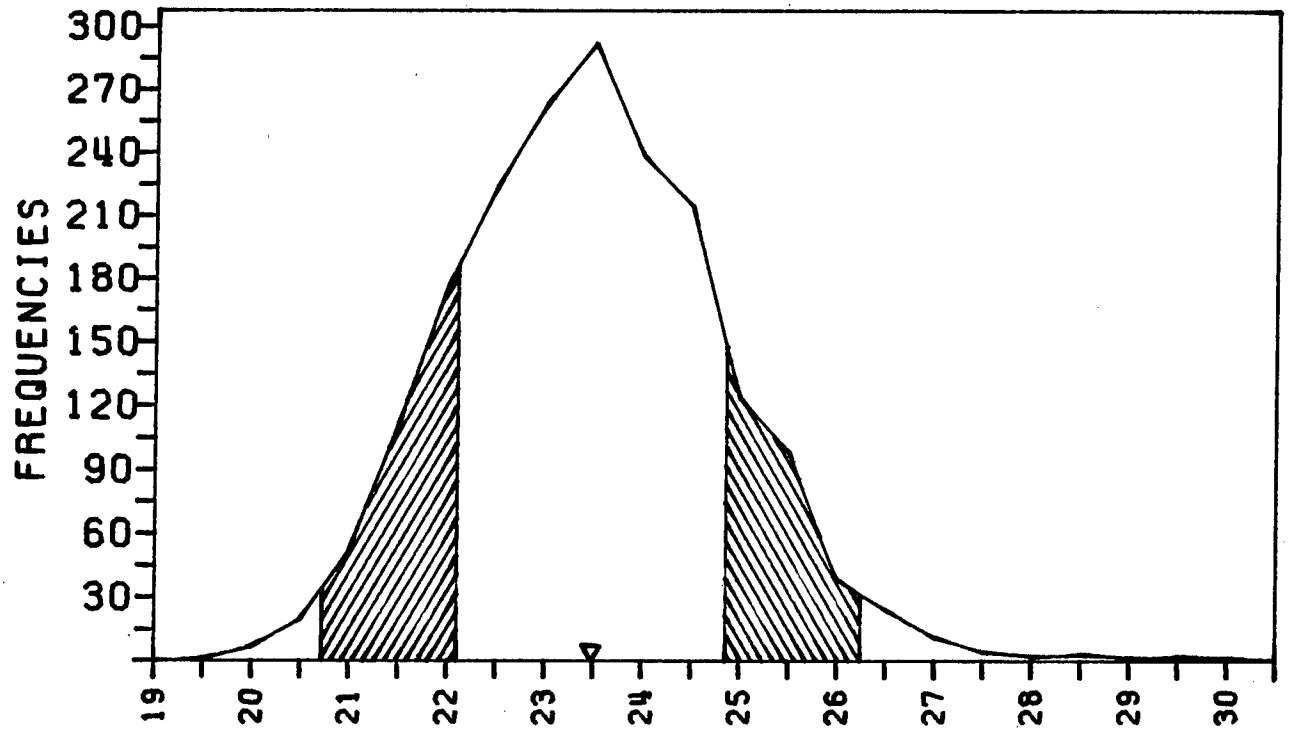
CENTIMETERS		INCHES
31.47	99TH	12.39
30.88	98TH	12.16
30.51	97TH	12.01
30.02	95TH	11.82
29.29	90TH	11.53
28.81	85TH	11.34
28.43	80TH	11.19
28.12	75TH	11.07
27.84	70TH	10.96
27.58	65TH	10.86
27.34	60TH	10.77
27.12	55TH	10.68
26.89	50TH	10.59
26.67	45TH	10.50
26.45	40TH	10.41
26.23	35TH	10.33
25.99	30TH	10.23
25.74	25TH	10.13
25.46	20TH	10.02
25.14	15TH	9.90
24.74	10TH	9.74
24.15	5TH	9.51
23.76	3RD	9.36
23.48	2ND	9.24
23.03	1ST	9.07

(60) FOREARM CIRCUMFERENCE, RELAXED

Subject stands erect with right arm slightly abducted and hand relaxed. With a tape held in a plane perpendicular to the long axis of the forearm, measure the circumference of the arm at the level of the forearm landmark.







RANGES*	F	CUMF	FPCT	CUMPCT
29.75- 30.25	1	1905	0.05	100.00
29.25- 29.75	2	1904	0.10	99.95
28.75- 29.25	1	1902	0.05	99.84
28.25- 28.75	3	1901	0.16	99.79
27.75- 28.25	2	1898	0.10	99.63
27.25- 27.75	4	1896	0.21	99.53
26.75- 27.25	11	1892	0.58	99.32
26.25- 26.75	24	1881	1.26	98.74
25.75- 26.25	38	1857	1.99	97.48
25.25- 25.75	98	1819	5.14	95.49
24.75- 25.25	123	1721	6.46	90.34
24.25- 24.75	214	1598	11.23	83.88
23.75- 24.25	238	1384	12.49	72.65
23.25- 23.75	292	1146	15.33	60.16
22.75- 23.25	263	854	13.81	44.83
22.25- 22.75	224	591	11.76	31.02
21.75- 22.25	176	367	9.24	19.27
21.25- 21.75	111	191	5.83	10.03
20.75- 21.25	52	80	2.73	4.20
20.25- 20.75	20	28	1.05	1.47
19.75- 20.25	7	8	0.37	0.42
19.25- 19.75	1	1	0.05	0.05

*IN CENTIMETERS

CENTIMETERS		INCHES
23.48	MEAN VALUE	9.24
0.03	SE(MEAN)	0.01
1.38	SD DEVIATION	0.54
0.02	SE(SD DEV)	0.01

****

SYMMETRY---VETA I = 0.38
KURTOSIS---VETA II = 3.63
COEF. OF VARIATION = 5.9%

****

NUMBER OF SUBJECTS = 1905

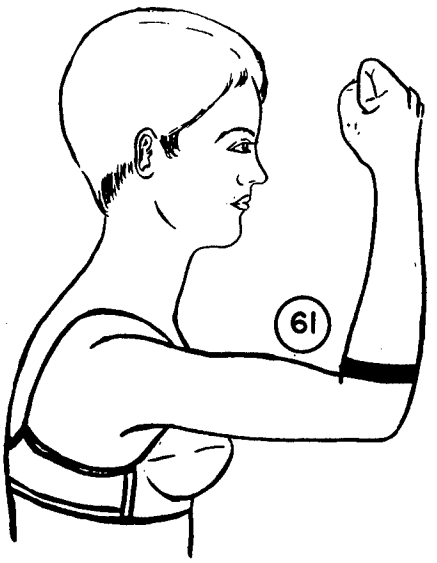
****

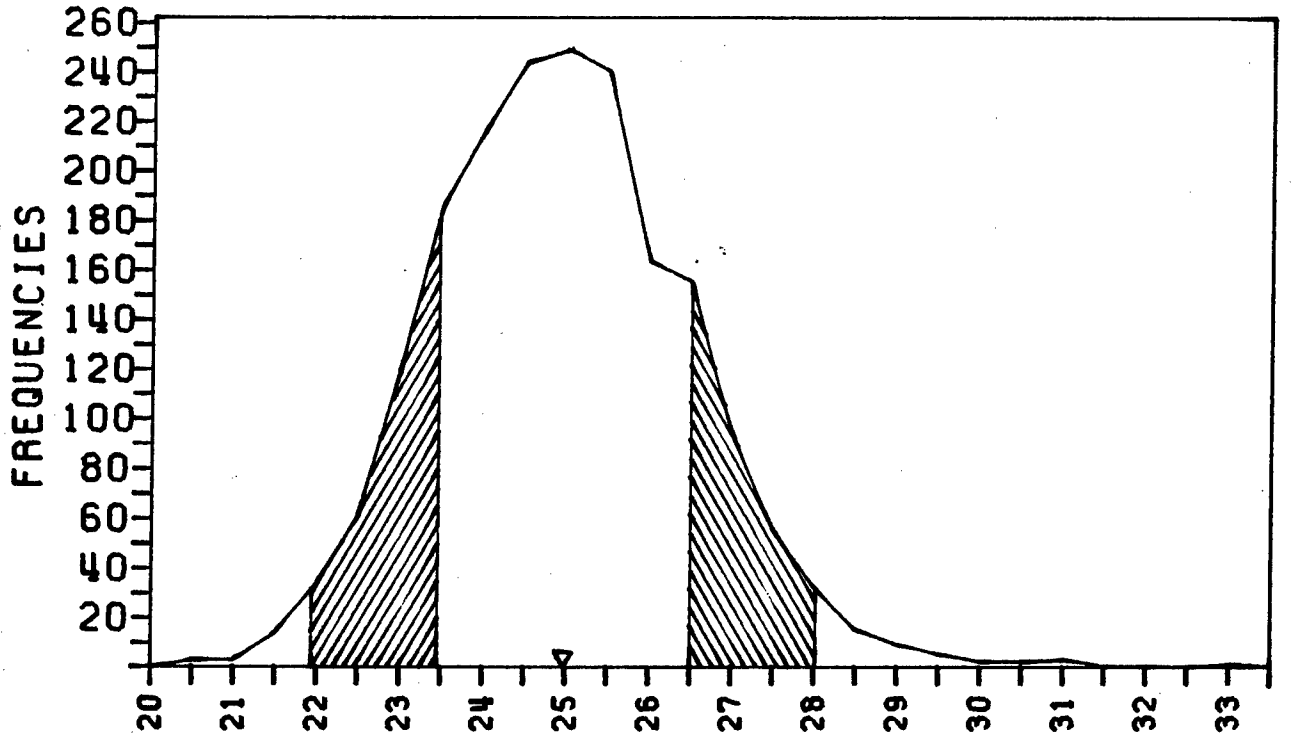
THE PERCENTILES

CENTIMETERS		INCHES
26.96	99TH	10.61
26.45	98TH	10.41
26.15	97TH	10.29
25.76	95TH	10.14
25.20	90TH	9.92
24.84	85TH	9.78
24.56	80TH	9.67
24.33	75TH	9.58
24.12	70TH	9.50
23.93	65TH	9.42
23.76	60TH	9.35
23.58	55TH	9.29
23.41	50TH	9.22
23.25	45TH	9.15
23.08	40TH	9.09
22.90	35TH	9.02
22.72	30TH	8.94
22.52	25TH	8.87
22.30	20TH	8.78
22.05	15TH	8.68
21.73	10TH	8.56
21.29	5TH	8.38
21.02	3RD	8.27
20.83	2ND	8.20
20.56	1ST	8.09

(61) FOREARM CIRCUMFERENCE, FLEXED

Subject stands, right upper arm raised so that its long axis is horizontal, elbow flexed 90 degrees, and fist tightly clenched. With a tape held in a plane perpendicular to the long axis of the forearm, measure the circumference of the arm at the level of the forearm landmark.





RANGES*	F	CUMF	FPCT	CUMPCT
32.75- 33.25	1	1905	0.05	100.00
32.25- 32.75	0	1904	0.00	99.95
31.75- 32.25	0	1904	0.00	99.95
31.25- 31.75	0	1904	0.00	99.95
30.75- 31.25	3	1904	0.16	99.95
30.25- 30.75	2	1901	0.10	99.79
29.75- 30.25	2	1899	0.10	99.69
29.25- 29.75	5	1897	0.26	99.58
28.75- 29.25	9	1892	0.47	99.32
28.25- 28.75	15	1883	0.79	98.85
27.75- 28.25	32	1868	1.68	98.06
27.25- 27.75	55	1836	2.89	96.38
26.75- 27.25	94	1781	4.93	93.49
26.25- 26.75	155	1687	8.14	88.56
25.75- 26.25	163	1532	8.56	80.42
25.25- 25.75	240	1369	12.60	71.86
24.75- 25.25	249	1129	13.07	59.27
24.25- 24.75	244	880	12.81	46.19
23.75- 24.25	216	636	11.34	33.39
23.25- 23.75	186	420	9.76	22.05
22.75- 23.25	119	234	6.25	12.28
22.25- 22.75	61	115	3.20	6.04
21.75- 22.25	34	54	1.78	2.83
21.25- 21.75	14	20	0.73	1.05
20.75- 21.25	3	6	0.16	0.31
20.25- 20.75	3	3	0.16	0.16

*IN CENTIMETERS

CENTIMETERS		INCHES
24.98	MEAN VALUE	9.83
0.03	SE(MEAN)	0.01
1.52	SD DEVIATION	0.60
0.02	SE(SD DEV)	0.01

****

SYMMETRY---VETA I = 0.34
KURTOSIS---VETA II = 3.59
COEF. OF VARIATION = 6.1%

****

NUMBER OF SUBJECTS = 1905

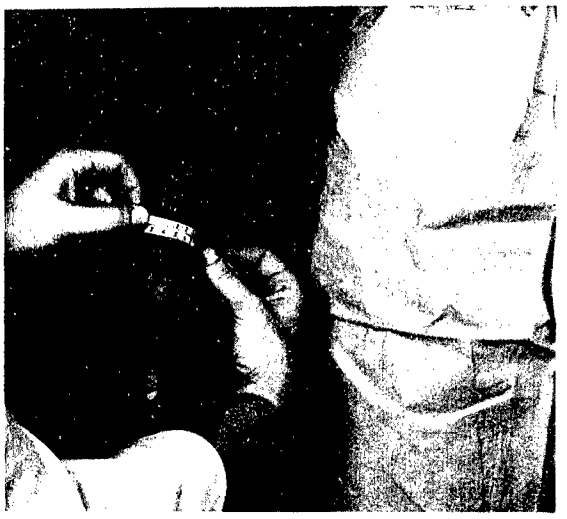
****

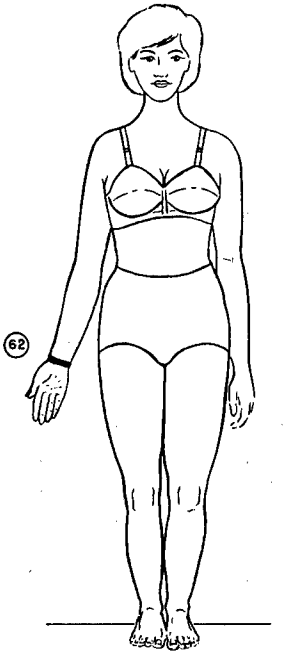
THE PERCENTILES

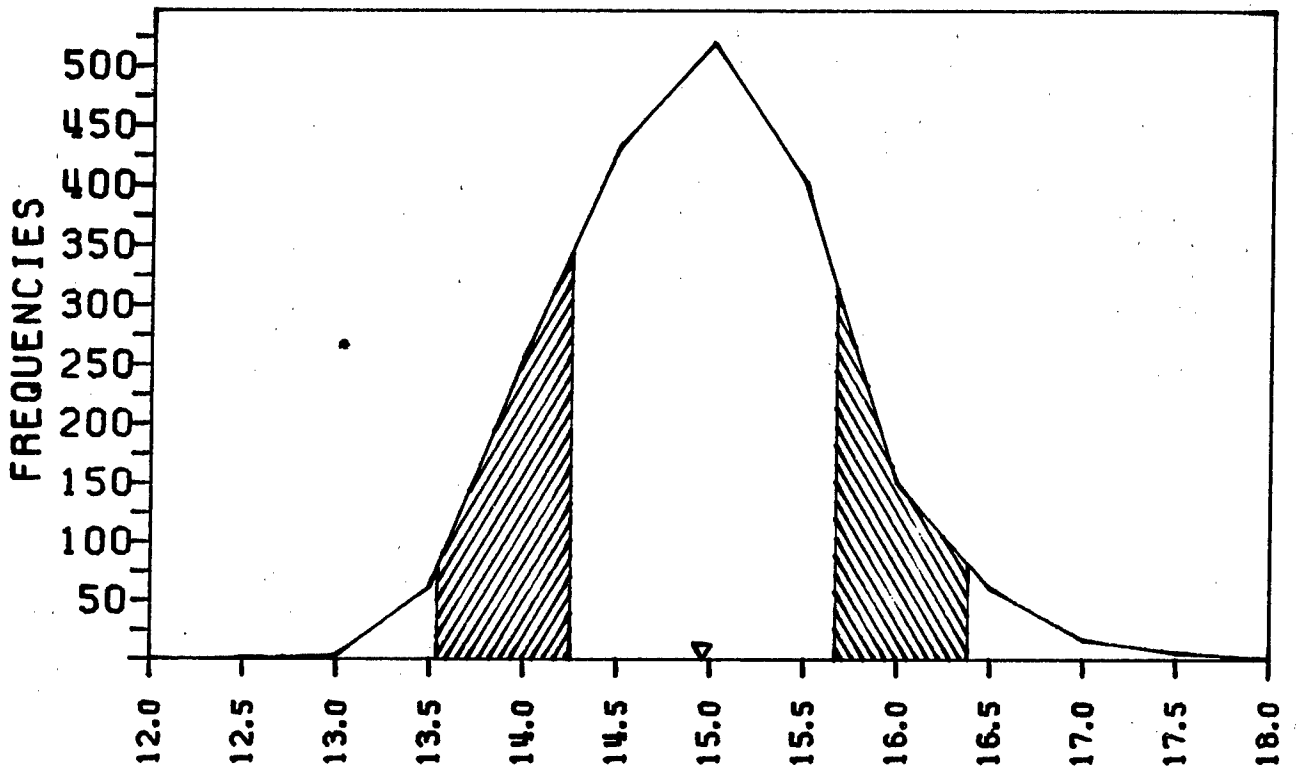
CENTIMETERS		INCHES
28.86	99TH	11.36
28.30	98TH	11.14
27.96	97TH	11.01
27.53	95TH	10.84
26.90	90TH	10.59
26.49	85TH	10.43
26.18	80TH	10.31
25.92	75TH	10.20
25.69	70TH	10.11
25.47	65TH	10.03
25.27	60TH	9.95
25.08	55TH	9.88
24.90	50TH	9.80
24.71	45TH	9.73
24.52	40TH	9.65
24.33	35TH	9.58
24.12	30TH	9.50
23.91	25TH	9.41
23.66	20TH	9.32
23.39	15TH	9.21
23.04	10TH	9.07
22.55	5TH	8.88
22.25	3RD	8.76
22.04	2ND	8.68
21.73	1ST	8.55

(62) WRIST CIRCUMFERENCE

Subject stands with right arm slightly abducted. With a tape held in a plane perpendicular to the long axis of the forearm and hand, measure the circumference of the wrist at the level of the stylion landmark.







RANGES*	F	CUMF	FPCT	CUMPCT
17.25- 17.75	5	1905	0.26	100.00
16.75- 17.25	16	1900	0.84	99.74
16.25- 16.75	60	1884	3.15	98.90
15.75- 16.25	149	1824	7.82	95.75
15.25- 15.75	401	1675	21.05	87.93
14.75- 15.25	520	1274	27.30	66.88
14.25- 14.75	432	754	22.68	39.58
13.75- 14.25	256	322	13.44	16.90
13.25- 13.75	62	66	3.25	3.46
12.75- 13.25	3	4	0.16	0.21
12.25- 12.75	1	1	0.05	0.05

*IN CENTIMETERS

CENTIMETERS		INCHES
14.96	MEAN VALUE	5.89
0.02	SE(MEAN)	0.01
0.71	SD DEVIATION	0.28
0.01	SE(SD DEV)	0.00

****

SYMMETRY---VETA I = 0.26
KURTOSIS---VETA II = 3.14
COEF. OF VARIATION = 4.8%

****

NUMBER OF SUBJECTS = 1905

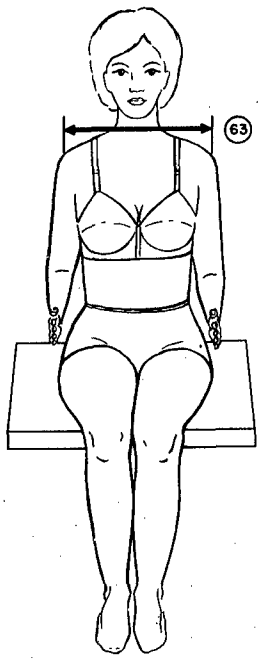
****

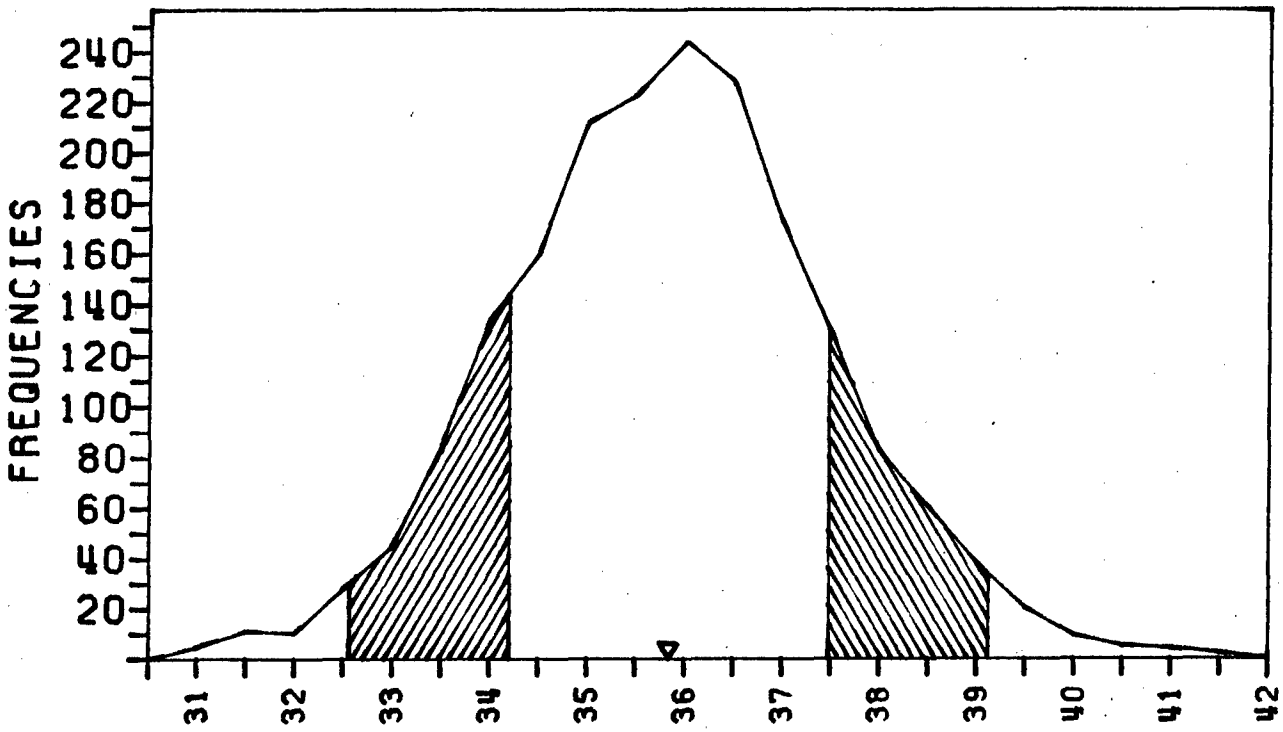
THE PERCENTILES

CENTIMETERS		INCHES
16.83	99TH	6.63
16.58	98TH	6.53
16.42	97TH	6.46
16.21	95TH	6.38
15.91	90TH	6.26
15.71	85TH	6.19
15.56	80TH	6.13
15.43	75TH	6.08
15.32	70TH	6.03
15.21	65TH	5.99
15.12	60TH	5.95
15.02	55TH	5.91
14.93	50TH	5.88
14.84	45TH	5.84
14.74	40TH	5.80
14.65	35TH	5.77
14.55	30TH	5.73
14.44	25TH	5.69
14.33	20TH	5.64
14.19	15TH	5.59
14.02	10TH	5.52
13.79	5TH	5.43
13.64	3RD	5.37
13.54	2ND	5.33
13.38	1ST	5.27

(63) BIACROMIAL BREADTH

Subject sits erect looking straight ahead, upper arms hanging relaxed, forearms and hands extended forward horizontally. With a beam caliper, measure the distance between the acromial landmarks.





RANGES*	F	CUMF	FPCT	CUMPCT
41.25- 41.75	2	1905	0.10	100.00
40.75- 41.25	4	1903	0.21	99.90
40.25- 40.75	5	1899	0.26	99.69
39.75- 40.25	9	1894	0.47	99.42
39.25- 39.75	20	1885	1.05	98.95
38.75- 39.25	38	1865	1.99	97.90
38.25- 38.75	60	1827	3.15	95.91
37.75- 38.25	82	1767	4.30	92.76
37.25- 37.75	129	1685	6.77	88.45
36.75- 37.25	172	1556	9.03	81.68
36.25- 36.75	228	1384	11.97	72.65
35.75- 36.25	244	1156	12.81	60.68
35.25- 35.75	223	912	11.71	47.87
34.75- 35.25	212	689	11.13	36.17
34.25- 34.75	160	477	8.40	25.04
33.75- 34.25	134	317	7.03	16.64
33.25- 33.75	84	183	4.41	9.61
32.75- 33.25	45	99	2.36	5.20
32.25- 32.75	28	54	1.47	2.83
31.75- 32.25	10	26	0.52	1.36
31.25- 31.75	11	16	0.58	0.84
30.75- 31.25	5	5	0.26	0.26

*IN CENTIMETERS

CENTIMETERS		INCHES
35.84	MEAN VALUE	14.11
0.04	SE(MEAN)	0.01
1.64	SD DEVIATION	0.65
0.03	SE(SD DEV)	0.01

****

SYMMETRY---VETA I = 0.09
KURTOSIS---VETA II = 3.19
COEF. OF VARIATION = 4.6%

****

NUMBER OF SUBJECTS = 1905

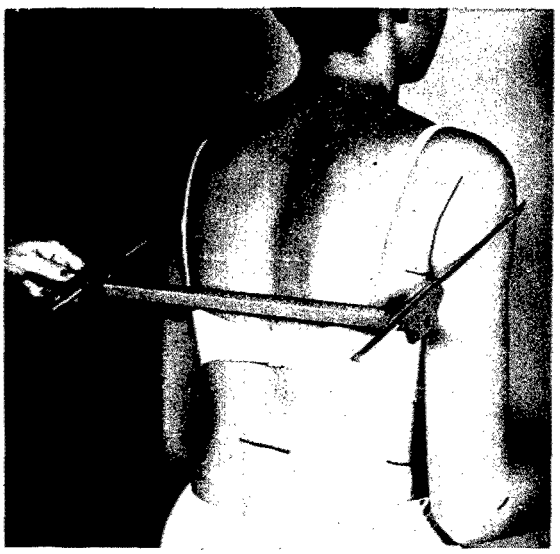
****

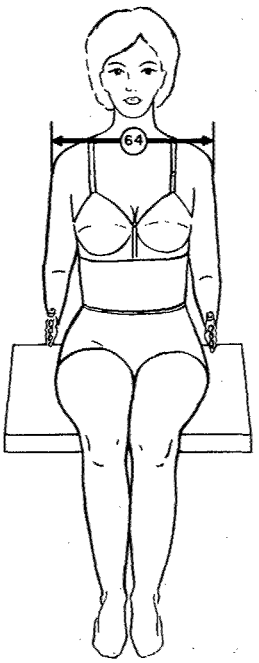
THE PERCENTILES

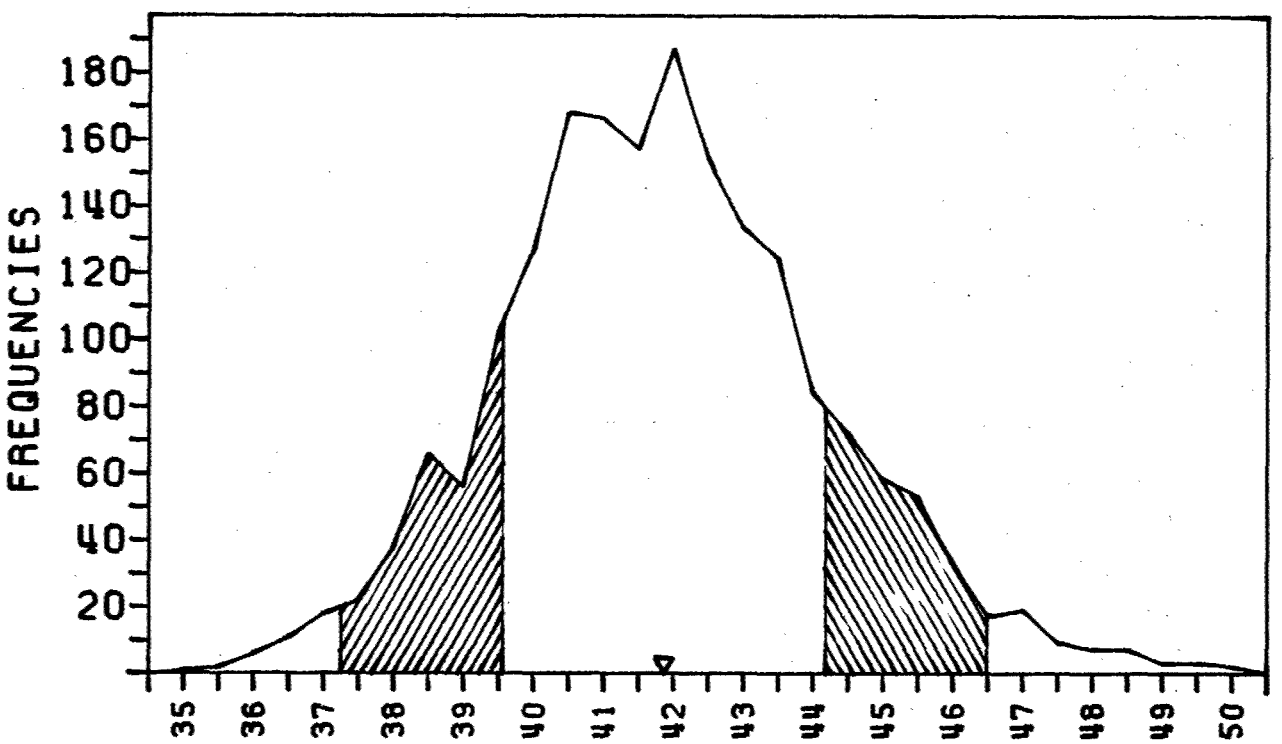
CENTIMETERS		INCHES
39.80	99TH	15.67
39.31	98TH	15.48
39.00	97TH	15.36
38.58	95TH	15.19
37.94	90TH	14.94
37.51	85TH	14.77
37.18	80TH	14.64
36.90	75TH	14.53
36.65	70TH	14.43
36.42	65TH	14.34
36.21	60TH	14.26
36.00	55TH	14.17
35.80	50TH	14.10
35.60	45TH	14.02
35.40	40TH	13.94
35.20	35TH	13.86
34.98	30TH	13.77
34.75	25TH	13.68
34.48	20TH	13.58
34.18	15TH	13.46
33.78	10TH	13.30
33.18	5TH	13.06
32.77	3RD	12.90
32.45	2ND	12.78
31.92	1ST	12.57

(64) BIDELTOID BREADTH

Subject sits erect looking straight ahead, upper arms hanging relaxed, forearms and hands extended forward horizontally. With a beam caliper, measure the horizontal distance across the body at the level of the deltoid landmark.







RANGES*	F	CUMF	FPCT	CUMPCT
49.75- 50.25	2	1905	0.10	100.00
49.25- 49.75	3	1903	0.16	99.90
48.75- 49.25	3	1900	0.16	99.74
48.25- 48.75	7	1897	0.37	99.58
47.75- 48.25	7	1890	0.37	99.21
47.25- 47.75	9	1883	0.47	98.85
46.75- 47.25	19	1874	1.00	98.37
46.25- 46.75	17	1855	0.89	97.38
45.75- 46.25	33	1838	1.73	96.48
45.25- 45.75	53	1805	2.78	94.75
44.75- 45.25	58	1752	3.04	91.97
44.25- 44.75	72	1694	3.78	88.92
43.75- 44.25	84	1622	4.41	85.14
43.25- 43.75	124	1538	6.51	80.73
42.75- 43.25	133	1414	6.98	74.23
42.25- 42.75	154	1281	8.08	67.24
41.75- 42.25	187	1127	9.82	59.16
41.25- 41.75	157	940	8.24	49.34
40.75- 41.25	166	783	8.71	41.10
40.25- 40.75	168	617	8.82	32.39
39.75- 40.25	127	449	6.67	23.57
39.25- 39.75	102	322	5.35	16.90
38.75- 39.25	56	220	2.94	11.55
38.25- 38.75	66	164	3.46	8.61
37.75- 38.25	38	98	1.99	5.14
37.25- 37.75	22	60	1.15	3.15
36.75- 37.25	18	38	0.94	1.99
36.25- 36.75	11	20	0.58	1.05
35.75- 36.25	6	9	0.31	0.47
35.25- 35.75	2	3	0.10	0.16
34.75- 35.25	1	1	0.05	0.05

*IN CENTIMETERS

CENTIMETERS		INCHES
41.87	MEAN VALUE	16.49
0.05	SE(MEAN)	0.02
2.31	SD DEVIATION	0.91
0.04	SE(SD DEV)	0.01

****

SYMMETRY---VETA I = 0.26
KURTOSIS---VETA II = 3.23
COEF. OF VARIATION = 5.5%

****

NUMBER OF SUBJECTS = 1905

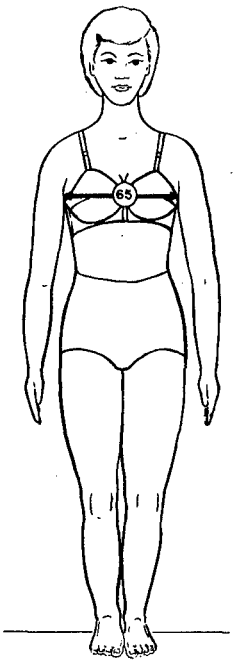
****

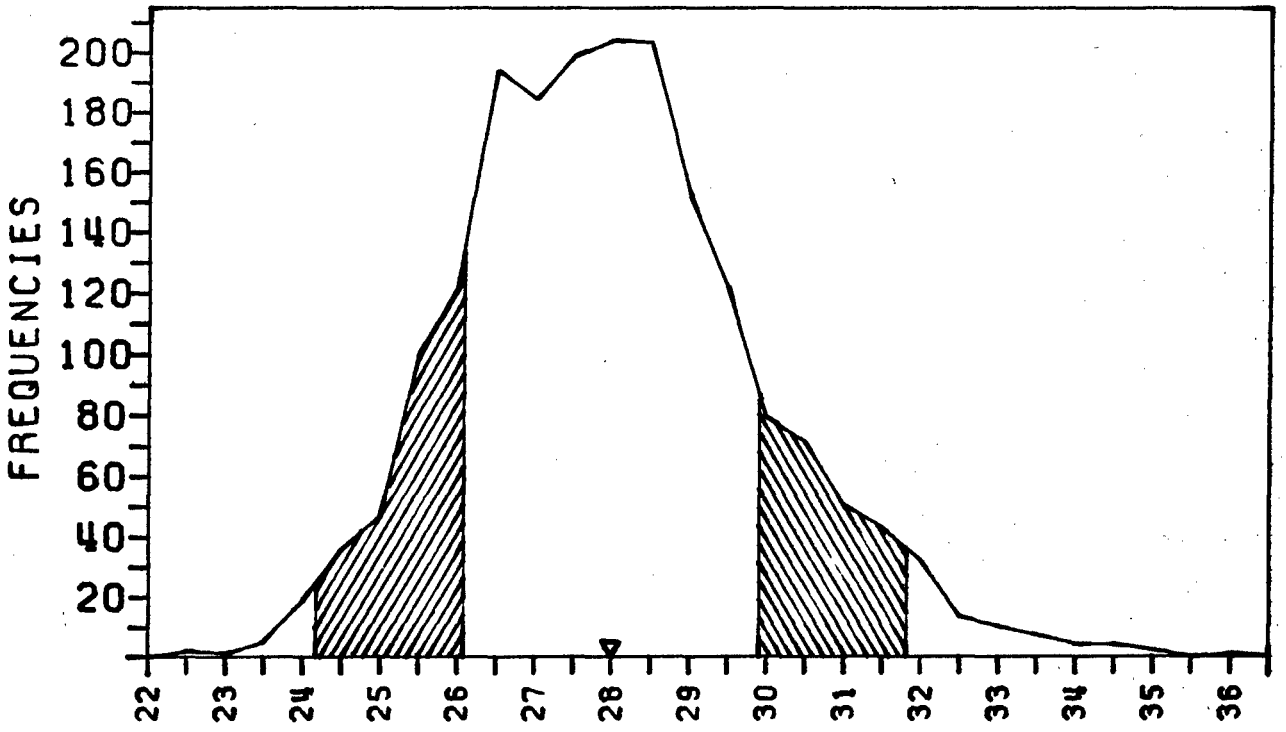
THE PERCENTILES

CENTIMETERS		INCHES
47.95	99TH	18.88
47.08	98TH	18.53
46.55	97TH	18.32
45.85	95TH	18.05
44.85	90TH	17.66
44.21	85TH	17.41
43.72	80TH	17.21
43.31	75TH	17.05
42.96	70TH	16.91
42.63	65TH	16.78
42.33	60TH	16.67
42.04	55TH	16.55
41.76	50TH	16.44
41.48	45TH	16.33
41.21	40TH	16.22
40.92	35TH	16.11
40.62	30TH	15.99
40.30	25TH	15.87
39.94	20TH	15.73
39.53	15TH	15.56
39.01	10TH	15.36
38.22	5TH	15.05
37.69	3RD	14.84
37.30	2ND	14.69
36.67	1ST	14.44

(65) CHEST BREADTH

Subject stands erect looking straight ahead with arms slightly abducted. With a beam caliper, measure the horizontal distance across the trunk at the level of the bustpoint landmarks.





RANGES*	F	CUMF	FPCT	CUMPCT
35.75- 36.25	1	1905	0.05	100.00
35.25- 35.75	0	1904	0.00	99.95
34.75- 35.25	2	1904	0.10	99.95
34.25- 34.75	4	1902	0.21	99.84
33.75- 34.25	4	1898	0.21	99.63
33.25- 33.75	7	1894	0.37	99.42
32.75- 33.25	10	1887	0.52	99.06
32.25- 32.75	13	1877	0.68	98.53
31.75- 32.25	32	1864	1.68	97.85
31.25- 31.75	43	1832	2.26	96.17
30.75- 31.25	50	1789	2.62	93.91
30.25- 30.75	71	1739	3.73	91.29
29.75- 30.25	79	1668	4.15	87.56
29.25- 29.75	121	1589	6.35	83.41
28.75- 29.25	152	1468	7.98	77.06
28.25- 28.75	203	1316	10.66	69.08
27.75- 28.25	204	1113	10.71	58.43
27.25- 27.75	199	909	10.45	47.72
26.75- 27.25	184	710	9.66	37.27
26.25- 26.75	194	526	10.18	27.61
25.75- 26.25	122	332	6.40	17.43
25.25- 25.75	100	210	5.25	11.02
24.75- 25.25	47	110	2.47	5.77
24.25- 24.75	36	63	1.89	3.31
23.75- 24.25	19	27	1.00	1.42
23.25- 23.75	5	8	0.26	0.42
22.75- 23.25	1	3	0.05	0.16
22.25- 22.75	2	2	0.10	0.10

*IN CENTIMETERS

CENTIMETERS		INCHES
27.99	MEAN VALUE	11.02
0.04	SE(MEAN)	0.02
1.91	SD DEVIATION	0.75
0.03	SE(SD DEV)	0.01

****

SYMMETRY---VETA I = 0.47
KURTOSIS---VETA II = 3.39
COEF. OF VARIATION = 6.8%

****

NUMBER OF SUBJECTS = 1905

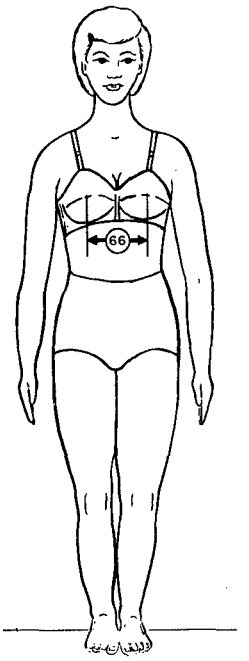
****

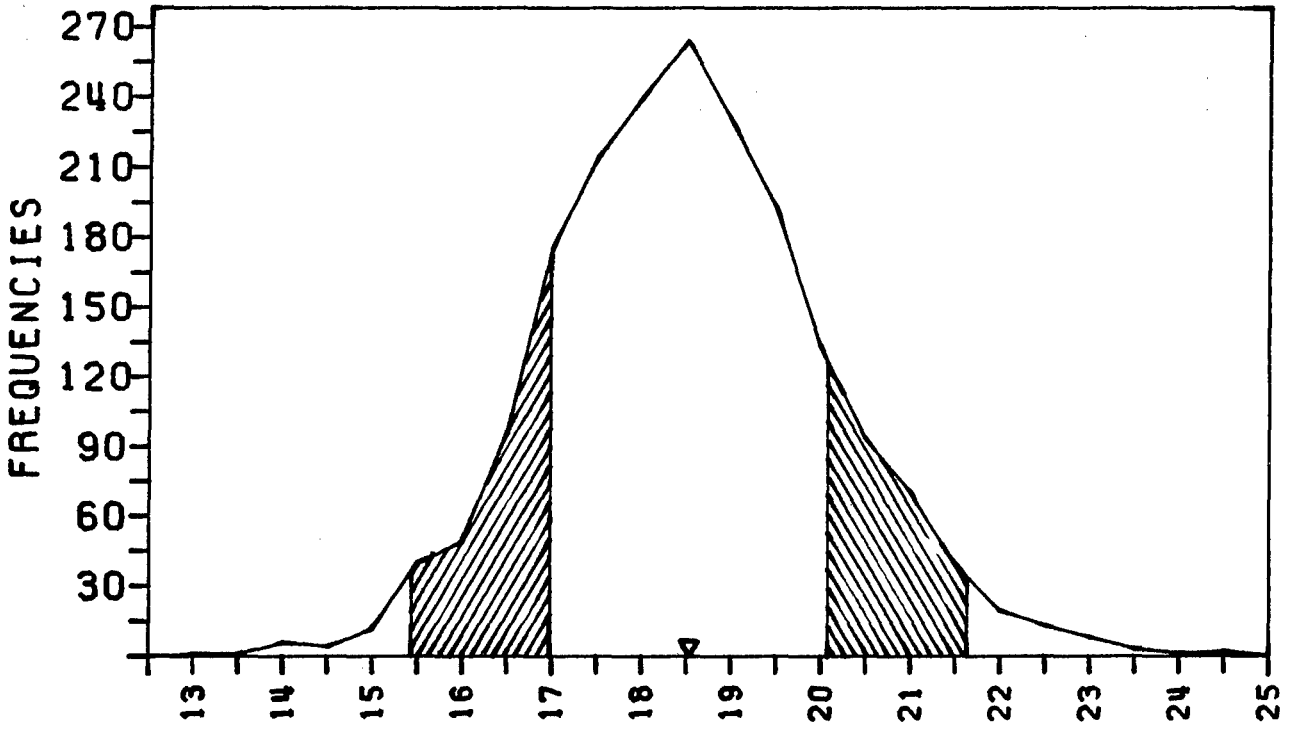
THE PERCENTILES

CENTIMETERS		INCHES
33.18	99TH	13.06
32.45	98TH	12.77
32.00	97TH	12.60
31.40	95TH	12.36
30.52	90TH	12.02
29.96	85TH	11.79
29.53	80TH	11.62
29.17	75TH	11.48
28.86	70TH	11.36
28.57	65TH	11.25
28.31	60TH	11.15
28.07	55TH	11.05
27.83	50TH	10.96
27.60	45TH	10.86
27.37	40TH	10.77
27.13	35TH	10.68
26.89	30TH	10.59
26.64	25TH	10.49
26.36	20TH	10.38
26.04	15TH	10.25
25.65	10TH	10.10
25.08	5TH	9.87
24.71	3RD	9.73
24.44	2ND	9.62
24.00	1ST	9.45

(66) BUSTPOINT-TO-BUSTPOINT BREADTH

Subject stands erect looking straight ahead. With a beam caliper, measure the horizontal distance between the bustpoint landmarks.





RANGES*	F	CUMF	FPCT	CUMPCT
24.25- 24.75	2	1905	0.10	100.00
23.75- 24.25	1	1903	0.05	99.90
23.25- 23.75	3	1902	0.16	99.84
22.75- 23.25	8	1899	0.42	99.69
22.25- 22.75	13	1891	0.68	99.27
21.75- 22.25	19	1878	1.00	98.58
21.25- 21.75	39	1859	2.05	97.59
20.75- 21.25	70	1820	3.67	95.54
20.25- 20.75	93	1750	4.88	91.86
19.75- 20.25	133	1657	6.98	86.98
19.25- 19.75	192	1524	10.08	80.00
18.75- 19.25	229	1332	12.02	69.92
18.25- 18.75	264	1103	13.86	57.90
17.75- 18.25	240	839	12.60	44.04
17.25- 17.75	214	599	11.23	31.44
16.75- 17.25	176	385	9.24	20.21
16.25- 16.75	96	209	5.04	10.97
15.75- 16.25	49	113	2.57	5.93
15.25- 15.75	40	64	2.10	3.36
14.75- 15.25	12	24	0.63	1.26
14.25- 14.75	4	12	0.21	0.63
13.75- 14.25	6	8	0.31	0.42
13.25- 13.75	1	2	0.05	0.10
12.75- 13.25	1	1	0.05	0.05

*IN CENTIMETERS

CENTIMETERS		INCHES
18.53	MEAN VALUE	7.30
0.04	SE(MEAN)	0.01
1.55	SD DEVIATION	0.61
0.03	SE(SD DEV)	0.01

****

SYMMETRY---VETA I = 0.21
KURTOSIS---VETA II = 3.41
COEF. OF VARIATION = 8.3%

****

NUMBER OF SUBJECTS = 1905

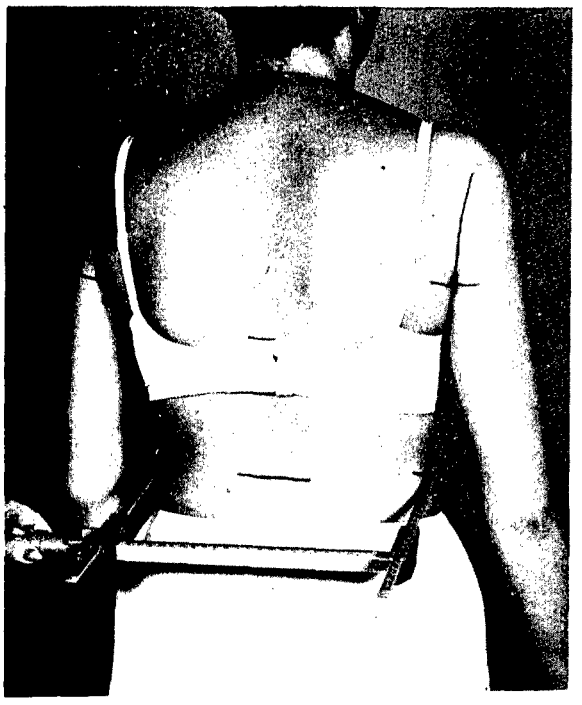
****

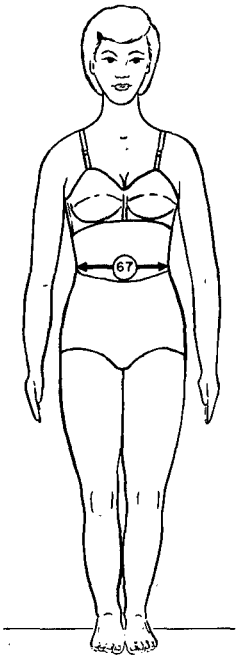
THE PERCENTILES

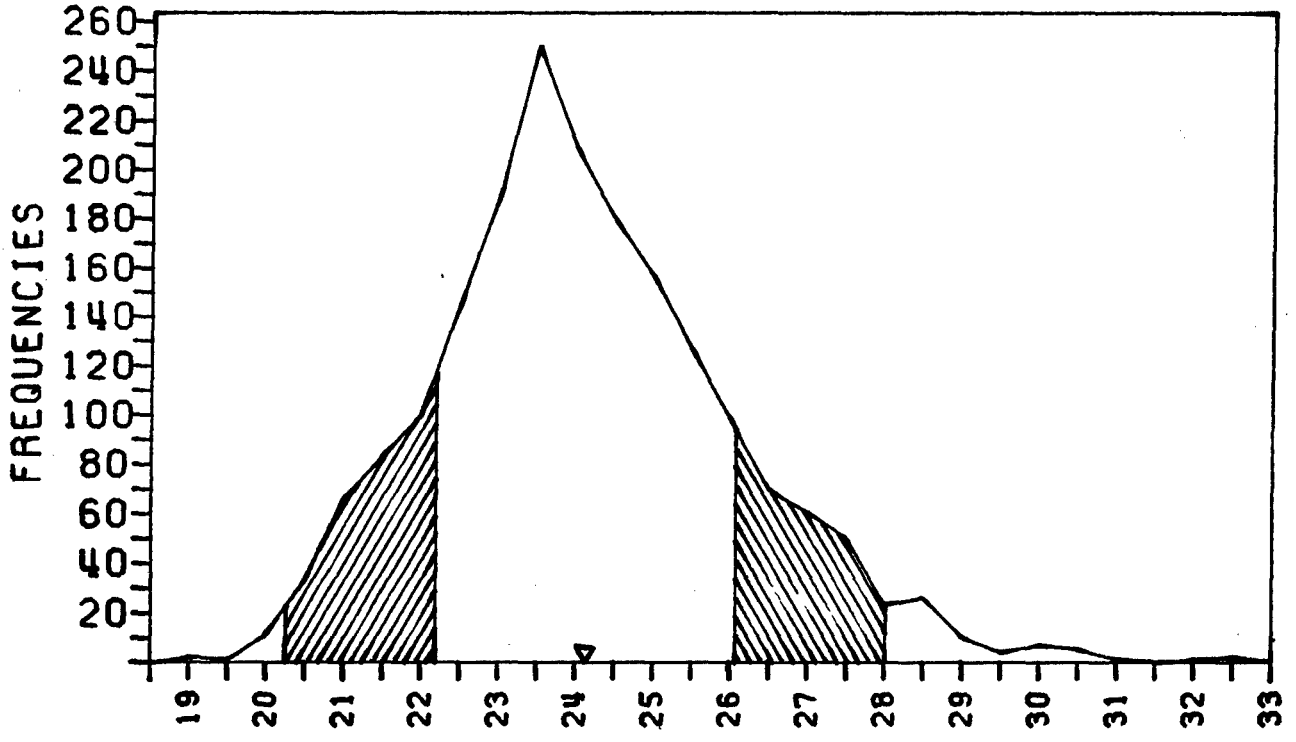
CENTIMETERS		INCHES
22.54	99TH	8.87
21.97	98TH	8.65
21.63	97TH	8.51
21.18	95TH	8.34
20.52	90TH	8.08
20.09	85TH	7.91
19.77	80TH	7.78
19.50	75TH	7.68
19.26	70TH	7.58
19.05	65TH	7.50
18.84	60TH	7.42
18.65	55TH	7.34
18.46	50TH	7.27
18.28	45TH	7.20
18.09	40TH	7.12
17.90	35TH	7.05
17.70	30TH	6.97
17.48	25TH	6.88
17.24	20TH	6.79
16.96	15TH	6.68
16.60	10TH	6.54
16.07	5TH	6.32
15.71	3RD	6.19
15.45	2ND	6.08
15.02	1ST	5.91

(67) WAIST BREADTH

Subject stands erect looking straight ahead with arms slightly abducted. With a beam caliper, measure the horizontal breadth across the trunk at the level of the waist landmarks.







RANGES*	F	CUMF	FPCT	CUMPCT
32.25- 32.75	2	1905	0.10	100.00
31.75- 32.25	1	1903	0.05	99.90
31.25- 31.75	0	1902	0.00	99.84
30.75- 31.25	1	1902	0.05	99.84
30.25- 30.75	5	1901	0.26	99.79
29.75- 30.25	7	1896	0.37	99.53
29.25- 29.75	4	1889	0.21	99.16
28.75- 29.25	10	1885	0.52	98.95
28.25- 28.75	26	1875	1.36	98.43
27.75- 28.25	23	1849	1.21	97.06
27.25- 27.75	50	1826	2.62	95.85
26.75- 27.25	60	1776	3.15	93.23
26.25- 26.75	69	1716	3.62	90.08
25.75- 26.25	98	1647	5.14	86.46
25.25- 25.75	126	1549	6.61	81.31
24.75- 25.25	156	1423	8.19	74.70
24.25- 24.75	179	1267	9.40	66.51
23.75- 24.25	208	1088	10.92	57.11
23.25- 23.75	250	880	13.12	46.19
22.75- 23.25	189	630	9.92	33.07
22.25- 22.75	145	441	7.61	23.15
21.75- 22.25	100	296	5.25	15.54
21.25- 21.75	83	196	4.36	10.29
20.75- 21.25	66	113	3.46	5.93
20.25- 20.75	33	47	1.73	2.47
19.75- 20.25	11	14	0.58	0.73
19.25- 19.75	1	3	0.05	0.16
18.75- 19.25	2	2	0.10	0.10

*IN CENTIMETERS

CENTIMETERS		INCHES
24.13	MEAN VALUE	9.50
0.04	SE(MEAN)	0.02
1.94	SD DEVIATION	0.76
0.03	SE(SD DEV)	0.01

****

SYMMETRY---VETA I = 0.53
KURTOSIS---VETA II = 3.54
COEF. OF VARIATION = 8.0%

****

NUMBER OF SUBJECTS = 1905

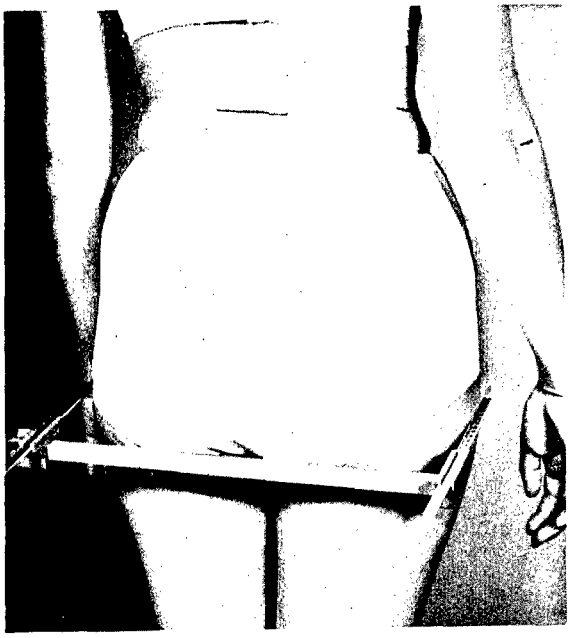
****

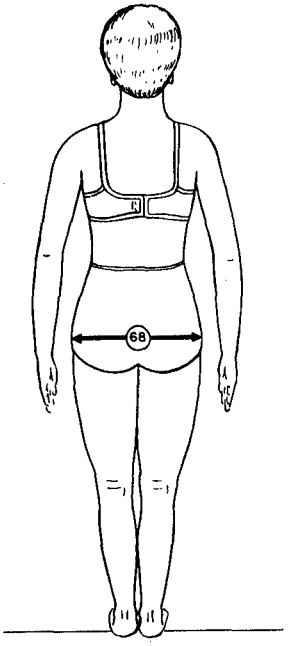
THE PERCENTILES

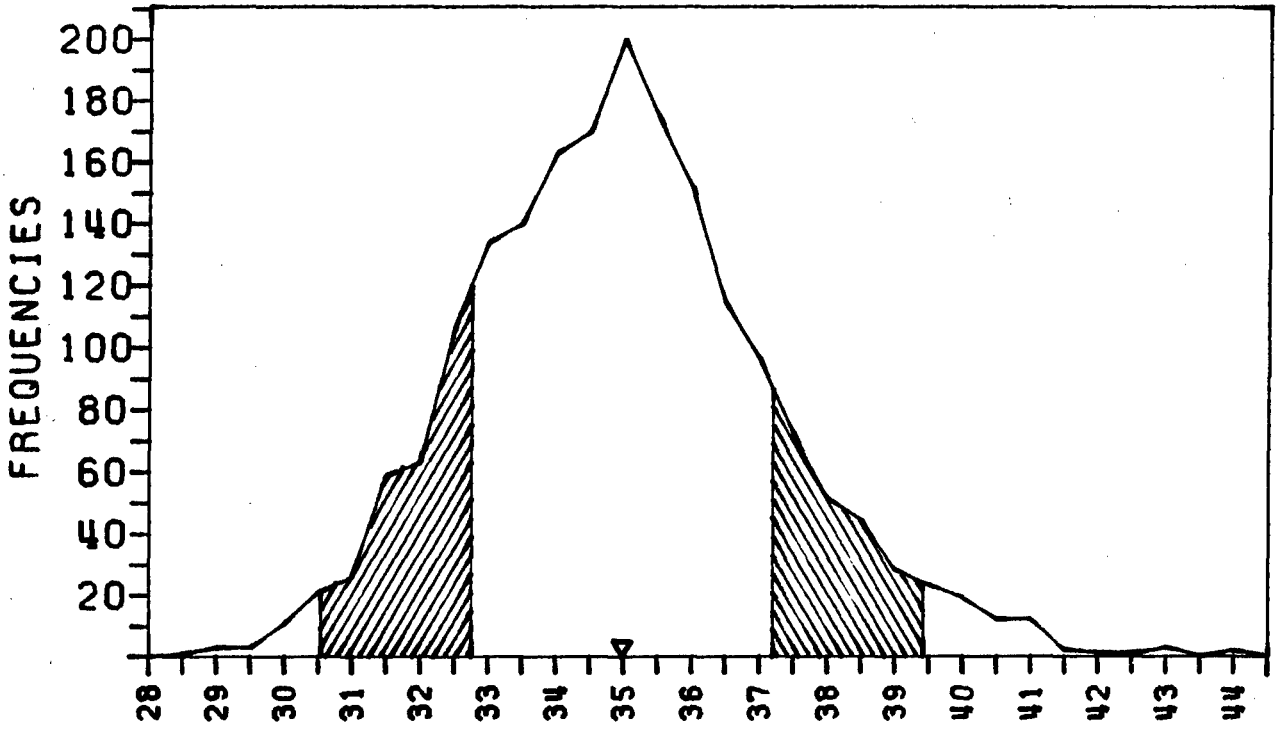
CENTIMETERS		INCHES
29.40	99TH	11.57
28.63	98TH	11.27
28.16	97TH	11.09
27.55	95TH	10.85
26.67	90TH	10.50
26.10	85TH	10.28
25.67	80TH	10.11
25.31	75TH	9.96
25.00	70TH	9.84
24.72	65TH	9.73
24.45	60TH	9.63
24.21	55TH	9.53
23.97	50TH	9.44
23.73	45TH	9.34
23.50	40TH	9.25
23.26	35TH	9.16
23.02	30TH	9.06
22.76	25TH	8.96
22.48	20TH	8.85
22.16	15TH	8.72
21.77	10TH	8.57
21.22	5TH	8.35
20.87	3RD	8.22
20.63	2ND	8.12
20.26	1ST	7.98

(68) HIP BREADTH

Subject stands erect, heels together and weight distributed equally on both feet. With a beam caliper, measure the maximum horizontal breadth of the hips.







RANGES*	F	CUMF	FPCT	CUMPCT
43.75- 44.25	2	1905	0.10	100.00
43.25- 43.75	0	1903	0.00	99.90
42.75- 43.25	3	1903	0.16	99.90
42.25- 42.75	1	1900	0.05	99.74
41.75- 42.25	1	1899	0.05	99.69
41.25- 41.75	2	1898	0.10	99.63
40.75- 41.25	12	1896	0.63	99.53
40.25- 40.75	12	1884	0.63	98.90
39.75- 40.25	19	1872	1.00	98.27
39.25- 39.75	23	1853	1.21	97.27
38.75- 39.25	28	1830	1.47	96.06
38.25- 38.75	44	1802	2.31	94.59
37.75- 38.25	51	1758	2.68	92.28
37.25- 37.75	72	1707	3.78	89.61
36.75- 37.25	96	1635	5.04	85.83
36.25- 36.75	114	1539	5.98	80.79
35.75- 36.25	151	1425	7.93	74.80
35.25- 35.75	174	1274	9.13	66.88
34.75- 35.25	200	1100	10.50	57.74
34.25- 34.75	170	900	8.92	47.24
33.75- 34.25	163	730	8.56	38.32
33.25- 33.75	140	567	7.35	29.76
32.75- 33.25	134	427	7.03	22.41
32.25- 32.75	106	293	5.56	15.38
31.75- 32.25	63	187	3.31	9.82
31.25- 31.75	59	124	3.10	6.51
30.75- 31.25	26	65	1.36	3.41
30.25- 30.75	21	39	1.10	2.05
29.75- 30.25	11	18	0.58	0.94
29.25- 29.75	3	7	0.16	0.37
28.75- 29.25	3	4	0.16	0.21
28.25- 28.75	1	1	0.05	0.05

*IN CENTIMETERS

CENTIMETERS		INCHES
34.97	MEAN VALUE	13.77
0.05	SE(MEAN)	0.02
2.22	SD DEVIATION	0.87
0.04	SE(SD DEV)	0.01

****

SYMMETRY---VETA I = 0.39
KURTOSIS---VETA II = 3.43
COEF. OF VARIATION = 6.3%

****

NUMBER OF SUBJECTS = 1905

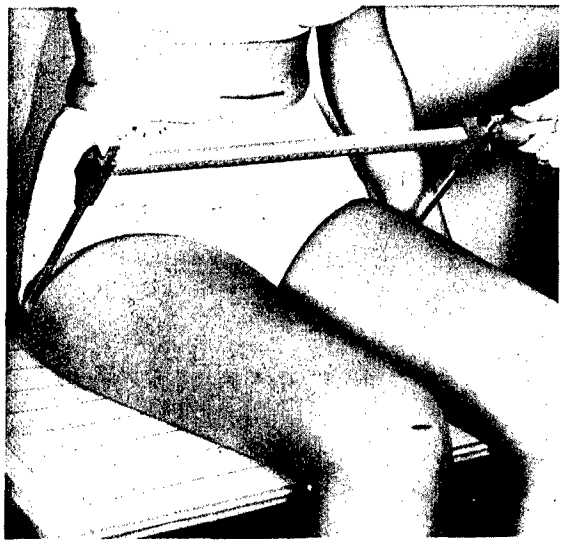
****

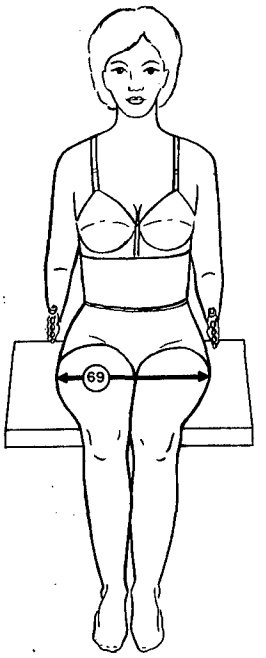
THE PERCENTILES

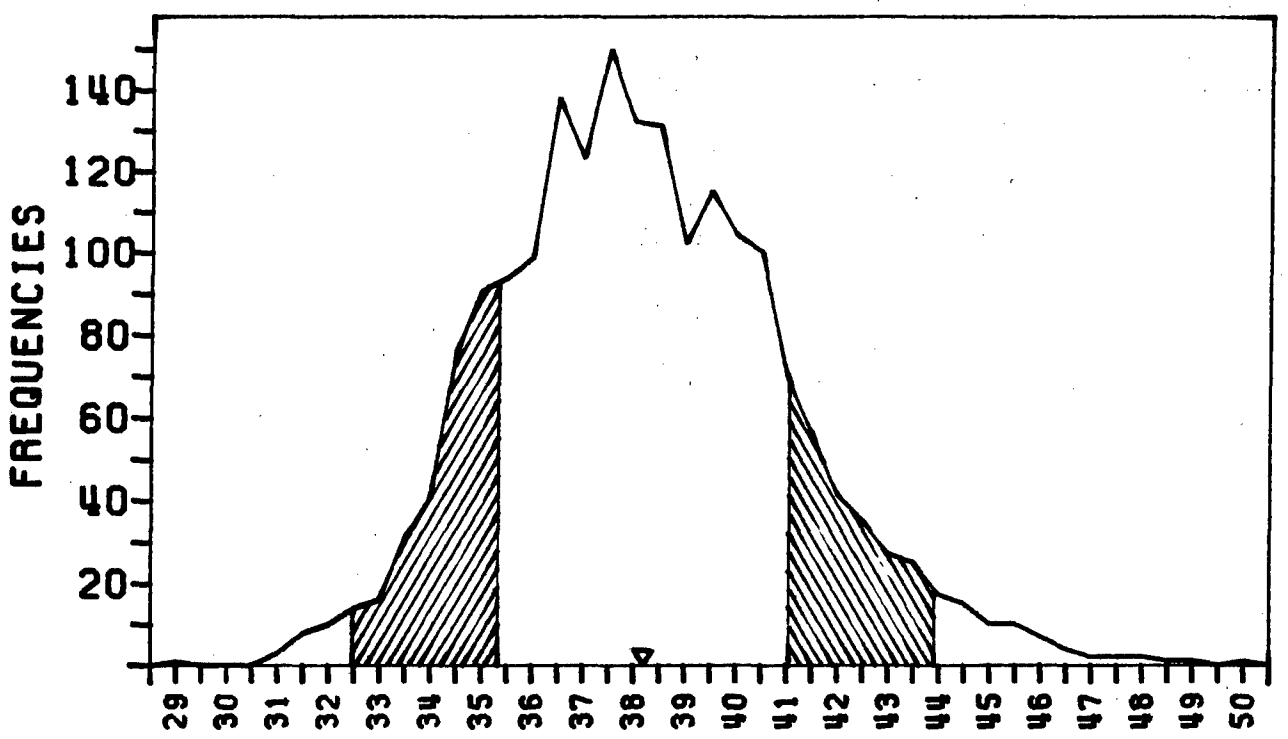
CENTIMETERS		INCHES
40.93	99TH	16.1
40.06	98TH	15.77
39.53	97TH	15.56
38.84	95TH	15.29
37.85	90TH	14.90
37.22	85TH	14.65
36.74	80TH	14.46
36.34	75TH	14.31
35.99	70TH	14.17
35.67	65TH	14.04
35.38	60TH	13.93
35.10	55TH	13.82
34.83	50TH	13.71
34.56	45TH	13.61
34.30	40TH	13.50
34.03	35TH	13.40
33.74	30TH	13.28
33.44	25TH	13.17
33.11	20TH	13.04
32.73	15TH	12.89
32.25	10TH	12.70
31.55	5TH	12.42
31.10	3RD	12.24
30.76	2ND	12.11
30.23	1ST	11.90

(69) THIGH-TO-THIGH BREADTH, SITTING

Subject sits erect, thighs parallel and completely supported by the sitting surface. With a beam caliper, measure the maximum horizontal distance across the thighs.







RANGES*	F	CUMF	FPCT	CUMPCT
49.75- 50.25	1	1905	0.05	100.00
49.25- 49.75	0	1904	0.00	99.95
48.75- 49.25	1	1904	0.05	99.95
48.25- 48.75	1	1903	0.05	99.90
47.75- 48.25	2	1902	0.10	99.84
47.25- 47.75	2	1900	0.10	99.74
46.75- 47.25	2	1898	0.10	99.63
46.25- 46.75	4	1896	0.21	99.53
45.75- 46.25	7	1892	0.37	99.32
45.25- 45.75	10	1885	0.52	98.95
44.75- 45.25	10	1875	0.52	98.43
44.25- 44.75	15	1865	0.79	97.90
43.75- 44.25	17	1850	0.89	97.11
43.25- 43.75	25	1833	1.31	96.22
42.75- 43.25	27	1808	1.42	94.91
42.25- 42.75	35	1781	1.84	93.49
41.75- 42.25	41	1746	2.15	91.65
41.25- 41.75	56	1705	2.94	89.50
40.75- 41.25	70	1649	3.67	86.56
40.25- 40.75	100	1579	5.25	82.89
39.75- 40.25	104	1479	5.46	77.64
39.25- 39.75	115	1375	6.04	72.18
38.75- 39.25	102	1260	5.35	66.14
38.25- 38.75	131	1158	6.88	60.79
37.75- 38.25	132	1027	6.93	53.91
37.25- 37.75	150	895	7.87	46.98
36.75- 37.25	123	745	6.46	39.11
36.25- 36.75	138	622	7.24	32.65
35.75- 36.25	99	484	5.20	25.41
35.25- 35.75	94	385	4.93	20.21
34.75- 35.25	91	291	4.78	15.28
34.25- 34.75	76	200	3.99	10.50
33.75- 34.25	41	124	2.15	6.51
33.25- 33.75	31	83	1.63	4.36
32.75- 33.25	16	52	0.84	2.73
32.25- 32.75	14	36	0.73	1.89
31.75- 32.25	10	22	0.52	1.15
31.25- 31.75	8	12	0.42	0.63
30.75- 31.25	3	4	0.16	0.21
30.25- 30.75	0	1	0.00	0.05
29.75- 30.25	0	1	0.00	0.05
29.25- 29.75	0	1	0.00	0.05
28.75- 29.25	1	1	0.05	0.05

*IN CENTIMETERS

CENTIMETERS		INCHES
38.19	MEAN VALUE	15.04
0.07	SE(MEAN)	0.03
2.86	SD DEVIATION	1.13
0.05	SE(SD DEV)	0.02

***

SYMMETRY---VETA I = 0.42
KURTOSIS---VETA II = 3.36
COEF. OF VARIATION = 7.5%

****

NUMBER OF SUBJECTS = 1905

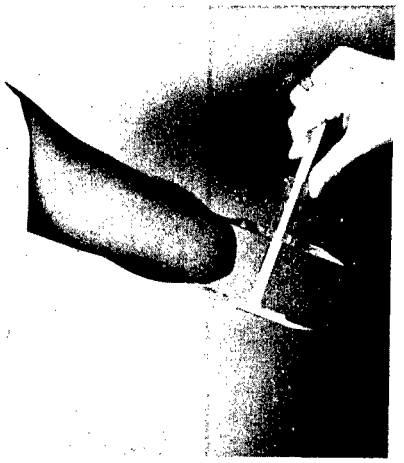
****

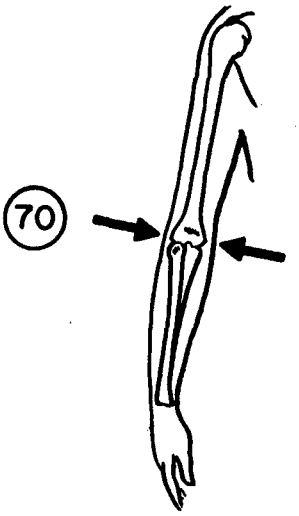
THE PERCENTILES

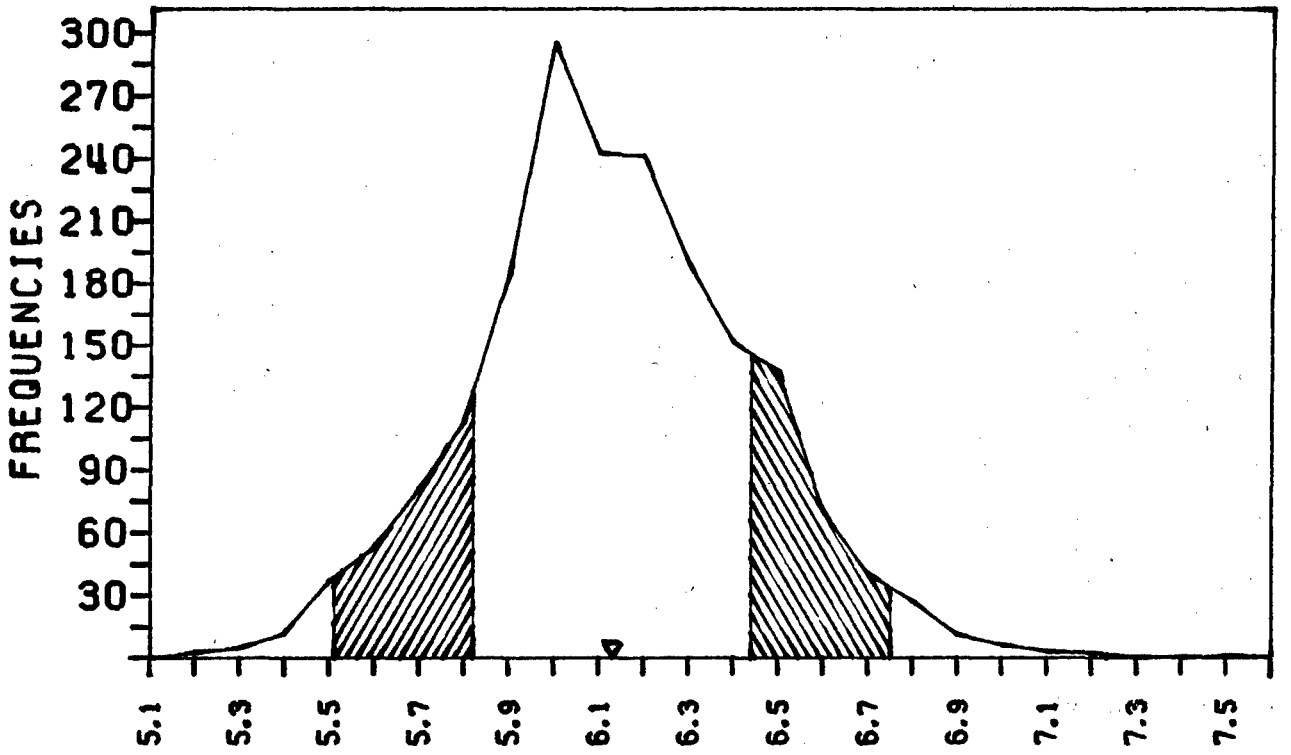
CENTIMETERS		INCHES
45.86	99TH	18.05
44.80	98TH	17.64
44.14	97TH	17.38
43.26	95TH	17.03
41.97	90TH	16.52
41.13	85TH	16.19
40.50	80TH	15.94
39.96	75TH	15.73
39.50	70TH	15.55
39.08	65TH	15.39
38.69	60TH	15.23
38.33	55TH	15.09
37.97	50TH	14.95
37.63	45TH	14.81
37.28	40TH	14.68
36.94	35TH	14.54
36.58	30TH	14.40
36.20	25TH	14.25
35.78	20TH	14.09
35.30	15TH	13.90
34.71	10TH	13.67
33.84	5TH	13.32
33.26	3RD	13.10
32.83	2ND	12.93
32.13	1ST	12.65

(70) HUMERAL BREADTH, RIGHT

Subject sits, right upper arm abducted, and elbow flexed. With a sliding caliper and using firm pressure, measure the maximum distance between the epicondyles of the humerus.







RANGES*		F	CUMF	FPCT	CUMPCT
7.45-	7.55	1	1905	0.05	100.00
7.35-	7.45	0	1904	0.00	99.95
7.25-	7.35	0	1904	0.00	99.95
7.15-	7.25	2	1904	0.10	99.95
7.05-	7.15	3	1902	0.16	99.84
6.95-	7.05	6	1899	0.31	99.69
6.85-	6.95	11	1893	0.58	99.37
6.75-	6.85	27	1882	1.42	98.79
6.65-	6.75	40	1855	2.10	97.38
6.55-	6.65	70	1815	3.67	95.28
6.45-	6.55	137	1745	7.19	91.60
6.35-	6.45	151	1608	7.93	84.41
6.25-	6.35	189	1457	9.92	76.48
6.15-	6.25	241	1268	12.65	66.56
6.05-	6.15	242	1027	12.70	53.91
5.95-	6.05	296	785	15.54	41.21
5.85-	5.95	185	489	9.71	25.67
5.75-	5.85	113	304	5.93	15.96
5.65-	5.75	81	191	4.25	10.03
5.55-	5.65	53	110	2.78	5.77
5.45-	5.55	37	57	1.94	2.99
5.35-	5.45	12	20	0.63	1.05
5.25-	5.35	5	8	0.26	0.42
5.15-	5.25	3	3	0.16	0.16

*IN CENTIMETERS

CENTIMETERS		INCHES
6.13	MEAN VALUE	2.41
0.01	SE(MEAN)	0.00
0.31	SD DEVIATION	0.12
0.01	SE(SD DEV)	0.00

****

SYMMETRY---VETA I = 0.15
KURTOSIS---VETA II = 3.28
COEF. OF VARIATION = 5.0%

****

NUMBER OF SUBJECTS = 1905

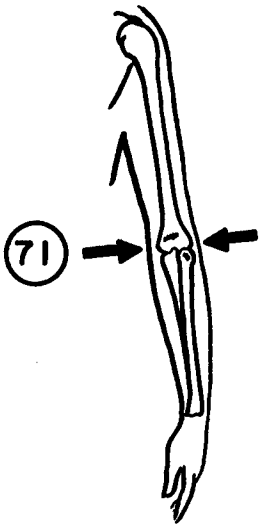
****

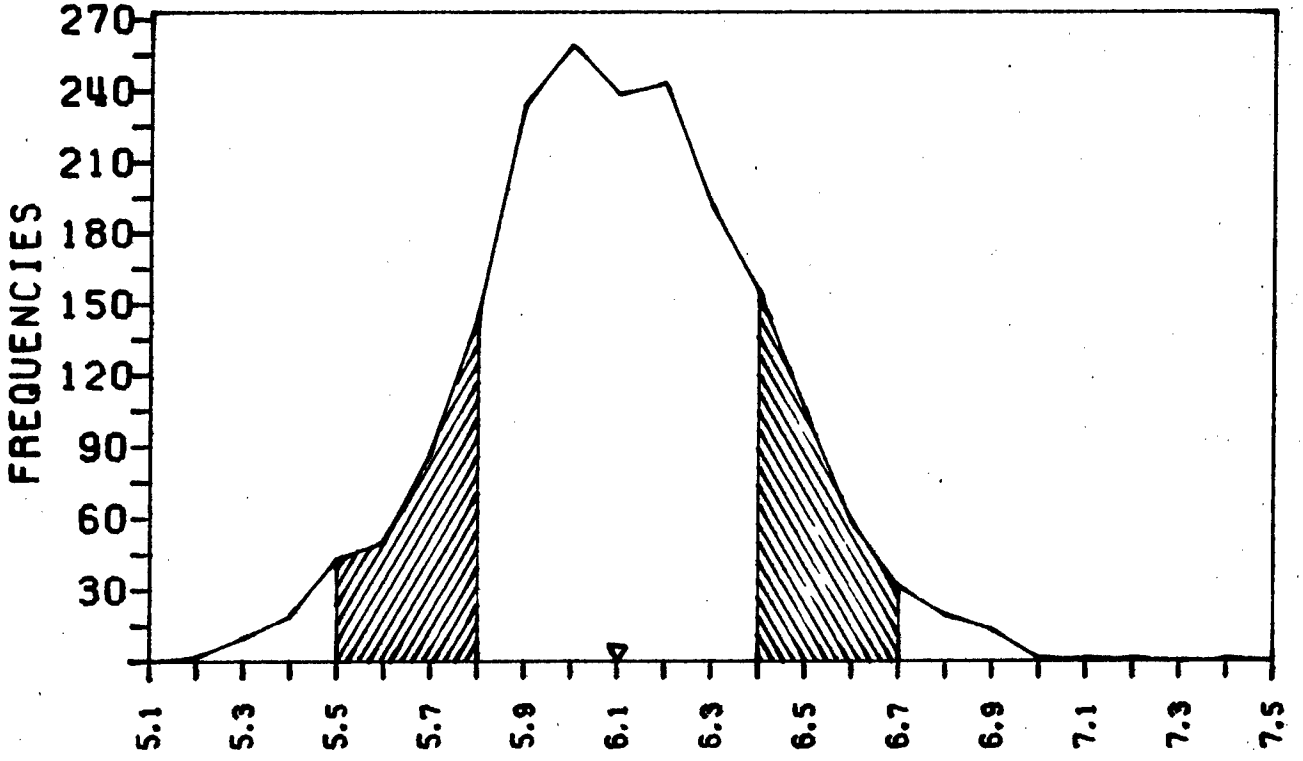
THE PERCENTILES

CENTIMETERS		INCHES
6.89	99TH	2.71
6.79	98TH	2.67
6.73	97TH	2.65
6.65	95TH	2.62
6.53	90TH	2.57
6.45	85TH	2.54
6.39	80TH	2.51
6.33	75TH	2.49
6.29	70TH	2.48
6.24	65TH	2.46
6.20	60TH	2.44
6.17	55TH	2.43
6.13	50TH	2.41
6.09	45TH	2.40
6.05	40TH	2.38
6.01	35TH	2.37
5.97	30TH	2.35
5.93	25TH	2.33
5.88	20TH	2.31
5.82	15TH	2.29
5.75	10TH	2.26
5.64	5TH	2.22
5.56	3RD	2.19
5.51	2ND	2.17
5.43	1ST	2.14

(71) HUMERAL BREADTH, LEFT

Subject sits, left upper arm abducted, and elbow flexed. With a sliding caliper and using firm pressure, measure the maximum distance between the epicondyles of the humerus.





RANGES*		F	CUMF	FPCT	CUMPCT
7.35-	7.45	1	1905	0.05	100.00
7.25-	7.35	0	1904	0.00	99.95
7.15-	7.25	1	1904	0.05	99.95
7.05-	7.15	1	1903	0.05	99.90
6.95-	7.05	1	1902	0.05	99.84
6.85-	6.95	13	1901	0.68	99.79
6.75-	6.85	19	1888	1.00	99.11
6.65-	6.75	31	1869	1.63	98.11
6.55-	6.65	58	1838	3.04	96.48
6.45-	6.55	105	1780	5.51	93.44
6.35-	6.45	155	1675	8.14	87.93
6.25-	6.35	191	1520	10.03	79.79
6.15-	6.25	243	1329	12.76	69.76
6.05-	6.15	238	1086	12.49	57.01
5.95-	6.05	259	848	13.60	44.51
5.85-	5.95	234	589	12.28	30.92
5.75-	5.85	144	355	7.56	18.64
5.65-	5.75	87	211	4.57	11.08
5.55-	5.65	50	124	2.62	6.51
5.45-	5.55	43	74	2.26	3.88
5.35-	5.45	19	31	1.00	1.63
5.25-	5.35	10	12	0.52	0.63
5.15-	5.25	2	2	0.10	0.10

*IN CENTIMETERS

CENTIMETERS		INCHES
6.10	MEAN VALUE	2.40
0.01	SE(MEAN)	0.00
0.30	SD DEVIATION	0.12
0.00	SE(SD DEV)	0.00

****

SYMMETRY---VETA I = 0.08
KURTOSIS---VETA II = 3.20
COEF. OF VARIATION = 4.9%

****

NUMBER OF SUBJECTS = 1905

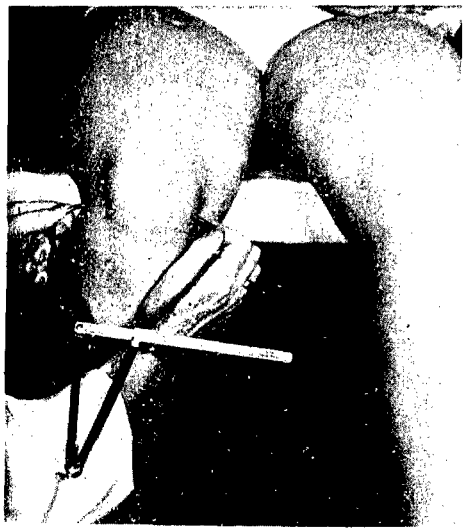
****

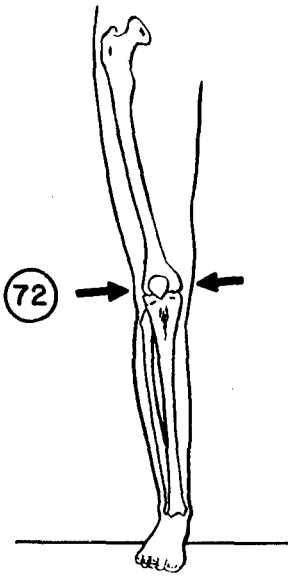
THE PERCENTILES

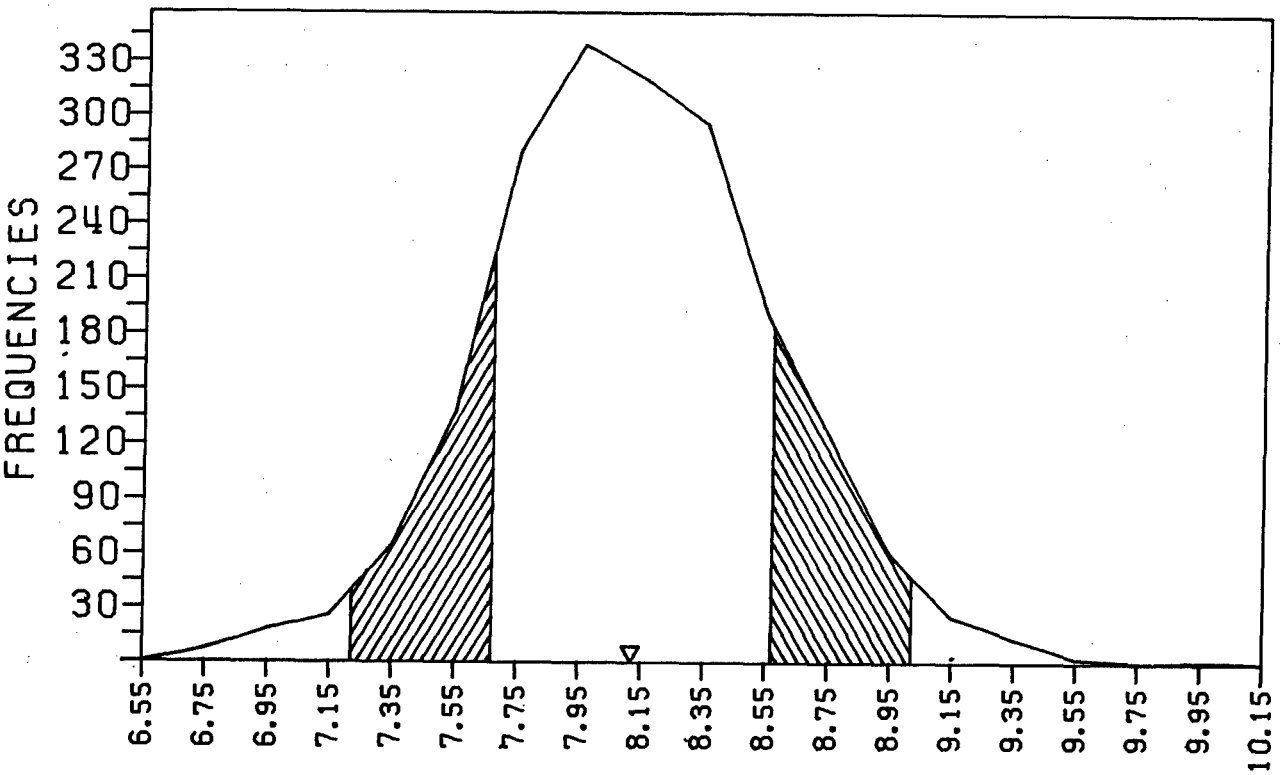
CENTIMETERS		INCHES
6.84	99TH	2.69
6.74	98TH	2.65
6.68	97TH	2.63
6.60	95TH	2.60
6.49	90TH	2.55
6.41	85TH	2.52
6.35	80TH	2.50
6.30	75TH	2.48
6.25	70TH	2.46
6.21	65TH	2.45
6.17	60TH	2.43
6.14	55TH	2.42
6.10	50TH	2.40
6.06	45TH	2.39
6.02	40TH	2.37
5.98	35TH	2.36
5.94	30TH	2.34
5.90	25TH	2.32
5.85	20TH	2.30
5.79	15TH	2.28
5.72	10TH	2.25
5.60	5TH	2.21
5.53	3RD	2.18
5.47	2ND	2.15
5.38	1ST	2.12

(72) FEMORAL BREADTH, RIGHT

Subject sits on a table, lower legs hanging over its side, and feet unsupported. With a spreading caliper and using firm pressure, measure the maximum distance between the epicondyles of the right femur.







RANGES*		F	CUMF	FPCT	CUMPCT
9.85-	10.05	1	1905	0.05	100.00
9.65-	9.85	0	1904	0.00	99.95
9.45-	9.65	2	1904	0.10	99.95
9.25-	9.45	13	1902	0.68	99.84
9.05-	9.25	25	1889	1.31	99.16
8.85-	9.05	60	1864	3.15	97.85
8.65-	8.85	125	1804	6.56	94.70
8.45-	8.65	191	1679	10.03	88.14
8.25-	8.45	295	1488	15.49	78.11
8.05-	8.25	320	1193	16.80	62.62
7.85-	8.05	339	873	17.80	45.83
7.65-	7.85	280	534	14.70	28.03
7.45-	7.65	138	254	7.24	13.33
7.25-	7.45	65	116	3.41	6.09
7.05-	7.25	26	51	1.36	2.68
6.85-	7.05	18	25	0.94	1.31
6.65-	6.85	7	7	0.37	0.37

*IN CENTIMETERS

CENTIMETERS		INCHES
8.12	MEAN VALUE	3.20
0.01	SE(MEAN)	0.00
0.45	SD DEVIATION	0.18
0.01	SE(SD DEV)	0.00

****

SYMMETRY---VETA I = 0.09
KURTOSIS---VETA II = 3.23
COEF. OF VARIATION = 5.6%

****

NUMBER OF SUBJECTS = 1905

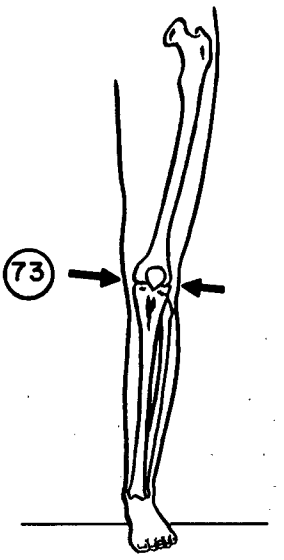
****

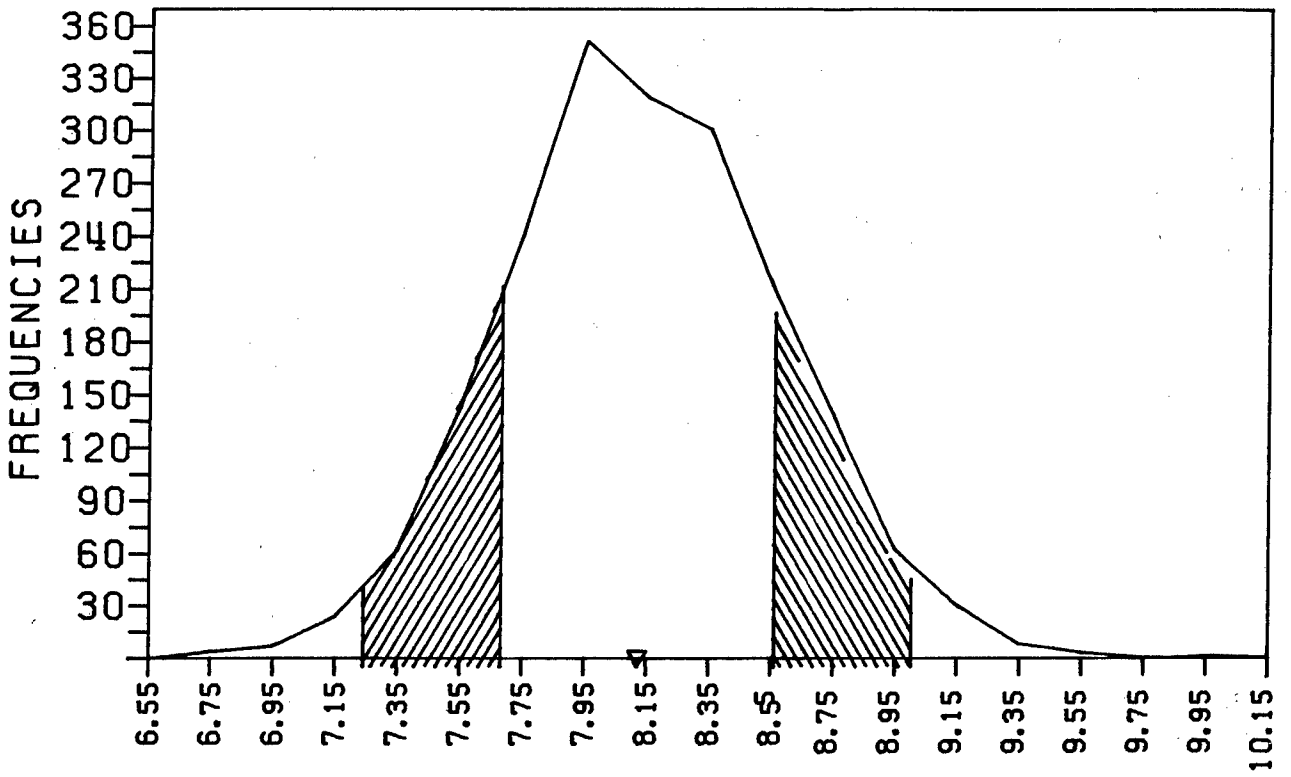
THE PERCENTILES

CENTIMETERS		INCHES
9.21	99TH	3.63
9.08	98TH	3.58
9.00	97TH	3.54
8.88	95TH	3.50
8.70	90TH	3.43
8.58	85TH	3.38
8.49	80TH	3.34
8.41	75TH	3.31
8.34	70TH	3.28
8.27	65TH	3.26
8.21	60TH	3.23
8.16	55TH	3.21
8.10	50TH	3.19
8.05	45TH	3.17
7.99	40TH	3.15
7.94	35TH	3.12
7.88	30TH	3.10
7.82	25TH	3.08
7.75	20TH	3.05
7.66	15TH	3.02
7.55	10TH	2.97
7.38	5TH	2.91
7.26	3RD	2.86
7.16	2ND	2.82
6.99	1ST	2.75

(73) FEMORAL BREADTH, LEFT

Subject sits on a table, lower legs hanging over its side, and feet unsupported. With a spreading caliper and using firm pressure, measure the maximum distance between the epicondyles of the left femur.





RANGES*		F	CUMF	FPCT	CUMPCT
9.85-	10.05	1	1905	0.05	100.00
9.65-	9.85	0	1904	0.00	99.95
9.45-	9.65	3	1904	0.16	99.95
9.25-	9.45	8	1901	0.42	99.79
9.05-	9.25	30	1893	1.57	99.37
8.85-	9.05	62	1863	3.25	97.80
8.65-	8.85	138	1801	7.24	94.54
8.45-	8.65	213	1663	11.18	87.30
8.25-	8.45	300	1450	15.75	76.12
8.05-	8.25	318	1150	16.69	60.37
7.85-	8.05	351	832	18.43	43.67
7.65-	7.85	241	481	12.65	25.25
7.45-	7.65	143	240	7.51	12.60
7.25-	7.45	62	97	3.25	5.09
7.05-	7.25	24	35	1.26	1.84
6.85-	7.05	7	11	0.37	0.58
6.65-	6.85	4	4	0.21	0.21

*IN CENTIMETERS

CENTIMETERS		INCHES
8.14	MEAN VALUE	3.20
0.01	SE(MEAN)	0.00
0.44	SD DEVIATION	0.17
0.01	SE(SD DEV)	0.00

****

SYMMETRY---VETA I = 0.10
KURTOSIS---VETA II = 3.07
COEF. OF VARIATION = 5.4%

****

NUMBER OF SUBJECTS = 1905

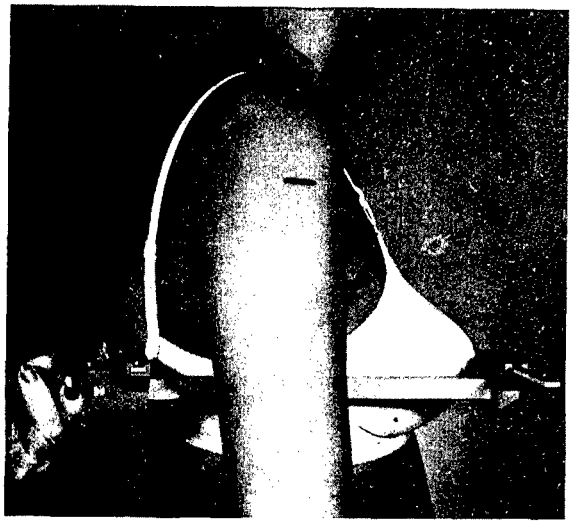
****

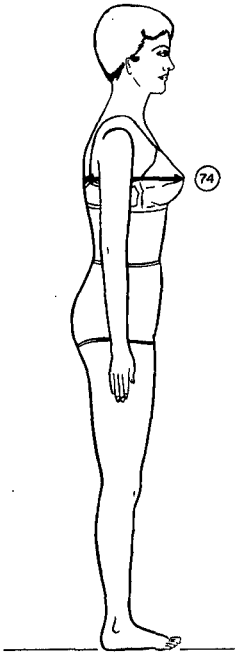
THE PERCENTILES

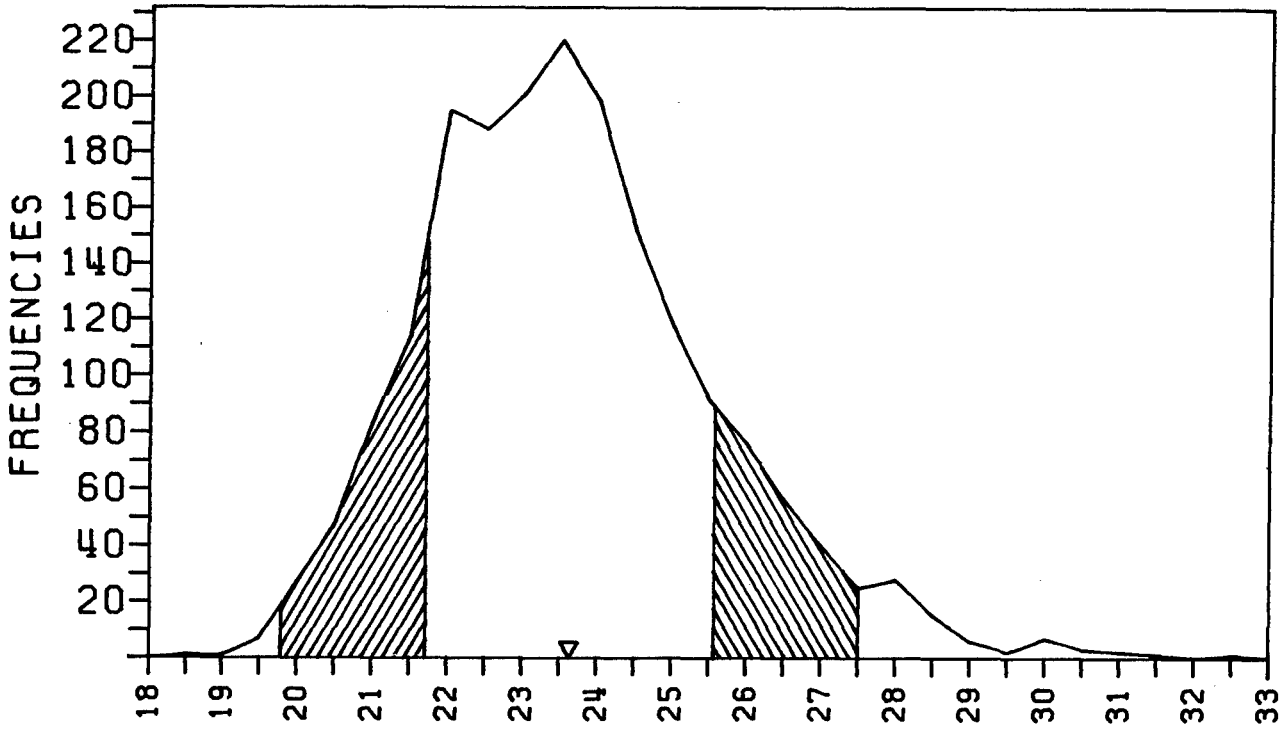
CENTIMETERS		INCHES
9.20	99TH	3.62
9.08	98TH	3.57
9.00	97TH	3.54
8.89	95TH	3.50
8.72	90TH	3.43
8.61	85TH	3.39
8.51	80TH	3.35
8.44	75TH	3.32
8.37	70TH	3.29
8.30	65TH	3.27
8.24	60TH	3.25
8.19	55TH	3.22
8.13	50TH	3.20
8.07	45TH	3.18
8.02	40TH	3.16
7.96	35TH	3.13
7.90	30TH	3.11
7.84	25TH	3.09
7.77	20TH	3.06
7.69	15TH	3.03
7.59	10TH	2.99
7.43	5TH	2.93
7.33	3RD	2.89
7.25	2ND	2.85
7.12	1ST	2.80

(74) CHEST DEPTH

Subject stands erect looking straight ahead, heels together, and weight distributed equally on both feet. With a beam caliper, measure the horizontal depth of the trunk at the level of the bustpoint landmarks. The reading is made at the point of maximum quiet inspiration.







RANGES*	F	CUMF	FPCT	CUMPCT
32.25- 32.75	1	1905	0.05	100.00
31.75- 32.25	0	1904	0.00	99.95
31.25- 31.75	1	1904	0.05	99.95
30.75- 31.25	2	1903	0.10	99.90
30.25- 30.75	3	1901	0.16	99.79
29.75- 30.25	7	1898	0.37	99.63
29.25- 29.75	2	1891	0.10	99.27
28.75- 29.25	6	1889	0.31	99.16
28.25- 28.75	15	1883	0.79	98.85
27.75- 28.25	28	1868	1.47	98.06
27.25- 27.75	25	1840	1.31	96.59
26.75- 27.25	40	1815	2.10	95.28
26.25- 26.75	56	1775	2.94	93.18
25.75- 26.25	76	1719	3.99	90.24
25.25- 25.75	91	1643	4.78	86.25
24.75- 25.25	118	1552	6.19	81.47
24.25- 24.75	152	1434	7.98	75.28
23.75- 24.25	198	1282	10.39	67.30
23.25- 23.75	220	1084	11.55	56.90
22.75- 23.25	201	864	10.55	45.35
22.25- 22.75	188	663	9.87	34.80
21.75- 22.25	195	475	10.24	24.93
21.25- 21.75	114	280	5.98	14.70
20.75- 21.25	83	166	4.36	8.71
20.25- 20.75	47	83	2.47	4.36
19.75- 20.25	27	36	1.42	1.89
19.25- 19.75	7	9	0.37	0.47
18.75- 19.25	1	2	0.05	0.10
18.25- 18.75	1	1	0.05	0.05

*IN CENTIMETERS

CENTIMETERS		INCHES
23.64	MEAN VALUE	9.31
0.04	SE(MEAN)	0.02
1.93	SD DEVIATION	0.76
0.03	SE(SD DEV)	0.01

****

SYMMETRY---VETA I = 0.66
KURTOSIS---VETA II = 3.71
COEF. OF VARIATION = 8.2%

****

NUMBER OF SUBJECTS = 1905

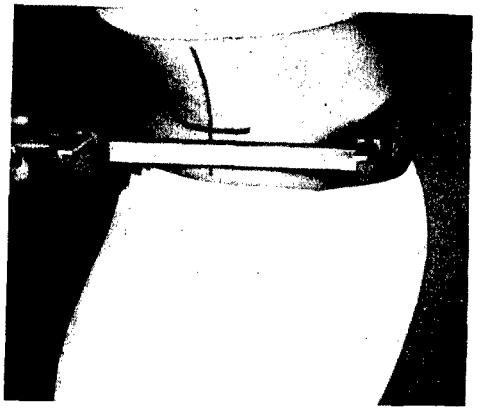
****

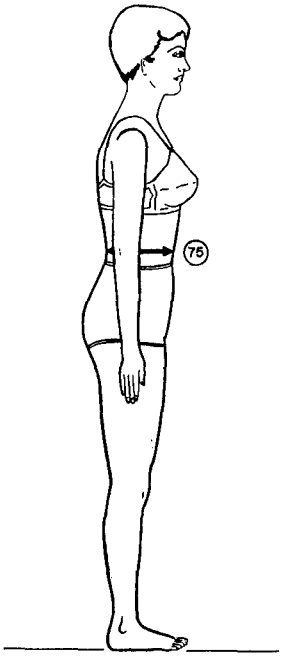
THE PERCENTILES

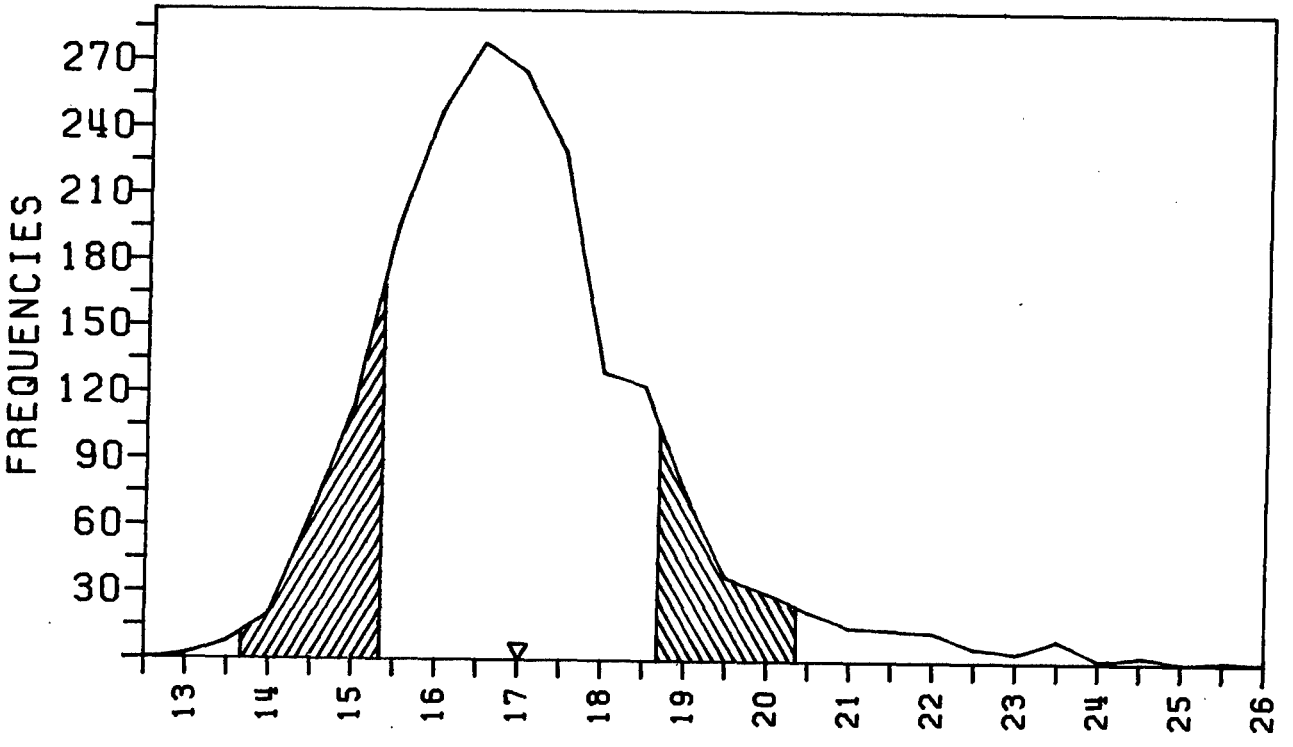
CENTIMETERS		INCHES
29.03	99TH	11.43
28.27	98TH	11.13
27.79	97TH	10.94
27.15	95TH	10.69
26.22	90TH	10.32
25.62	85TH	10.09
25.17	80TH	9.91
24.79	75TH	9.76
24.46	70TH	9.63
24.17	65TH	9.52
23.91	60TH	9.41
23.66	55TH	9.31
23.42	50TH	9.22
23.19	45TH	9.13
22.96	40TH	9.04
22.74	35TH	8.95
22.51	30TH	8.86
22.27	25TH	8.77
22.01	20TH	8.66
21.72	15TH	8.55
21.36	10TH	8.41
20.85	5TH	8.21
20.53	3RD	8.08
20.29	2ND	7.99
19.89	1ST	7.83

(75) WAIST DEPTH

Subject stands erect looking straight ahead, arms at sides, heels together, and weight distributed equally on both feet. With a beam caliper, measure the horizontal depth of the trunk at the level of the waist landmarks. The reading is made at the point of maximum quiet inspiration. The subject must not pull in her stomach.







RANGES*	F	CUMF	FPCT	CUMPCT
25.25- 25.75	1	1905	0.05	100.00
24.75- 25.25	0	1904	0.00	99.95
24.25- 24.75	3	1904	0.16	99.95
23.75- 24.25	1	1901	0.05	99.79
23.25- 23.75	10	1900	0.52	99.74
22.75- 23.25	4	1890	0.21	99.21
22.25- 22.75	6	1886	0.31	99.00
21.75- 22.25	13	1880	0.68	98.69
21.25- 21.75	14	1867	0.73	98.01
20.75- 21.25	15	1853	0.79	97.27
20.25- 20.75	22	1838	1.15	96.48
19.75- 20.25	30	1816	1.57	95.33
19.25- 19.75	37	1786	1.94	93.75
18.75- 19.25	75	1749	3.94	91.81
18.25- 18.75	123	1674	6.46	87.87
17.75- 18.25	129	1551	6.77	81.42
17.25- 17.75	229	1422	12.02	74.65
16.75- 17.25	265	1193	13.91	62.62
16.25- 16.75	278	928	14.59	48.71
15.75- 16.25	247	650	12.97	34.12
15.25- 15.75	195	403	10.24	21.15
14.75- 15.25	113	208	5.93	10.92
14.25- 14.75	65	95	3.41	4.99
13.75- 14.25	20	30	1.05	1.57
13.25- 13.75	8	10	0.42	0.52
12.75- 13.25	2	2	0.10	0.10

*IN CENTIMETERS

CENTIMETERS		INCHES
17.01	MEAN VALUE	6.70
0.04	SE(MEAN)	0.02
1.67	SD DEVIATION	0.66
0.03	SE(SD DEV)	0.01

***

SYMMETRY---VETA I = 1.14
KURTOSIS---VETA II = 5.41
COEF. OF VARIATION = 9.8%

****

NUMBER OF SUBJECTS = 1905

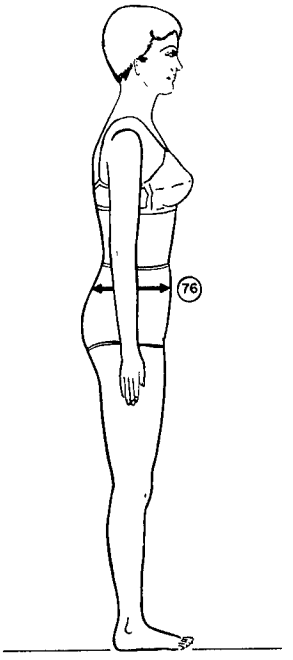
****

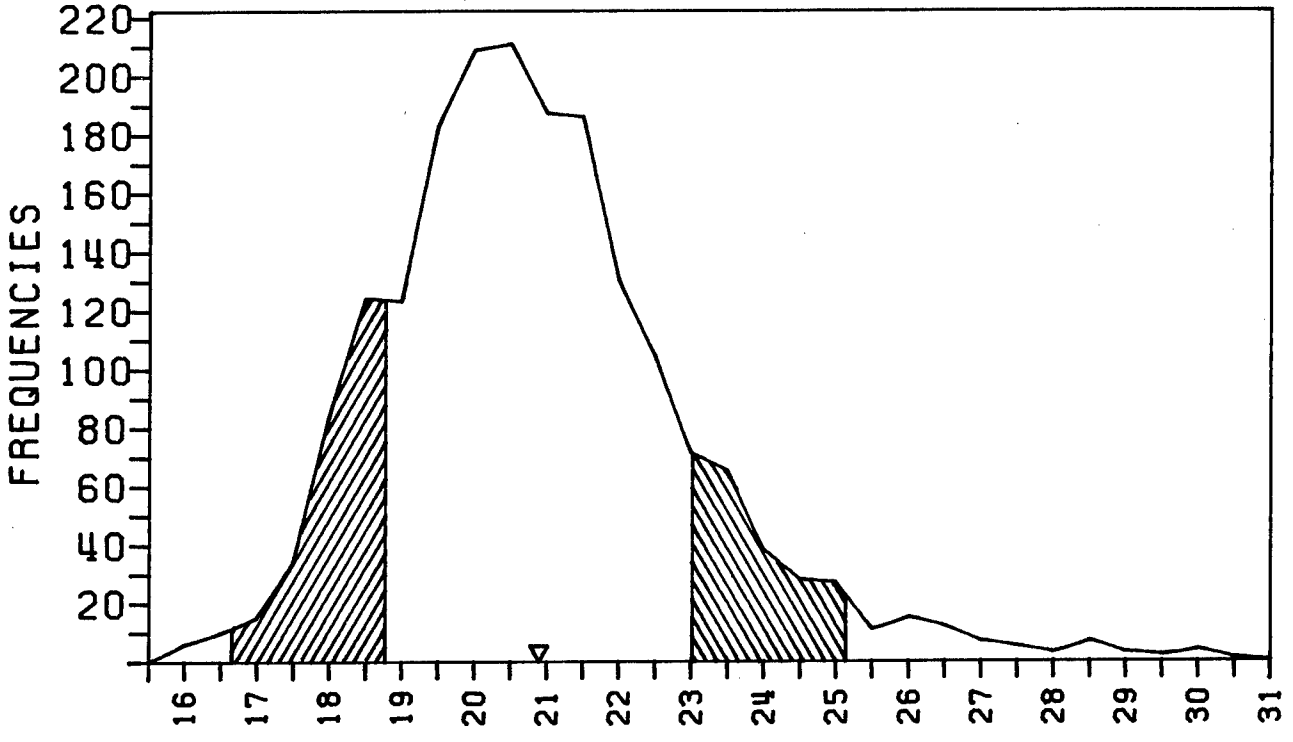
THE PERCENTILES

CENTIMETERS		INCHES
22.85	99TH	9.00
21.64	98TH	8.52
20.97	97TH	8.26
20.16	95TH	7.94
19.13	90TH	7.53
18.55	85TH	7.30
18.15	80TH	7.14
17.83	75TH	7.02
17.56	70TH	6.92
17.34	65TH	6.83
17.13	60TH	6.75
16.95	55TH	6.67
16.77	50TH	6.60
16.60	45TH	6.54
16.43	40TH	6.47
16.26	35TH	6.40
16.09	30TH	6.34
15.91	25TH	6.26
15.71	20TH	6.18
15.47	15TH	6.09
15.18	10TH	5.98
14.76	5TH	5.81
14.48	3RD	5.70
14.28	2ND	5.62
13.98	1ST	5.50

(76) ABDOMINAL EXTENSION DEPTH

Subject stands erect looking straight ahead, arms at sides, heels together, and weight distributed equally on both feet. With a beam caliper, measure the horizontal depth of the trunk at the level of the abdominal extension landmark. The reading is made at the point of maximum quiet inspiration. The subject must not pull in her stomach.





RANGES*	F	CUMF	FPCT	CUMPCT
30.25- 30.75	1	1905	0.05	100.00
29.75- 30.25	4	1904	0.21	99.95
29.25- 29.75	2	1900	0.10	99.74
28.75- 29.25	3	1898	0.16	99.63
28.25- 28.75	7	1895	0.37	99.48
27.75- 28.25	3	1888	0.16	99.11
27.25- 27.75	5	1885	0.26	98.95
26.75- 27.25	7	1880	0.37	98.69
26.25- 26.75	12	1873	0.63	98.32
25.75- 26.25	15	1861	0.79	97.69
25.25- 25.75	11	1846	0.58	96.90
24.75- 25.25	27	1835	1.42	96.33
24.25- 24.75	28	1808	1.47	94.91
23.75- 24.25	38	1780	1.99	93.44
23.25- 23.75	65	1742	3.41	91.44
22.75- 23.25	71	1677	3.73	88.03
22.25- 22.75	104	1606	5.46	84.30
21.75- 22.25	130	1502	6.82	78.85
21.25- 21.75	186	1372	9.76	72.02
20.75- 21.25	187	1186	9.82	62.26
20.25- 20.75	211	999	11.08	52.44
19.75- 20.25	209	788	10.97	41.36
19.25- 19.75	183	579	9.61	30.39
18.75- 19.25	123	396	6.46	20.79
18.25- 18.75	124	273	6.51	14.33
17.75- 18.25	84	149	4.41	7.82
17.25- 17.75	34	65	1.78	3.41
16.75- 17.25	15	31	0.79	1.63
16.25- 16.75	10	16	0.52	0.84
15.75- 16.25	6	6	0.31	0.31

*IN CENTIMETERS

CENTIMETERS		INCHES
20.89	MEAN VALUE	8.22
0.05	SE(MEAN)	0.02
2.12	SD DEVIATION	0.83
0.03	SE(SD DEV)	0.01

****

SYMMETRY---VETA I = 0.94
KURTOSIS---VETA II = 4.81
COEF. OF VARIATION = 10.1%

****

NUMBER OF SUBJECTS = 1905

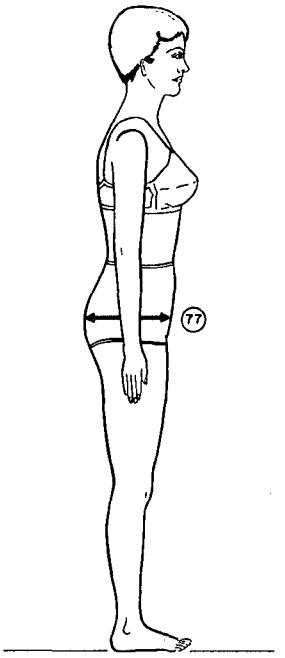
****

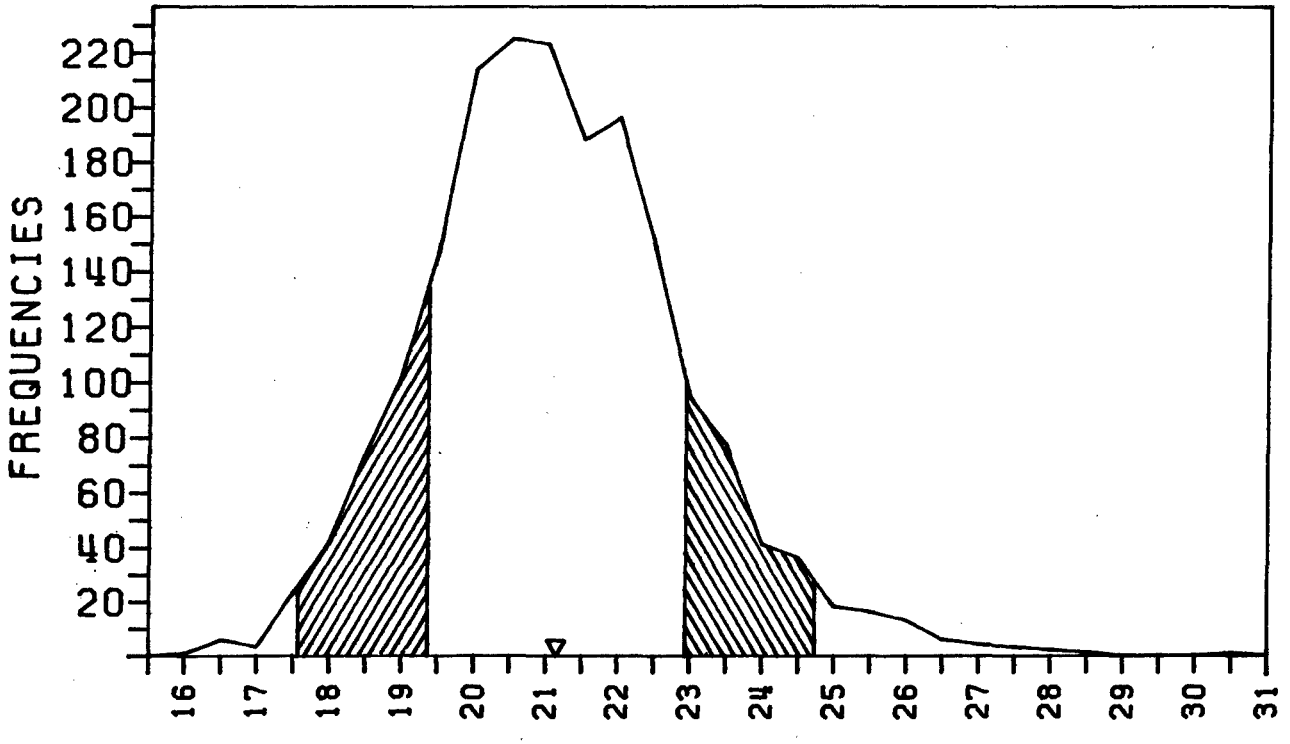
THE PERCENTILES

CENTIMETERS		INCHES
27.92	99TH	10.99
26.52	98TH	10.44
25.74	97TH	10.13
24.80	95TH	9.76
23.57	90TH	9.28
22.87	85TH	9.00
22.38	80TH	8.81
21.98	75TH	8.65
21.65	70TH	8.52
21.36	65TH	8.41
21.10	60TH	8.31
20.86	55TH	8.21
20.63	50TH	8.12
20.40	45TH	8.03
20.18	40TH	7.94
19.95	35TH	7.86
19.72	30TH	7.76
19.47	25TH	7.67
19.19	20TH	7.56
18.88	15TH	7.43
18.49	10TH	7.28
17.92	5TH	7.05
17.56	3RD	6.91
17.30	2ND	6.81
16.92	1ST	6.66

(77) BUTTOCK DEPTH

Subject stands erect, heels together and weight distributed equally on both feet. With a beam caliper, measure the horizontal depth of the trunk at the level of the buttock landmark.





RANGES*	F	CUMF	FPCT	CUMPCT
30.25- 30.75	1	1905	0.05	100.00
29.75- 30.25	0	1904	0.00	99.95
29.25- 29.75	0	1904	0.00	99.95
28.75- 29.25	0	1904	0.00	99.95
28.25- 28.75	1	1904	0.05	99.95
27.75- 28.25	2	1903	0.10	99.90
27.25- 27.75	3	1901	0.16	99.79
26.75- 27.25	4	1898	0.21	99.63
26.25- 26.75	6	1894	0.31	99.42
25.75- 26.25	13	1888	0.68	99.11
25.25- 25.75	16	1875	0.84	98.43
24.75- 25.25	18	1859	0.94	97.59
24.25- 24.75	36	1841	1.89	96.64
23.75- 24.25	41	1805	2.15	94.75
23.25- 23.75	77	1764	4.04	92.60
22.75- 23.25	94	1687	4.93	88.56
22.25- 22.75	149	1593	7.82	83.62
21.75- 22.25	196	1444	10.29	75.80
21.25- 21.75	188	1248	9.87	65.51
20.75- 21.25	223	1060	11.71	55.64
20.25- 20.75	225	837	11.81	43.94
19.75- 20.25	214	612	11.23	32.13
19.25- 19.75	147	398	7.72	20.89
18.75- 19.25	102	251	5.35	13.18
18.25- 18.75	74	149	3.88	7.82
17.75- 18.25	42	75	2.20	3.94
17.25- 17.75	23	33	1.21	1.73
16.75- 17.25	3	10	0.16	0.52
16.25- 16.75	6	7	0.31	0.37
15.75- 16.25	1	1	0.05	0.05

*IN CENTIMETERS

CENTIMETERS		INCHES
21.15	MEAN VALUE	8.33
0.04	SE(MEAN)	0.02
1.79	SD DEVIATION	0.70
0.03	SE(SD DEV)	0.01

****

SYMMETRY---VETA I = 0.54
KURTOSIS---VETA II = 3.94
COEF. OF VARIATION = 8.5%

****

NUMBER OF SUBJECTS = 1905

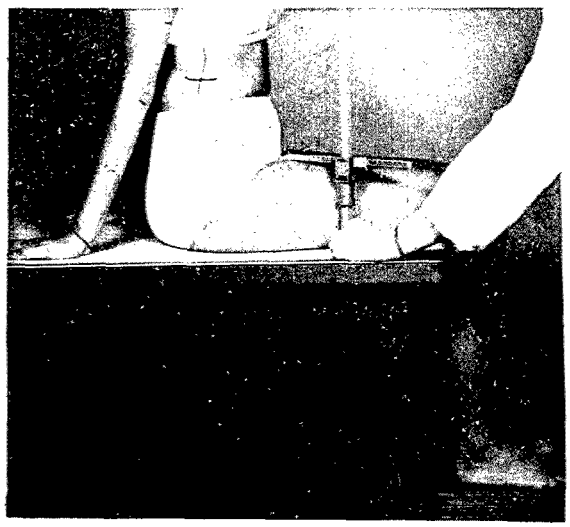
****

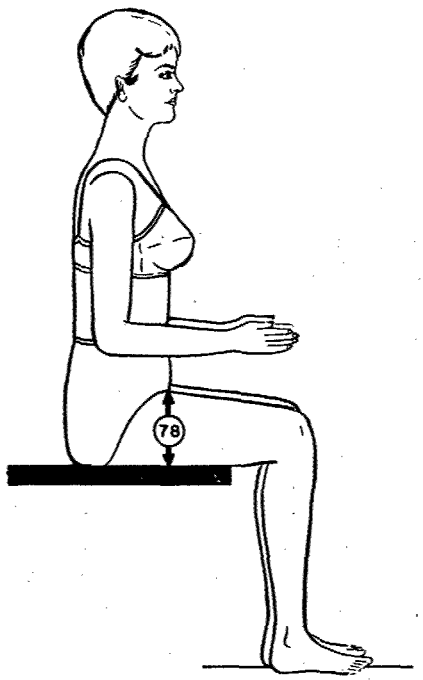
THE PERCENTILES

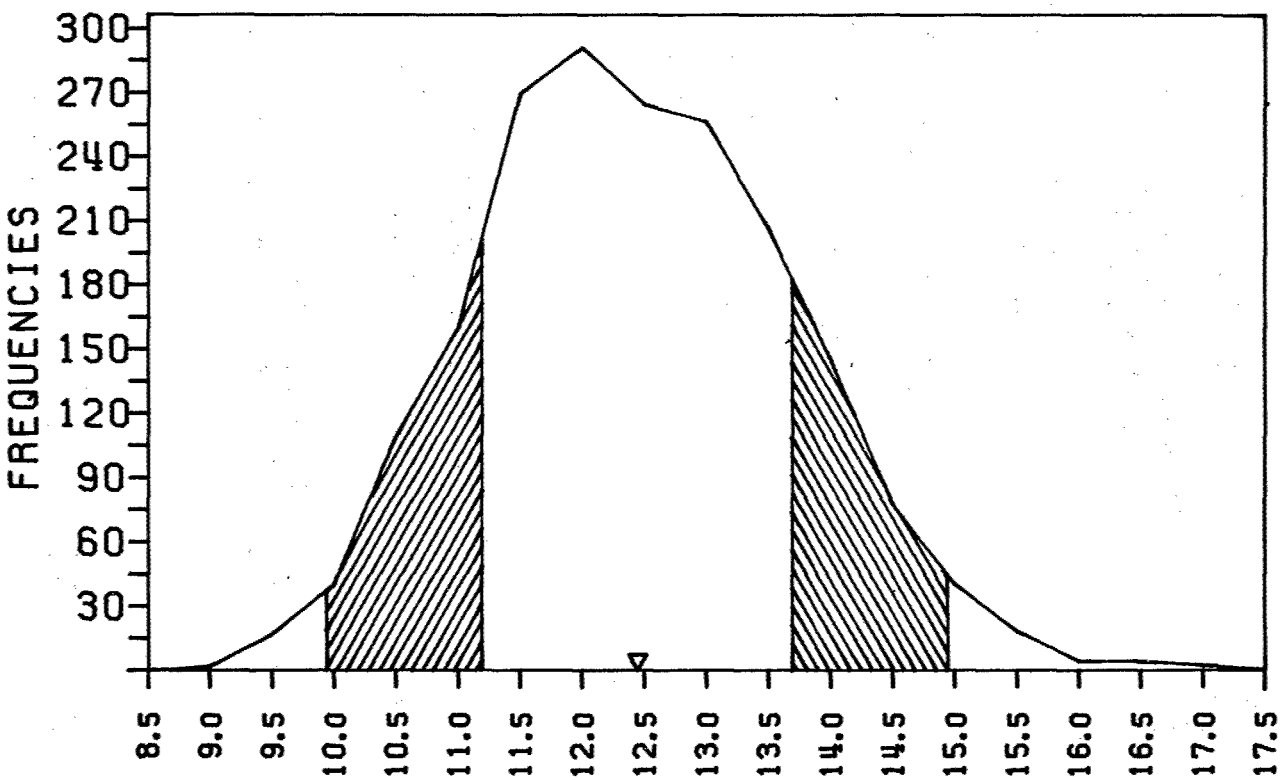
CENTIMETERS		INCHES
26.23	99TH	10.33
25.41	98TH	10.00
24.92	97TH	9.81
24.31	95TH	9.57
23.46	90TH	9.24
22.93	85TH	9.03
22.54	80TH	8.88
22.22	75TH	8.75
21.94	70TH	8.64
21.69	65TH	8.54
21.45	60TH	8.45
21.23	55TH	8.36
21.02	50TH	8.28
20.81	45TH	8.19
20.60	40TH	8.11
20.38	35TH	8.02
20.16	30TH	7.94
19.92	25TH	7.84
19.65	20TH	7.74
19.35	15TH	7.62
18.97	10TH	7.47
18.41	5TH	7.25
18.06	3RD	7.11
17.81	2ND	7.01
17.43	1ST	6.86

(78) THIGH CLEARANCE

Subject sits erect on a flat surface, feet on the adjustable platform, and knees flexed 90 degrees. With an anthropometer, measure the vertical distance from the sitting surface to the highest point on the right thigh.







RANGES*		F	CUMF	FPCT	CUMPCT
16.75-	17.25	2	1 905	0.10	100.00
16.25-	16.75	4	1903	0.21	99.90
15.75-	16.25	4	1899	0.21	99.69
15.25-	15.75	18	1895	0.94	99.48
14.75-	15.25	40	1877	2.10	98.53
14.25-	14.75	77	1837	4.04	96.43
13.75-	14.25	145	1760	7.61	92.39
13.25-	13.75	206	1615	10.81	84.78
12.75-	13.25	256	1409	13.44	73.96
12.25-	12.75	264	1153	13.86	60.52
11.75-	12.25	291	889	15.28	46.67
11.25-	11.75	270	598	14.17	31.39
10.75-	11.25	160	328	8.40	17.22
10.25-	10.75	109	168	5.72	8.82
9.75-	10.25	40	59	2.10	3.10
9.25-	9.75	17	19	0.89	1.00
8.75-	9.25	2	2	0.10	0.10

*IN CENTIMETERS

CENTIMETERS		INCHES
12.44	MEAN VALUE	4.90
0.03	SE(MEAN)	0.01
1.25	SD DEVIATION	0.49
0.02	SE(SD DEV)	0.01

****

SYMMETRY---VETA I = 0.20
KURTOSIS---VETA II = 2.86
COEF. OF VARIATION = 10.1%

****

NUMBER OF SUBJECTS = 1905

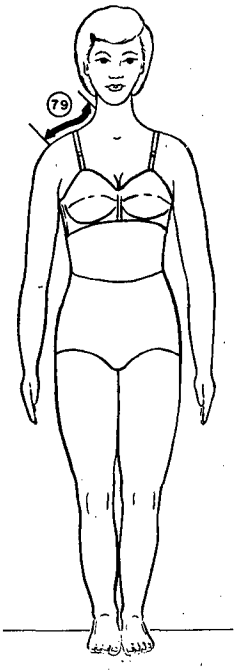
****

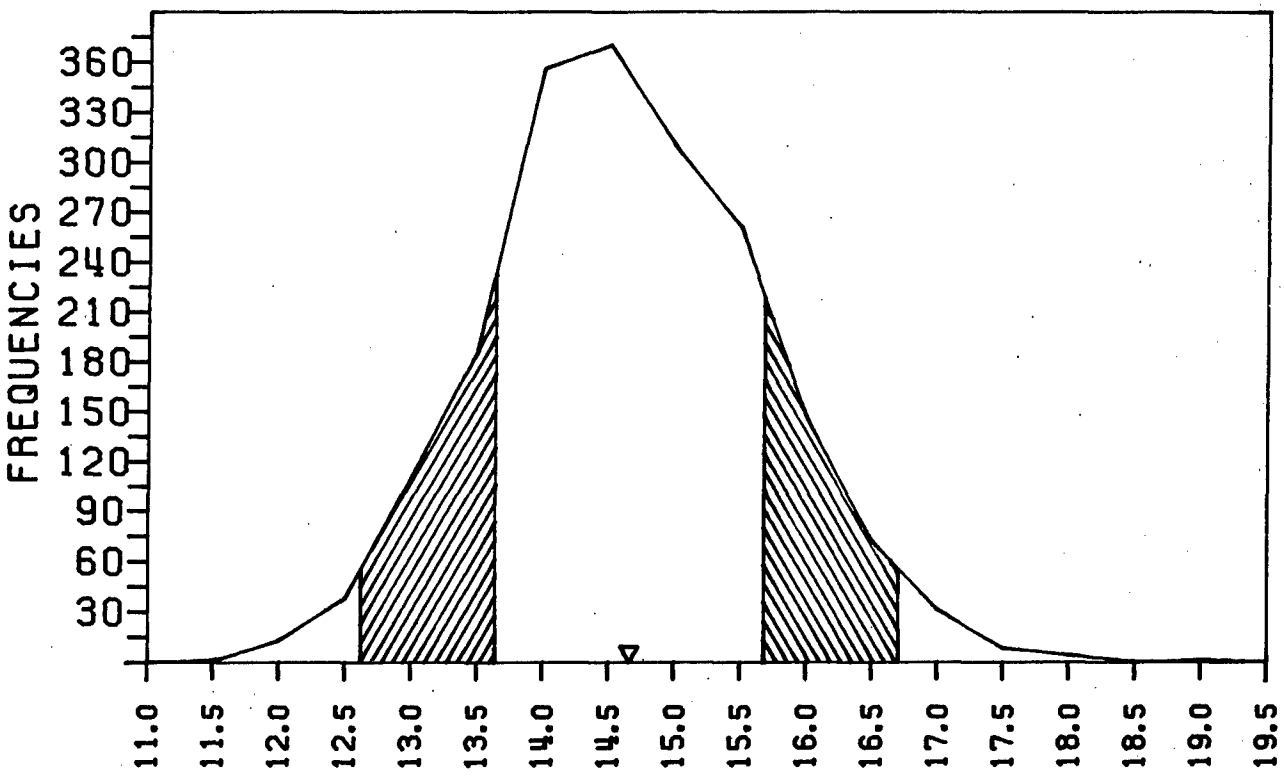
THE PERCENTILES

CENTIMETERS		INCHES
15.48	99TH	6.09
15.13	98TH	5.96
14.90	97TH	5.87
14.59	95TH	5.74
14.10	90TH	5.55
13.77	85TH	5.42
13.51	80TH	5.32
13.28	75TH	5.23
13.08	70TH	5.15
12.89	65TH	5.08
12.72	60TH	5.01
12.55	55TH	4.94
12.38	50TH	4.88
12.22	45TH	4.81
12.06	40TH	4.75
11.89	35TH	4.68
11.72	30TH	4.61
11.53	25TH	4.54
11.33	20TH	4.46
11.10	15TH	4.37
10.82	10TH	4.26
10.42	5TH	4.10
10.18	3RD	4.01
10.01	2ND	3.94
9.76	1ST	3.84

(79) SHOULDER LENGTH

Subject stands erect with the head in the Frankfort plane. With a tape, measure the surface distance along the top of the shoulder from the right lateral-neck landmark to the right acromial landmark.





RANGES*	F	CUMF	FPCT	CUMPCT
18.75- 19.25	1	1905	0.05	100.00
18.25- 18.75	0	1904	0.00	99.95
17.75- 18.25	4	1904	0.21	99.95
17.25- 17.75	8	1900	0.42	99.74
16.75- 17.25	31	1892	1.63	99.32
16.25- 16.75	72	1861	3.78	97.69
15.75- 16.25	146	1789	7.66	93.91
15.25- 15.75	260	1643	13.65	86.25
14.75- 15.25	309	1383	16.22	72.60
14.25- 14.75	370	1074	19.42	56.38
13.75- 14.25	356	704	18.69	36.96
13.25- 13.75	186	348	9.76	18.27
12.75- 13.25	110	162	5.77	8.50
12.25- 12.75	38	52	1.99	2.73
11.75- 12.25	13	14	0.68	0.73
11.25- 11.75	1	1	0.05	0.05

*IN CENTIMETERS

CENTIMETERS		INCHES
14.66	MEAN VALUE	5.77
0.02	SE(MEAN)	0.01
1.02	SD DEVIATION	0.40
0.02	SE(SD DEV)	0.01

****

SYMMETRY---VETA I = 0.16
KURTOSIS---VETA II = 3.02
COEF. OF VARIATION = 7.0%

****

NUMBER OF SUBJECTS = 1905

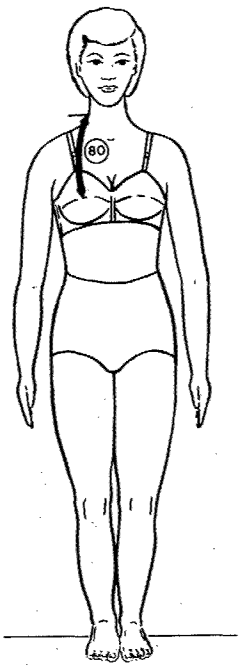
****

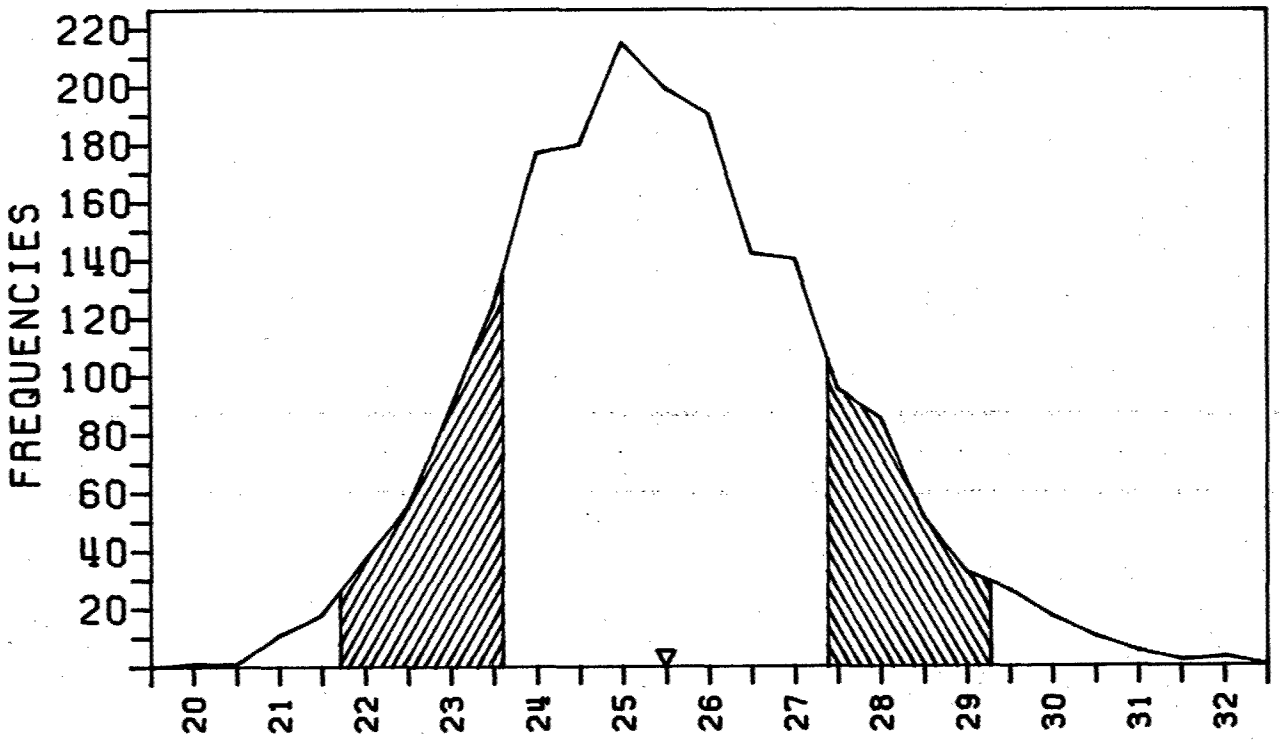
THE PERCENTILES

CENTIMETERS		INCHES
17.15	99TH	6.75
16.85	98TH	6.63
16.66	97TH	6.56
16.40	95TH	6.46
15.99	90TH	6.30
15.72	85TH	6.19
15.50	80TH	6.10
15.32	75TH	6.03
15.16	70TH	5.97
15.01	65TH	5.91
14.87	60TH	5.85
14.73	55TH	5.80
14.60	50TH	5.75
14.47	45TH	5.70
14.34	40TH	5.65
14.21	35TH	5.59
14.07	30TH	5.54
13.92	25TH	5.48
13.76	20TH	5.42
13.57	15TH	5.34
13.33	10TH	5.25
12.98	5TH	5.11
12.75	3RD	5.02
12.58	2ND	4.95
12.31	1ST	4.85

(80) NECK-TO-BUSTPOINT LENGTH

Subject stands erect looking straight ahead. With a tape, measure the straight line distance from the right lateral-neck landmark to the right bustpoint landmark. The tape is held tense and does not follow the surface contour of the body.





RANGES*	F	CUMF	FPCT	CUMPCT
31.75- 32.25	3	1905	0.16	100.00
31.25- 31.75	2	1902	0.10	99.84
30.75- 31.25	5	1900	0.26	99.74
30.25- 30.75	10	1895	0.52	99.48
29.75- 30.25	17	1885	0.89	98.95
29.25- 29.75	26	1868	1.36	98.06
28.75- 29.25	32	1842	1.68	96.69
28.25- 28.75	51	1810	2.68	95.01
27.75- 28.25	85	1759	4.46	92.34
27.25- 27.75	95	1674	4.99	87.87
26.75- 27.25	140	1579	7.35	82.89
26.25- 26.75	142	1439	7.45	75.54
25.75- 26.25	190	1297	9.97	68.08
25.25- 25.75	199	1107	10.45	58.11
24.75- 25.25	215	908	11.29	47.66
24.25- 24.75	180	693	9.45	36.38
23.75- 24.25	177	513	9.29	26.93
23.25- 23.75	124	336	6.51	17.64
22.75- 23.25	89	212	4.67	11.13
22.25- 22.75	55	123	2.89	6.46
21.75- 22.25	37	68	1.94	3.57
21.25- 21.75	18	31	0.94	1.63
20.75- 21.25	11	13	0.58	0.68
20.25- 20.75	1	2	0.05	0.10
19.75- 20.25	1	1	0.05	0.05

*IN CENTIMETERS

CENTIMETERS		INCHES
25.49	MEAN VALUE	10.04
0.04	SE(MEAN)	0.02
1.89	SD DEVIATION	0.74
0.03	SE(SD DEV)	0.01

****

SYMMETRY---VETA I = 0.29
KURTOSIS---VETA II = 3.06
COEF. OF VARIATION = 7.4%

****

NUMBER OF SUBJECTS = 1905

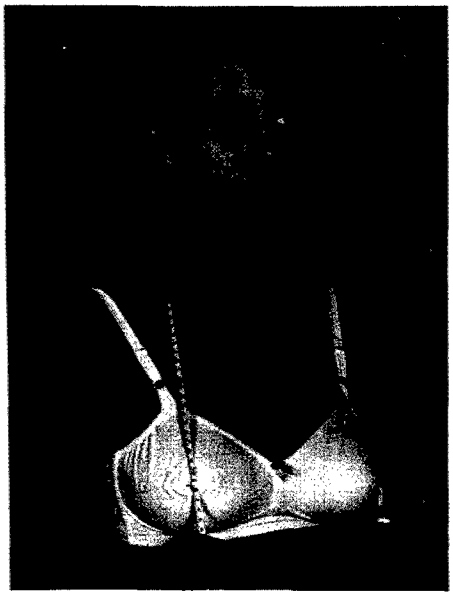
****

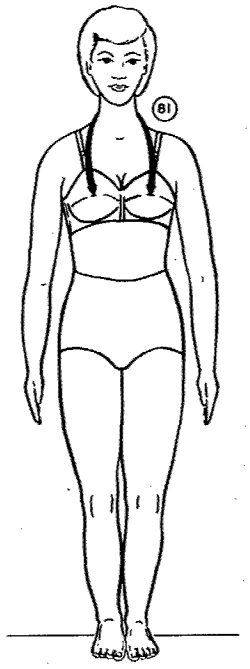
THE PERCENTILES

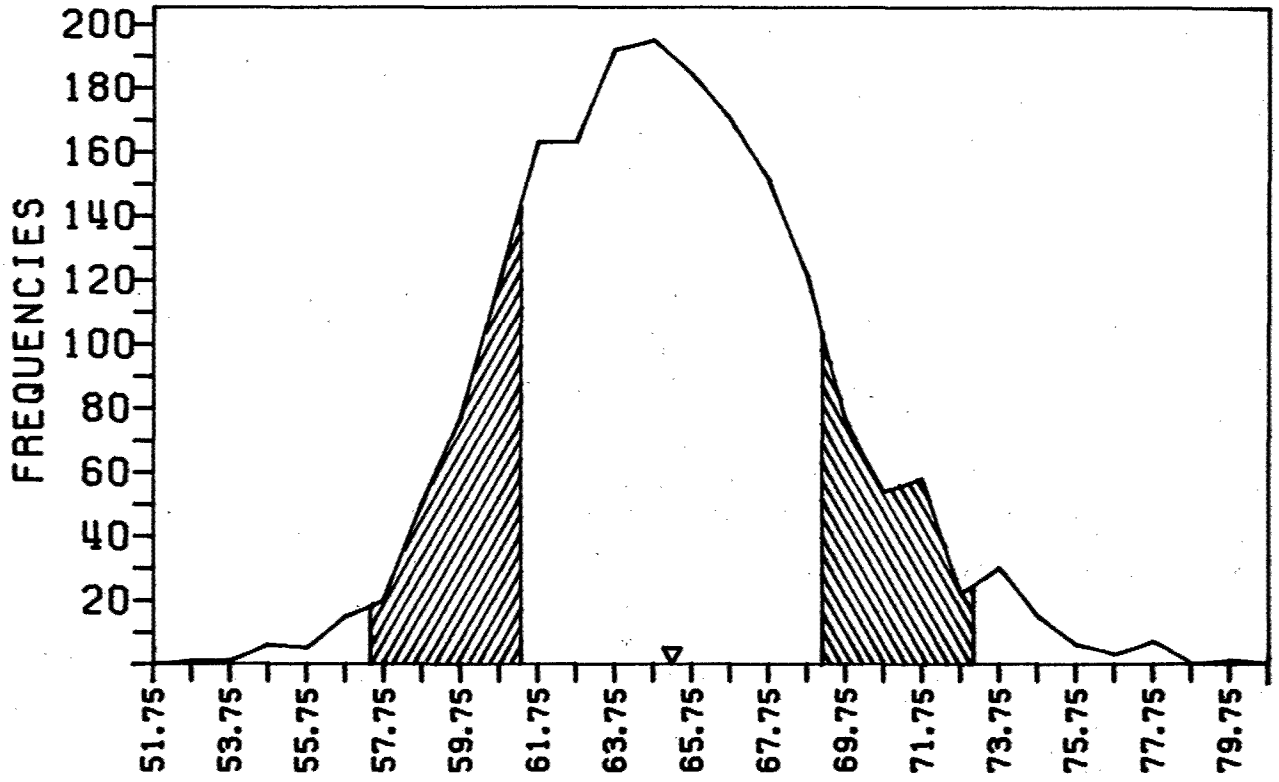
CENTIMETERS		INCHES
30.32	99TH	11.94
29.71	98TH	11.70
29.32	97TH	11.54
28.79	95TH	11.33
27.99	90TH	11.02
27.46	85TH	10.81
27.05	80TH	10.65
26.70	75TH	10.51
26.39	70TH	10.39
26.12	65TH	10.28
25.86	60TH	10.18
25.61	55TH	10.08
25.37	50TH	9.99
25.13	45TH	9.90
24.90	40TH	9.80
24.66	35TH	9.71
24.41	30TH	9.61
24.15	25TH	9.51
23.86	20TH	9.39
23.53	15TH	9.26
23.12	10TH	9.10
22.52	5TH	8.87
22.14	3RD	8.71
21.85	2ND	8.60
21.40	1ST	8.42

(81) STRAP LENGTH

Subject stands erect with head in the Frankfort plane. With a tape, measure the distance from the right bustpoint landmark across the posterior neck landmark to the left bustpoint landmark. The tape is held tense and does not follow the curvature of the front of the body.







RANGES*	F	CUMF	FPCT	CUMPCT
79.25- 80.25	1	1905	0.05	100.00
78.25- 79.25	0	1904	0.00	99.95
77.25- 78.25	7	1904	0.37	99.95
76.25- 77.25	3	1897	0.16	99.58
75.25- 76.25	6	1894	0.31	99.42
74.25- 75.25	15	1888	0.79	99.11
73.25- 74.25	30	1873	1.57	98.32
72.25- 73.25	22	1843	1.15	96.75
71.25- 72.25	58	1821	3.04	95.59
70.25- 71.25	54	1763	2.83	92.55
69.25- 70.25	76	1709	3.99	89.71
68.25- 69.25	121	1633	6.35	85.72
67.25- 68.25	151	1512	7.93	79.37
66.25- 67.25	170	1361	8.92	71.44
65.25- 66.25	184	1191	9.66	62.52
64.25- 65.25	195	1007	10.24	52.86
63.25- 64.25	192	812	10.08	42.62
62.25- 63.25	163	620	8.56	32.55
61.25- 62.25	163	457	8.56	23.99
60.25- 61.25	119	294	6.25	15.43
59.25- 60.25	77	175	4.04	9.19
58.25- 59.25	50	98	2.62	5.14
57.25- 58.25	20	48	1.05	2.52
56.25- 57.25	15	28	0.79	1.47
55.25- 56.25	5	13	0.26	0.68
54.25- 55.25	6	8	0.31	0.42
53.25- 54.25	1	2	0.05	0.10
52.25- 53.25	1	1	0.05	0.05

*IN CENTIMETERS

CENTIMETERS		INCHES
65.22	MEAN VALUE	25.68
0.09	SE(MEAN)	0.04
3.92	SD DEVIATION	1.54
0.06	SE(SD DEV)	0.02

****

SYMMETRY---VETA I = 0.31
KURTOSIS---VETA II = 3.17
COEF. OF VARIATION = 6.0%

****

NUMBER OF SUBJECTS = 1905

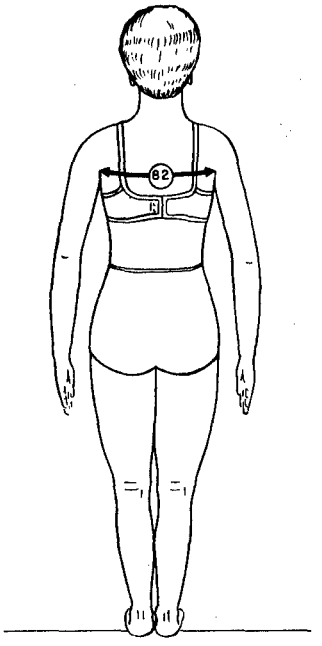
****

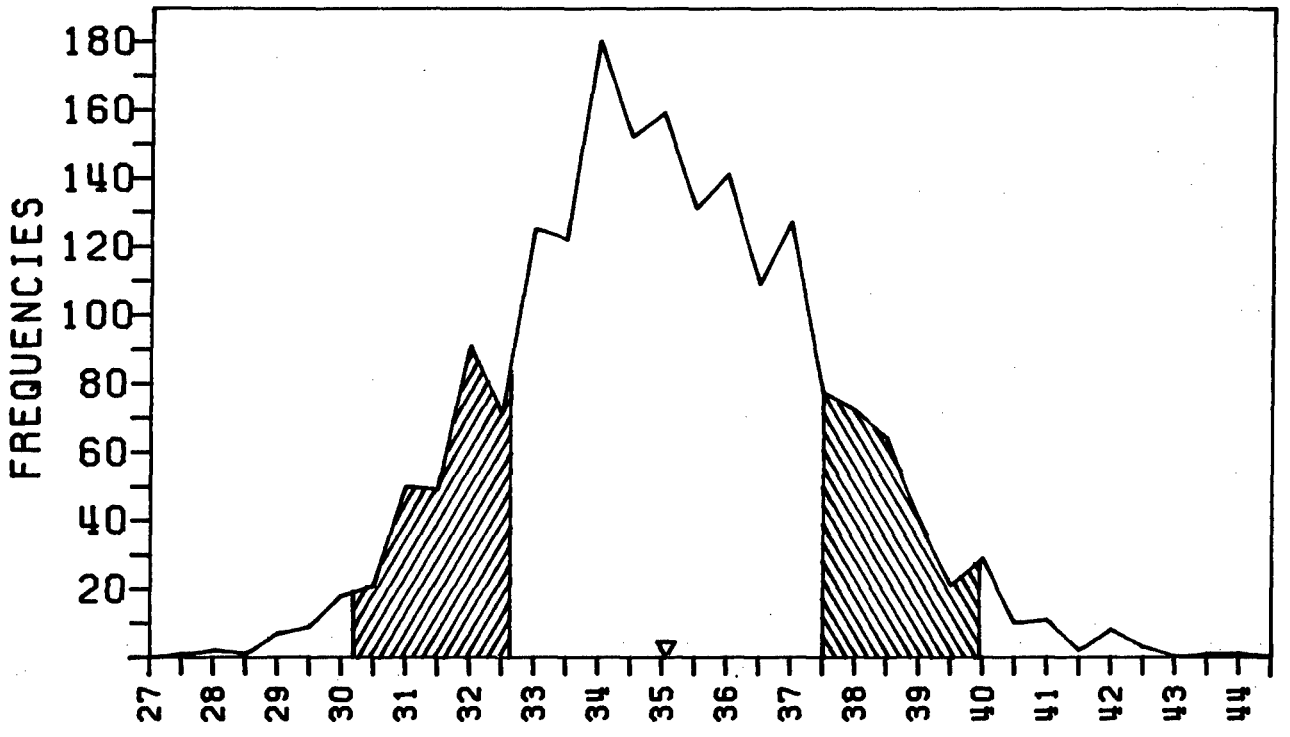
THE PERCENTILES

CENTIMETERS		INCHES
75.21	99TH	29.61
73.99	98TH	29.13
73.20	97TH	28.82
72.11	95TH	28.39
70.42	90TH	27.72
69.30	85TH	27.28
68.43	80TH	26.94
67.69	75TH	26.65
67.05	70TH	26.40
66.47	65TH	26.17
65.93	60TH	25.96
65.42	55TH	25.75
64.92	50TH	25.56
64.44	45TH	25.37
63.96	40TH	25.18
63.48	35TH	24.99
62.98	30TH	24.79
62.45	25TH	24.59
61.87	20TH	24.36
61.21	15TH	24.10
60.39	10TH	23.78
59.17	5TH	23.30
58.36	3RD	22.98
57.74	2ND	22.73
56.70	1ST	22.32

(82) INTERSCYE CURVATURE

Subject stands erect with arms relaxed. With a tape held in a horizontal plane, measure the distance across the back between the posterior scye-point landmarks.





RANGES*	F	CUMF	FPCT	CUMPCT
43.75- 44.25	1	1905	0.05	100.00
43.25- 43.75	1	1904	0.05	99.95
42.75- 43.25	0	1903	0.00	99.90
42.25- 42.75	3	1903	0.16	99.90
41.75- 42.25	8	1900	0.42	99.74
41.25- 41.75	2	1892	0.10	99.32
40.75- 41.25	11	1890	0.58	99.21
40.25- 40.75	10	1879	0.52	98.64
39.75- 40.25	29	1869	1.52	98.11
39.25- 39.75	21	1840	1.10	96.59
38.75- 39.25	40	1819	2.10	95.49
38.25- 38.75	64	1779	3.36	93.39
37.75- 38.25	72	1715	3.78	90.03
37.25- 37.75	77	1643	4.04	86.25
36.75- 37.25	127	1566	6.67	82.20
36.25- 36.75	109	1439	5.72	75.54
35.75- 36.25	141	1330	7.40	69.82
35.25- 35.75	131	1189	6.88	62.41
34.75- 35.25	159	1058	8.35	55.54
34.25- 34.75	152	899	7.98	47.19
33.75- 34.25	180	747	9.45	39.21
33.25- 33.75	122	567	6.40	29.76
32.75- 33.25	125	445	6.56	23.36
32.25- 32.75	71	320	3.73	16.80
31.75- 32.25	91	249	4.78	13.07
31.25- 31.75	49	158	2.57	8.29
30.75- 31.25	50	109	2.62	5.72
30.25- 30.75	21	59	1.10	3.10
29.75- 30.25	18	38	0.94	1.99
29.25- 29.75	9	20	0.47	1.05
28.75- 29.25	7	11	0.37	0.58
28.25- 28.75	1	4	0.05	0.21
27.75- 28.25	2	3	0.10	0.16
27.25- 27.75	1	1	0.05	0.05

*IN CENTIMETERS

CENTIMETERS		INCHES
35.06	MEAN VALUE	13.80
0.06	SE(MEAN)	0.02
2.44	SD DEVIATION	0.96
0.04	SE(SD DEV)	0.02

****

SYMMETRY---VETA I = 0.19
KURTOSIS---VETA II = 3.02
COEF. OF VARIATION = 7.0%

****

NUMBER OF SUBJECTS = 1905

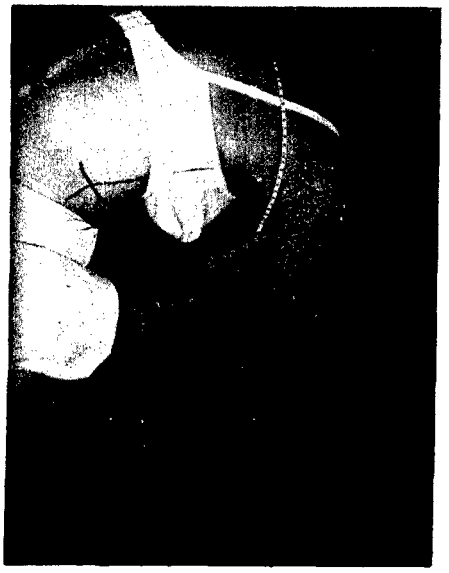
****

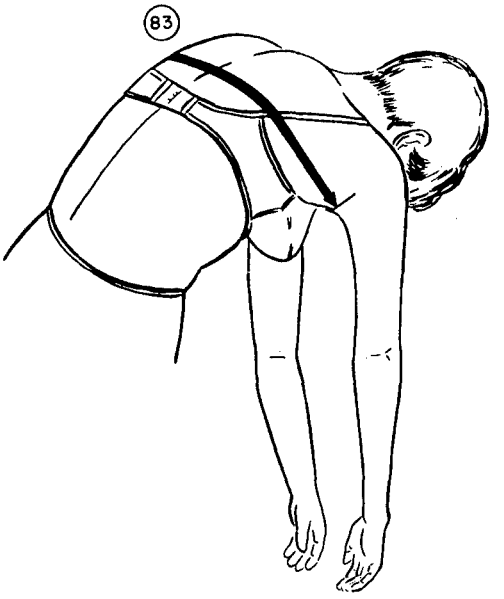
THE PERCENTILES

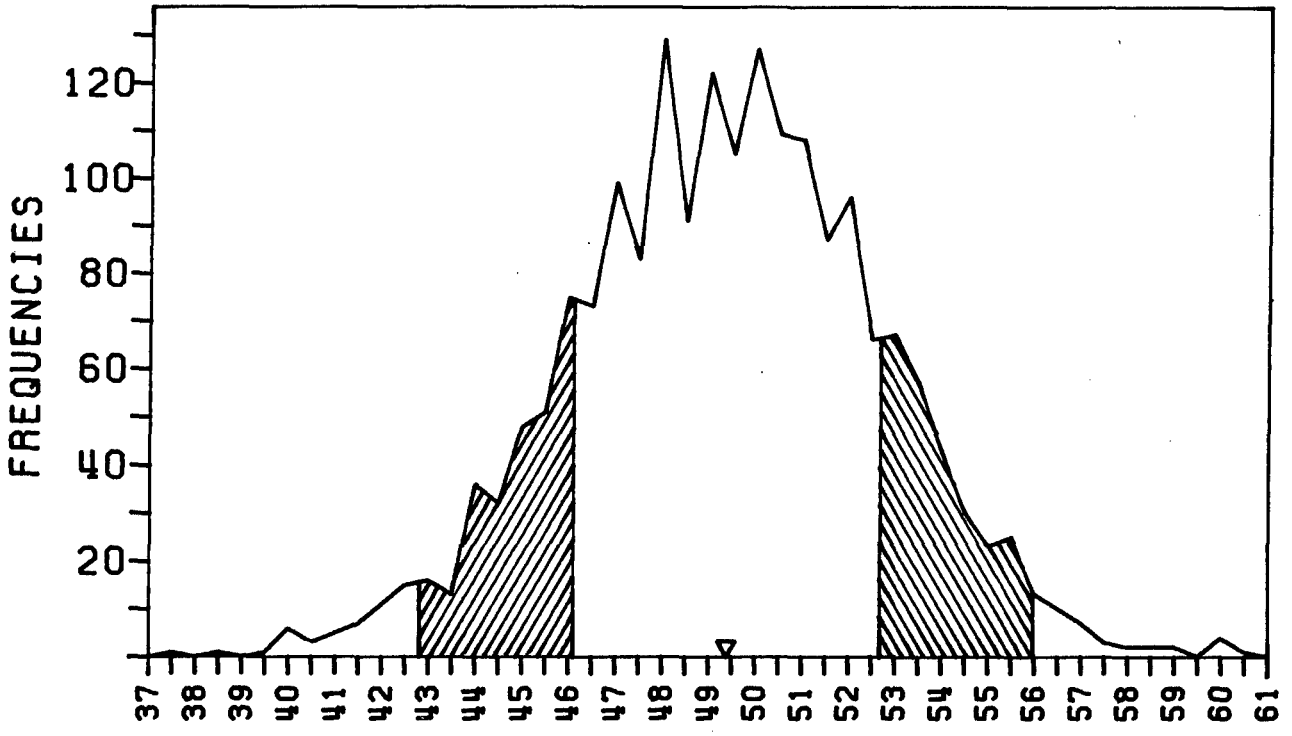
CENTIMETERS		INCHES
41.03	99TH	16.15
40.29	98TH	15.86
39.83	97TH	15.68
39.19	95TH	15.43
38.23	90TH	15.05
37.58	85TH	14.80
37.08	80TH	14.60
36.64	75TH	14.43
36.26	70TH	14.28
35.91	65TH	14.14
35.58	60TH	14.01
35.27	55TH	13.88
34.96	50TH	13.76
34.65	45TH	13.64
34.34	40TH	13.52
34.03	35TH	13.40
33.70	30TH	13.27
33.35	25TH	13.13
32.96	20TH	12.97
32.51	15TH	12.80
31.96	10TH	12.58
31.16	5TH	12.27
30.65	3RD	12.07
30.27	2ND	11.92
29.70	1ST	11.69

(83) INTERSCYE CURVATURE, MAXIMUM

Subject stands, torso bent forward from the waist at an angle of about 90 degrees and arms hanging relaxed. With a tape, measure the surface distance across the back between the posterior scye-point landmarks.







RANGES*	F	CUMF	FPCT	CUMPCT
60.25- 60.75	1	1905	0.05	100.00
59.75- 60.25	4	1904	0.21	99.95
59.25- 59.75	0	1900	0.00	99.74
58.75- 59.25	2	1900	0.10	99.74
58.25- 58.75	2	1898	0.10	99.63
57.75- 58.25	2	1896	0.10	99.53
57.25- 57.75	3	1894	0.16	99.42
56.75- 57.25	7	1891	0.37	99.27
56.25- 56.75	10	1884	0.52	98.90
55.75- 56.25	13	1874	0.68	98.37
55.25- 55.75	25	1861	1.31	97.69
54.75- 55.25	23	1836	1.21	96.38
54.25- 54.75	30	1813	1.57	95.17
53.75- 54.25	43	1783	2.26	93.60
53.25- 53.75	57	1740	2.99	91.34
52.75- 53.25	67	1683	3.52	88.35
52.25- 52.75	66	1616	3.46	84.83
51.75- 52.25	96	1550	5.04	81.36
51.25- 51.75	87	1454	4.57	76.33
50.75- 51.25	108	1367	5.67	71.76
50.25- 50.75	109	1259	5.72	66.09
49.75- 50.25	127	1150	6.67	60.37
49.25- 49.75	105	1023	5.51	53.70
48.75- 49.25	122	918	6.40	48.19
48.25- 48.75	91	796	4.78	41.78
47.75- 48.25	129	705	6.77	37.01
47.25- 47.75	83	576	4.36	30.24
46.75- 47.25	99	493	5.20	25.88
46.25- 46.75	73	394	3.83	20.68
45.75- 46.25	75	321	3.94	16.85
45.25- 45.75	51	246	2.68	12.91
44.75- 45.25	48	195	2.52	10.24
44.25- 44.75	32	147	1.68	7.72
43.75- 44.25	36	115	1.89	6.04
43.25- 43.75	13	79	0.68	4.15
42.75- 43.25	16	66	0.84	3.46
42.25- 42.75	15	50	0.79	2.62
41.75- 42.25	11	35	0.58	1.84
41.25- 41.75	7	24	0.37	1.26
40.75- 41.25	5	17	0.26	0.89
40.25- 40.75	3	12	0.16	0.63
39.75- 40.25	6	9	0.31	0.47
39.25- 39.75	1	3	0.05	0.16
38.75- 39.25	0	2	0.00	0.10
38.25- 38.75	1	2	0.05	0.10
37.75- 38.25	0	1	0.00	0.05
37.25- 37.75	1	1	0.05	0.05

*IN CENTIMETERS

CENTIMETERS		INCHES
49.39	MEAN VALUE	19.45
0.08	SE(MEAN)	0.03
3.29	SD DEVIATION	1.29
0.05	SE(SD DEV)	0.02

****

SYMMETRY---VETA I = -0.05
KURTOSIS---VETA II = 3.15
COEF. OF VARIATION = 6.6%

****

NUMBER OF SUBJECTS = 1905

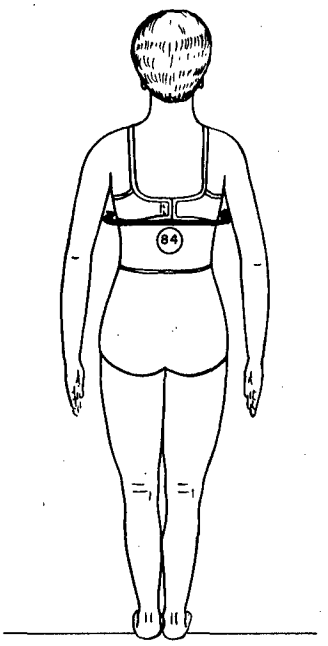
****

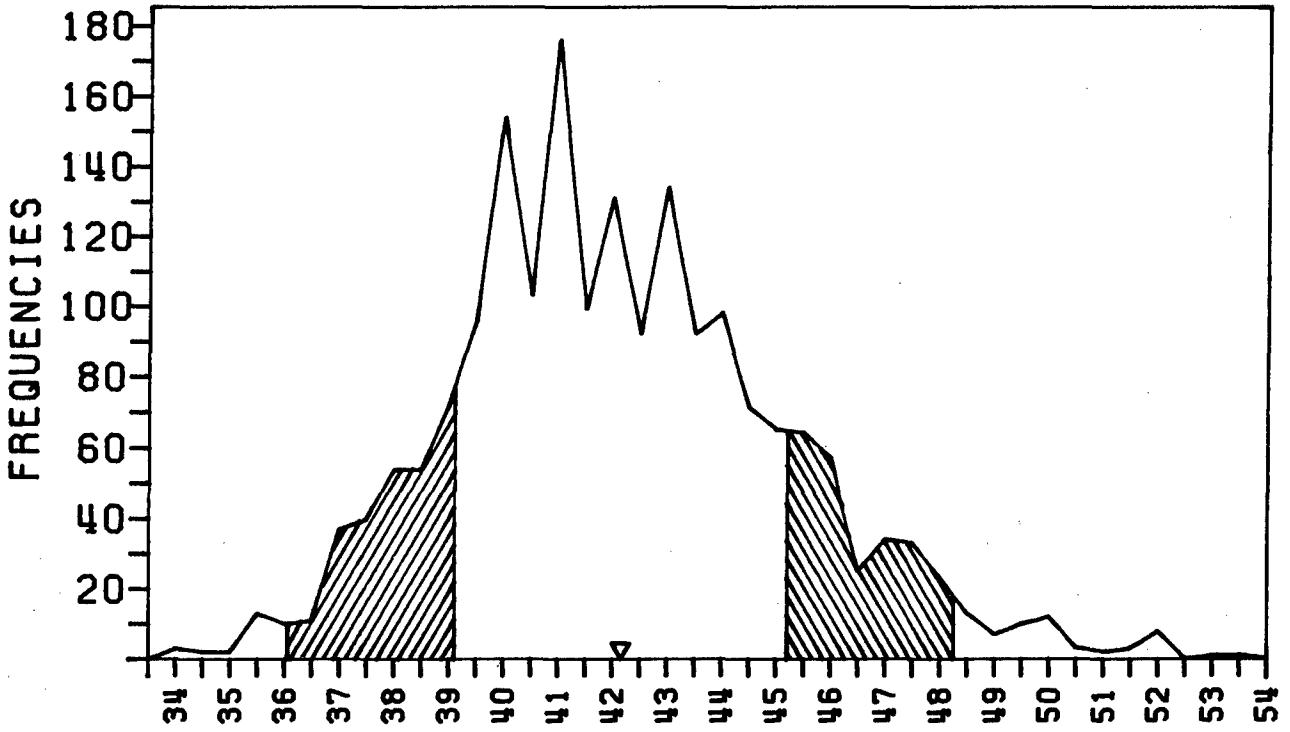
THE PERCENTILES

CENTIMETERS		INCHES
56.87	99TH	22.39
56.01	98TH	22.05
55.46	97TH	21.84
54.71	95TH	21.54
53.54	90TH	21.08
52.75	85TH	20.77
52.12	80TH	20.52
51.58	75TH	20.31
51.10	70TH	20.12
50.65	65TH	19.94
50.23	60TH	19.77
49.82	55TH	19.61
49.41	50TH	19.45
49.00	45TH	19.29
48.59	40TH	19.13
48.16	35TH	18.96
47.70	30TH	18.78
47.21	25TH	18.59
46.65	20TH	18.37
46.00	15TH	18.11
45.17	10TH	17.78
43.90	5TH	17.28
43.04	3RD	16.95
42.40	2ND	16.69
41.36	1ST	16.28

(84) BACK CURVATURE

Subject stands erect with hands on hips. With a tape held in a horizontal plane, measure the distance across the back between the mid-axillary landmarks at the level of the bustpoint landmarks.





RANGES*	F	CUMF	FPCT	CUMPCT
53.25- 53.75	1	1905	0.05	100.00
52.75- 53.25	1	1904	0.05	99.95
52.25- 52.75	0	1903	0.00	99.90
51.75- 52.25	8	1903	0.42	99.90
51.25- 51.75	3	1895	0.16	99.48
50.75- 51.25	2	1892	0.10	99.32
50.25- 50.75	3	1890	0.16	99.21
49.75- 50.25	12	1887	0.63	99.06
49.25- 49.75	10	1875	0.52	98.43
48.75- 49.25	7	1865	0.37	97.90
48.25- 48.75	13	1858	0.68	97.53
47.75- 48.25	23	1845	1.21	96.85
47.25- 47.75	33	1822	1.73	95.64
46.75- 47.25	34	1789	1.78	93.91
46.25- 46.75	25	1755	1.31	92.13
45.75- 46.25	57	1730	2.99	90.81
45.25- 45.75	64	1673	3.36	87.82
44.75- 45.25	65	1609	3.41	84.46
44.25- 44.75	71	1544	3.73	81.05
43.75- 44.25	98	1473	5.14	77.32
43.25- 43.75	92	1375	4.83	72.18
42.75- 43.25	134	1283	7.03	67.35
42.25- 42.75	92	1149	4.83	60.31
41.75- 42.25	131	1057	6.88	55.49
41.25- 41.75	99	926	5.20	48.61
40.75- 41.25	176	827	9.24	43.41
40.25- 40.75	103	651	5.41	34.17
39.75- 40.25	154	548	8.08	28.77
39.25- 39.75	96	394	5.04	20.68
38.75- 39.25	72	298	3.78	15.64
38.25- 38.75	54	226	2.83	11.86
37.75- 38.25	54	172	2.83	9.03
37.25- 37.75	40	118	2.10	6.19
36.75- 37.25	37	78	1.94	4.09
36.25- 36.75	11	41	0.58	2.15
35.75- 36.25	10	30	0.52	1.57
35.25- 35.75	13	20	0.68	1.05
34.75- 35.25	2	7	0.10	0.37
34.25- 34.75	2	5	0.10	0.26
33.75- 34.25	3	3	0.16	0.16

*IN CENTIMETERS

CENTIMETERS		INCHES
42.15	MEAN VALUE	16.59
0.07	SE(MEAN)	0.03
3.05	SD DEVIATION	1.20
0.05	SE(SD DEV)	0.02

****

SYMMETRY---VETA I = 0.44
KURTOSIS---VETA II = 3.28
COEF. OF VARIATION = 7.2%

****

NUMBER OF SUBJECTS = 1905

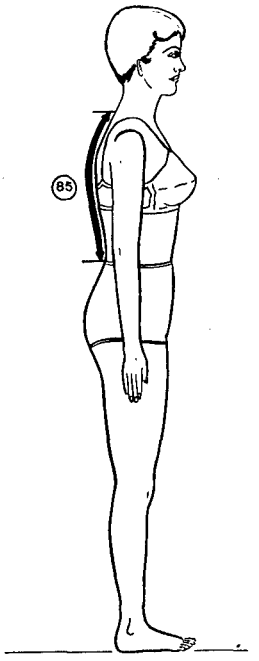
****

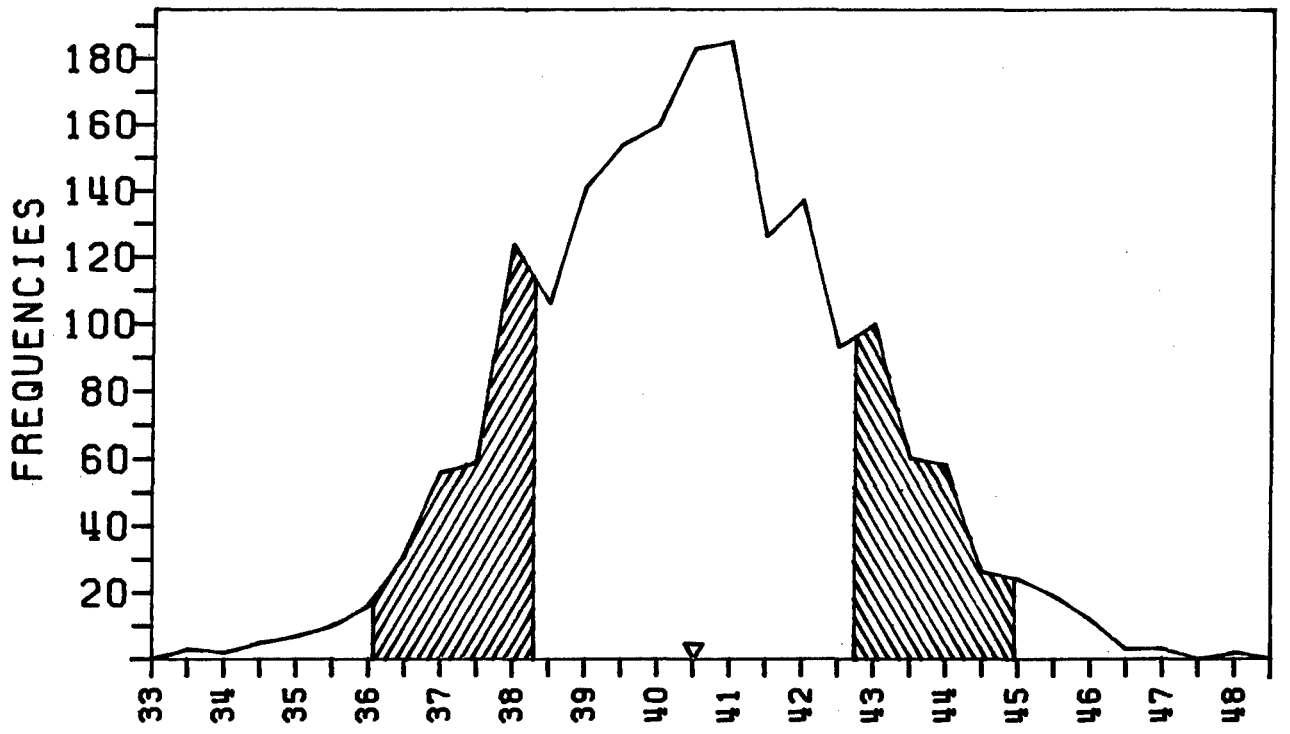
THE PERCENTILES

CENTIMETERS		INCHES
50.25	99TH	19.78
49.17	98TH	19.36
48.49	97TH	19.09
47.57	95TH	18.73
46.18	90TH	18.18
45.28	85TH	17.83
44.59	80TH	17.55
44.01	75TH	17.33
43.51	70TH	17.13
43.06	65TH	16.95
42.64	60TH	16.79
42.25	55TH	16.63
41.87	50TH	16.48
41.50	45TH	16.34
41.14	40TH	16.20
40.77	35TH	16.05
40.40	30TH	15.91
40.00	25TH	15.75
39.57	20TH	15.58
39.08	15TH	15.39
38.47	10TH	15.15
37.57	5TH	14.79
36.97	3RD	14.56
36.51	2ND	14.38
35.75	1ST	14.07

(85) WAIST BACK

Subject stands erect with head in the Frankfort plane. With a tape, measure the surface distance along the spine from the cervicale landmark to the posterior waist landmark.





RANGES*	F	CUMF	FPCT	CUMPCT
47.75- 48.25	2	1905	0.10	100.00
47.25- 47.75	0	1903	0.00	99.90
46.75- 47.25	3	1903	0.16	99.90
46.25- 46.75	3	1900	0.16	99.74
45.75- 46.25	12	1897	0.63	99.58
45.25- 45.75	19	1885	1.00	98.95
44.75- 45.25	24	1866	1.26	97.95
44.25- 44.75	26	1842	1.36	96.69
43.75- 44.25	58	1816	3.04	95.33
43.25- 43.75	60	1758	3.15	92.28
42.75- 43.25	100	1698	5.25	89.13
42.25- 42.75	93	1598	4.88	83.88
41.75- 42.25	137	1505	7.19	79.00
41.25- 41.75	126	1368	6.61	71.81
40.75- 41.25	185	1242	9.71	65.20
40.25- 40.75	183	1057	9.61	55.49
39.75- 40.25	160	874	8.40	45.88
39.25- 39.75	154	714	8.08	37.48
38.75- 39.25	141	560	7.40	29.40
38.25- 38.75	106	419	5.56	21.99
37.75- 38.25	124	313	6.51	16.43
37.25- 37.75	59	189	3.10	9.92
36.75- 37.25	56	130	2.94	6.82
36.25- 36.75	31	74	1.63	3.88
35.75- 36.25	16	43	0.84	2.26
35.25- 35.75	10	27	0.52	1.42
34.75- 35.25	7	17	0.37	0.89
34.25- 34.75	5	10	0.26	0.52
33.75- 34.25	2	5	0.10	0.26
33.25- 33.75	3	3	0.16	0.16

*IN CENTIMETERS

CENTIMETERS		INCHES
40.51	MEAN VALUE	15.95
0.05	SE(MEAN)	0.02
2.22	SD DEVIATION	0.87
0.04	SE(SD DEV)	0.01

****

SYMMETRY---VETA I = 0.10
KURTOSIS---VETA II = 3.00
COEF. OF VARIATION = 5.5%

****

NUMBER OF SUBJECTS = 1905

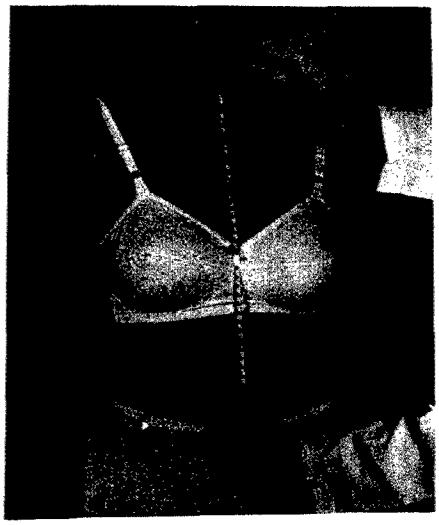
****

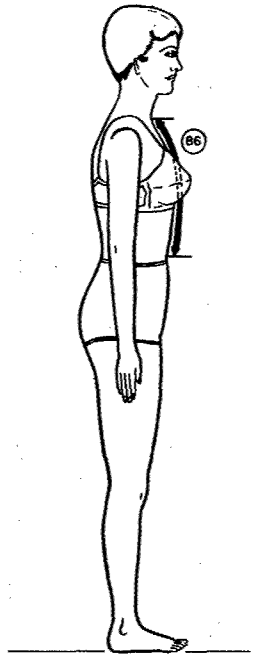
THE PERCENTILES

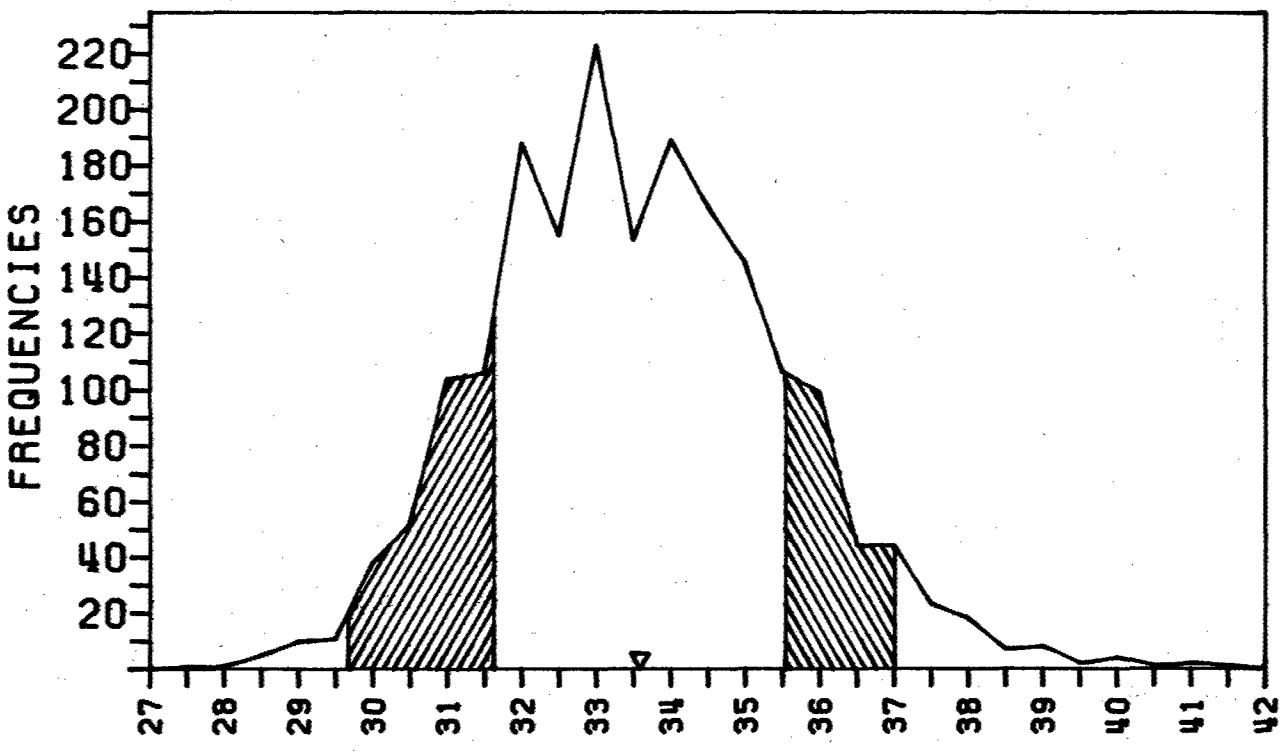
CENTIMETERS		INCHES
45.82	99TH	18.04
45.22	98TH	17.80
44.83	97TH	17.65
44.28	95TH	17.43
43.41	90TH	17.09
42.82	85TH	16.86
42.36	80TH	16.68
41.96	75TH	16.52
41.61	70TH	16.38
41.29	65TH	16.26
40.99	60TH	16.14
40.70	55TH	16.03
40.42	50TH	15.91
40.15	45TH	15.81
39.87	40TH	15.70
39.59	35TH	15.59
39.29	30TH	15.47
38.98	25TH	15.34
38.63	20TH	15.21
38.22	15TH	15.05
37.71	10TH	14.85
36.95	5TH	14.55
36.44	3RD	14.35
36.05	2ND	14.19
35.40	1ST	13.94

(86) ANTERIOR WAIST LENGTH

Subject stands erect looking straight ahead. With a tape, measure the surface distance from the anterior neck landmark to the anterior waist landmark.







RANGES*	F	CUMF	FPCT	CUMPCT
41.25- 41.75	1	1905	0.05	100.00
40.75- 41.25	2	1904	0.10	99.95
40.25- 40.75	1	1902	0.05	99.84
39.75- 40.25	4	1901	0.21	99.79
39.25- 39.75	2	1897	0.10	99.58
38.75- 39.25	8	1895	0.42	99.48
38.25- 38.75	7	1887	0.37	99.06
37.75- 38.25	18	1880	0.94	98.69
37.25- 37.75	23	1862	1.21	97.74
36.75- 37.25	44	1839	2.31	96.54
36.25- 36.75	44	1795	2.31	94.23
35.75- 36.25	99	1751	5.20	91.92
35.25- 35.75	106	1652	5.56	86.72
34.75- 35.25	145	1546	7.61	81.15
34.25- 34.75	165	1401	8.66	73.54
33.75- 34.25	189	1236	9.92	64.88
33.25- 33.75	153	1047	8.03	54.96
32.75- 33.25	223	894	11.71	46.93
32.25- 32.75	155	671	8.14	35.22
31.75- 32.25	188	516	9.87	27.09
31.25- 31.75	106	328	5.56	17.22
30.75- 31.25	104	222	5.46	11.65
30.25- 30.75	52	118	2.73	6.19
29.75- 30.25	38	66	1.99	3.46
29.25- 29.75	11	28	0.58	1.47
28.75- 29.25	10	17	0.52	0.89
28.25- 28.75	5	7	0.26	0.37
27.75- 28.25	1	2	0.05	0.10
27.25- 27.75	1	1	0.05	0.05

*IN CENTIMETERS

CENTIMETERS		INCHES
33.58	MEAN VALUE	13.22
0.04	SE(MEAN)	0.02
1.96	SD DEVIATION	0.77
0.03	SE(SD DEV)	0.01

****

SYMMETRY---VETA I = 0.31
KURTOSIS---VETA II = 3.24
COEF. OF VARIATION = 5.8%

****

NUMBER OF SUBJECTS = 1905

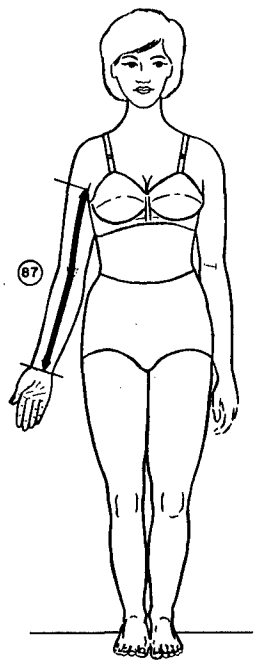
****

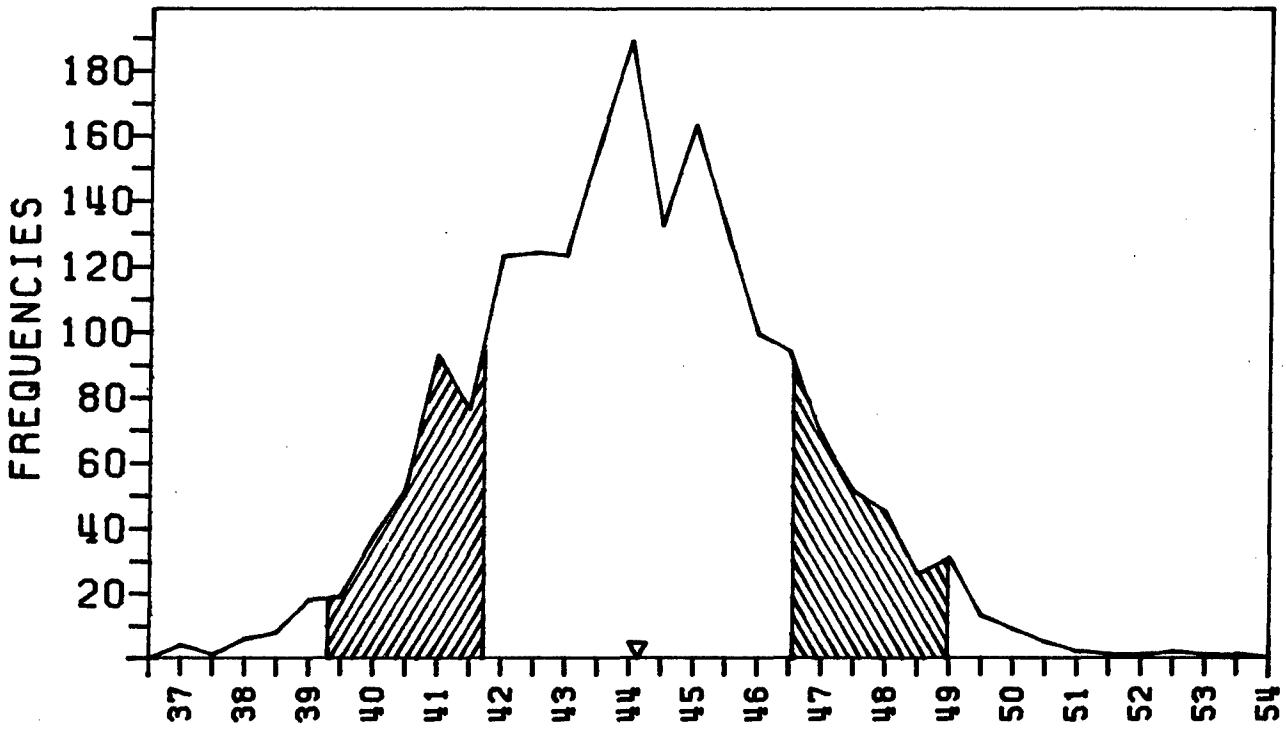
THE PERCENTILES

CENTIMETERS		INCHES
38.62	99TH	15.20
37.92	98TH	14.93
37.49	97TH	14.76
36.93	95TH	14.54
36.11	90TH	14.22
35.57	85TH	14.00
35.16	80TH	13.84
34.81	75TH	13.70
34.50	70TH	13.58
34.22	65TH	13.47
33.96	60TH	13.37
33.71	55TH	13.27
33.47	50TH	13.18
33.22	45TH	13.08
32.98	40TH	12.98
32.73	35TH	12.89
32.47	30TH	12.79
32.20	25TH	12.68
31.89	20TH	12.56
31.54	15TH	12.42
31.11	10TH	12.25
30.49	5TH	12.00
30.10	3RD	11.85
29.83	2ND	11.74
29.41	1ST	11.58

(87) SLEEVE INSEAM

Subject stands, right arm slightly abducted and palm forward. With a tape, measure the distance from the right anterior, scye-point landmark to the ulnar side of the right wrist landmark. The tape is held tense and does not follow the surface contour of the arm.





RANGES*	F	CUMF	FPCT	CUMPCT
53.25- 53.75	1	1905	0.05	100.00
52.75- 53.25	1	1904	0.05	99.95
52.25- 52.75	2	1903	0.10	99.90
51.75- 52.25	1	1901	0.05	99.79
51.25- 51.75	1	1900	0.05	99.74
50.75- 51.25	2	1899	0.10	99.69
50.25- 50.75	5	1897	0.26	99.58
49.75- 50.25	9	1892	0.47	99.32
49.25- 49.75	13	1883	0.68	98.85
48.75- 49.25	31	1870	1.63	98.16
48.25- 48.75	26	1839	1.36	96.54
47.75- 48.25	45	1813	2.36	95.17
47.25- 47.75	51	1768	2.68	92.81
46.75- 47.25	68	1717	3.57	90.13
46.25- 46.75	94	1649	4.93	86.56
45.75- 46.25	99	1555	5.20	81.63
45.25- 45.75	131	1456	6.88	76.43
44.75- 45.25	163	1325	8.56	69.55
44.25- 44.75	132	1162	6.93	61.00
43.75- 44.25	189	1030	9.92	54.07
43.25- 43.75	157	841	8.24	44.15
42.75- 43.25	123	684	6.46	35.91
42.25- 42.75	124	561	6.51	29.45
41.75- 42.25	123	437	6.46	22.94
41.25- 41.75	76	314	3.99	16.48
40.75- 41.25	93	238	4.88	12.49
40.25- 40.75	52	145	2.73	7.61
39.75- 40.25	37	93	1.94	4.88
39.25- 39.75	19	56	1.00	2.94
38.75- 39.25	18	37	0.94	1.94
38.25- 38.75	8	19	0.42	1.00
37.75- 38.25	6	11	0.31	0.58
37.25- 37.75	1	5	0.05	0.26
36.75- 37.25	4	4	0.21	0.21

*IN CENTIMETERS

CENTIMETERS		INCHES
44.13	MEAN VALUE	17.37
0.06	SE(MEAN)	0.02
2.42	SD DEVIATION	0.95
0.04	SE(SD DEV)	0.02

****

SYMMETRY---VETA I = 0.16
KURTOSIS---VETA II = 3.10
COEF. OF VARIATION = 5.5%

****

NUMBER OF SUBJECTS = 1905

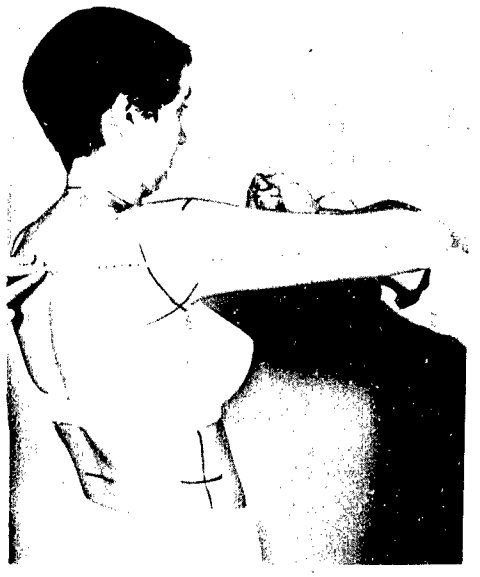
****

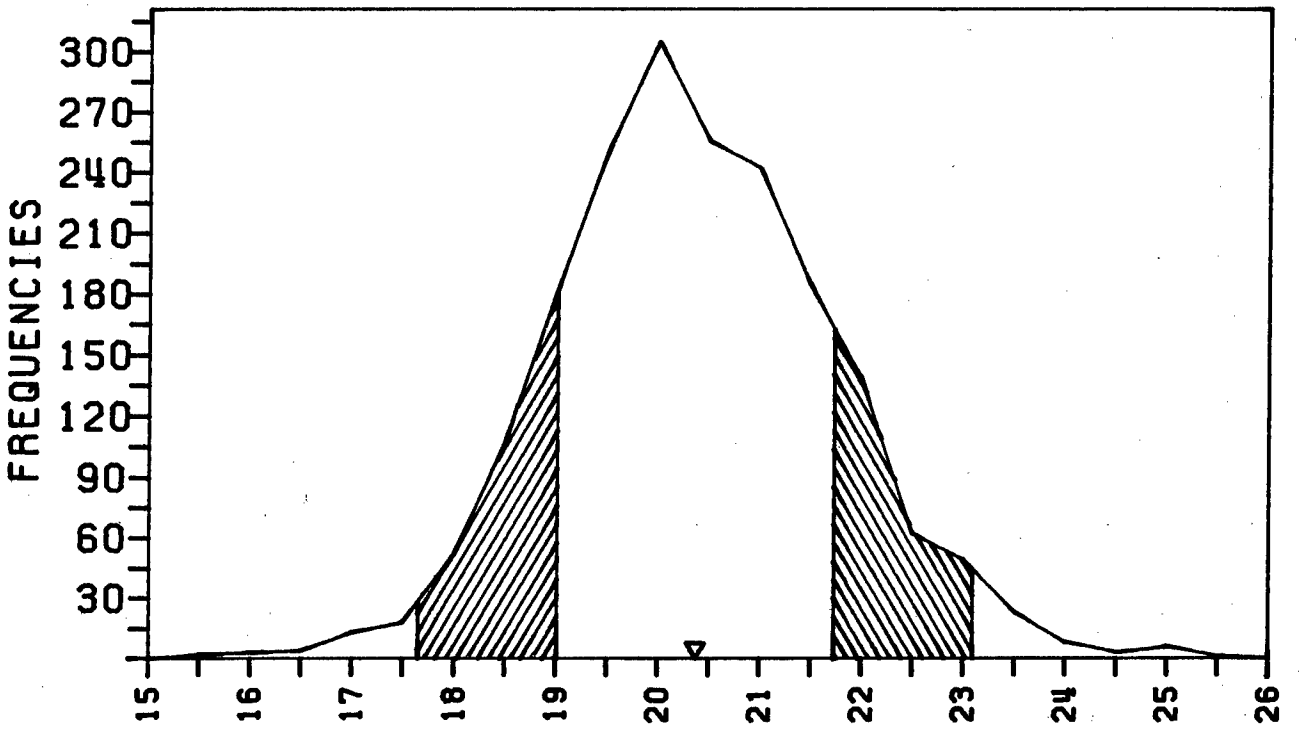
THE PERCENTILES

CENTIMETERS		INCHES
49.94	99TH	19.66
49.24	98TH	19.39
48.79	97TH	19.21
48.18	95TH	18.97
47.24	90TH	18.60
46.62	85TH	18.35
46.12	80TH	18.16
45.70	75TH	17.99
45.32	70TH	17.84
44.98	65TH	17.71
44.66	60TH	17.58
44.34	55TH	17.46
44.04	50TH	17.34
43.73	45TH	17.22
43.43	40TH	17.10
43.12	35TH	16.97
42.79	30TH	16.85
42.44	25TH	16.71
42.05	20TH	16.55
41.60	15TH	16.38
41.05	10TH	16.16
40.23	5TH	15.84
39.71	3RD	15.64
39.33	2ND	15.49
38.74	1ST	15.25

(88) SPINE-TO-SCYE LENGTH (SLEEVE LENGTH SEGMENT)

Subject stands, arms horizontal, elbows flexed about 60 degrees, fists clenched and touching. A tape with its zero point on the midline of the spine is passed horizontally around the right shoulder and over the tip of the elbow to the wrist landmark. Measure the surface distance from the spine to the posterior vertical-scye landmark.





RANGES*	F	CUMF	FPCT	CUMPCT
25.25- 25.75	1	1905	0.05	100.00
24.75- 25.25	6	1904	0.31	99.95
24.25- 24.75	3	1898	0.16	99.63
23.75- 24.25	8	1895	0.42	99.48
23.25- 23.75	23	1887	1.21	99.06
22.75- 23.25	49	1864	2.57	97.85
22.25- 22.75	62	1815	3.25	95.28
21.75- 22.25	138	1753	7.24	92.02
21.25- 21.75	184	1615	9.66	84.78
20.75- 21.25	242	1431	12.70	75.12
20.25- 20.75	255	1189	13.39	62.41
19.75- 20.25	305	934	16.01	49.03
19.25- 19.75	250	629	13.12	33.02
18.75- 19.25	180	379	9.45	19.90
18.25- 18.75	107	199	5.62	10.45
17.75- 18.25	52	92	2.73	4.83
17.25- 17.75	18	40	0.94	2.10
16.75- 17.25	13	22	0.68	1.15
16.25- 16.75	4	9	0.21	0.47
15.75- 16.25	3	5	0.16	0.26
15.25- 15.75	2	2	0.10	0.10

*IN CENTIMETERS

CENTIMETERS		INCHES
20.37	MEAN VALUE	8.02
0.03	SE(MEAN)	0.01
1.36	SD DEVIATION	0.53
0.02	SE(SD DEV)	0.01

****

SYMMETRY---VETA I = 0.16
KURTOSIS---VETA II = 3.43
COEF. OF VARIATION = 6.7%

****

NUMBER OF SUBJECTS = 1905

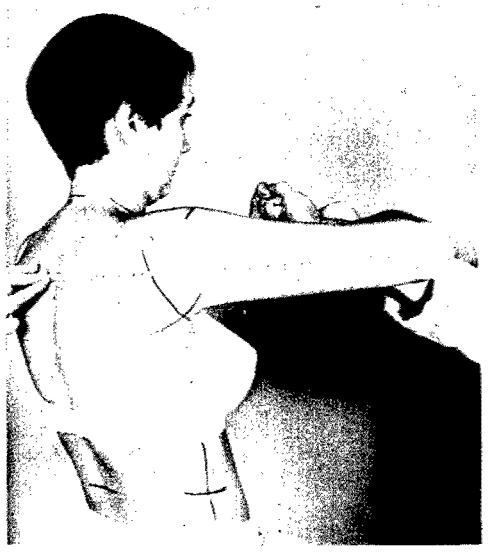
****

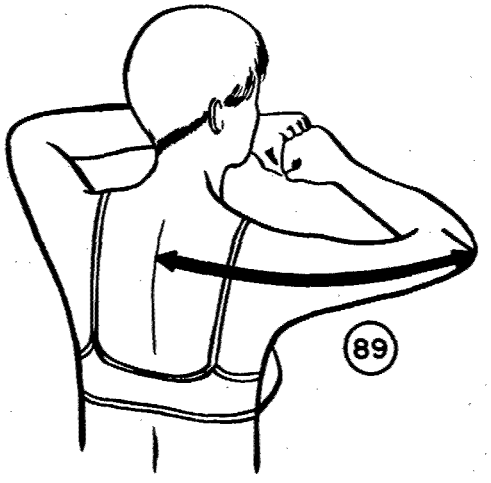
THE PERCENTILES

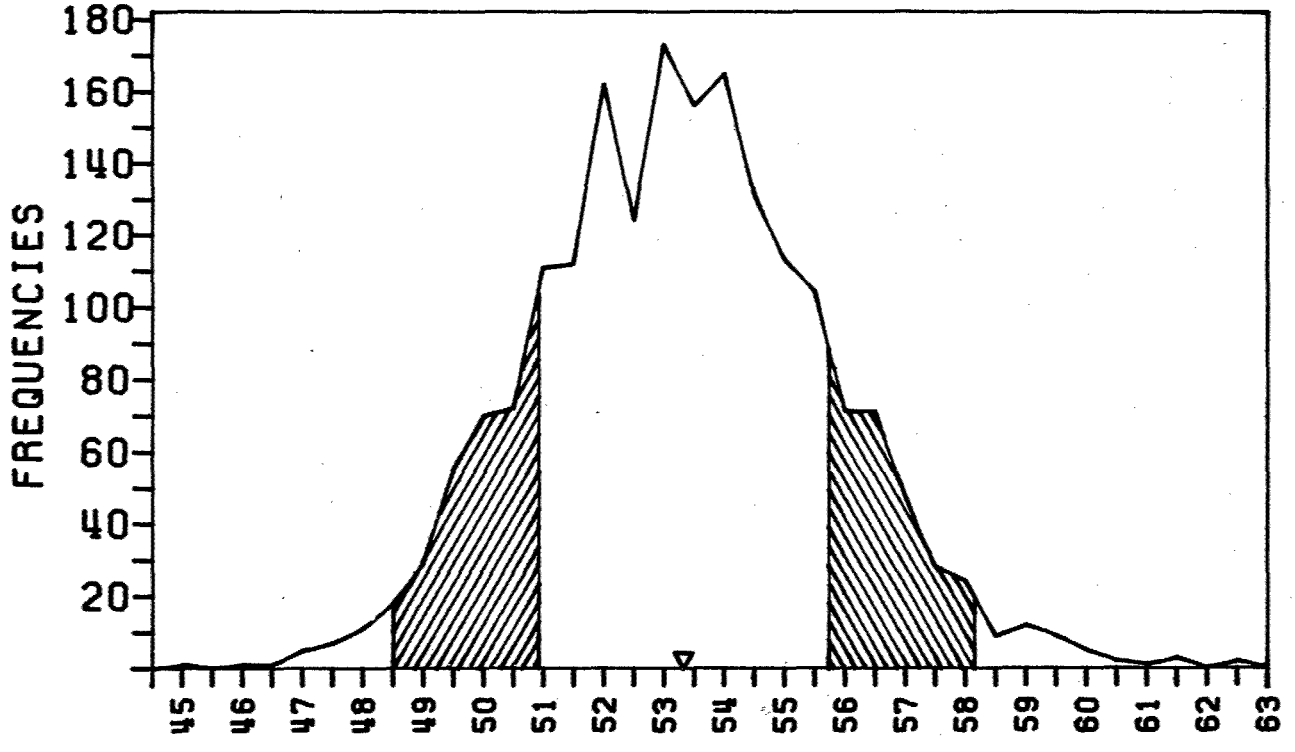
CENTIMETERS		INCHES
23.71	99TH	9.34
23.33	98TH	9.18
23.07	97TH	9.08
22.71	95TH	8.94
22.15	90TH	8.72
21.78	85TH	8.57
21.48	80TH	8.46
21.24	75TH	8.36
21.02	70TH	8.28
20.82	65TH	8.20
20.64	60TH	8.13
20.47	55TH	8.06
20.30	50TH	7.99
20.14	45TH	7.93
19.98	40TH	7.86
19.81	35TH	7.80
19.64	30TH	7.73
19.46	25TH	7.66
19.25	20TH	7.58
19.02	15TH	7.49
18.72	10TH	7.37
18.25	5TH	7.18
17.91	3RD	7.05
17.64	2ND	6.95
17.18	1ST	6.76

(89) SPINE-TO-ELBOW LENGTH (SLEEVE LENGTH SEGMENT)

Subject stands, arms horizontal, elbows flexed about 60 degrees, and fists clenched and touching. A tape with its zero point on the midline of the spine is passed horizontally around the right shoulder and over the tip of the elbow to the wrist landmark. Measure the surface distance from the spine to the tip of the elbow.







RANGES*	F	CUMF	FPCT	CUMPCT
62.25- 62.75	2	1905	0.10	100.00
61.75- 62.25	0	1903	0.00	99.90
61.25- 61.75	3	1903	0.16	99.90
60.75- 61.25	1	1900	0.05	99.74
60.25- 60.75	2	1899	0.10	99.69
59.75- 60.25	5	1897	0.26	99.58
59.25- 59.75	9	1892	0.47	99.32
58.75- 59.25	12	1883	0.63	98.85
58.25- 58.75	9	1871	0.47	98.22
57.75- 58.25	24	1862	1.26	97.74
57.25- 57.75	28	1838	1.47	96.48
56.75- 57.25	47	1810	2.47	95.01
56.25- 56.75	71	1763	3.73	92.55
55.75- 56.25	71	1692	3.73	88.82
55.25- 55.75	104	1621	5.46	85.09
54.75- 55.25	113	1517	5.93	79.63
54.25- 54.75	131	1404	6.88	73.70
53.75- 54.25	165	1273	8.66	66.82
53.25- 53.75	156	1108	8.19	58.16
52.75- 53.25	173	952	9.08	49.97
52.25- 52.75	124	779	6.51	40.89
51.75- 52.25	162	655	8.50	34.38
51.25- 51.75	112	493	5.88	25.88
50.75- 51.25	111	381	5.83	20.00
50.25- 50.75	72	270	3.78	14.17
49.75- 50.25	70	198	3.67	10.39
49.25- 49.75	55	128	2.89	6.72
48.75- 49.25	29	73	1.52	3.83
48.25- 48.75	18	44	0.94	2.31
47.75- 48.25	11	26	0.58	1.36
47.25- 47.75	7	15	0.37	0.79
46.75- 47.25	5	8	0.26	0.42
46.25- 46.75	1	3	0.05	0.16
45.75- 46.25	1	2	0.05	0.10
45.25- 45.75	0	1	0.00	0.05
44.75- 45.25	1	1	0.05	0.05

*IN CENTIMETERS

CENTIMETERS		INCHES
53.32	MEAN VALUE	20.99
0.06	SE(MEAN)	0.02
2.41	SD DEVIATION	0.95
0.04	SE(SD DEV)	0.02

****

SYMMETRY---VETA I = 0.18
KURTOSIS---VETA II = 3.22
COEF. OF VARIATION = 4.5%

****

NUMBER OF SUBJECTS = 1905

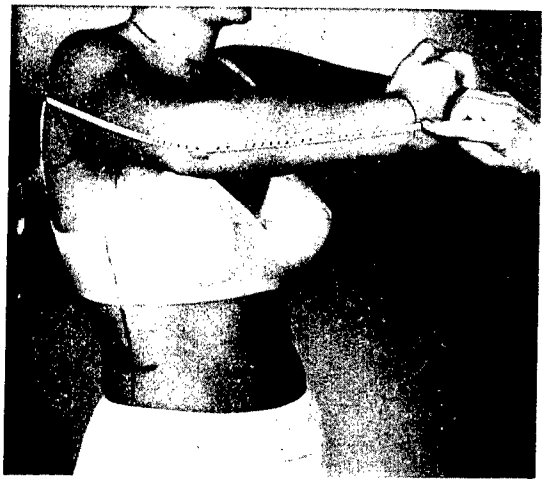
****

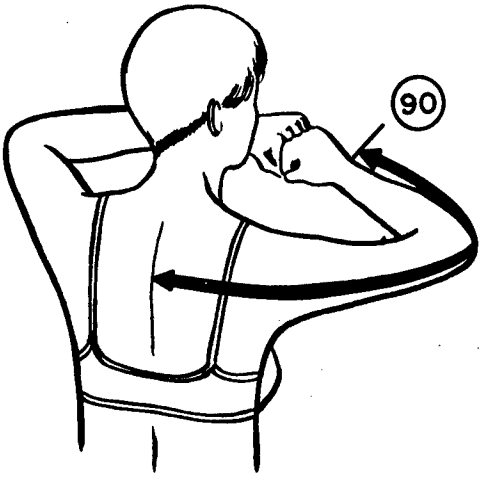
THE PERCENTILES

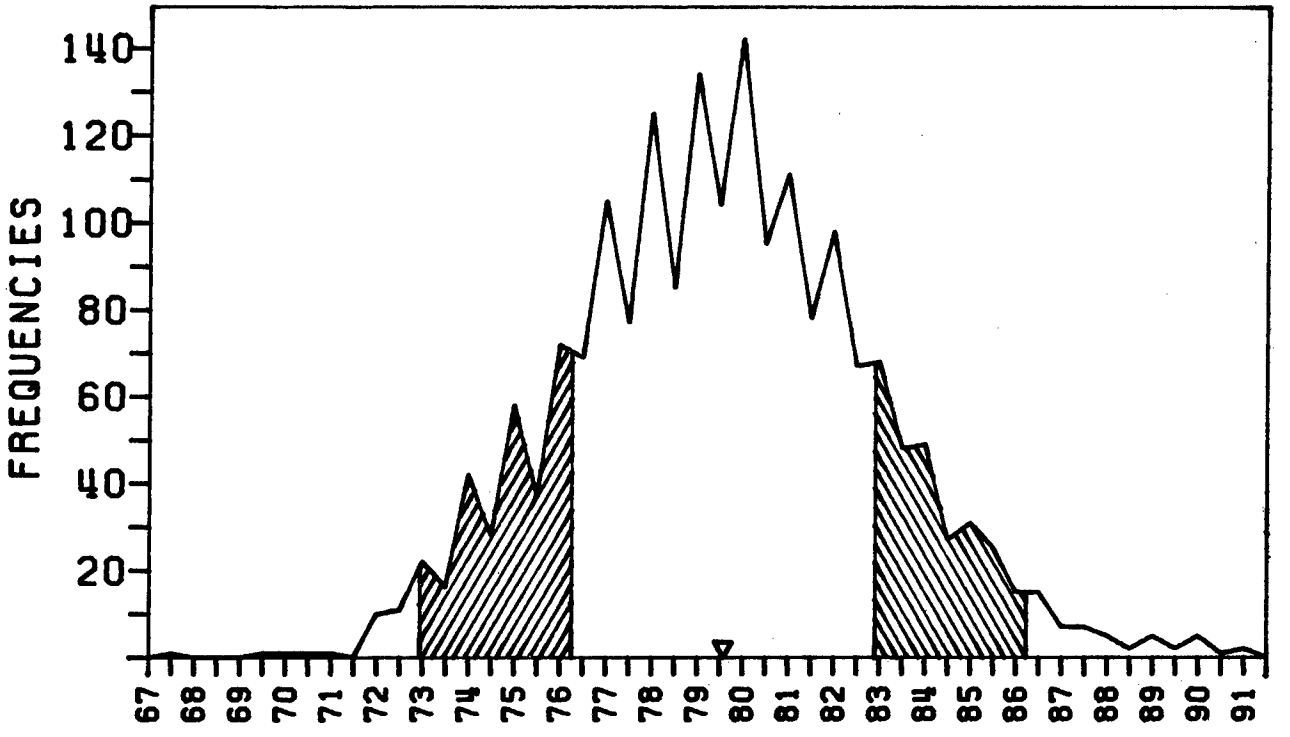
CENTIMETERS		INCHES
59.38	99TH	23.38
58.51	98TH	23.04
57.99	97TH	22.83
57.32	95TH	22.57
56.36	90TH	22.19
55.73	85TH	21.94
55.25	80TH	21.75
54.85	75TH	21.59
54.49	70TH	21.45
54.16	65TH	21.32
53.85	60TH	21.20
53.55	55TH	21.08
53.25	50TH	20.96
52.95	45TH	20.85
52.65	40TH	20.73
52.35	35TH	20.61
52.02	30TH	20.48
51.67	25TH	20.34
51.27	20TH	20.19
50.82	15TH	20.01
50.25	10TH	19.79
49.43	5TH	19.46
48.91	3RD	19.26
48.54	2ND	19.11
47.99	1ST	18.90

(90) SPINE-TO-WRIST LENGTH (SLEEVE LENGTH)

Subject stands, arms horizontal, elbow flexed about 60 degrees, and fists clenched and touching. A tape with its zero point on the midline of the spine is passed horizontally around the right shoulder and over the tip of the elbow to the wrist landmark. Measure the surface distance from the spine to the wrist landmark.







RANGES*	F	CUMF	FPCT	CUMPCT
90.75- 91.25	2	1905	0.10	100.00
90.25- 90.75	1	1903	0.05	99.90
89.75- 90.25	5	1902	0.26	99.84
89.25- 89.75	2	1897	0.10	99.58
88.75- 89.25	5	1895	0.26	99.48
88.25- 88.75	2	1890	0.10	99.21
87.75- 88.25	5	1888	0.26	99.11
87.25- 87.75	7	1883	0.37	98.85
86.75- 87.25	7	1876	0.37	98.48
86.25- 86.75	15	1869	0.79	98.11
85.75- 86.25	15	1854	0.79	97.32
85.25- 85.75	25	1839	1.31	96.54
84.75- 85.25	31	1814	1.63	95.22
84.25- 84.75	27	1783	1.42	93.60
83.75- 84.25	49	1756	2.57	92.18
83.25- 83.75	48	1707	2.52	89.61
82.75- 83.25	68	1659	3.57	87.09
82.25- 82.75	67	1591	3.52	83.52
81.75- 82.25	98	1524	5.14	80.00
81.25- 81.75	78	1426	4.09	74.86
80.75- 81.25	111	1348	5.83	70.76
80.25- 80.75	95	1237	4.99	64.93
79.75- 80.25	142	1142	7.45	59.95
79.25- 79.75	104	1000	5.46	52.49
78.75- 79.25	134	896	7.03	47.03
78.25- 78.75	85	762	4.46	40.00
77.75- 78.25	125	677	6.56	35.54
77.25- 77.75	77	552	4.04	28.98
76.75- 77.25	105	475	5.51	24.93
76.25- 76.75	69	370	3.62	19.42
75.75- 76.25	72	301	3.78	15.80
75.25- 75.75	37	229	1.94	12.02
74.75- 75.25	58	192	3.04	10.08
74.25- 74.75	28	134	1.47	7.03
73.75- 74.25	42	106	2.20	5.56
73.25- 73.75	16	64	0.84	3.36
72.75- 73.25	22	48	1.15	2.52
72.25- 72.75	11	26	0.58	1.36
71.75- 72.25	10	15	0.52	0.79
71.25- 71.75	0	5	0.00	0.26
70.75- 71.25	1	5	0.05	0.26
70.25- 70.75	1	4	0.05	0.21
69.75- 70.25	1	3	0.05	0.16
69.25- 69.75	1	2	0.05	0.10
68.75- 69.25	0	1	0.00	0.05
68.25- 68.75	0	1	0.00	0.05
67.75- 68.25	0	1	0.00	0.05
67.25- 67.75	1	1	0.05	0.05

*IN CENTIMETERS

CENTIMETERS		INCHES
79.58	MEAN VALUE	31.33
0.08	SE(MEAN)	0.03
3.32	SD DEVIATION	1.31
0.05	SE(SD DEV)	0.02

****

SYMMETRY---VETA I = 0.19
KURTOSIS---VETA II = 3.16
COEF. OF VARIATION = 4.2%

****

NUMBER OF SUBJECTS = 1905

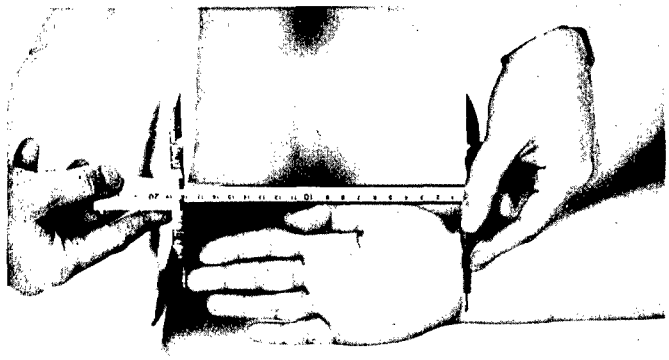
****

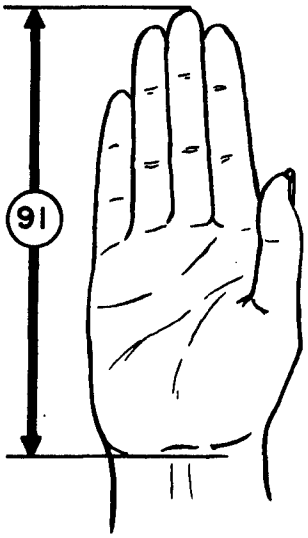
THE PERCENTILES

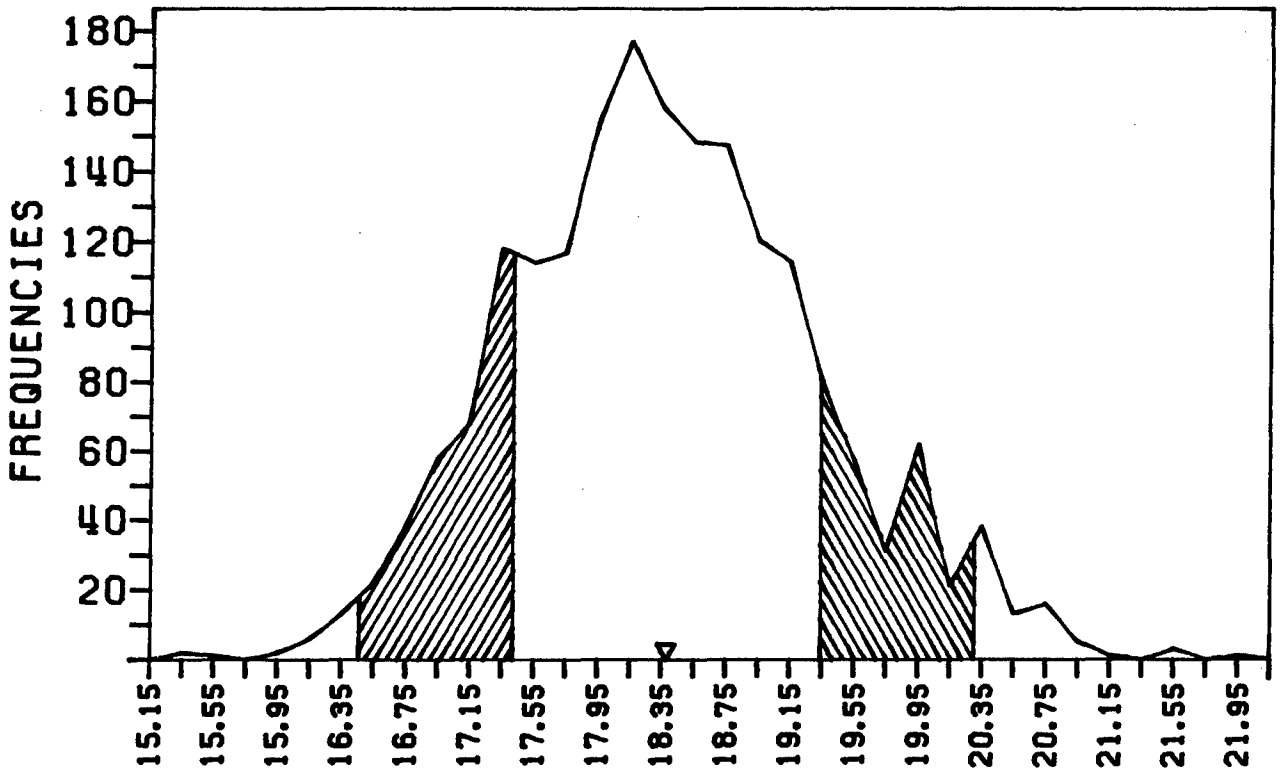
CENTIMETERS		INCHES
88.02	99TH	34.65
86.77	98TH	34.16
86.04	97TH	33.87
85.11	95TH	33.51
83.79	90TH	32.99
82.94	85TH	32.65
82.28	80TH	32.40
81.73	75TH	32.18
81.23	70TH	31.98
80.78	65TH	31.80
80.35	60TH	31.63
79.93	55TH	31.47
79.51	50TH	31.30
79.10	45TH	31.14
78.68	40TH	30.98
78.24	35TH	30.80
77.78	30TH	30.62
77.29	25TH	30.43
76.73	20TH	30.21
76.09	15TH	29.96
75.30	10TH	29.65
74.18	5TH	29.20
73.51	3RD	28.94
73.05	2ND	28.76
72.41	1ST	28.51

(91) HAND LENGTH

Subject sits, right forearm and hand raised with palm up. The fingers are together and straight but not hyper-extended. With the bar of a sliding caliper parallel to the long axis of the hand, measure the distance from the wrist landmark to dactylion.







RANGES*	F	CUMF	FPCT	CUMPCT
21.85- 22.05	1	1905	0.05	100.00
21.65- 21.85	0	1904	0.00	99.95
21.45- 21.65	3	1904	0.16	99.95
21.25- 21.45	0	1901	0.00	99.79
21.05- 21.25	1	1901	0.05	99.79
20.85- 21.05	5	1900	0.26	99.74
20.65- 20.85	16	1895	0.84	99.48
20.45- 20.65	13	1879	0.68	98.64
20.25- 20.45	38	1866	1.99	97.95
20.05- 20.25	21	1828	1.10	95.96
19.85- 20.05	62	1807	3.25	94.86
19.65- 19.85	31	1745	1.63	91.60
19.45- 19.65	57	1714	2.99	89.97
19.25- 19.45	80	1657	4.20	86.98
19.05- 19.25	114	1577	5.98	82.78
18.85- 19.05	120	1463	6.30	76.80
18.65- 18.85	147	1343	7.72	70.50
18.45- 18.65	148	1196	7.77	62.78
18.25- 18.45	158	1048	8.29	55.01
18.05- 18.25	177	890	9.29	46.72
17.85- 18.05	154	713	8.08	37.43
17.65- 17.85	117	559	6.14	29.34
17.45- 17.65	114	442	5.98	23.20
17.25- 17.45	118	328	6.19	17.22
17.05- 17.25	68	210	3.57	11.02
16.85- 17.05	58	142	3.04	7.45
16.65- 16.85	38	84	1.99	4.41
16.45- 16.65	22	46	1.15	2.41
16.25- 16.45	13	24	0.68	1.26
16.05- 16.25	6	11	0.31	0.58
15.85- 16.05	2	5	0.10	0.26
15.65- 15.85	0	3	0.00	0.16
15.45- 15.65	1	3	0.05	0.16
15.25- 15.45	2	2	0.10	0.10

*IN CENTIMETERS

CENTIMETERS		INCHES
18.38	MEAN VALUE	7.24
0.02	SE(MEAN)	0.01
0.96	SD DEVIATION	0.38
0.02	SE(SD DEV)	0.01

****

SYMMETRY---VETA I = 0.25
KURTOSIS---VETA II = 3.01
COEF. OF VARIATION = 5.2%

****

NUMBER OF SUBJECTS = 1905

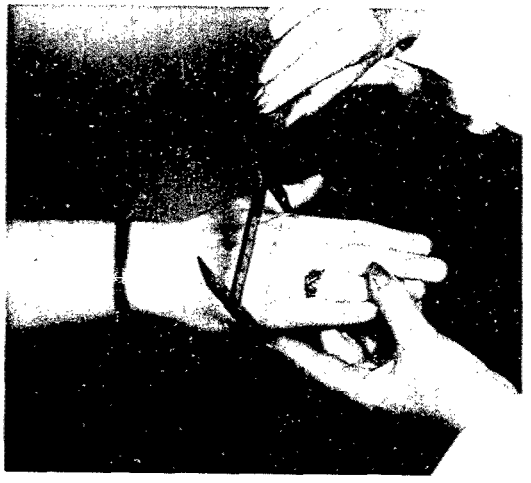
****

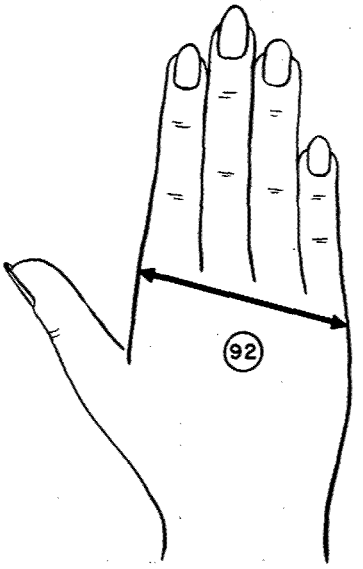
THE PERCENTILES

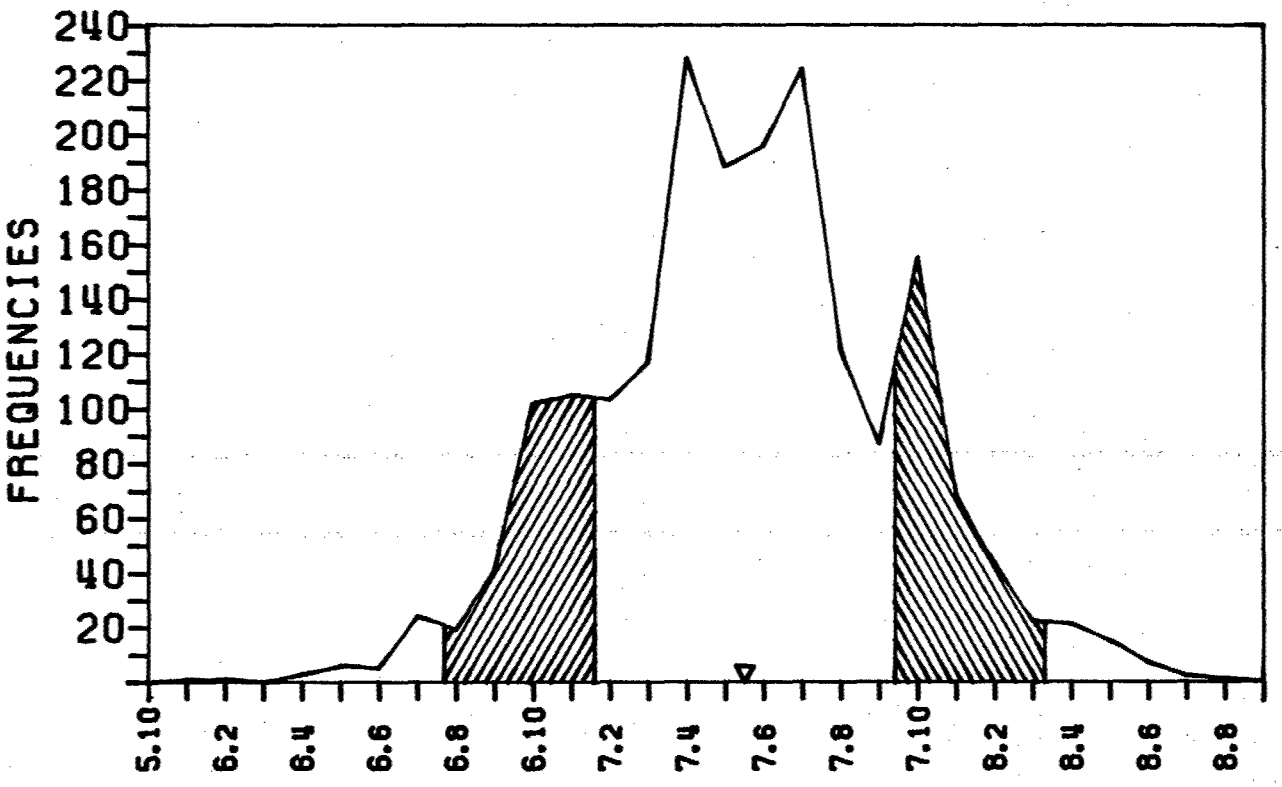
CENTIMETERS		INCHES
20.76	99TH	8.17
20.48	98TH	8.06
20.30	97TH	7.99
20.05	95TH	7.89
19.65	90TH	7.74
19.39	85TH	7.63
19.18	80TH	7.55
19.01	75TH	7.48
18.85	70TH	7.42
18.71	65TH	7.37
18.58	60TH	7.31
18.45	55TH	7.26
18.33	50TH	7.22
18.21	45TH	7.17
18.09	40TH	7.12
17.96	35TH	7.07
17.84	30TH	7.02
17.71	25TH	6.97
17.56	20TH	6.91
17.40	15TH	6.85
17.19	10TH	6.77
16.90	5TH	6.65
16.72	3RD	6.58
16.58	2ND	6.53
16.36	1ST	6.44

(92) HAND BREADTH

Subject sits, right forearm and hand raised with palm down. The fingers are together and straight but not hyper-extended. With a sliding caliper, measure the breadth of the hand between metacarpal-phalangeal joints II and V.







RANGES*		F	CUMF	FPCT	CUMPCT
8.75-	8.85	1	1905	0.05	100.00
8.65-	8.75	2	1904	0.10	99.95
8.55-	8.65	7	1902	0.37	99.84
8.45-	8.55	15	1895	0.79	99.48
8.35-	8.45	21	1880	1.10	98.69
8.25-	8.35	22	1859	1.15	97.59
8.15-	8.25	43	1837	2.26	96.43
8.05-	8.15	68	1794	3.57	94.17
7.95-	8.05	155	1726	8.14	90.60
7.85-	7.95	87	1571	4.57	82.47
7.75-	7.85	121	1484	6.35	77.90
7.65-	7.75	224	1363	11.76	71.55
7.55-	7.65	196	1139	10.29	59.79
7.45-	7.55	188	943	9.87	49.50
7.35-	7.45	228	755	11.97	39.63
7.25-	7.35	117	527	6.14	27.66
7.15-	7.25	103	410	5.41	21.52
7.05-	7.15	105	307	5.51	16.12
6.95-	7.05	102	202	5.35	10.60
6.85-	6.95	41	100	2.15	5.25
6.75-	6.85	19	59	1.00	3.10
6.65-	6.75	24	40	1.26	2.10
6.55-	6.65	5	16	0.26	0.84
6.45-	6.55	6	11	0.31	0.58
6.35-	6.45	3	5	0.16	0.26
6.25-	6.35	0	2	0.00	0.10
6.15-	6.25	1	2	0.05	0.10
6.05-	6.15	1	1	0.05	0.05

*IN CENTIMETERS

CENTIMETERS		INCHES
7.55	MEAN VALUE	2.97
0.01	SE(MEAN)	0.00
0.39	SD DEVIATION	0.15
0.01	SE(SD DEV)	0.00

****

SYMMETRY---VETA I = -0.01
KURTOSIS---VETA II = 3.03
COEF. OF VARIATION = 5.1%

****

NUMBER OF SUBJECTS = 1905

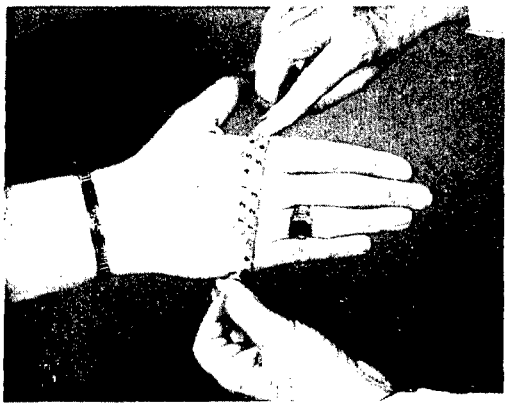
****

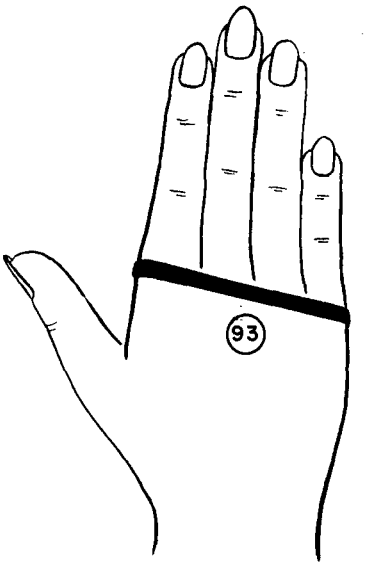
THE PERCENTILES

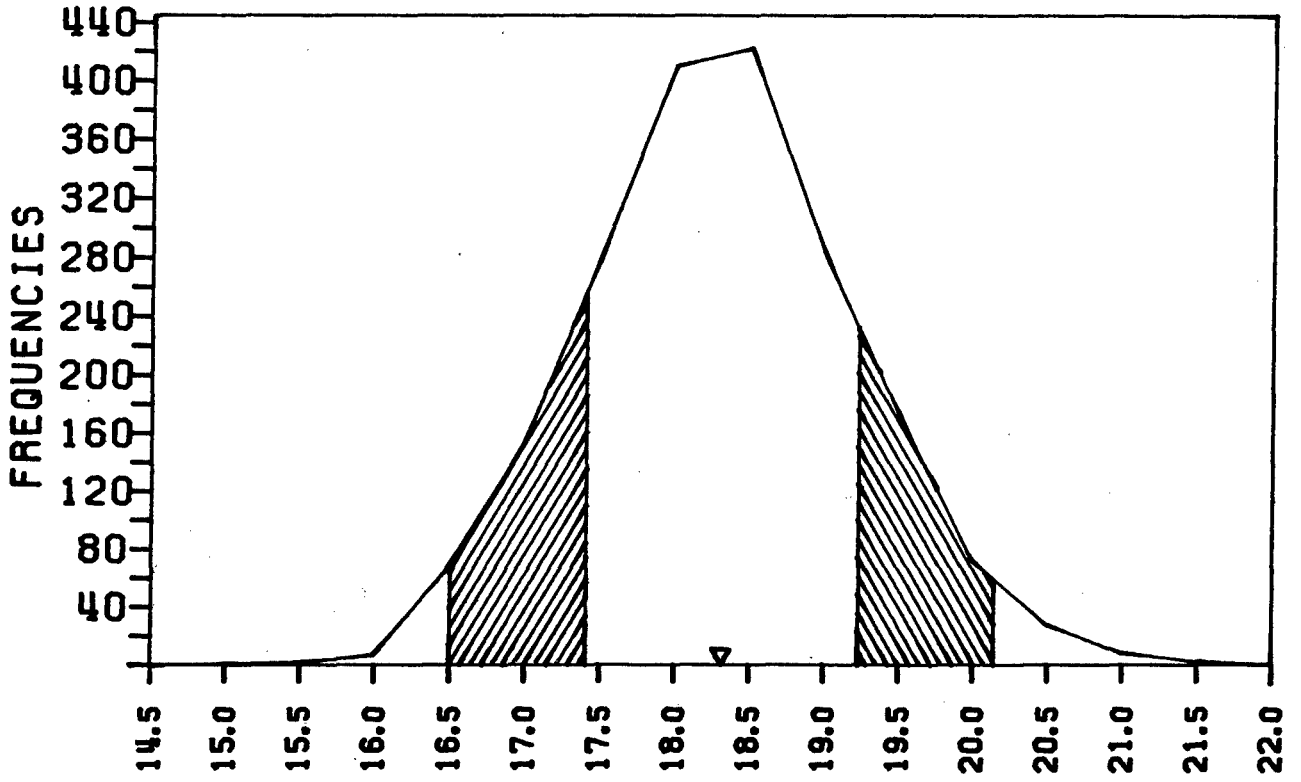
CENTIMETERS		INCHES
8.49	99TH	3.34
8.37	98TH	3.30
8.30	97TH	3.27
8.20	95TH	3.23
8.05	90TH	3.17
7.96	85TH	3.13
7.88	80TH	3.10
7.81	75TH	3.08
7.76	70TH	3.05
7.70	65TH	3.03
7.65	60TH	3.01
7.60	55TH	2.99
7.55	50TH	2.97
7.51	45TH	2.95
7.46	40TH	2.94
7.40	35TH	2.92
7.35	30TH	2.89
7.29	25TH	2.87
7.23	20TH	2.85
7.15	15TH	2.82
7.06	10TH	2.78
6.92	5TH	2.72
6.83	3RD	2.69
6.76	2ND	2.66
6.66	1ST	2.62

(93) HAND CIRCUMFERENCE

Subject stands with right hand and fingers extended and thumb abducted. With a tape passing over metacarpal-phalangeal joints II and V, measure the circumference of the hand.







RANGES*	F	CUMF	FPCT	CUMPCT
21.25- 21.75	2	1905	0.10	100.00
20.75- 21.25	8	1903	0.42	99.90
20.25- 20.75	27	1895	1.42	99.48
19.75- 20.25	71	1868	3.73	98.06
19.25- 19.75	173	1797	9.08	94.33
18.75- 19.25	283	1624	14.86	85.25
18.25- 18.75	422	1341	22.15	70.39
17.75- 18.25	410	919	21.52	48.24
17.25- 17.75	278	509	14.59	26.72
16.75- 17.25	153	231	8.03	12.13
16.25- 16.75	68	78	3.57	4.09
15.75- 16.25	7	10	0.37	0.52
15.25- 15.75	2	3	0.10	0.16
14.75- 15.25	1	1	0.05	0.05

*IN CENTIMETERS

CENTIMETERS		INCHES
18.32	MEAN VALUE	7.21
0.02	SE(MEAN)	0.01
0.91	SD DEVIATION	0.36
0.01	SE(SD DEV)	0.01

****

SYMMETRY---VETA I = 0.15
KURTOSIS---VETA II = 2.99
COEF. OF VARIATION = 4.9%

****

NUMBER OF SUBJECTS = 1905

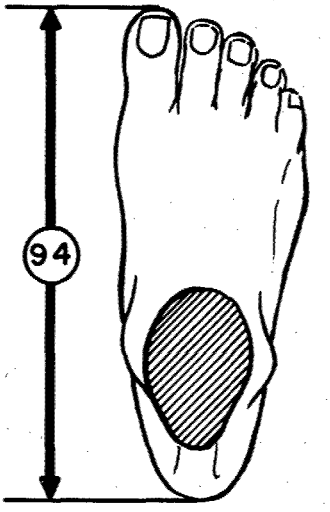
****

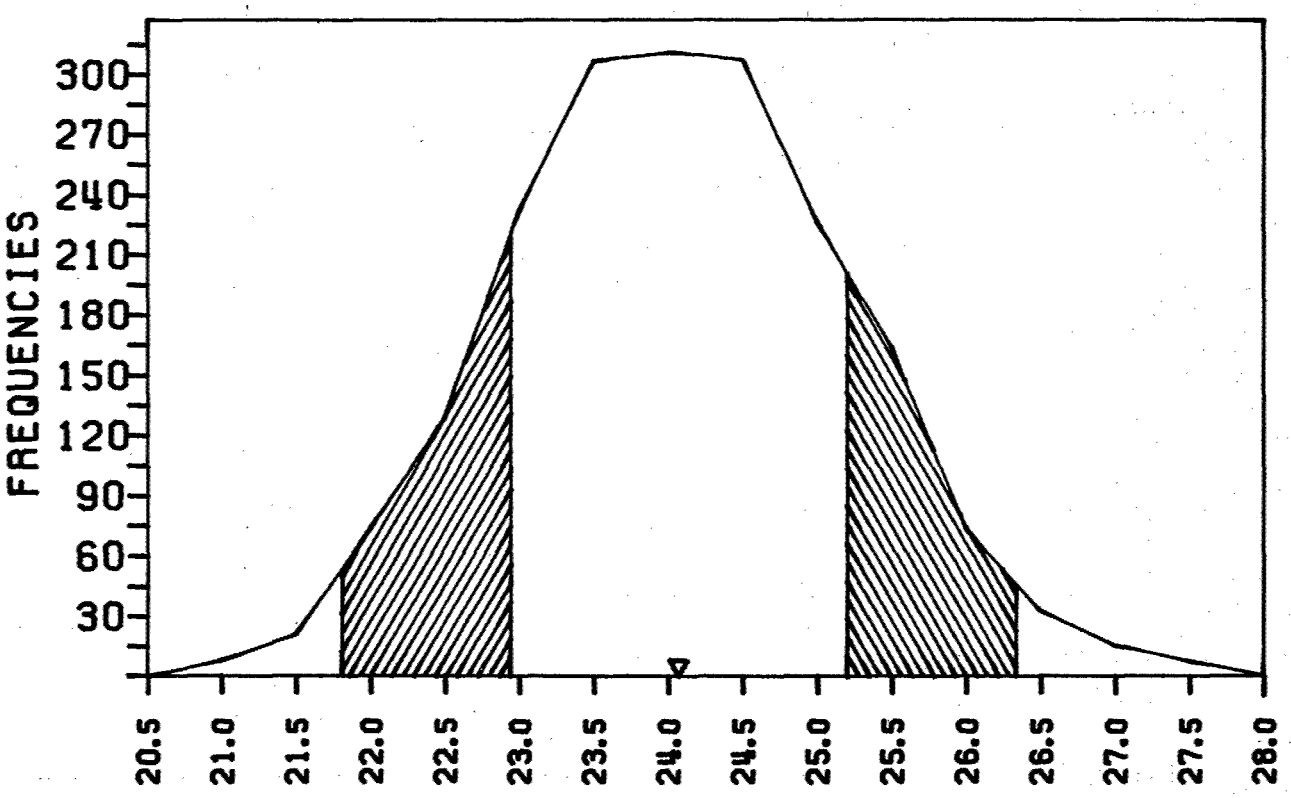
THE PERCENTILES

CENTIMETERS		INCHES
20.58	99TH	8.10
20.27	98TH	7.98
20.08	97TH	7.91
19.84	95TH	7.81
19.48	90TH	7.67
19.25	85TH	7.58
19.07	80TH	7.51
18.91	75TH	7.45
18.77	70TH	7.39
18.64	65TH	7.34
18.52	60TH	7.29
18.41	55TH	7.25
18.29	50TH	7.20
18.17	45TH	7.16
18.06	40TH	7.11
17.94	35TH	7.06
17.81	30TH	7.01
17.67	25TH	6.96
17.52	20TH	6.90
17.34	15TH	6.83
17.12	10TH	6.74
16.81	5TH	6.62
16.62	3RD	6.54
16.48	2ND	6.49
16.29	1ST	6.41

(94) FOOT LENGTH

Subject stands erect, right foot in the measuring box, left foot on a board of equal height, and weight distributed equally. The right foot is positioned so that its long axis is parallel to the side of the box, the heel touches the rear of the box and the medial metatarsal-phalangeal joint touches the side of the box. With the measuring block touching the tip of the most protruding toe, measure on the scale of the box the length of the foot.





RANGES*	F	CUMF	FPCT	CUMPCT
27.25- 27.75	7	1905	0.37	100.00
26.75- 27.25	15	1898	0.79	99.63
26.25- 26.75	32	1883	1.68	98.85
25.75- 26.25	73	1851	3.83	97.17
25.25- 25.75	163	1778	8.56	93.33
24.75- 25.25	226	1615	11.86	84.78
24.25- 24.75	307	1389	16.12	72.91
23.75- 24.25	311	1082	16.33	56.80
23.25- 23.75	307	771	16.12	40.47
22.75- 23.25	232	464	12.18	24.36
22.25- 22.75	129	232	6.77	12.18
21.75- 22.25	74	103	3.88	5.41
21.25- 21.75	21	29	1.10	1.52
20.75- 21.25	8	8	0.42	0.42

*IN CENTIMETERS

CENTIMETERS		INCHES
24.07	MEAN VALUE	9.48
0.03	SE(MEAN)	0.01
1.13	SD DEVIATION	0.44
0.02	SE(SD DEV)	0.01

****

SYMMETRY---VETA I = 0.12
KURTOSIS---VETA II = 2.86
COEF. OF VARIATION = 4.7%

****

NUMBER OF SUBJECTS = 1905

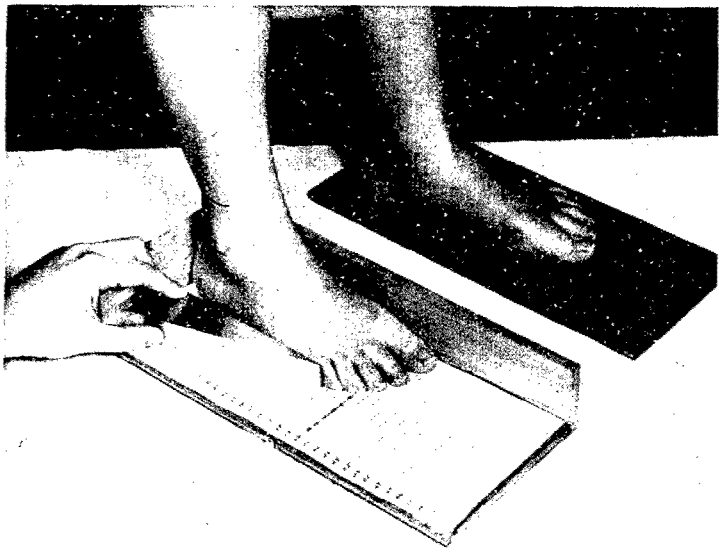
****

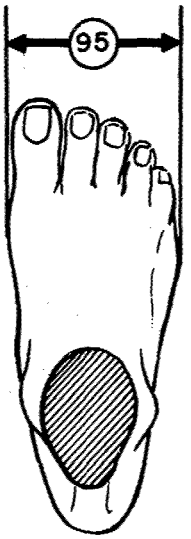
THE PERCENTILES

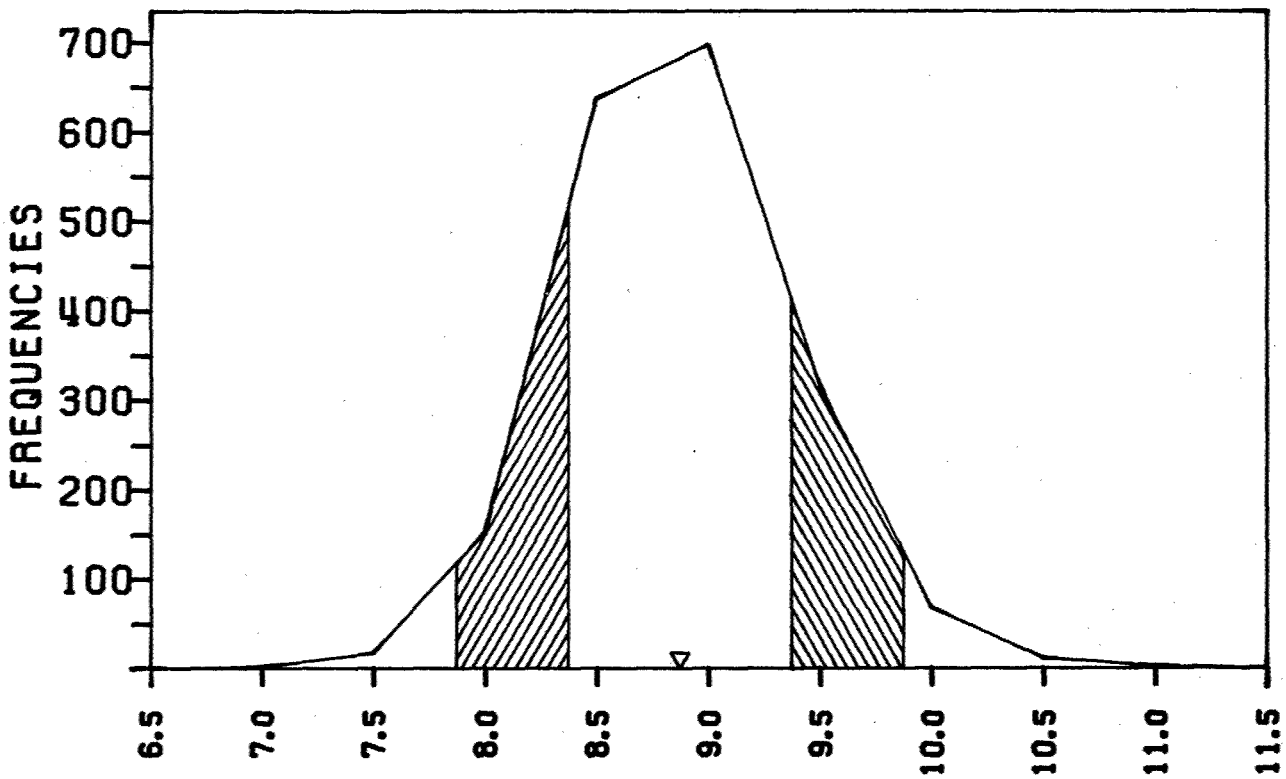
CENTIMETERS		INCHES
26.83	99TH	10.56
26.49	98TH	10.43
26.27	97TH	10.34
25.98	95TH	10.23
25.55	90TH	10.06
25.26	85TH	9.94
25.03	80TH	9.85
24.83	75TH	9.78
24.66	70TH	9.71
24.49	65TH	9.64
24.34	60TH	9.58
24.19	55TH	9.52
24.05	50TH	9.47
23.90	45TH	9.41
23.75	40TH	9.35
23.60	35TH	9.29
23.44	30TH	9.23
23.27	25TH	9.16
23.07	20TH	9.08
22.86	15TH	9.00
22.58	10TH	8.89
22.19	5TH	8.74
21.95	3RD	8.64
21.78	2ND	8.58
21.53	1ST	8.48

(95) FOOT BREADTH

Subject stands erect, right foot in the measuring box, left foot on a board of equal height, and weight distributed equally. The right foot is positioned so that its long axis is parallel to the side of the box, the heel touches the rear of the box, and the medial metatarsal-phalangeal joint touches the side of the box. With the measuring block touching the widest part of the foot, measure on the scale of the box the breadth of the foot.







RANGES*		F	CUMF	FPCT	CUMPCT
10.75-	11.25	2	1905	0.10	100.00
10.25-	10.75	11	1903	0.58	99.90
9.75-	10.25	67	1892	3.52	99.32
9.25-	9.75	315	1825	16.54	95.80
8.75-	9.25	698	1510	36.64	79.27
8.25-	8.75	638	812	33.49	42.62
7.75-	8.25	154	174	8.08	9.13
7.25-	7.75	18	20	0.94	1.05
6.75-	7.25	2	2	0.10	0.10

*IN CENTIMETERS

CENTIMETERS		INCHES
8.87	MEAN VALUE	3.49
0.01	SE(MEAN)	0.00
0.50	SD DEVIATION	0.20
0.01	SE(SD DEV)	0.00

****

SYMMETRY---VETA I = 0.26
KURTOSIS---VETA II = 3.54
COEF. OF VARIATION = 5.6%

****

NUMBER OF SUBJECTS = 1905

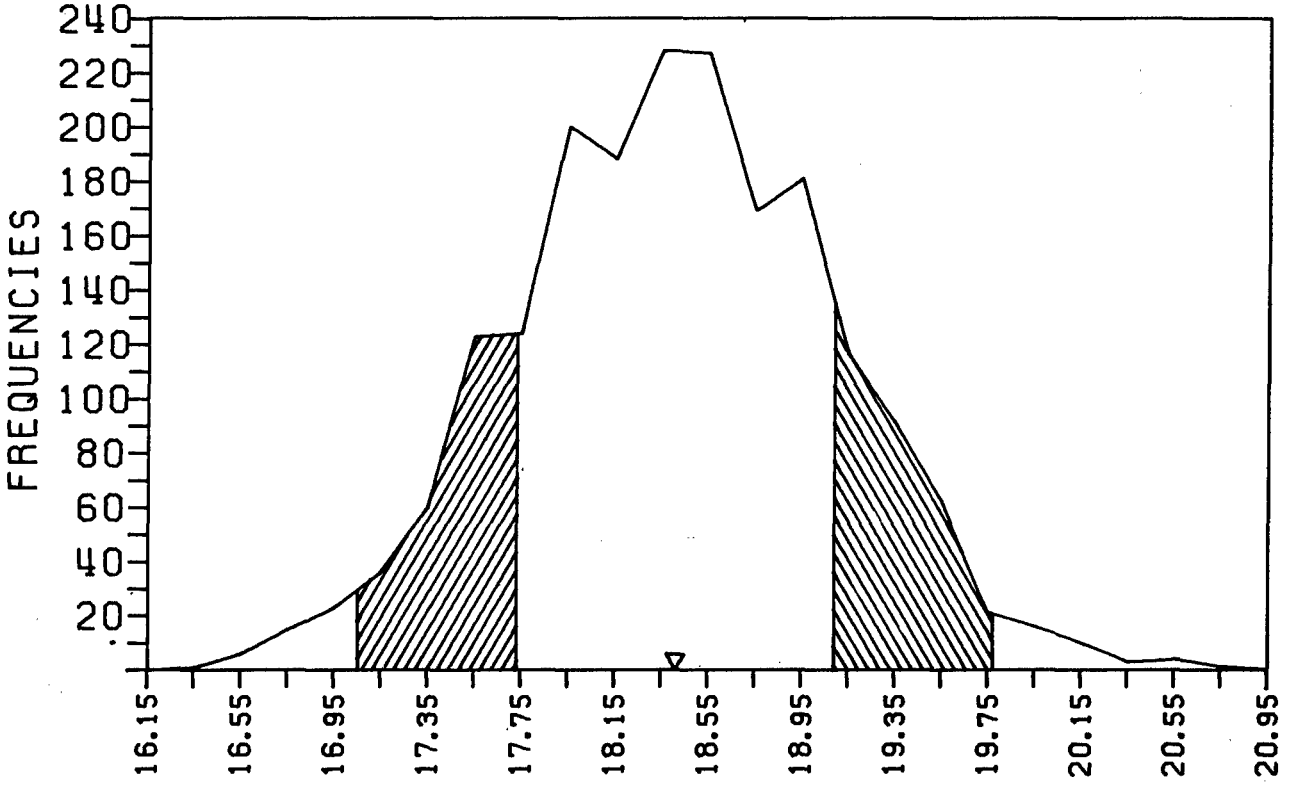
****

THE PERCENTILES

CENTIMETERS		INCHES
10.22	99TH	4.02
10.03	98TH	3.95
9.92	97TH	3.90
9.77	95TH	3.84
9.55	90TH	3.76
9.41	85TH	3.70
9.30	80TH	3.66
9.20	75TH	3.62
9.12	70TH	3.59
9.05	65TH	3.56
8.98	60TH	3.54
8.91	55TH	3.51
8.85	50TH	3.48
8.78	45TH	3.46
8.72	40TH	3.43
8.65	35TH	3.40
8.58	30TH	3.38
8.50	25TH	3.35
8.42	20TH	3.31
8.32	15TH	3.27
8.20	10TH	3.23
8.02	5TH	3.16
7.91	3RD	3.11
7.82	2ND	3.08
7.70	1ST	3.03

(96) HEAD LENGTH

Subject sits. With a spreading caliper, measure in the midsagittal plane the maximum length of the head between the glabella landmark and the occiput.



RANGES*	F	CUMF	FPCT	CUMPCT
20.65- 20.85	1	1905	0.05	100.00
20.45- 20.65	4	1904	0.21	99.95
20.25- 20.45	3	1900	0.16	99.74
20.05- 20.25	10	1897	0.52	99.58
19.85- 20.05	16	1887	0.84	99.06
19.65- 19.85	21	1871	1.10	98.22
19.45- 19.65	62	1850	3.25	97.11
19.25- 19.45	91	1788	4.78	93.86
19.05- 19.25	116	1697	6.09	89.08
18.85- 19.05	181	1581	9.50	82.99
18.65- 18.85	169	1400	8.87	73.49
18.45- 18.65	227	1231	11.92	64.62
18.25- 18.45	228	1004	11.97	52.70
18.05- 18.25	188	776	9.87	40.73
17.85- 18.05	200	588	10.50	30.87
17.65- 17.85	124	388	6.51	20.37
17.45- 17.65	123	264	6.46	13.86
17.25- 17.45	60	141	3.15	7.40
17.05- 17.25	36	81	1.89	4.25
16.85- 17.05	23	45	1.21	2.36
16.65- 16.85	15	22	0.79	1.15
16.45- 16.65	6	7	0.31	0.37
16.25- 16.45	1	1	0.05	0.05

*IN CENTIMETERS

CENTIMETERS		INCHES
18.41	MEAN VALUE	7.25
0.02	SE(MEAN)	0.01
0.68	SD DEVIATION	0.27
0.01	SE(SD DEV)	0.00

****

SYMMETRY---VETA I = 0.03
KURTOSIS---VETA II = 2.95
COEF. OF VARIATION = 3.7%

****

NUMBER OF SUBJECTS = 1905

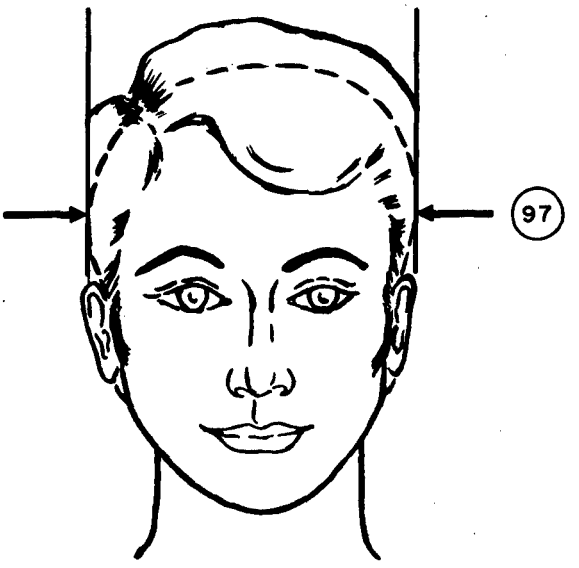
****

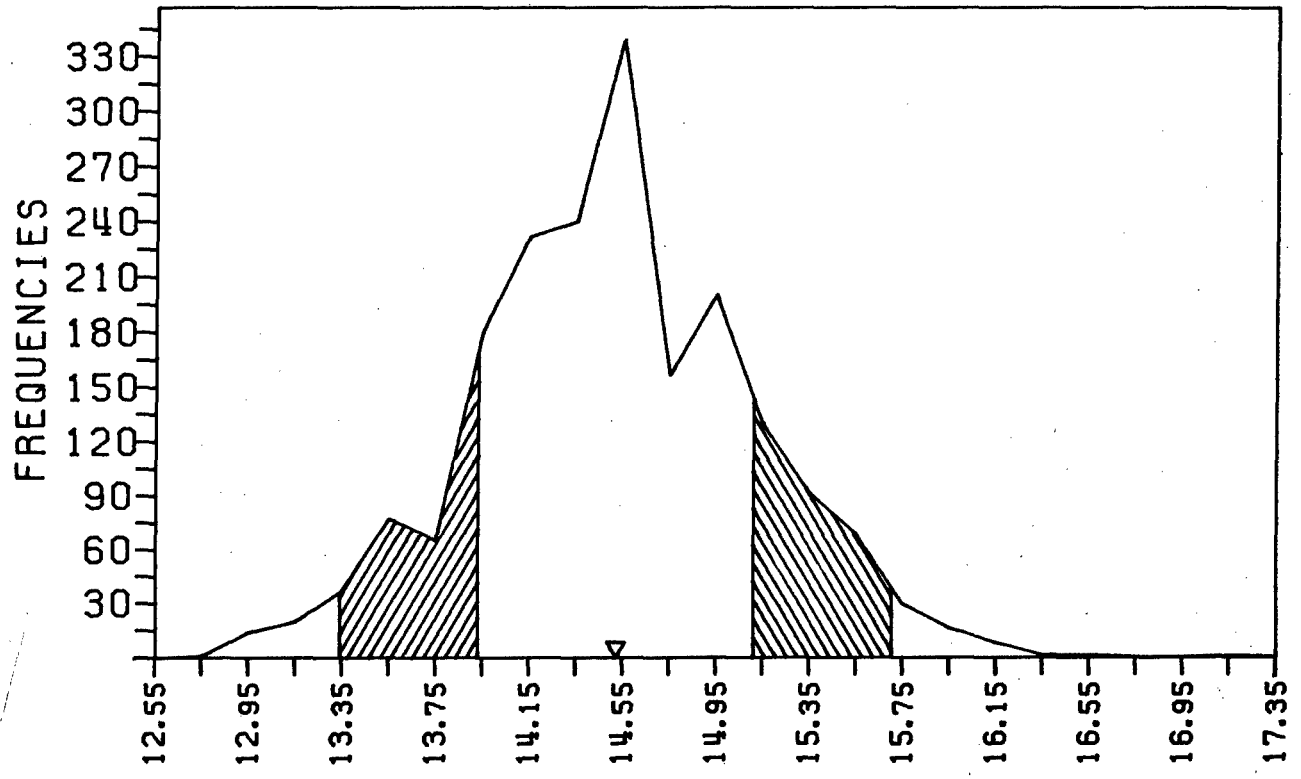
THE PERCENTILES

CENTIMETERS		INCHES
20.01	99TH	7.88
19.81	98TH	7.80
19.69	97TH	7.75
19.52	95TH	7.69
19.27	90TH	7.59
19.11	85TH	7.52
18.98	80TH	7.47
18.86	75TH	7.43
18.76	70TH	7.39
18.67	65TH	7.35
18.58	60TH	7.31
18.49	55TH	7.28
18.41	50TH	7.25
18.32	45TH	7.21
18.23	40TH	7.18
18.14	35TH	7.14
18.05	30TH	7.11
17.95	25TH	7.07
17.83	20TH	7.02
17.70	15TH	6.97
17.53	10TH	6.90
17.27	5TH	6.80
17.11	3RD	6.74
17.00	2ND	6.69
16.82	1ST	6.62

(97) HEAD BREADTH

Subject sits. With a spreading caliper, measure the maximum horizontal breadth of the head above the level of the ears.





RANGES*	F	CUMF	FPCT	CUMPCT
17.05- 17.25	1	1905	0.05	100.00
16.85- 17.05	0	1904	0.00	99.95
16.65- 16.85	0	1904	0.00	99.95
16.45- 16.65	1	1904	0.05	99.95
16.25- 16.45	1	1903	0.05	99.90
16.05- 16.25	8	1902	0.42	99.84
15.85- 16.05	16	1894	0.84	99.42
15.65- 15.85	29	1878	1.52	98.58
15.45- 15.65	68	1849	3.57	97.06
15.25- 15.45	91	1781	4.78	93.49
15.05- 15.25	129	1690	6.77	88.71
14.85- 15.05	200	1561	10.50	81.94
14.65- 14.85	156	1361	8.19	71.44
14.45- 14.65	339	1205	17.80	63.25
14.25- 14.45	240	866	12.60	45.46
14.05- 14.25	232	626	12.18	32.86
13.85- 14.05	180	394	9.45	20.68
13.65- 13.85	65	214	3.41	11.23
13.45- 13.65	77	149	4.04	7.82
13.25- 13.45	37	72	1.94	3.78
13.05- 13.25	20	35	1.05	1.84
12.85- 13.05	14	15	0.73	0.79
12.65- 12.85	1	1	0.05	0.05

*IN CENTIMETERS

CENTIMETERS		INCHES
14.52	MEAN VALUE	5.71
0.01	SE(MEAN)	0.01
0.59	SD DEVIATION	0.23
0.01	SE(SD DEV)	0.00

****

SYMMETRY---VETA I = 0.11
KURTOSIS---VETA II = 3.16
COEF. OF VARIATION = 4.1%

****

NUMBER OF SUBJECTS = 1905

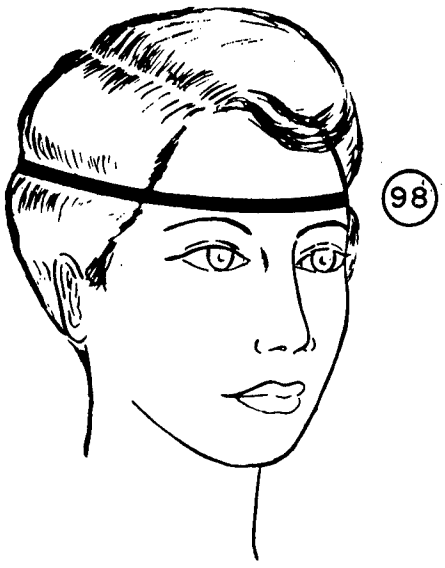
****

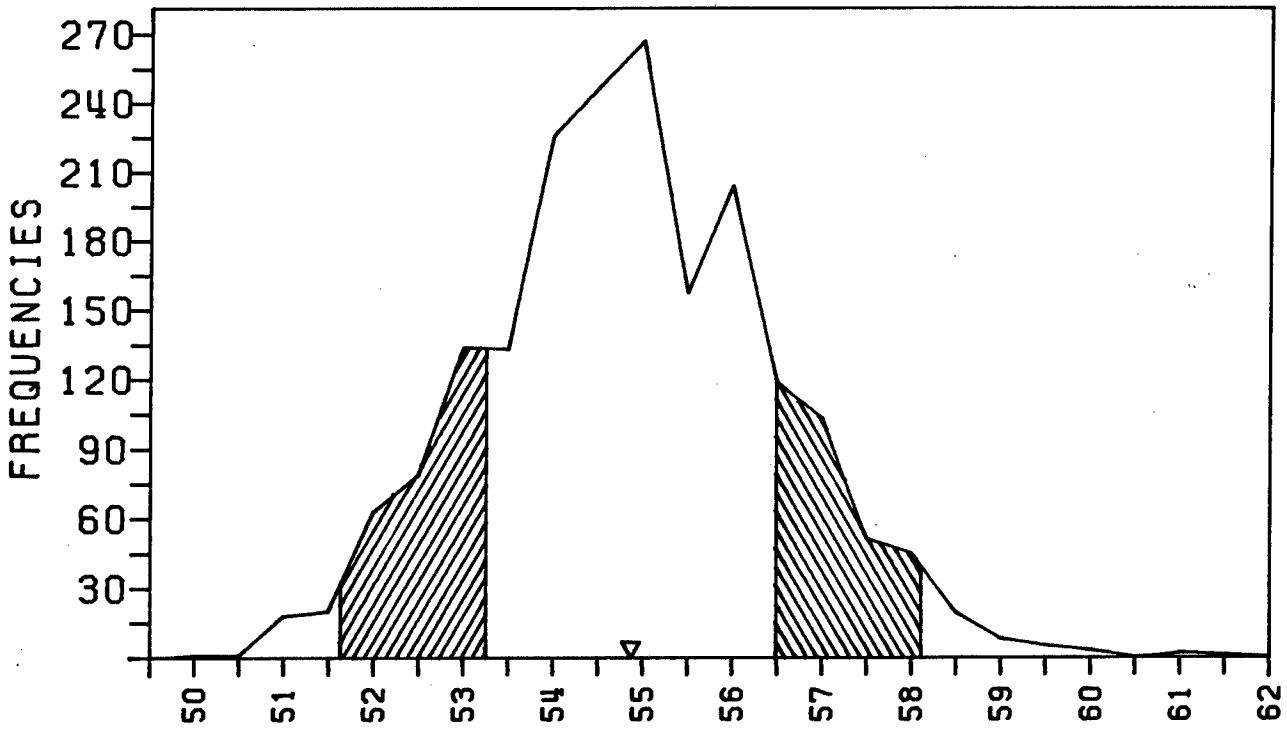
THE PERCENTILES

CENTIMETERS		INCHES
15.95	99TH	6.28
15.78	98TH	6.21
15.67	97TH	6.17
15.52	95TH	6.11
15.29	90TH	6.02
15.13	85TH	5.96
15.01	80TH	5.91
14.90	75TH	5.87
14.81	70TH	5.83
14.73	65TH	5.80
14.65	60TH	5.77
14.58	55TH	5.74
14.50	50TH	5.71
14.43	45TH	5.68
14.36	40TH	5.65
14.28	35TH	5.62
14.20	30TH	5.59
14.12	25TH	5.56
14.02	20TH	5.52
13.91	15TH	5.48
13.76	10TH	5.42
13.54	5TH	5.33
13.39	3RD	5.27
13.27	2ND	5.22
13.07	1ST	5.15

(98) HEAD CIRCUMFERENCE

Subject sits. With a tape passing above the brow ridges and nuchale, measure the maximum circumference of the head.





RANGES*	F	CUMF	FPCT	CUMPCT
61.25- 61.75	1	1905	0.05	100.00
60.75- 61.25	2	1904	0.10	99.95
60.25- 60.75	0	1902	0.00	99.84
59.75- 60.25	3	1902	0.16	99.84
59.25- 59.75	5	1899	0.26	99.69
58.75- 59.25	8	1894	0.42	99.42
58.25- 58.75	19	1886	1.00	99.00
57.75- 58.25	45	1867	2.36	98.01
57.25- 57.75	51	1822	2.68	95.64
56.75- 57.25	103	1771	5.41	92.97
56.25- 56.75	118	1668	6.19	87.56
55.75- 56.25	204	1550	10.71	81.36
55.25- 55.75	157	1346	8.24	70.66
54.75- 55.25	267	1189	14.02	62.41
54.25- 54.75	247	922	12.97	48.40
53.75- 54.25	226	675	11.86	35.43
53.25- 53.75	133	449	6.98	23.57
52.75- 53.25	134	316	7.03	16.59
52.25- 52.75	79	182	4.15	9.55
51.75- 52.25	63	103	3.31	5.41
51.25- 51.75	20	40	1.05	2.10
50.75- 51.25	18	20	0.94	1.05
50.25- 50.75	1	2	0.05	0.10
49.75- 50.25	1	1	0.05	0.05

*IN CENTIMETERS

CENTIMETERS		INCHES
54.87	MEAN VALUE	21.60
0.04	SE(MEAN)	0.01
1.62	SD DEVIATION	0.64
0.03	SE(SD DEV)	0.01

****

SYMMETRY---VETA I = 0.20
KURTOSIS---VETA II = 3.16
COEF. OF VARIATION = 3.0%

****

NUMBER OF SUBJECTS = 1905

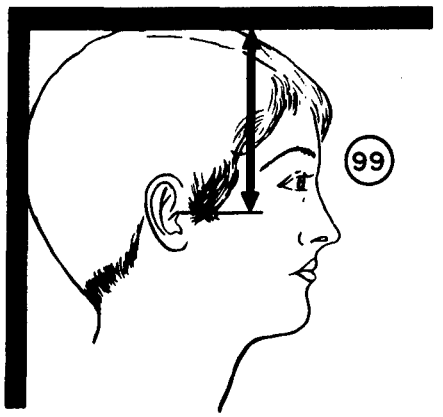
****

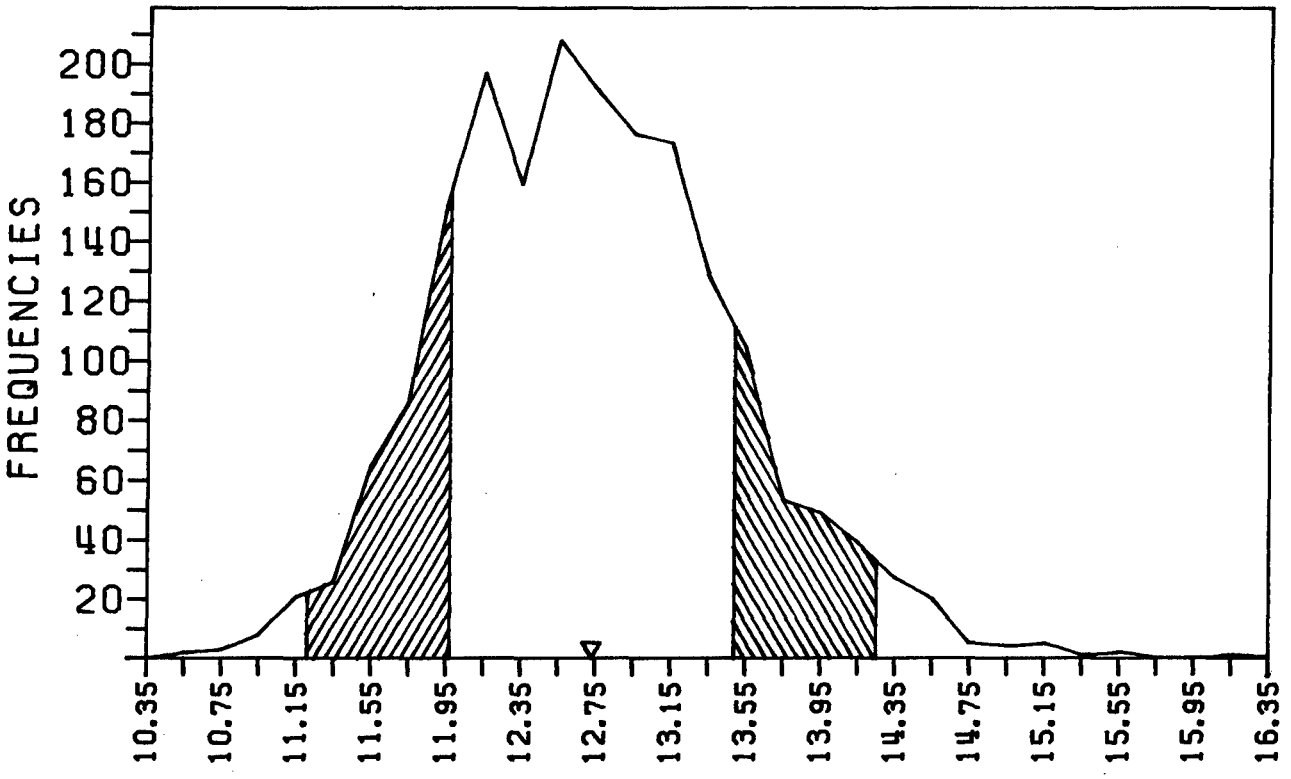
THE PERCENTILES

CENTIMETERS		INCHES
58.75	99TH	23.13
58.29	98TH	22.95
58.00	97TH	22.83
57.59	95TH	22.67
56.97	90TH	22.43
56.55	85TH	22.26
56.22	80TH	22.13
55.93	75TH	22.02
55.68	70TH	21.92
55.45	65TH	21.83
55.23	60TH	21.74
55.02	55TH	21.66
54.82	50TH	21.58
54.61	45TH	21.50
54.41	40TH	21.42
54.20	35TH	21.34
53.98	30TH	21.25
53.74	25TH	21.16
53.48	20TH	21.05
53.18	15TH	20.94
52.80	10TH	20.79
52.25	5TH	20.57
51.90	3RD	20.43
51.64	2ND	20.33
51.23	1ST	20.17

(99) TRAGION TO TOP OF HEAD

Subject stands under the headboard looking straight ahead. The headboard is adjusted so that its vertical and horizontal planes are in firm contact with the back and the top of the head. Positioning the head in the Frankfort plane and using the special gauge, measure the vertical distance from the horizontal plane to the right tragion landmark.





RANGES*	F	CUMF	FPCT	CUMPCT
16.05- 16.25	1	1905	0.05	100.00
15.85- 16.05	0	1904	0.00	99.95
15.65- 15.85	0	1904	0.00	99.95
15.45- 15.65	2	1904	0.10	99.95
15.25- 15.45	1	1902	0.05	99.84
15.05- 15.25	5	1901	0.26	99.79
14.85- 15.05	4	1896	0.21	99.53
14.65- 14.85	5	1892	0.26	99.32
14.45- 14.65	20	1887	1.05	99.06
14.25- 14.45	27	1867	1.42	98.01
14.05- 14.25	39	1840	2.05	96.59
13.85- 14.05	49	1801	2.57	94.54
13.65- 13.85	53	1752	2.78	91.97
13.45- 13.65	104	1699	5.46	89.19
13.25- 13.45	128	1595	6.72	83.73
13.05- 13.25	173	1467	9.08	77.01
12.85- 13.05	176	1294	9.24	67.93
12.65- 12.85	191	1118	10.03	58.69
12.45- 12.65	208	927	10.92	48.66
12.25- 12.45	159	719	8.35	37.74
12.05- 12.25	197	560	10.34	29.40
11.85- 12.05	152	363	7.98	19.06
11.65- 11.85	86	211	4.51	11.08
11.45- 11.65	65	125	3.41	6.56
11.25- 11.45	26	60	1.36	3.15
11.05- 11.25	21	34	1.10	1.78
10.85- 11.05	8	13	0.42	0.68
10.65- 10.85	3	5	0.16	0.26
10.45- 10.65	2	2	0.10	0.10

*IN CENTIMETERS

CENTIMETERS		INCHES
12.73	MEAN VALUE	5.01
0.02	SE(MEAN)	0.01
0.76	SD DEVIATION	0.30
0.01	SE(SD DEV)	0.00

****

SYMMETRY---VETA I = 0.39
KURTOSIS---VETA II = 3.28
COEF. OF VARIATION = 6.0%

****

NUMBER OF SUBJECTS = 1905

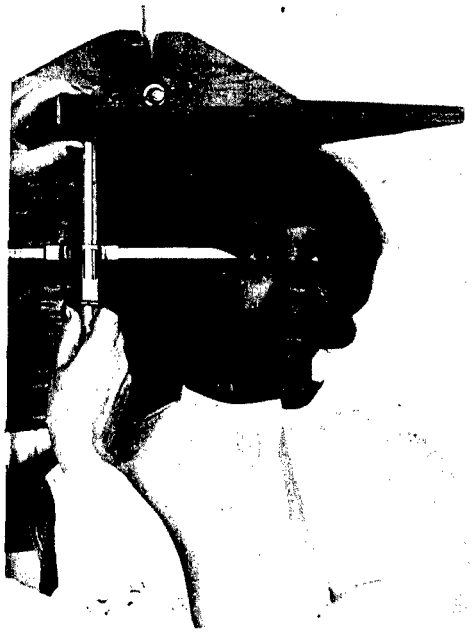
****

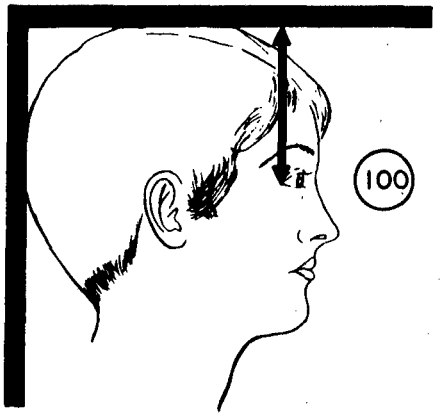
THE PERCENTILES

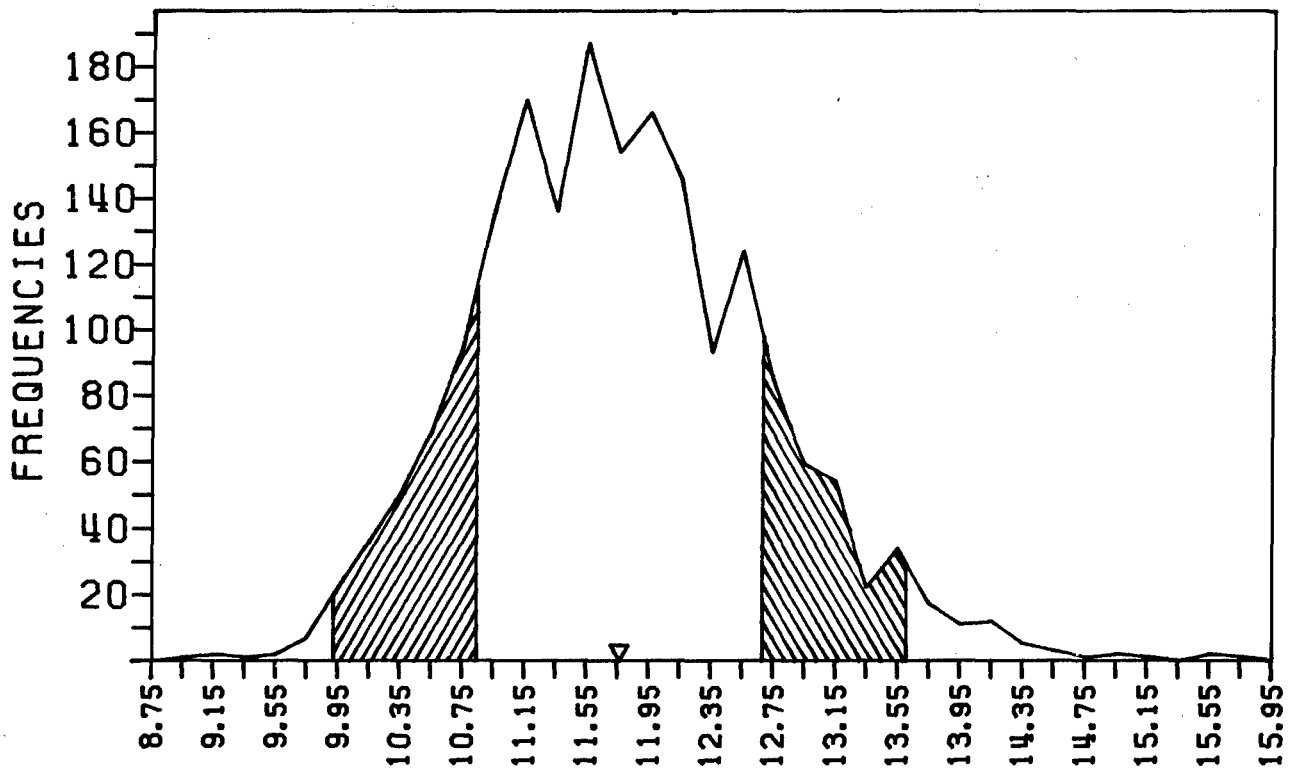
CENTIMETERS		INCHES
14.66	99TH	5.77
14.43	98TH	5.68
14.28	97TH	5.62
14.07	95TH	5.54
13.75	90TH	5.41
13.53	85TH	5.33
13.36	80TH	5.26
13.21	75TH	5.20
13.08	70TH	5.15
12.97	65TH	5.11
12.86	60TH	5.06
12.76	55TH	5.03
12.67	50TH	4.99
12.57	45TH	4.95
12.48	40TH	4.91
12.38	35TH	4.88
12.29	30TH	4.84
12.19	25TH	4.80
12.07	20TH	4.75
11.95	15TH	4.70
11.79	10TH	4.64
11.56	5TH	4.55
11.41	3RD	4.49
11.30	2ND	4.45
11.11	1ST	4.37

(100) ECTOCANTHUS TO TOP OF HEAD

Subject stands under the headboard looking straight ahead. The headboard is adjusted so that its vertical and horizontal planes are in firm contact with the back and the top of the head. Positioning the head in the Frankfort plane and using the special gauge, measure the vertical distance from the horizontal plane to the right ectocanthus.







RANGES*	F	CUMF	FPCT	CUMPCT
15.65- 15.85	1	1905	0.05	100.00
15.45- 15.65	2	1904	0.10	99.95
15.25- 15.45	0	1902	0.00	99.84
15.05- 15.25	1	1902	0.05	99.84
14.85- 15.05	2	1901	0.10	99.79
14.65- 14.85	1	1899	0.05	99.69
14.45- 14.65	3	1898	0.16	99.63
14.25- 14.45	5	1895	0.26	99.48
14.05- 14.25	12	1890	0.63	99.21
13.85- 14.05	11	1878	0.58	98.58
13.65- 13.85	17	1867	0.89	98.01
13.45- 13.65	34	1850	1.78	97.11
13.25- 13.45	22	1816	1.15	95.33
13.05- 13.25	54	1794	2.83	94.17
12.85- 13.05	59	1740	3.10	91.34
12.65- 12.85	84	1681	4.41	88.24
12.45- 12.65	124	1597	6.51	83.83
12.25- 12.45	93	1473	4.88	77.32
12.05- 12.25	146	1380	7.66	72.44
11.85- 12.05	166	1234	8.71	64.78
11.65- 11.85	154	1068	8.08	56.06
11.45- 11.65	187	914	9.82	47.98
11.25- 11.45	136	727	7.14	38.16
11.05- 11.25	170	591	8.92	31.02
10.85- 11.05	136	421	7.14	22.10
10.65- 10.85	95	285	4.99	14.96
10.45- 10.65	69	190	3.62	9.97
10.25- 10.45	50	121	2.62	6.35
10.05- 10.25	36	71	1.89	3.73
9.85- 10.05	22	35	1.15	1.84
9.65- 9.85	7	13	0.37	0.68
9.45- 9.65	2	6	0.10	0.31
9.25- 9.45	1	4	0.05	0.21
9.05- 9.25	2	3	0.10	0.16
8.85- 9.05	1	1	0.05	0.05

*IN CENTIMETERS

CENTIMETERS		INCHES
11.76	MEAN VALUE	4.63
0.02	SE(MEAN)	0.01
0.92	SD DEVIATION	0.36
0.01	SE(SD DEV)	0.01

****

SYMMETRY---VETA I = 0.42
KURTOSIS---VETA II = 3.43
COEF. OF VARIATION = 7.8%

****

NUMBER OF SUBJECTS = 1905

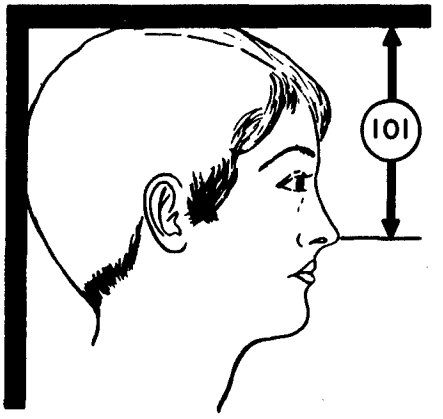
****

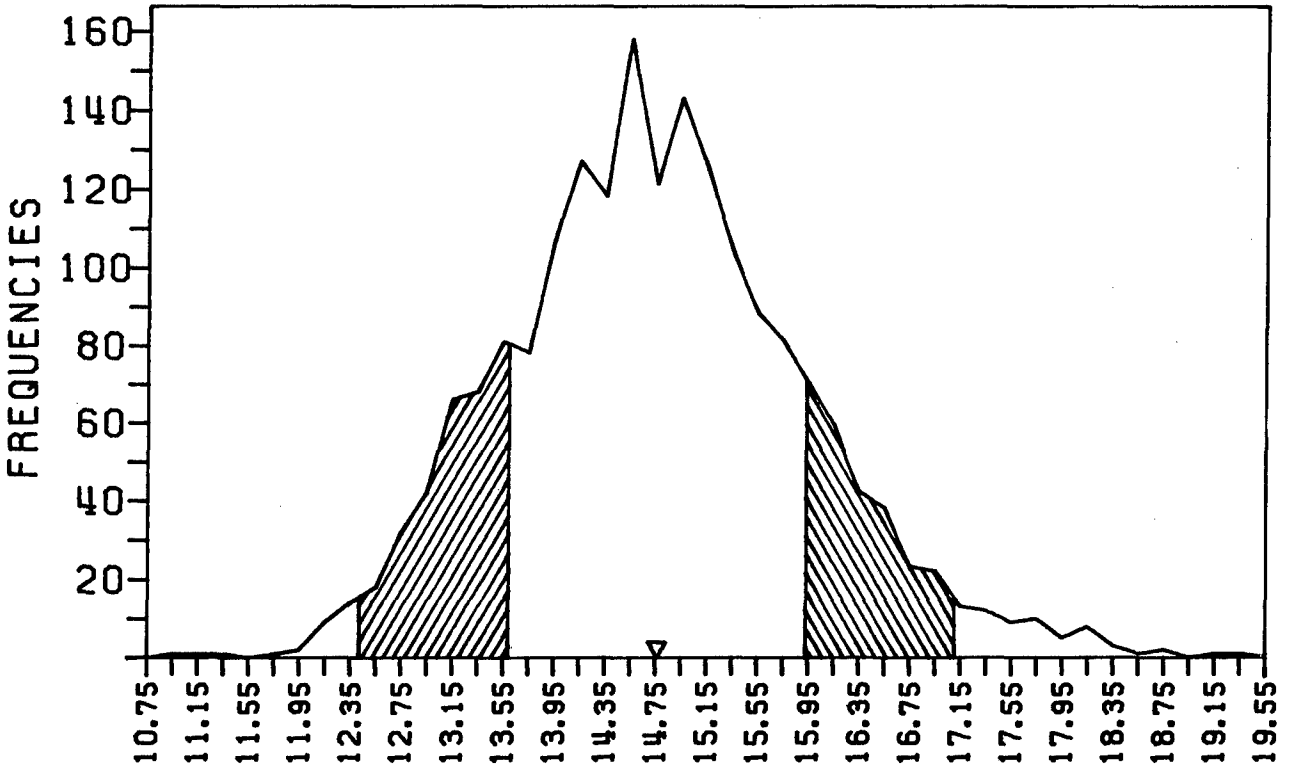
THE PERCENTILES

CENTIMETERS		INCHES
14.18	99TH	5.58
13.85	98TH	5.45
13.64	97TH	5.37
13.37	95TH	5.27
12.97	90TH	5.11
12.71	85TH	5.01
12.51	80TH	4.93
12.35	75TH	4.86
12.20	70TH	4.80
12.06	65TH	4.75
11.94	60TH	4.70
11.82	55TH	4.65
11.71	50TH	4.61
11.59	45TH	4.56
11.48	40TH	4.52
11.36	35TH	4.47
11.25	30TH	4.43
11.12	25TH	4.38
10.98	20TH	4.32
10.83	15TH	4.26
10.63	10TH	4.19
10.36	5TH	4.08
10.19	3RD	4.01
10.07	2ND	3.97
9.89	1ST	3.89

(101) PRONASALE TO TOP OF HEAD

Subject stands under the headboard looking straight ahead. The headboard is adjusted so that its vertical and horizontal planes are in firm contact with the back and the top of the head. Positioning the head in the Frankfort plane and using the special gauge, measure the vertical distance from the horizontal plane to pronasale.





RANGES*	F	CUMF	FPCT	CUMPCT
19.25- 19.45	1	1905	0.05	100.00
19.05- 19.25	1	1904	0.05	99.95
18.85- 19.05	0	1903	0.00	99.90
18.65- 18.85	2	1903	0.10	99.90
18.45- 18.65	1	1901	0.05	99.79
18.25- 18.45	3	1900	0.16	99.74
18.05- 18.25	8	1897	0.42	99.58
17.85- 18.05	5	1889	0.26	99.16
17.65- 17.85	10	1884	0.52	98.90
17.45- 17.65	9	1874	0.47	98.37
17.25- 17.45	12	1865	0.63	97.90
17.05- 17.25	13	1853	0.68	97.27
16.85- 17.05	22	1840	1.15	96.59
16.65- 16.85	23	1818	1.21	95.43
16.45- 16.65	38	1795	1.99	94.23
16.25- 16.45	42	1757	2.20	92.23
16.05- 16.25	59	1715	3.10	90.03
15.85- 16.05	70	1656	3.67	86.93
15.65- 15.85	81	1586	4.25	83.25
15.45- 15.65	88	1505	4.62	79.00
15.25- 15.45	104	1417	5.46	74.38
15.05- 15.25	125	1313	6.56	68.92
14.85- 15.05	143	1188	7.51	62.36
14.65- 14.85	121	1045	6.35	54.86
14.45- 14.65	158	924	8.29	48.50
14.25- 14.45	118	766	6.19	40.21
14.05- 14.25	127	648	6.67	34.02
13.85- 14.05	107	521	5.62	27.35
13.65- 13.85	78	414	4.09	21.73
13.45- 13.65	81	336	4.25	17.64
13.25- 13.45	68	255	3.57	13.39
13.05- 13.25	66	187	3.46	9.82
12.85- 13.05	42	121	2.20	6.35
12.65- 12.85	32	79	1.68	4.15
12.45- 12.65	18	47	0.94	2.47
12.25- 12.45	14	29	0.73	1.52
12.05- 12.25	9	15	0.47	0.79
11.85- 12.05	2	6	0.10	0.31
11.65- 11.85	1	4	0.05	0.21
11.45- 11.65	0	3	0.00	0.16
11.25- 11.45	1	3	0.05	0.16
11.05- 11.25	1	2	0.05	0.10
10.85- 11.05	1	1	0.05	0.05

*IN CENTIMETERS

CENTIMETERS		INCHES
14.76	MEAN VALUE	5.81
0.03	SE(MEAN)	0.01
1.17	SD DEVIATION	0.46
0.02	SE(SD DEV)	0.01

****

SYMMETRY---VETA I = 0.34
KURTOSIS---VETA II = 3.32
COEF. OF VARIATION = 7.9%

****

NUMBER OF SUBJECTS = 1905

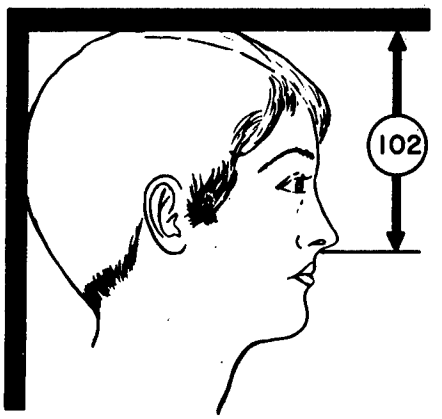
****

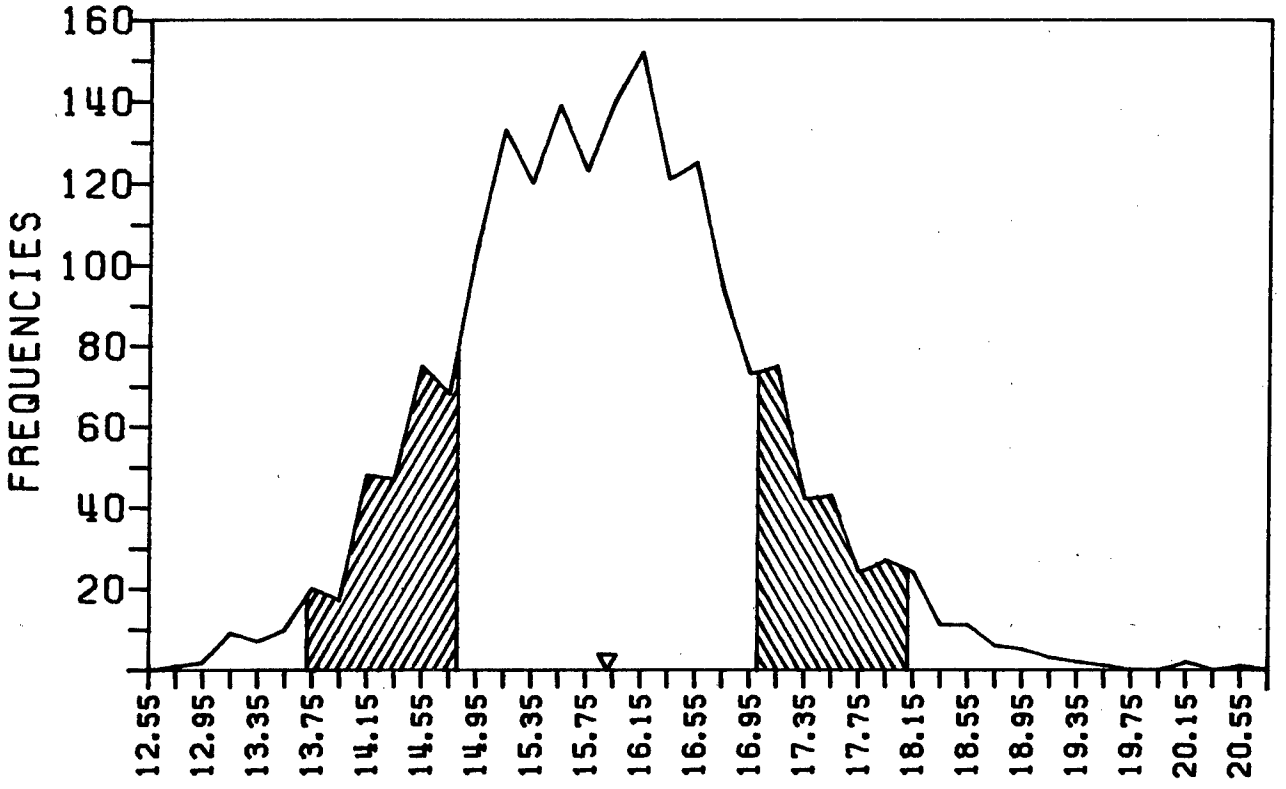
THE PERCENTILES

CENTIMETERS		INCHES
17.96	99TH	7.07
17.45	98TH	6.87
17.16	97TH	6.76
16.79	95TH	6.61
16.26	90TH	6.40
15.94	85TH	6.28
15.69	80TH	6.18
15.49	75TH	6.10
15.31	70TH	6.03
15.14	65TH	5.96
14.99	60TH	5.90
14.85	55TH	5.84
14.70	50TH	5.79
14.56	45TH	5.73
14.42	40TH	5.68
14.27	35TH	5.62
14.11	30TH	5.56
13.95	25TH	5.49
13.77	20TH	5.42
13.56	15TH	5.34
13.30	10TH	5.23
12.92	5TH	5.09
12.70	3RD	5.00
12.54	2ND	4.94
12.32	1ST	4.85

(102) SUBNASALE TO TOP OF HEAD

Subject stands under the headboard looking straight ahead. The headboard is adjusted so that its vertical and horizontal planes are in firm contact with the back and the top of the head. Positioning the head in the Frankfort plane and using the special gauge, measure the vertical distance from the horizontal plane to subnasale.





RANGES*	F	CUMF	FPCT	CUMPCT
20.45- 20.65	1	1905	0.05	100.00
20.25- 20.45	0	1904	0.00	99.95
20.05- 20.25	2	1904	0.10	99.95
19.85- 20.05	0	1902	0.00	99.84
19.65- 19.85	0	1902	0.00	99.84
19.45- 19.65	1	1902	0.05	99.84
19.25- 19.45	2	1901	0.10	99.79
19.05- 19.25	3	1899	0.16	99.69
18.85- 19.05	5	1896	0.26	99.53
18.65- 18.85	6	1891	0.31	99.27
18.45- 18.65	11	1885	0.58	98.95
18.25- 18.45	11	1874	0.58	98.37
18.05- 18.25	24	1863	1.26	97.80
17.85- 18.05	27	1839	1.42	96.54
17.65- 17.85	24	1812	1.26	95.12
17.45- 17.65	43	1788	2.26	93.86
17.25- 17.45	42	1745	2.20	91.60
17.05- 17.25	75	1703	3.94	89.40
16.85- 17.05	73	1628	3.83	85.46
16.65- 16.85	94	1555	4.93	81.63
16.45- 16.65	125	1461	6.56	76.69
16.25- 16.45	121	1336	6.35	70.13
16.05- 16.25	152	1215	7.98	63.78
15.85- 16.05	140	1063	7.35	55.80
15.65- 15.85	123	923	6.46	48.45
15.45- 15.65	139	800	7.30	41.99
15.25- 15.45	120	661	6.30	34.70
15.05- 15.25	133	541	6.98	28.40
14.85- 15.05	104	408	5.46	21.42
14.65- 14.85	68	304	3.57	15.96
14.45- 14.65	75	236	3.94	12.39
14.25- 14.45	47	161	2.47	8.45
14.05- 14.25	48	114	2.52	5.98
13.85- 14.05	17	66	0.89	3.46
13.65- 13.85	20	49	1.05	2.57
13.45- 13.65	10	29	0.52	1.52
13.25- 13.45	7	19	0.37	1.00
13.05- 13.25	9	12	0.47	0.63
12.85- 13.05	2	3	0.10	0.16
12.65- 12.85	1	1	0.05	0.05

*IN CENTIMETERS

CENTIMETERS		INCHES
15.91	MEAN VALUE	6.26
0.03	SE(MEAN)	0.01
1.10	SD DEVIATION	0.43
0.02	SE(SD DEV)	0.01

****

SYMMETRY---VETA I = 0.26
KURTOSIS---VETA II = 3.28
COEF. OF VARIATION = 6.9%

****

NUMBER OF SUBJECTS = 1905

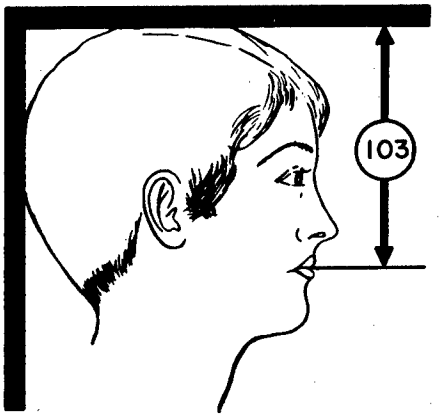
****

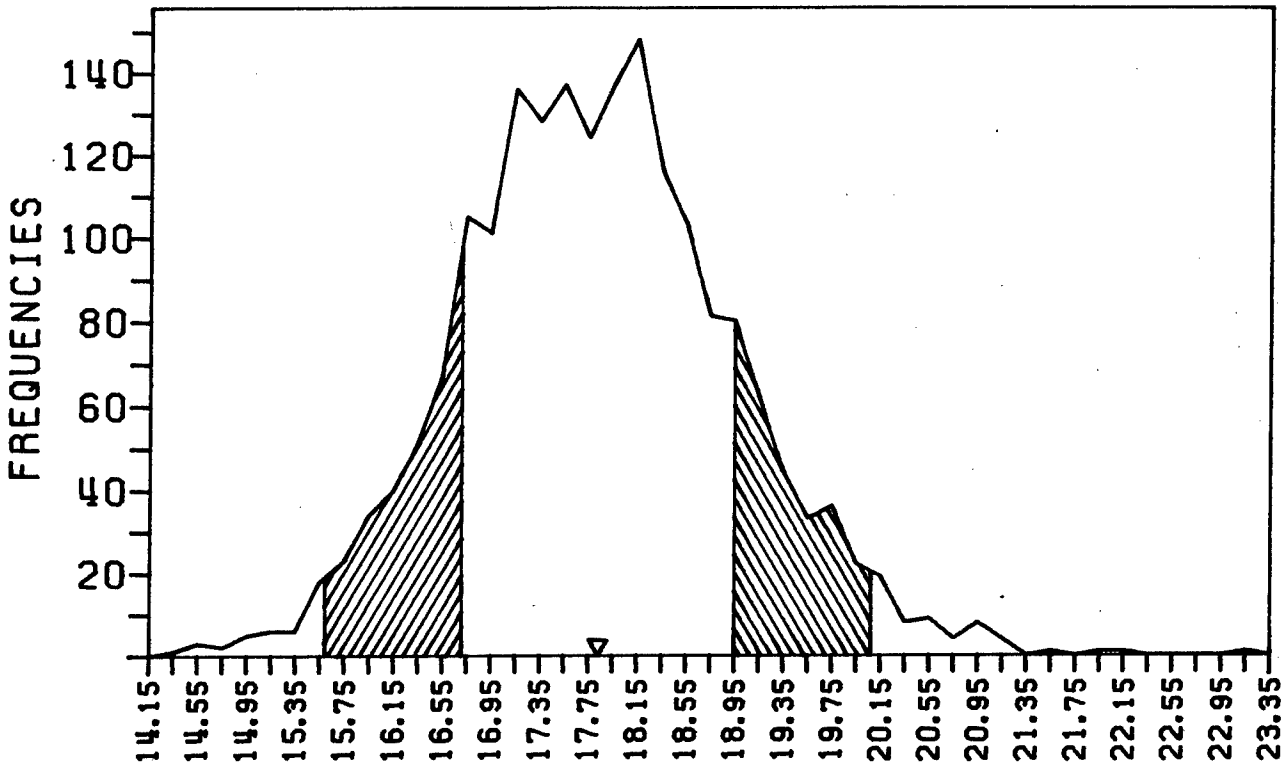
THE PERCENTILES

CENTIMETERS		INCHES
18.70	99TH	7.36
18.33	98TH	7.22
18.10	97TH	7.13
17.79	95TH	7.01
17.34	90TH	6.83
17.04	85TH	6.71
16.81	80TH	6.62
16.61	75TH	6.54
16.44	70TH	6.47
16.29	65TH	6.41
16.14	60TH	6.36
16.00	55TH	6.30
15.87	50TH	6.25
15.73	45TH	6.19
15.60	40TH	6.14
15.46	35TH	6.09
15.32	30TH	6.03
15.16	25TH	5.97
14.99	20TH	5.90
14.79	15TH	5.82
14.54	10TH	5.73
14.17	5TH	5.58
13.93	3RD	5.48
13.75	2ND	5.41
13.45	1ST	5.30

(103) STOMION TO TOP OF HEAD

Subject stands under the headboard looking straight ahead. The headboard is adjusted so that its vertical and horizontal planes are in firm contact with the back and the top of the head. Positioning the head in the Frankfort plane and using the special gauge, measure the vertical distance from the horizontal plane to stomion.





RANGES*	F	CUMF	FPCT	CUMPCT
23.05- 23.25	1	1905	0.05	100.00
22.85- 23.05	0	1904	0.00	99.95
22.65- 22.85	0	1904	0.00	99.95
22.45- 22.65	0	1904	0.00	99.95
22.25- 22.45	0	1904	0.00	99.95
22.05- 22.25	1	1904	0.05	99.95
21.85- 22.05	1	1903	0.05	99.90
21.65- 21.85	0	1902	0.00	99.84
21.45- 21.65	1	1902	0.05	99.84
21.25- 21.45	0	1901	0.00	99.79
21.05- 21.25	4	1901	0.21	99.79
20.85- 21.05	8	1897	0.42	99.58
20.65- 20.85	4	1889	0.21	99.16
20.45- 20.65	9	1885	0.47	98.95
20.25- 20.45	8	1876	0.42	98.48
20.05- 20.25	19	1868	1.00	98.06
19.85- 20.05	22	1849	1.15	97.06
19.65- 19.85	36	1827	1.89	95.91
19.45- 19.65	33	1791	1.73	94.02
19.25- 19.45	44	1758	2.31	92.28
19.05- 19.25	62	1714	3.25	89.97
18.85- 19.05	80	1652	4.20	86.72
18.65- 18.85	81	1572	4.25	82.52
18.45- 18.65	103	1491	5.41	78.27
18.25- 18.45	116	1388	6.09	72.86
18.05- 18.25	148	1272	7.77	66.77
17.85- 18.05	137	1124	7.19	59.00
17.65- 17.85	124	987	6.51	51.81
17.45- 17.65	137	863	7.19	45.30
17.25- 17.45	128	726	6.72	38.11
17.05- 17.25	136	598	7.14	31.39
16.85- 17.05	101	462	5.30	24.25
16.65- 16.85	105	361	5.51	18.95
16.45- 16.65	67	256	3.52	13.44
16.25- 16.45	51	189	2.68	9.92
16.05- 16.25	40	138	2.10	7.24
15.85- 16.05	34	98	1.78	5.14
15.65- 15.85	23	64	1.21	3.36
15.45- 15.65	18	41	0.94	2.15
15.25- 15.45	6	23	0.31	1.21
15.05- 15.25	6	17	0.31	0.89
14.85- 15.05	5	11	0.26	0.58
14.65- 14.85	2	6	0.10	0.31
14.45- 14.65	3	4	0.16	0.21
14.25- 14.45	1	1	0.05	0.05

*IN CENTIMETERS

CENTIMETERS		INCHES
17.83	MEAN VALUE	7.02
0.03	SE(MEAN)	0.01
1.12	SD DEVIATION	0.44
0.02	SE(SD DEV)	0.01

****

SYMMETRY---VETA I = 0.24
KURTOSIS---VETA II = 3.42
COEF. OF VARIATION = 6.3%

****

NUMBER OF SUBJECTS = 1905

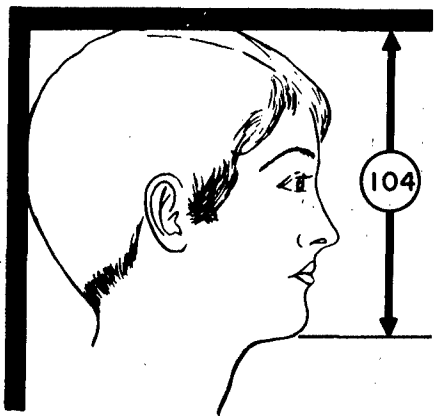
****

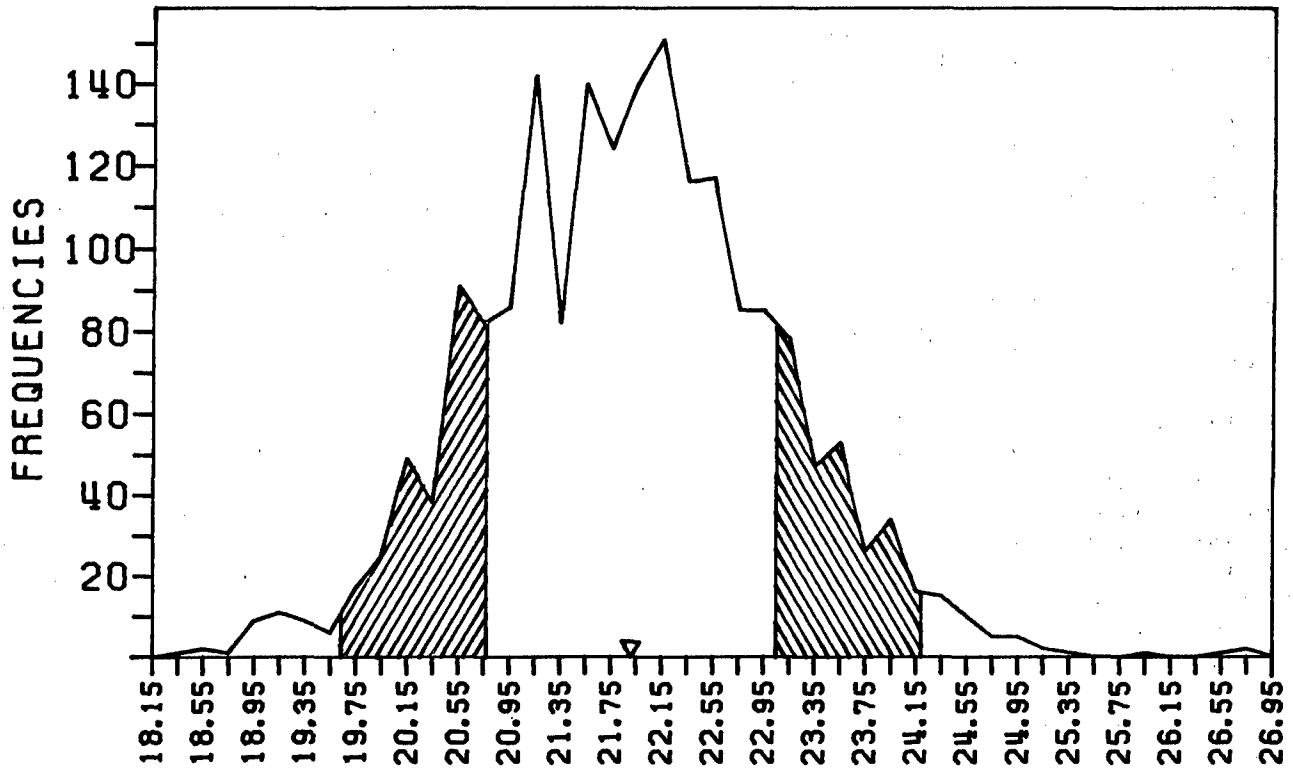
THE PERCENTILES

CENTIMETERS		INCHES
20.68	99TH	8.14
20.28	98TH	7.99
20.04	97TH	7.89
19.72	95TH	7.77
19.26	90TH	7.58
18.96	85TH	7.46
18.73	80TH	7.37
18.53	75TH	7.30
18.36	70TH	7.23
18.21	65TH	7.17
18.06	60TH	7.11
17.92	55TH	7.06
17.79	50TH	7.00
17.65	45TH	6.95
17.51	40TH	6.90
17.37	35TH	6.84
17.23	30TH	6.78
17.07	25TH	6.72
16.89	20TH	6.65
16.69	15TH	6.57
16.43	10TH	6.47
16.05	5TH	6.32
15.80	3RD	6.22
15.61	2ND	6.15
15.32	1ST	6.03

(104) MENTON TO TOP OF HEAD

Subject stands under the headboard looking straight ahead. The headboard is adjusted so that its vertical and horizontal planes are in firm contact with the back and the top of the head. Positioning the head in the Frankfort plane and using the special gauge, measure the vertical distance from the horizontal plane to the menton landmark.





RANGES*	F	CUMF	FPCT	CUMPCT
26.65- 26.85	2	1905	0.10	100.00
26.45- 26.65	1	1903	0.05	99.90
26.25- 26.45	0	1902	0.00	99.84
26.05- 26.25	0	1902	0.00	99.84
25.85- 26.05	1	1902	0.05	99.84
25.65- 25.85	0	1901	0.00	99.79
25.45- 25.65	0	1901	0.00	99.79
25.25- 25.45	1	1901	0.05	99.79
25.05- 25.25	2	1900	0.10	99.74
24.85- 25.05	5	1898	0.26	99.63
24.65- 24.85	5	1893	0.26	99.37
24.45- 24.65	10	1888	0.52	99.11
24.25- 24.45	15	1878	0.79	98.58
24.05- 24.25	16	1863	0.84	97.80
23.85- 24.05	34	1847	1.78	96.96
23.65- 23.85	26	1813	1.36	95.17
23.45- 23.65	53	1787	2.78	93.81
23.25- 23.45	47	1734	2.47	91.02
23.05- 23.25	78	1687	4.09	88.56
22.85- 23.05	85	1609	4.46	84.46
22.65- 22.85	85	1524	4.46	80.00
22.45- 22.65	117	1439	6.14	75.54
22.25- 22.45	116	1322	6.09	69.40
22.05- 22.25	151	1206	7.93	63.31
21.85- 22.05	140	1055	7.35	55.38
21.65- 21.85	124	915	6.51	48.03
21.45- 21.65	140	791	7.35	41.52
21.25- 21.45	82	651	4.30	34.17
21.05- 21.25	142	569	7.45	29.87
20.85- 21.05	86	427	4.51	22.41
20.65- 20.85	82	341	4.30	17.90
20.45- 20.65	91	259	4.78	13.60
20.25- 20.45	38	168	1.99	8.82
20.05- 20.25	49	130	2.57	6.82
19.85- 20.05	25	81	1.31	4.25
19.65- 19.85	17	56	0.89	2.94
19.45- 19.65	6	39	0.31	2.05
19.25- 19.45	9	33	0.47	1.73
19.05- 19.25	11	24	0.58	1.26
18.85- 19.05	9	13	0.47	0.68
18.65- 18.85	1	4	0.05	0.21
18.45- 18.65	2	3	0.10	0.16
18.25- 18.45	1	1	0.05	0.05

*IN CENTIMETERS

CENTIMETERS		INCHES
21.91	MEAN VALUE	8.62
0.03	SE(MEAN)	0.01
1.14	SD DEVIATION	0.45
0.02	SE(SD DEV)	0.01

****

SYMMETRY---VETA I = 0.15
KURTOSIS---VETA II = 3.30
COEF. OF VARIATION = 5.2%

****

NUMBER OF SUBJECTS = 1905

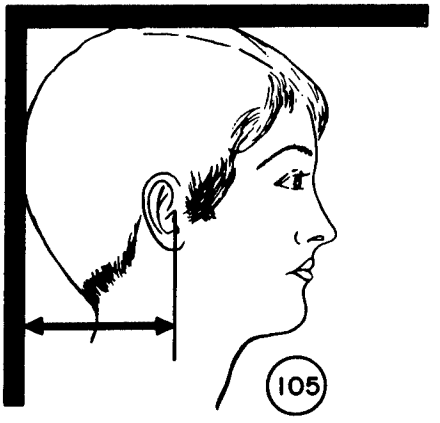
****

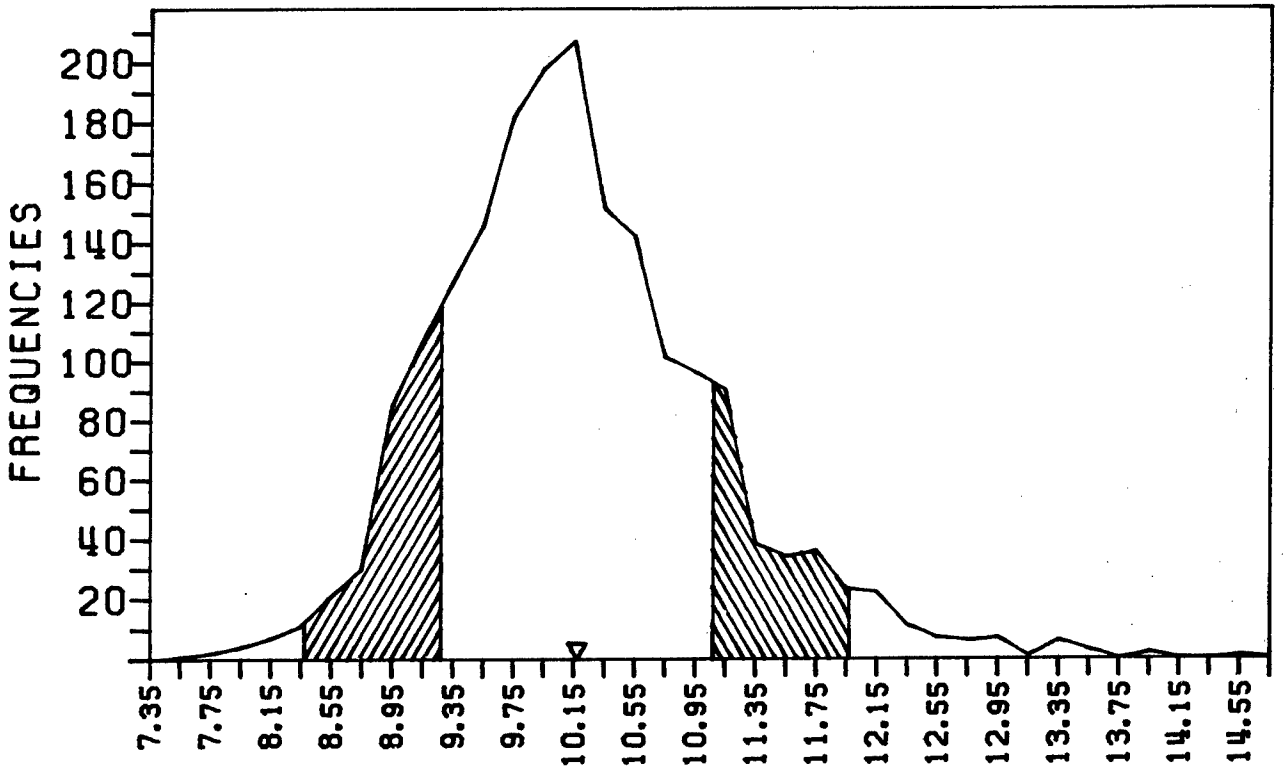
THE PERCENTILES

CENTIMETERS		INCHES
24.59	99TH	9.68
24.30	98TH	9.57
24.10	97TH	9.49
23.82	95TH	9.38
23.38	90TH	9.20
23.08	85TH	9.09
22.84	80TH	8.99
22.64	75TH	8.92
22.47	70TH	8.85
22.31	65TH	8.78
22.16	60TH	8.72
22.01	55TH	8.67
21.87	50TH	8.61
21.73	45TH	8.56
21.60	40TH	8.50
21.45	35TH	8.45
21.31	30TH	8.39
21.15	25TH	8.33
20.97	20TH	8.26
20.76	15TH	8.17
20.50	10TH	8.07
20.09	5TH	7.91
19.81	3RD	7.80
19.59	2ND	7.71
19.21	1ST	7.56

(105) TRAGION TO WALL

Subject stands under the headboard looking straight ahead. The headboard is adjusted so that its vertical and horizontal planes are in firm contact with the back and the top of the head. Positioning the head in the Frankfort plane and using the special gauge, measure the horizontal distance from the vertical plane to the right tragion landmark.





RANGES*	F	CUMF	FPCT	CUMPCT
14.45- 14.65	1	1905	0.05	100.00
14.25- 14.45	0	1904	0.00	99.95
14.05- 14.25	0	1904	0.00	99.95
13.85- 14.05	2	1904	0.10	99.95
13.65- 13.85	0	1902	0.00	99.84
13.45- 13.65	3	1902	0.16	99.84
13.25- 13.45	6	1899	0.31	99.69
13.05- 13.25	1	1893	0.05	99.37
12.85- 13.05	7	1892	0.37	99.32
12.65- 12.85	6	1885	0.31	98.95
12.45- 12.65	7	1879	0.37	98.64
12.25- 12.45	11	1872	0.58	98.27
12.05- 12.25	22	1861	1.15	97.69
11.85- 12.05	23	1839	1.21	96.54
11.65- 11.85	36	1816	1.89	95.33
11.45- 11.65	34	1780	1.78	93.44
11.25- 11.45	38	1746	1.99	91.65
11.05- 11.25	90	1708	4.72	89.66
10.85- 11.05	96	1618	5.04	84.93
10.65- 10.85	101	1522	5.30	79.90
10.45- 10.65	142	1421	7.45	74.59
10.25- 10.45	151	1279	7.93	67.14
10.05- 10.25	207	1128	10.87	59.21
9.85- 10.05	198	921	10.39	48.35
9.65- 9.85	182	723	9.55	37.95
9.45- 9.65	146	541	7.66	28.40
9.25- 9.45	127	395	6.67	20.73
9.05- 9.25	107	268	5.62	14.07
8.85- 9.05	85	161	4.46	8.45
8.65- 8.85	30	76	1.57	3.99
8.45- 8.65	21	46	1.10	2.41
8.25- 8.45	11	25	0.58	1.31
8.05- 8.25	7	14	0.37	0.73
7.85- 8.05	4	7	0.21	0.37
7.65- 7.85	2	3	0.10	0.16
7.45- 7.65	1	1	0.05	0.05

*IN CENTIMETERS

CENTIMETERS		INCHES
10.17	MEAN VALUE	4.00
0.02	SE(MEAN)	0.01
0.90	SD DEVIATION	0.35
0.01	SE(SD DEV)	0.01

****

SYMMETRY---VETA I = 0.70
KURTOSIS---VETA II = 4.19
COEF. OF VARIATION = 8.8%

****

NUMBER OF SUBJECTS = 1905

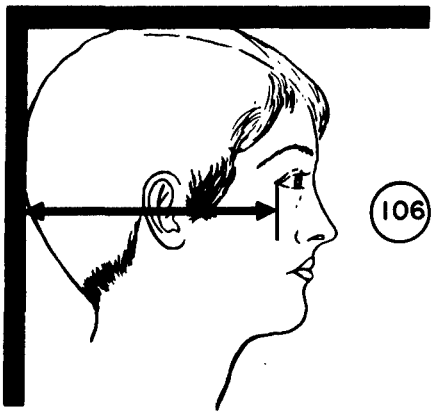
****

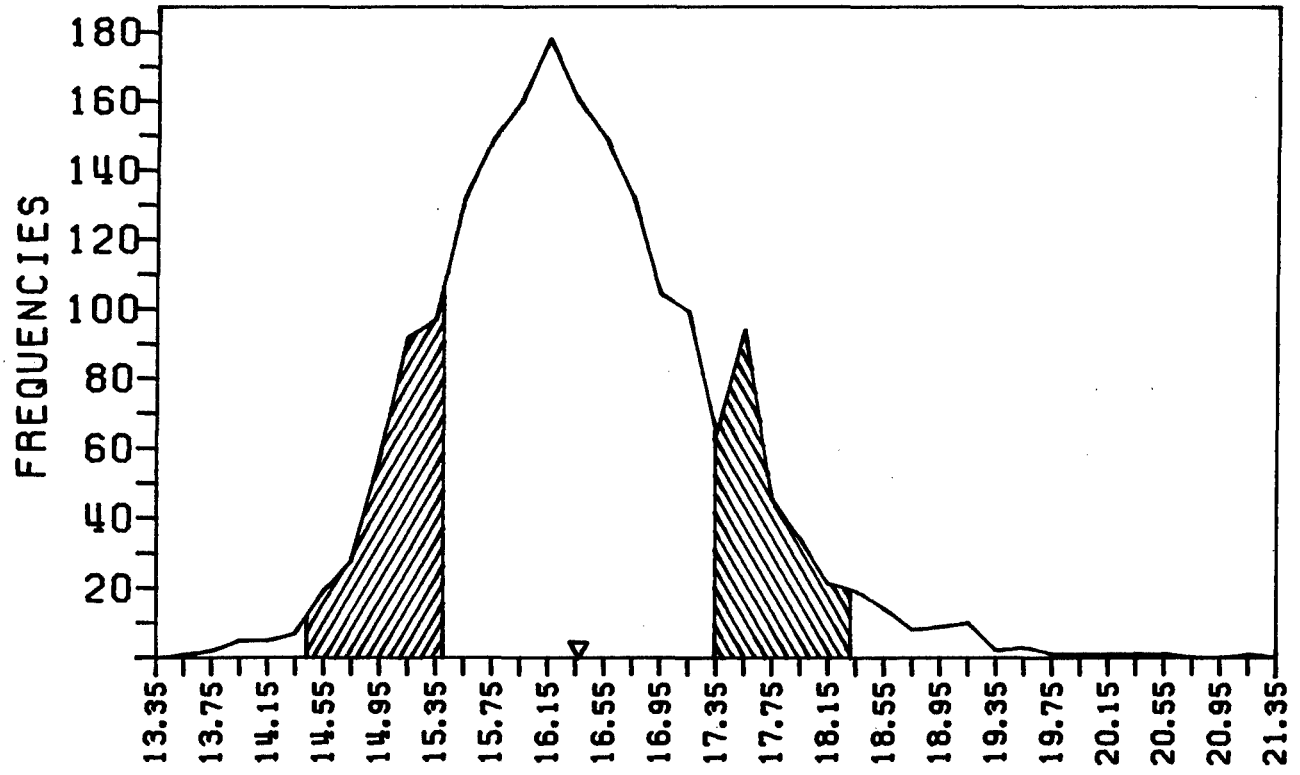
THE PERCENTILES

CENTIMETERS		INCHES
12.86	99TH	5.06
12.40	98TH	4.88
12.13	97TH	4.77
11.79	95TH	4.64
11.32	90TH	4.46
11.04	85TH	4.35
10.83	80TH	4.27
10.67	75TH	4.20
10.53	70TH	4.14
10.40	65TH	4.09
10.29	60TH	4.05
10.18	55TH	4.01
10.08	50TH	3.97
9.98	45TH	3.93
9.88	40TH	3.89
9.78	35TH	3.85
9.67	30TH	3.81
9.56	25TH	3.77
9.44	20TH	3.72
9.30	15TH	3.66
9.13	10TH	3.59
8.87	5TH	3.49
8.70	3RD	3.42
8.57	2ND	3.37
8.36	1ST	3.29

(106) ECTOCANTHUS TO WALL

Subject stands under the headboard looking straight ahead. The headboard is adjusted so that its vertical and horizontal planes are in firm contact with the back and the top of the head. Positioning the head in the Frankfort plane and using the special gauge, measure the horizontal distance from the vertical plane to the right ectocanthus.





RANGES*	F	CUMF	FPCT	CUMPCT
21.05- 21.25	1	1905	0.05	100.00
20.85- 21.05	0	1904	0.00	99.95
20.65- 20.85	0	1904	0.00	99.95
20.45- 20.65	1	1904	0.05	99.95
20.25- 20.45	1	1903	0.05	99.90
20.05- 20.25	1	1902	0.05	99.84
19.85- 20.05	1	1901	0.05	99.79
19.65- 19.85	1	1900	0.05	99.74
19.45- 19.65	3	1899	0.16	99.69
19.25- 19.45	2	1896	0.10	99.53
19.05- 19.25	10	1894	0.52	99.42
18.85- 19.05	9	1884	0.47	98.90
18.65- 18.85	8	1875	0.42	98.43
18.45- 18.65	14	1867	0.73	98.01
18.25- 18.45	19	1853	1.00	97.27
18.05- 18.25	21	1834	1.10	96.27
17.85- 18.05	34	1813	1.78	95.17
17.65- 17.85	45	1779	2.36	93.39
17.45- 17.65	94	1734	4.93	91.02
17.25- 17.45	64	1640	3.36	86.09
17.05- 17.25	99	1576	5.20	82.73
16.85- 17.05	104	1477	5.46	77.53
16.65- 16.85	132	1373	6.93	72.07
16.45- 16.65	149	1241	7.82	65.14
16.25- 16.45	160	1092	8.40	57.32
16.05- 16.25	178	932	9.34	48.92
15.85- 16.05	160	754	8.40	39.58
15.65- 15.85	149	594	7.82	31.18
15.45- 15.65	132	445	6.93	23.36
15.25- 15.45	97	313	5.09	16.43
15.05- 15.25	92	216	4.83	11.34
14.85- 15.05	57	124	2.99	6.51
14.65- 14.85	28	67	1.47	3.52
14.45- 14.65	19	39	1.00	2.05
14.25- 14.45	7	20	0.37	1.05
14.05- 14.25	5	13	0.26	0.68
13.85- 14.05	5	8	0.26	0.42
13.65- 13.85	2	3	0.10	0.16
13.45- 13.65	1	1	0.05	0.05

*IN CENTIMETERS

CENTIMETERS		INCHES
16.37	MEAN VALUE	6.44
0.02	SE(MEAN)	0.01
0.97	SD DEVIATION	0.38
0.02	SE(SD DEV)	0.01

****

SYMMETRY---VETA I = 0.56
KURTOSIS---VETA II = 3.83
COEF. OF VARIATION = 5.9%

****

NUMBER OF SUBJECTS = 1905

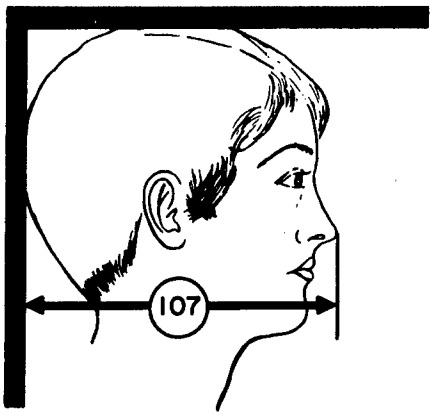
****

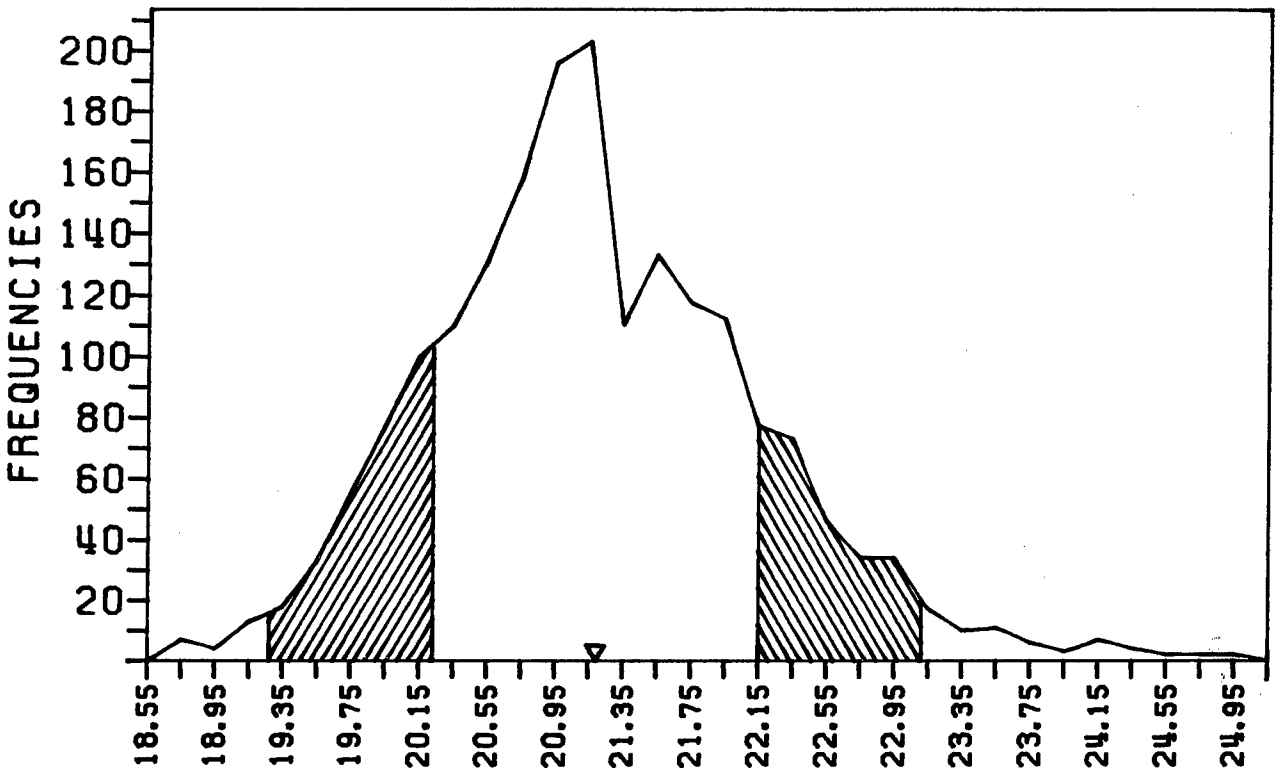
THE PERCENTILES

CENTIMETERS		INCHES
19.07	99TH	7.51
18.65	98TH	7.34
18.40	97TH	7.24
18.08	95TH	7.12
17.62	90TH	6.94
17.34	85TH	6.83
17.12	80TH	6.74
16.94	75TH	6.67
16.7[illegible]	70TH	6.6[illegible]
16.65	65TH	6.56
16.52	60TH	6.51
16.40	55TH	6.46
16.28	50TH	6.41
16.17	45TH	6.37
16.06	40TH	6.32
15.94	35TH	6.28
15.82	30TH	6.23
15.70	25TH	6.18
15.56	20TH	6.13
15.40	15TH	6.06
15.21	10TH	5.99
14.93	5TH	5.88
14.76	3RD	5.81
14.63	2ND	5.76
14.44	1ST	5.69

(107) PRONASALE TO WALL

Subject stands under the headboard looking straight ahead. The headboard is adjusted so that its vertical and horizontal planes are in firm contact with the back and the top of the head. Positioning the head in the Frankfort plane and using the special gauge, measure the horizontal distance from the vertical plane to pronasale.





RANGES*	F	CUMF	FPCT	CUMPCT
24.85- 25.05	2	1905	0.10	100.00
24.65- 24.85	2	1903	0.10	99.90
24.45- 24.65	2	1901	0.10	99.79
24.25- 24.45	4	1899	0.21	99.69
24.05- 24.25	7	1895	0.37	99.48
23.85- 24.05	3	1888	0.16	99.11
23.65- 23.85	6	1885	0.31	98.95
23.45- 23.65	11	1879	0.58	98.64
23.25- 23.45	10	1868	0.52	98.06
23.05- 23.25	17	1858	0.89	97.53
22.85- 23.05	34	1841	1.78	96.64
22.65- 22.85	34	1807	1.78	94.86
22.45- 22.65	46	1773	2.41	93.07
22.25- 22.45	73	1727	3.83	90.66
22.05- 22.25	77	1654	4.04	86.82
21.85- 22.05	112	1577	5.88	82.78
21.65- 21.85	117	1465	6.14	76.90
21.45- 21.65	133	1348	6.98	70.76
21.25- 21.45	110	1215	5.77	63.78
21.05- 21.25	203	1105	10.66	58.01
20.85- 21.05	196	902	10.29	47.35
20.65- 20.85	158	706	8.29	37.06
20.45- 20.65	131	548	6.88	28.77
20.25- 20.45	110	417	5.77	21.89
20.05- 20.25	100	307	5.25	16.12
19.85- 20.05	77	207	4.04	10.87
19.65- 19.85	55	130	2.89	6.82
19.45- 19.65	33	75	1.73	3.94
19.25- 19.45	18	42	0.94	2.20
19.05- 19.25	13	24	0.68	1.26
18.85- 19.05	4	11	0.21	0.58
18.65- 18.85	7	7	0.37	0.37

*IN CENTIMETERS

CENTIMETERS		INCHES
21.1	MEAN VALUE	8.34
0.02	SE(MEAN)	0.01
0.96	SD DEVIATION	0.38
0.02	SE(SD DEV)	0.01

****

SYMMETRY---VETA I = 0.47
KURTOSIS---VETA II = 3.56
COEF. OF VARIATION = 4.5%

****

NUMBER OF SUBJECTS = 1905

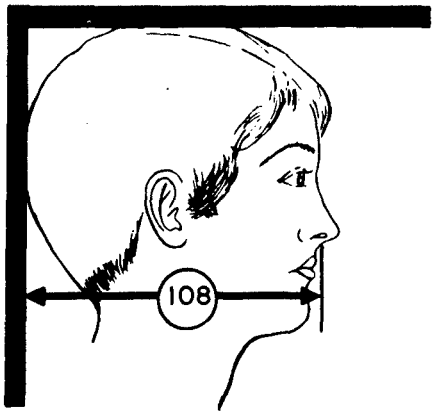
****

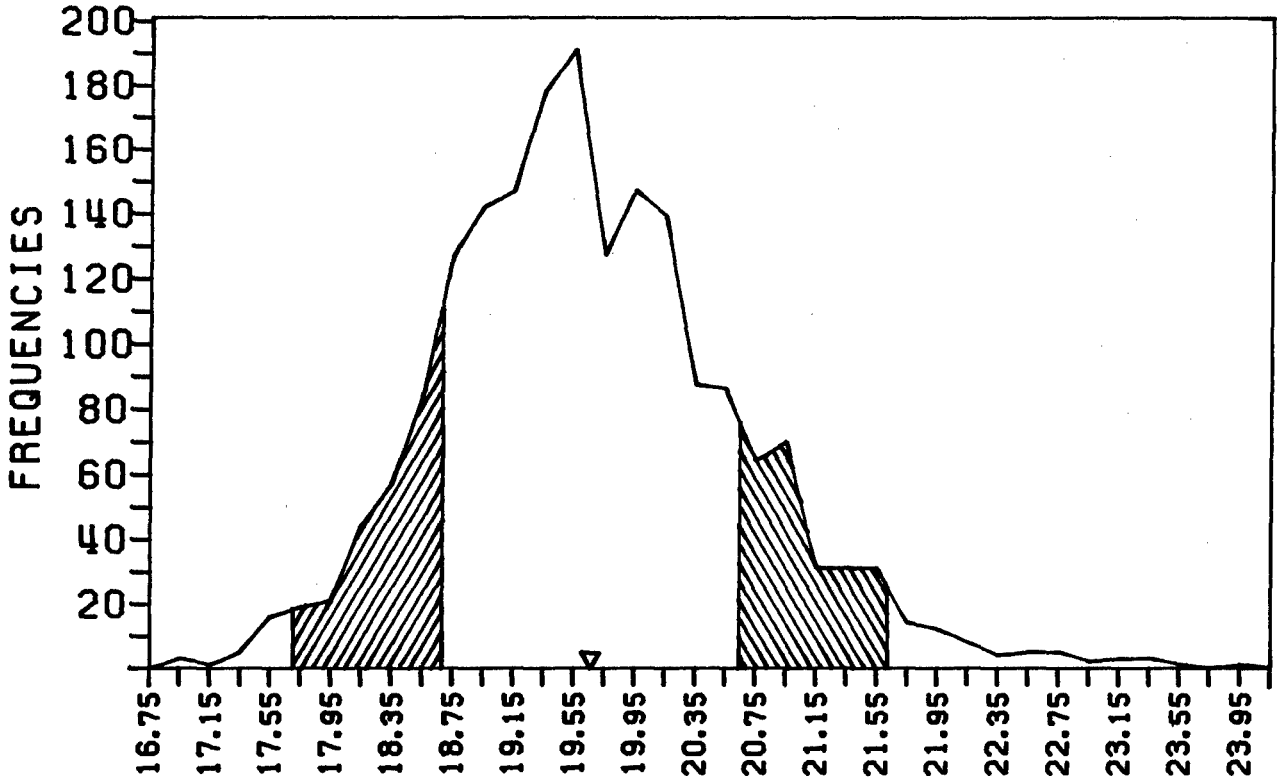
THE PERCENTILES

CENTIMETERS		INCHES
23.88	99TH	9.40
23.44	98TH	9.23
23.18	97TH	9.13
22.86	95TH	9.00
22.41	90TH	8.82
22.14	85TH	8.72
21.93	80TH	8.63
21.76	75TH	8.57
21.61	70TH	8.51
21.48	65TH	8.46
21.36	60TH	8.41
21.24	55TH	8.36
21.12	50TH	8.32
21.01	45TH	8.27
20.90	40TH	8.23
20.78	35TH	8.18
20.66	30TH	8.13
20.53	25TH	8.08
20.39	20TH	8.03
20.22	15TH	7.96
20.02	10TH	7.88
19.72	5TH	7.76
19.53	3RD	7.69
19.39	2ND	7.64
19.19	1ST	7.55

(108) SUBNASALE TO WALL

Subject stands under the headboard looking straight ahead. The headboard is adjusted so that its vertical and horizontal planes are in firm contact with the back and the top of the head. Positioning the head in the Frankfort plane and using the special gauge, measure the horizontal distance from the vertical plane to subnasale.





RANGES*	F	CUMF	FPCT	CUMPCT
23.85- 24.05	1	1905	0.05	100.00
23.65- 23.85	0	1904	0.00	99.95
23.45- 23.65	1	1904	0.05	99.95
23.25- 23.45	3	1903	0.16	99.90
23.05- 23.25	3	1900	0.16	99.74
22.85- 23.05	2	1897	0.10	99.58
22.65- 22.85	5	1895	0.26	99.48
22.45- 22.65	5	1890	0.26	99.21
22.25- 22.45	4	1885	0.21	98.95
22.05- 22.25	8	1881	0.42	98.74
21.85- 22.05	12	1873	0.63	98.32
21.65- 21.85	14	1861	0.73	97.69
21.45- 21.65	31	1847	1.63	96.96
21.25- 21.45	31	1816	1.63	95.33
21.05- 21.25	31	1785	1.63	93.70
20.85- 21.05	70	1754	3.67	92.07
20.65- 20.85	64	1684	3.36	88.40
20.45- 20.65	86	1620	4.51	85.04
20.25- 20.45	87	1534	4.57	80.52
20.05- 20.25	139	1447	7.30	75.96
19.85- 20.05	147	1308	7.72	68.66
19.65- 19.85	127	1161	6.67	60.94
19.45- 19.65	191	1034	10.03	54.28
19.25- 19.45	178	843	9.34	44.25
19.05- 19.25	147	665	7.72	34.91
18.85- 19.05	142	518	7.45	27.19
18.65- 18.85	127	376	6.67	19.74
18.45- 18.65	83	249	4.36	13.07
18.25- 18.45	57	166	2.99	8.71
18.05- 18.25	44	109	2.31	5.72
17.85- 18.05	21	65	1.10	3.41
17.65- 17.85	19	44	1.00	2.31
17.45- 17.65	16	25	0.84	1.31
17.25- 17.45	5	9	0.26	0.47
17.05- 17.25	1	4	0.05	0.21
16.85- 17.05	3	3	0.16	0.16

*IN CENTIMETERS

CENTIMETERS		INCHES
19.66	MEAN VALUE	7.74
0.02	SE(MEAN)	0.01
0.98	SD DEVIATION	0.39
0.02	SE(SD DEV)	0.01

****

SYMMETRY---VETA I = 0.53
KURTOSIS---VETA II = 3.76
COEF. OF VARIATION = 5.0%

****

NUMBER OF SUBJECTS = 1905

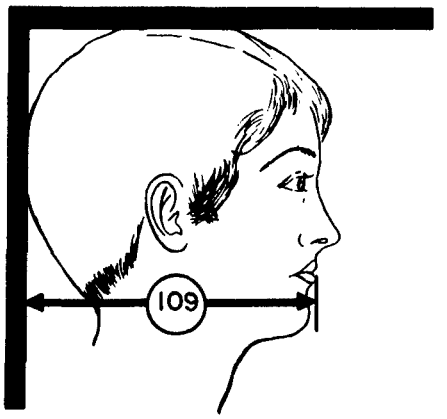
****

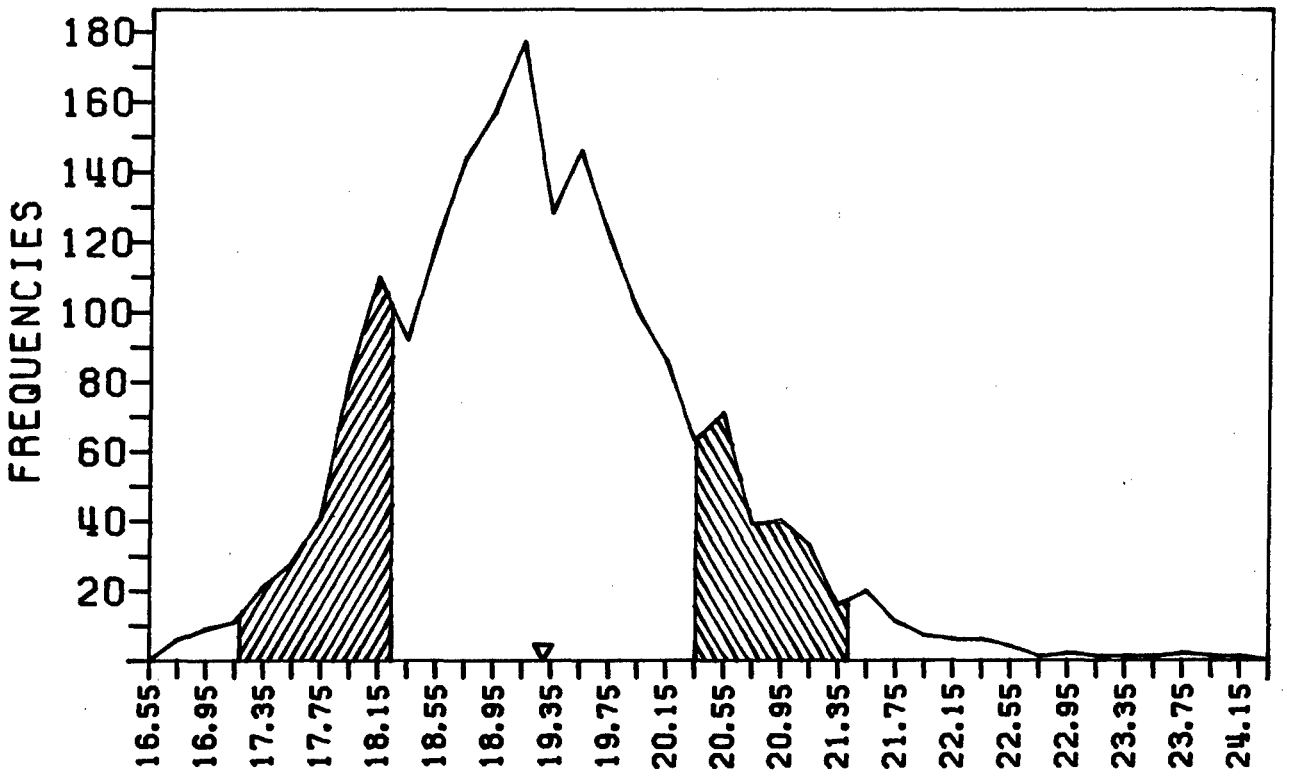
THE PERCENTILES

CENTIMETERS		INCHES
22.44	99TH	8.84
21.99	98TH	8.66
21.72	97TH	8.55
21.38	95TH	8.42
20.91	90TH	8.23
20.62	85TH	8.12
20.41	80TH	8.04
20.23	75TH	7.97
20.08	70TH	7.91
19.94	65TH	7.85
19.82	60TH	7.80
19.70	55TH	7.76
19.59	50TH	7.71
19.47	45TH	7.67
19.36	40TH	7.62
19.25	35TH	7.58
19.13	30TH	7.53
19.00	25TH	7.48
18.86	20TH	7.42
18.70	15TH	7.36
18.49	10TH	7.28
18.18	5TH	7.16
17.97	3RD	7.08
17.82	2ND	7.01
17.57	1ST	6.92

(109) LIP PROTRUSION TO WALL

Subject stands under the headboard looking straight ahead. The headboard is adjusted so that its vertical and horizontal planes are in firm contact with the back and the top of the head. Positioning the head in the Frankfort plane and using the special gauge, measure the horizontal distance from the wall to the point of greatest anterior lip protrusion.





RANGES*	F	CUMF	FPCT	CUMPCT
24.05- 24.25	1	1905	0.05	100.00
23.85- 24.05	1	1904	0.05	99.95
23.65- 23.85	2	1903	0.10	99.90
23.45- 23.65	1	1901	0.05	99.79
23.25- 23.45	1	1900	0.05	99.74
23.05- 23.25	1	1899	0.05	99.69
22.85- 23.05	2	1898	0.10	99.63
22.65- 22.85	1	1896	0.05	99.53
22.45- 22.65	4	1895	0.21	99.48
22.25- 22.45	6	1891	0.31	99.27
22.05- 22.25	6	1885	0.31	98.95
21.85- 22.05	7	1879	0.37	98.64
21.65- 21.85	11	1872	0.58	98.27
21.45- 21.65	20	1861	1.05	97.69
21.25- 21.45	16	1841	0.84	96.64
21.05- 21.25	33	1825	1.73	95.80
20.85- 21.05	40	1792	2.10	94.07
20.65- 20.85	39	1752	2.05	91.97
20.45- 20.65	71	1713	3.73	89.92
20.25- 20.45	63	1642	3.31	86.19
20.05- 20.25	86	1579	4.51	82.89
19.85- 20.05	100	1493	5.25	78.37
19.65- 19.85	121	1393	6.35	73.12
19.45- 19.65	146	1272	7.66	66.77
19.25- 19.45	128	1126	6.72	59.11
19.05- 19.25	177	998	9.29	52.39
18.85- 19.05	157	821	8.24	43.10
18.65- 18.85	144	664	7.56	34.86
18.45- 18.65	120	520	6.30	27.30
18.25- 18.45	92	400	4.83	21.00
18.05- 18.25	110	308	5.77	16.17
17.85- 18.05	82	198	4.30	10.39
17.65- 17.85	41	116	2.15	6.09
17.45- 17.65	28	75	1.47	3.94
17.25- 17.45	21	47	1.10	2.47
17.05- 17.25	11	26	0.58	1.36
16.85- 17.05	9	15	0.47	0.79
16.65- 16.85	6	6	0.31	0.31

*IN CENTIMETERS

CENTIMETERS		INCHES
19.30	MEAN VALUE	7.60
0.02	SE(MEAN)	0.01
1.06	SD DEVIATION	0.42
0.02	SE(SD DEV)	0.01

****

SYMMETRY---VETA I = 0.59
KURTOSIS---VETA II = 3.91
COEF. OF VARIATION = 5.5%

****

NUMBER OF SUBJECTS = 1905

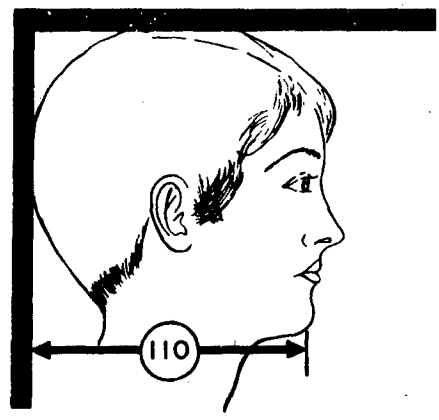
****

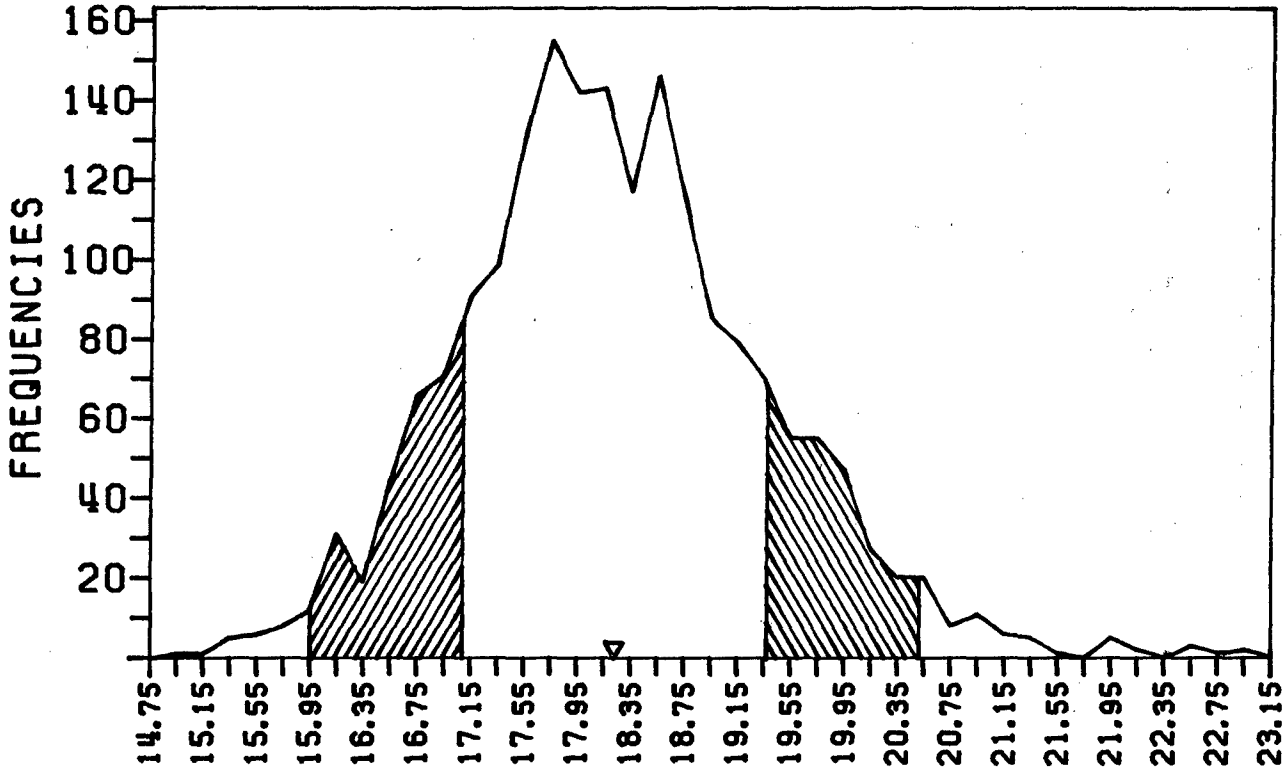
THE PERCENTILES

CENTIMETERS		INCHES
22.26	99TH	8.76
21.79	98TH	8.58
21.52	97TH	8.47
21.16	95TH	8.33
20.66	90TH	8.13
20.35	85TH	8.01
20.12	80TH	7.92
19.92	75TH	7.84
19.76	70TH	7.78
19.61	65TH	7.72
19.47	60TH	7.66
19.34	55TH	7.61
19.21	50TH	7.56
19.09	45TH	7.52
18.97	40TH	7.47
18.84	35TH	7.42
18.71	30TH	7.37
18.57	25TH	7.31
18.42	20TH	7.25
18.25	15TH	7.18
18.03	10TH	7.10
17.72	5TH	6.98
17.51	3RD	6.90
17.37	2ND	6.84
17.13	1ST	6.75

(110) MENTON TO WALL

Subject stands under the headboard looking straight ahead. The headboard is adjusted so that its vertical and horizontal planes are in firm contact with the back and the top of the head. Positioning the head in the Frankfort plane and using the special gauge, measure the horizontal distance from the vertical plane to the menton landmark.





RANGES*	F	CUMF	FPCT	CUMPCT
22.85- 23.05	2	1905	0.10	100.00
22.65- 22.85	1	1903	0.05	99.90
22.45- 22.65	3	1902	0.16	99.84
22.25- 22.45	0	1899	0.00	99.69
22.05- 22.25	2	1899	0.10	99.69
21.85- 22.05	5	1897	0.26	99.58
21.65- 21.85	0	1892	0.00	99.32
21.45- 21.65	1	1892	0.05	99.32
21.25- 21.45	5	1891	0.26	99.27
21.05- 21.25	6	1886	0.31	99.00
20.85- 21.05	11	1880	0.58	98.69
20.65- 20.85	8	1869	0.42	98.11
20.45- 20.65	20	1861	1.05	97.69
20.25- 20.45	20	1841	1.05	96.64
20.05- 20.25	27	1821	1.42	95.59
19.85- 20.05	47	1794	2.47	94.17
19.65- 19.85	55	1747	2.89	91.71
19.45- 19.65	55	1692	2.89	88.82
19.25- 19.45	70	1637	3.67	85.93
19.05- 19.25	79	1567	4.15	82.26
18.85- 19.05	85	1488	4.46	78.11
18.65- 18.85	115	1403	6.04	73.65
18.45- 18.65	146	1288	7.66	67.61
18.25- 18.45	117	1142	6.14	59.95
18.05- 18.25	143	1025	7.51	53.81
17.85- 18.05	142	882	7.45	46.30
17.65- 17.85	155	740	8.14	38.85
17.45- 17.65	131	585	6.88	30.71
17.25- 17.45	99	454	5.20	23.83
17.05- 17.25	91	355	4.78	18.64
16.85- 17.05	71	264	3.73	13.86
16.65- 16.85	66	193	3.46	10.13
16.45- 16.65	44	127	2.31	6.67
16.25- 16.45	19	83	1.00	4.36
16.05- 16.25	31	64	1.63	3.36
15.85- 16.05	12	33	0.63	1.73
15.65- 15.85	8	21	0.42	1.10
15.45- 15.65	6	13	0.31	0.68
15.25- 15.45	5	7	0.26	0.37
15.05- 15.25	1	2	0.05	0.10
14.85- 15.05	1	1	0.05	0.05

*IN CENTIMETERS

CENTIMETERS		INCHES
18.23	MEAN VALUE	7.18
0.03	SE(MEAN)	0.01
1.14	SD DEVIATION	0.45
0.02	SE(SD DEV)	0.01

****

SYMMETRY---VETA I = 0.43
KURTOSIS---VETA II = 3.63
COEF. OF VARIATION = 6.2%

****

NUMBER OF SUBJECTS = 1905

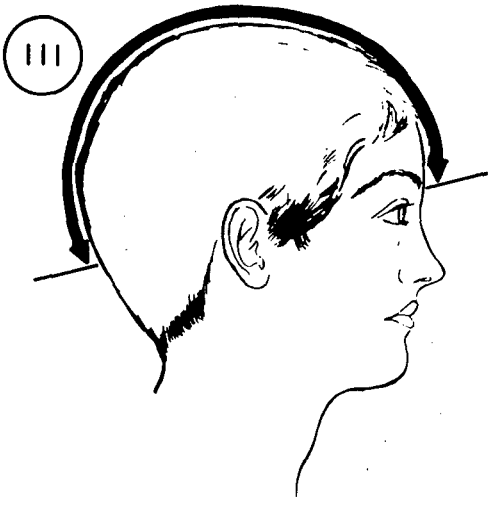
****

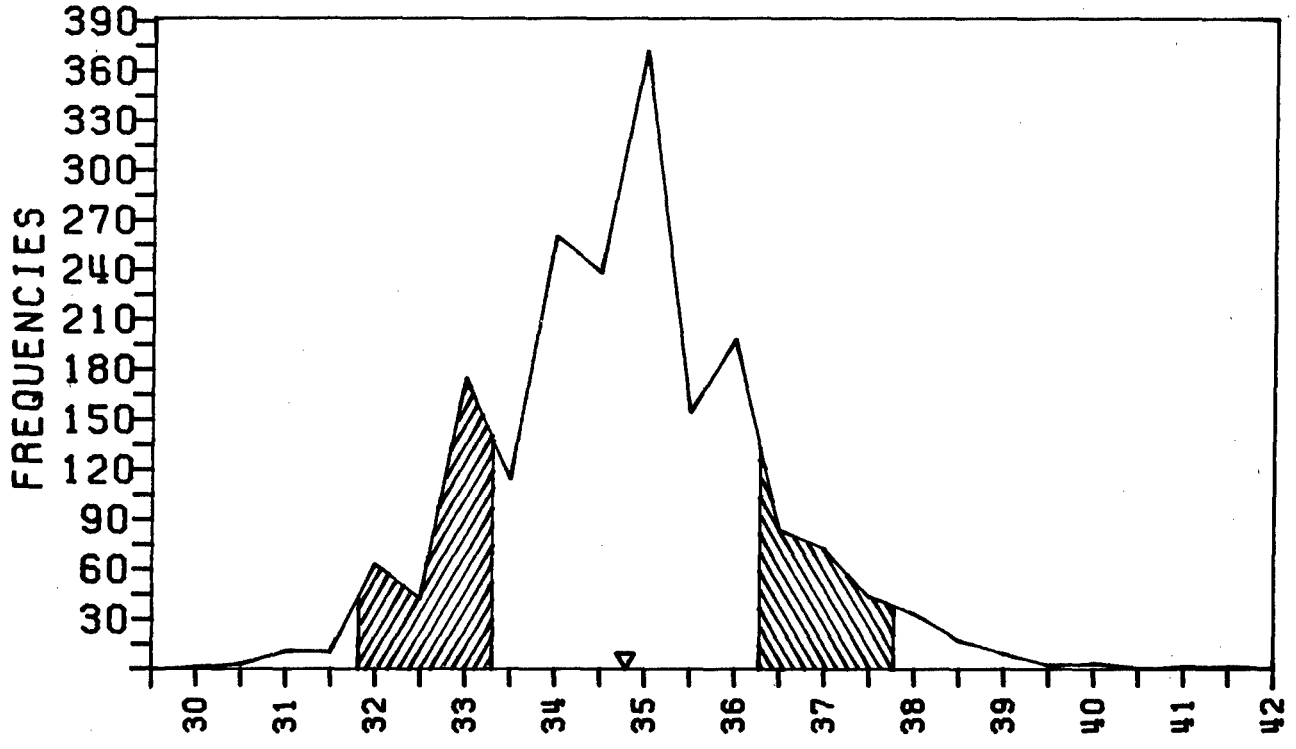
THE PERCENTILES

CENTIMETERS		INCHES
21.24	99TH	8.36
20.80	98TH	8.19
20.54	97TH	8.09
20.19	95TH	7.95
19.69	90TH	7.75
19.37	85TH	7.63
19.13	80TH	7.53
18.93	75TH	7.45
18.75	70TH	7.38
18.59	65TH	7.32
18.44	60TH	7.26
18.30	55TH	7.20
18.16	50TH	7.15
18.03	45TH	7.10
17.89	40TH	7.04
17.76	35TH	6.99
17.61	30TH	6.93
17.46	25TH	6.87
17.29	20TH	6.81
17.10	15TH	6.73
16.85	10TH	6.63
16.49	5TH	6.49
16.25	3RD	6.40
16.07	2ND	6.33
15.79	1ST	6.22

(111) SAGITTAL CURVATURE

Subject sits. With a tape held as close to the scalp as possible, measure the surface distance in the midsagittal plane from the glabella landmark to nuchale.





RANGES*	F	CUMF	FPCT	CUMPCT
41.25- 41.75	1	1905	0.05	100.00
40.75- 41.25	1	1904	0.05	99.95
40.25- 40.75	0	1903	0.00	99.90
39.75- 40.25	3	1903	0.16	99.90
39.25- 39.75	2	1900	0.10	99.74
38.75- 39.25	9	1898	0.47	99.63
38.25- 38.75	17	1889	0.89	99.16
37.75- 38.25	33	1872	1.73	98.27
37.25- 37.75	43	1839	2.26	96.54
36.75- 37.25	72	1796	3.78	94.28
36.25- 36.75	83	1724	4.36	90.50
35.75- 36.25	198	1641	10.39	86.14
35.25- 35.75	154	1443	8.08	75.75
34.75- 35.25	372	1289	19.53	67.66
34.25- 34.75	238	917	12.49	48.14
33.75- 34.25	260	679	13.65	35.64
33.25- 33.75	114	419	5.98	21.99
32.75- 33.25	175	305	9.19	16.01
32.25- 32.75	42	130	2.20	6.82
31.75- 32.25	63	88	3.31	4.62
31.25- 31.75	10	25	0.52	1.31
30.75- 31.25	11	15	0.58	0.79
30.25- 30.75	3	4	0.16	0.21
29.75- 30.25	1	1	0.05	0.05

*IN CENTIMETERS

CENTIMETERS		INCHES
34.79	MEAN VALUE	13.70
0.03	SE(MEAN)	0.01
1.49	SD DEVIATION	0.59
0.02	SE(SD DEV)	0.01

****

SYMMETRY---VETA I = 0.28
KURTOSIS---VETA II = 3.58
COEF. OF VARIATION = 4.3%

****

NUMBER OF SUBJECTS = 1905

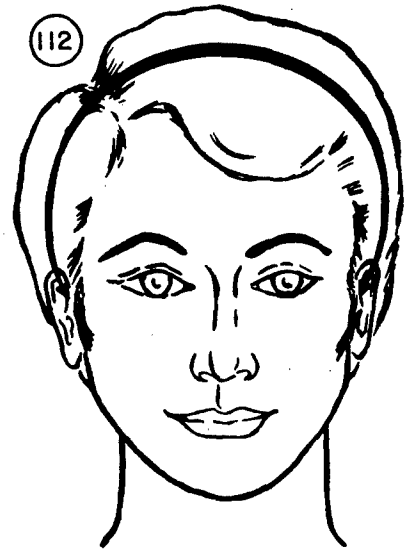
****

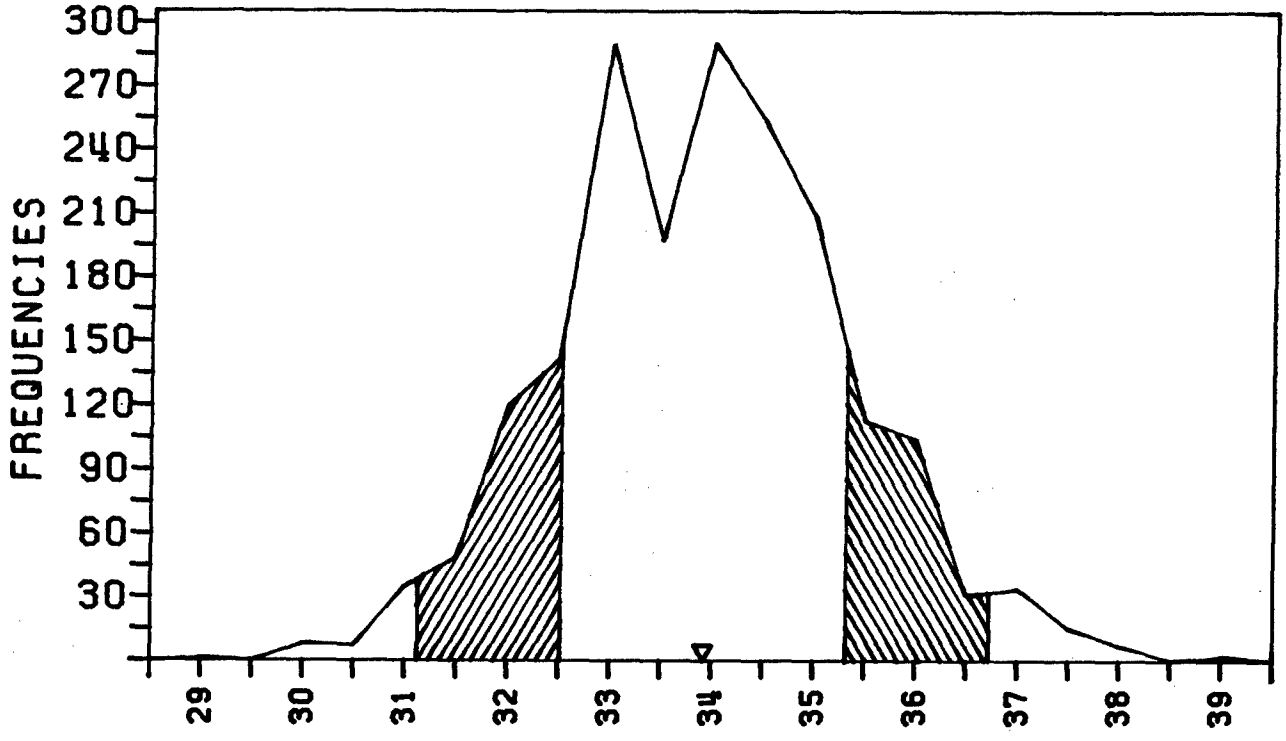
THE PERCENTILES

CENTIMETERS		INCHES
38.75	99TH	15.26
38.14	98TH	15.02
37.79	97TH	14.88
37.33	95TH	14.70
36.68	90TH	14.44
36.28	85TH	14.28
35.97	80TH	14.16
35.71	75TH	14.06
35.49	70TH	13.97
35.29	65TH	13.89
35.10	60TH	13.82
34.91	55TH	13.75
34.73	50TH	13.68
34.56	45TH	13.61
34.38	40TH	13.53
34.19	35TH	13.46
34.00	30TH	13.39
33.79	25TH	13.30
33.55	20TH	13.21
33.28	15TH	13.10
32.93	10TH	12.96
32.41	5TH	12.76
32.07	3RD	12.62
31.81	2ND	12.53
31.42	1ST	12.37

(112) BITRAGION-CORONAL CURVATURE

Subject sits. With a tape held as close to the scalp as possible, measure the surface distance in a coronal plane from the left to the right tragion landmark.





RANGES*	F	CUMF	FPCT	CUMPCT
38.75- 39.25	2	1905	0.10	100.00
38.25- 38.75	0	1903	0.00	99.90
37.75- 38.25	7	1903	0.37	99.90
37.25- 37.75	15	1896	0.79	99.53
36.75- 37.25	34	1881	1.78	98.74
36.25- 36.75	31	1847	1.63	96.96
35.75- 36.25	104	1816	5.46	95.33
35.25- 35.75	112	1712	5.88	89.87
34.75- 35.25	208	1600	10.92	83.99
34.25- 34.75	253	1392	13.28	73.07
33.75- 34.25	290	1139	15.22	59.79
33.25- 33.75	197	849	10.34	44.57
32.75- 33.25	290	652	15.22	34.23
32.25- 32.75	142	362	7.45	19.00
31.75- 32.25	120	220	6.30	11.55
31.25- 31.75	49	100	2.57	5.25
30.75- 31.25	35	51	1.84	2.68
30.25- 30.75	7	16	0.37	0.84
29.75- 30.25	8	9	0.42	0.47
29.25- 29.75	0	1	0.00	0.05
28.75- 29.25	1	1	0.05	0.05

*IN CENTIMETERS

CENTIMETERS		INCHES
33.92	MEAN VALUE	13.36
0.03	SE(MEAN)	0.01
1.40	SD DEVIATION	0.55
0.02	SE(SD DEV)	0.01

****

SYMMETRY---VETA I = 0.14
KURTOSIS---VETA II = 3.13
COEF. OF VARIATION = 4.1%

****

NUMBER OF SUBJECTS = 1905

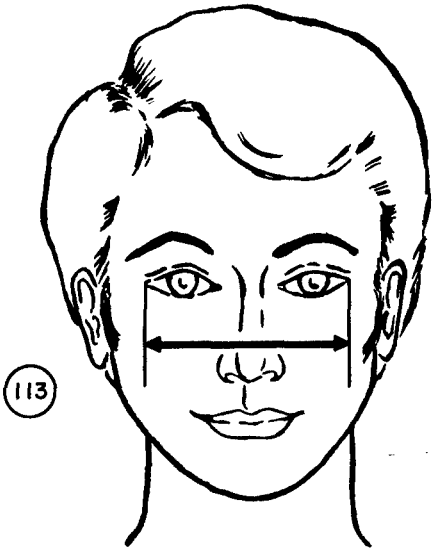
****

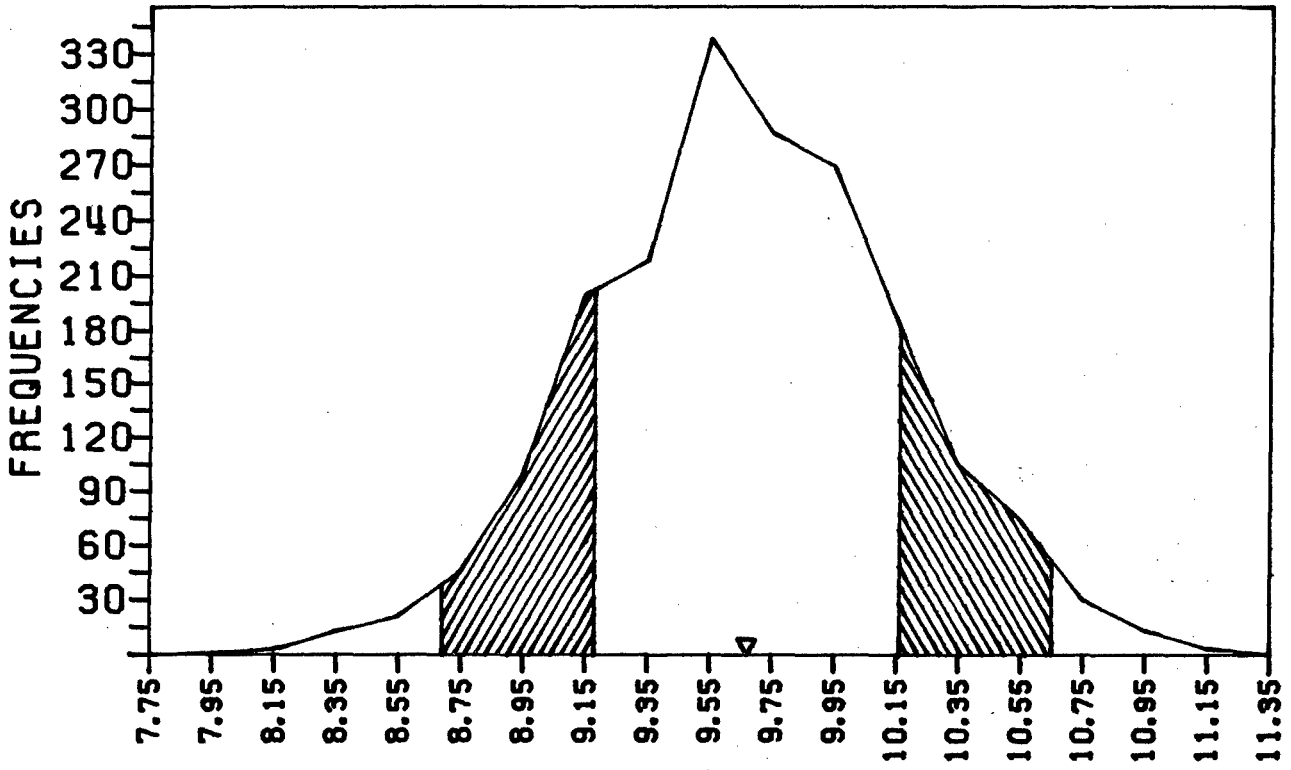
THE PERCENTILES

CENTIMETERS		INCHES
37.46	99TH	14.75
36.98	98TH	14.56
36.69	97TH	14.45
36.31	95TH	14.29
35.74	90TH	14.07
35.37	85TH	13.93
35.09	80TH	13.81
34.84	75TH	13.72
34.63	70TH	13.63
34.43	65TH	13.56
34.25	60TH	13.48
34.07	55TH	13.41
33.89	50TH	13.34
33.72	45TH	13.27
33.54	40TH	13.20
33.36	35TH	13.13
33.17	30TH	13.06
32.96	25TH	12.98
32.73	20TH	12.89
32.47	15TH	12.78
32.14	10TH	12.65
31.65	5TH	12.46
31.34	3RD	12.34
31.11	2ND	12.25
30.77	1ST	12.11

(113) BIOCULAR BREADTH

Subject sits. With a sliding caliper, measure the breadth of the face between the right and left ectocanthi.





RANGES*		F	CUMF	FPCT	CUMPCT
11.05-	11.25	3	1905	0.16	100.00
10.85-	11.05	13	1902	0.68	99.84
10.65-	10.85	30	1889	1.57	99.16
10.45-	10.65	74	1859	3.88	97.59
10.25-	10.45	105	1785	5.51	93.70
10.05-	10.25	186	1680	9.76	88.19
9.85-	10.05	268	1494	14.07	78.43
9.65-	9.85	286	1226	15.01	64.36
9.45-	9.65	338	940	17.74	49.34
9.25-	9.45	218	602	11.44	31.60
9.05-	9.25	200	384	10.50	20.16
8.85-	9.05	100	184	5.25	9.66
8.65-	8.85	46	84	2.41	4.41
8.45-	8.65	21	38	1.10	1.99
8.25-	8.45	13	17	0.68	0.89
8.05-	8.25	3	4	0.16	0.21
7.85-	8.05	1	1	0.05	0.05

*IN CENTIMETERS

CENTIMETERS		INCHES
9.67	MEAN VALUE	3.81
0.01	SE(MEAN)	0.00
0.49	SD DEVIATION	0.19
0.01	SE(SD DEV)	0.00

****

SYMMETRY---VETA I = -0.01
KURTOSIS---VETA II = 3.00
COEF. OF VARIATION = 5.1%

****

NUMBER OF SUBJECTS = 1905

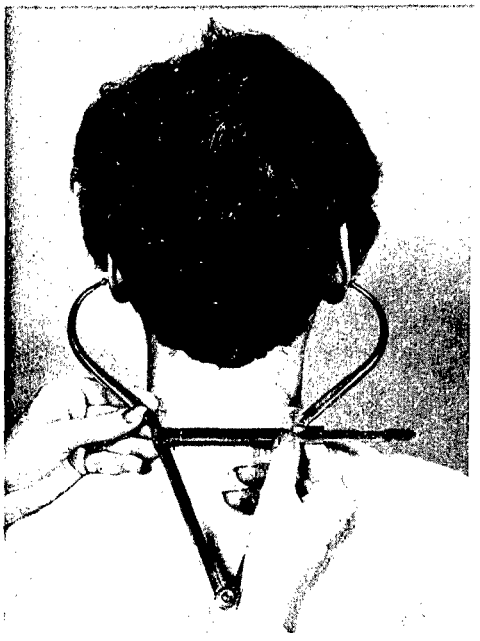
****

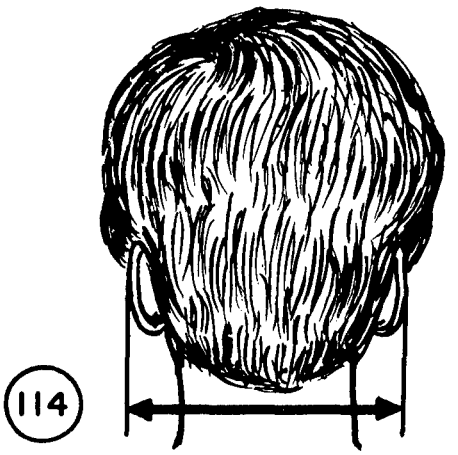
THE PERCENTILES

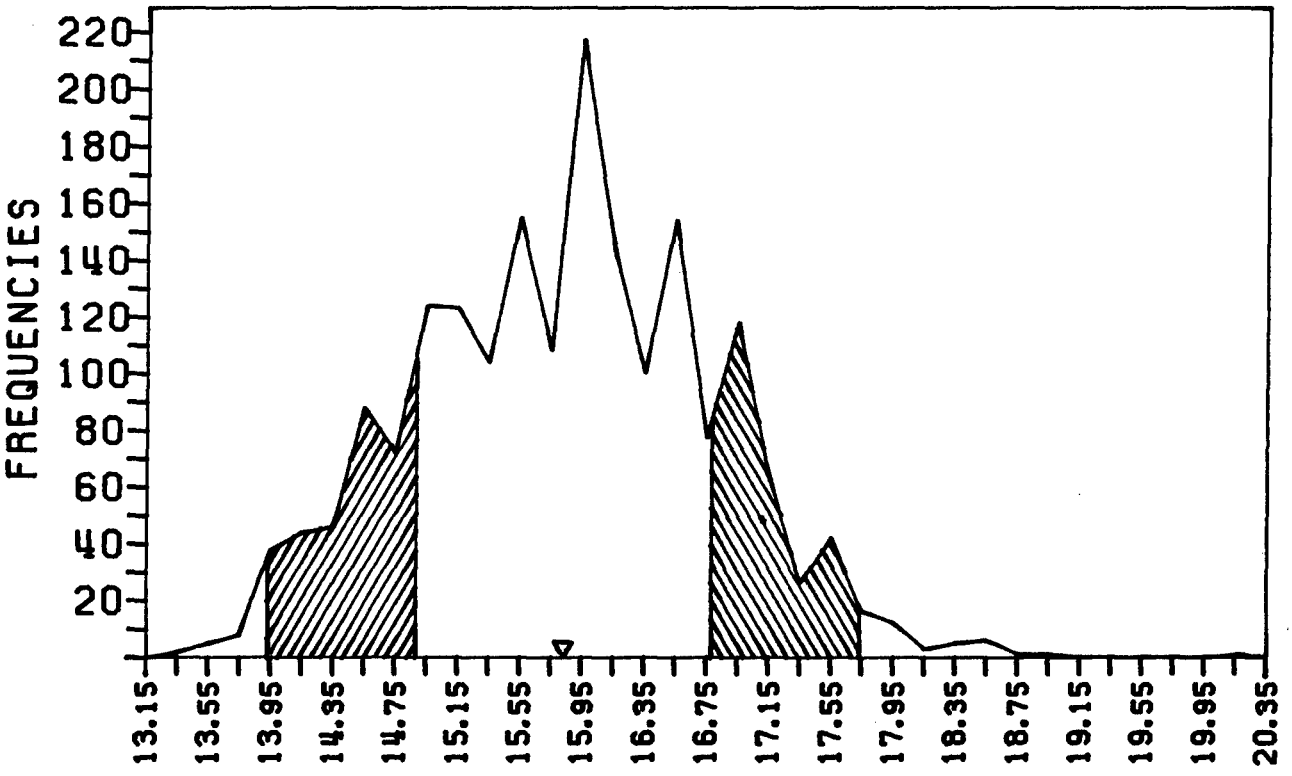
CENTIMETERS		INCHES
10.83	99TH	4.26
10.71	98TH	4.21
10.62	97TH	4.18
10.51	95TH	4.14
10.32	90TH	4.06
10.19	85TH	4.01
10.09	80TH	3.97
10.00	75TH	3.94
9.93	70TH	3.91
9.86	65TH	3.88
9.79	60TH	3.85
9.73	55TH	3.83
9.66	50TH	3.80
9.60	45TH	3.78
9.54	40TH	3.76
9.48	35TH	3.73
9.41	30TH	3.71
9.34	25TH	3.68
9.26	20TH	3.65
9.17	15TH	3.61
9.05	10TH	3.56
8.87	5TH	3.49
8.74	3RD	3.44
8.64	2ND	3.40
8.47	1ST	3.34

(114) BIAURICULAR BREADTH

Subject sits. With a spreading caliper, measure the distance from the most lateral point of the right ear to the corresponding point of the left ear. Use minimum pressure in applying the caliper.







RANGES*	F	CUMF	FPCT	CUMPCT
20.05- 20.25	1	1905	0.05	100.00
19.85- 20.05	0	1904	0.00	99.95
19.65- 19.85	0	1904	0.00	99.95
19.45- 19.65	0	1904	0.00	99.95
19.25- 19.45	0	1904	0.00	99.95
19.05- 19.25	0	1904	0.00	99.95
18.85- 19.05	1	1904	0.05	99.95
18.65- 18.85	1	1903	0.05	99.90
18.45- 18.65	6	1902	0.31	99.84
18.25- 18.45	5	1896	0.26	99.53
18.05- 18.25	3	1891	0.16	99.27
17.85- 18.05	12	1888	0.63	99.11
17.65- 17.85	16	1876	0.84	98.48
17.45- 17.65	42	1860	2.20	97.64
17.25- 17.45	26	1818	1.36	95.43
17.05- 17.25	64	1792	3.36	94.07
16.85- 17.05	118	1728	6.19	90.71
16.65- 16.85	77	1610	4.04	84.51
16.45- 16.65	154	1533	8.08	80.47
16.25- 16.45	100	1379	5.25	72.39
16.05- 16.25	145	1279	7.61	67.14
15.85- 16.05	217	1134	11.39	59.53
15.65- 15.85	108	917	5.67	48.14
15.45- 15.65	155	809	8.14	42.47
15.25- 15.45	104	654	5.46	34.33
15.05- 15.25	123	550	6.46	28.87
14.85- 15.05	124	427	6.51	22.41
14.65- 14.85	72	303	3.78	15.91
14.45- 14.65	88	231	4.62	12.13
14.25- 14.45	46	143	2.41	7.51
14.05- 14.25	44	97	2.31	5.09
13.85- 14.05	38	53	1.99	2.78
13.65- 13.85	8	15	0.42	0.79
13.45- 13.65	5	7	0.26	0.37
13.25- 13.45	2	2	0.10	0.10

*IN CENTIMETERS

CENTIMETERS		INCHES
15.83	MEAN VALUE	6.23
0.02	SE(MEAN)	0.01
0.95	SD DEVIATION	0.37
0.02	SE(SD DEV)	0.01

****

SYMMETRY---VETA I = 0.10
KURTOSIS---VETA II = 2.82
COEF. OF VARIATION = 6.0%

****

NUMBER OF SUBJECTS = 1905

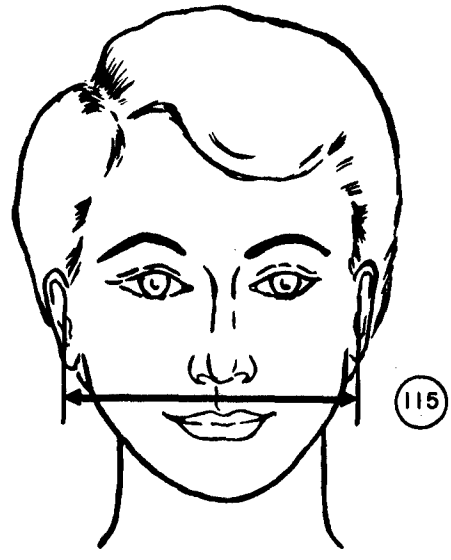
****

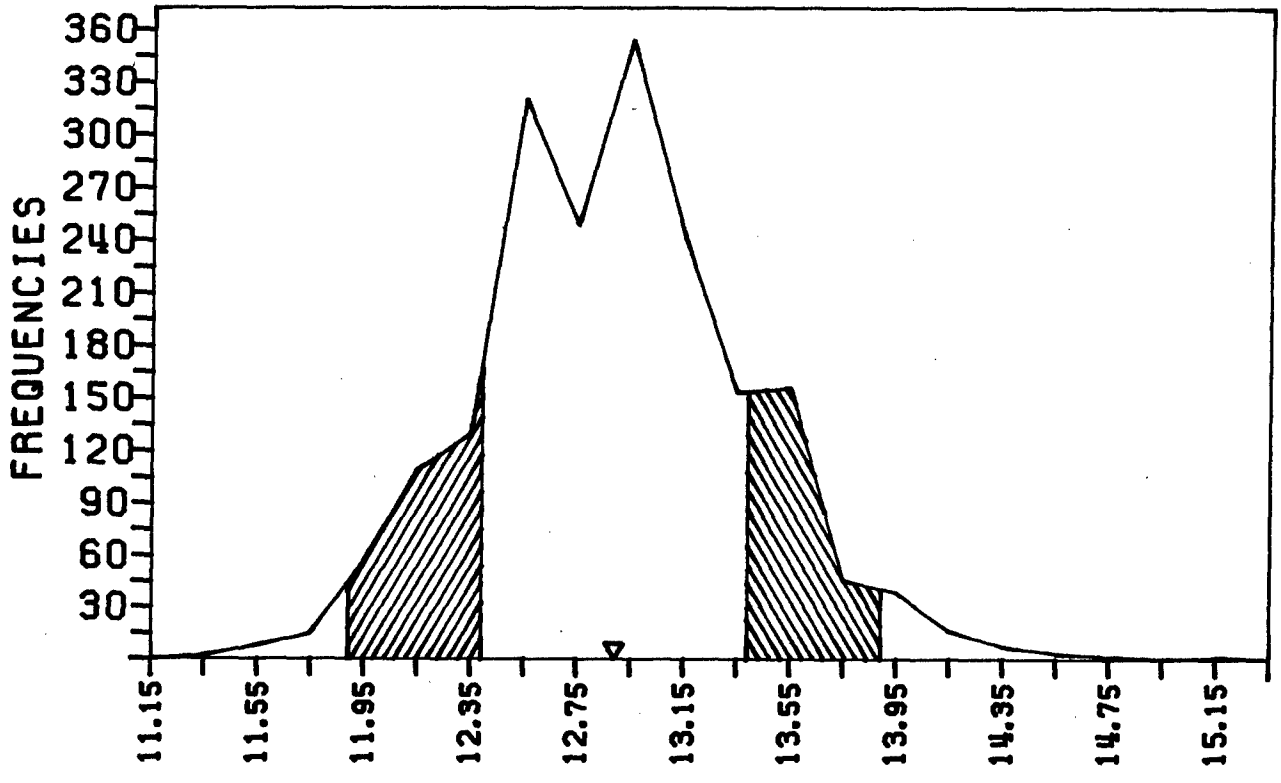
THE PERCENTILES

CENTIMETERS		INCHES
18.02	99TH	7.09
17.75	98TH	6.99
17.59	97TH	6.92
17.37	95TH	6.84
17.05	90TH	6.71
16.83	85TH	6.63
16.66	80TH	6.56
16.50	75TH	6.50
16.36	70TH	6.44
16.23	65TH	6.39
16.10	60TH	6.34
15.97	55TH	6.29
15.84	50TH	6.24
15.72	45TH	6.19
15.59	40TH	6.14
15.45	35TH	6.08
15.31	30TH	6.03
15.15	25TH	5.97
14.98	20TH	5.90
14.79	15TH	5.82
14.55	10TH	5.73
14.24	5TH	5.61
14.08	3RD	5.54
13.98	2ND	5.50
13.87	1ST	5.46

(115) BITRAGION BREADTH

Subject sits. With a spreading caliper, measure the breadth of the head between the right and left tragion landmarks.





RANGES*	F	CUMF	FPCT	CUMPCT
15.05- 15.25	1	1905	0.05	100.00
14.85- 15.05	0	1904	0.00	99.95
14.65- 14.85	1	1904	0.05	99.95
14.45- 14.65	3	1903	0.16	99.90
14.25- 14.45	7	1900	0.37	99.74
14.05- 14.25	16	1893	0.84	99.37
13.85- 14.05	38	1877	1.99	98.53
13.65- 13.85	45	1839	2.36	96.54
13.45- 13.65	156	1794	8.19	94.17
13.25- 13.45	153	1638	8.03	85.98
13.05- 13.25	242	1485	12.70	77.95
12.85- 13.05	354	1243	18.58	65.25
12.65- 12.85	248	889	13.02	46.67
12.45- 12.65	320	641	16.80	33.65
12.25- 12.45	130	321	6.82	16.85
12.05- 12.25	109	191	5.72	10.03
11.85- 12.05	57	82	2.99	4.30
11.65- 11.85	15	25	0.79	1.31
11.45- 11.65	8	10	0.42	0.52
11.25- 11.45	2	2	0.10	0.10

*IN CENTIMETERS

CENTIMETERS		INCHES
12.89	MEAN VALUE	5.07
0.01	SE(MEAN)	0.00
0.50	SD DEVIATION	0.20
0.01	SE(SD DEV)	0.00

****

SYMMETRY---VETA I = 0.21
KURTOSIS---VETA II = 3.29
COEF. OF VARIATION = 3.9%

****

NUMBER OF SUBJECTS = 1905

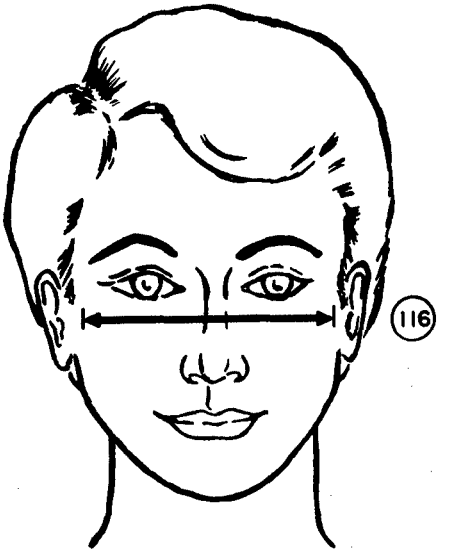
****

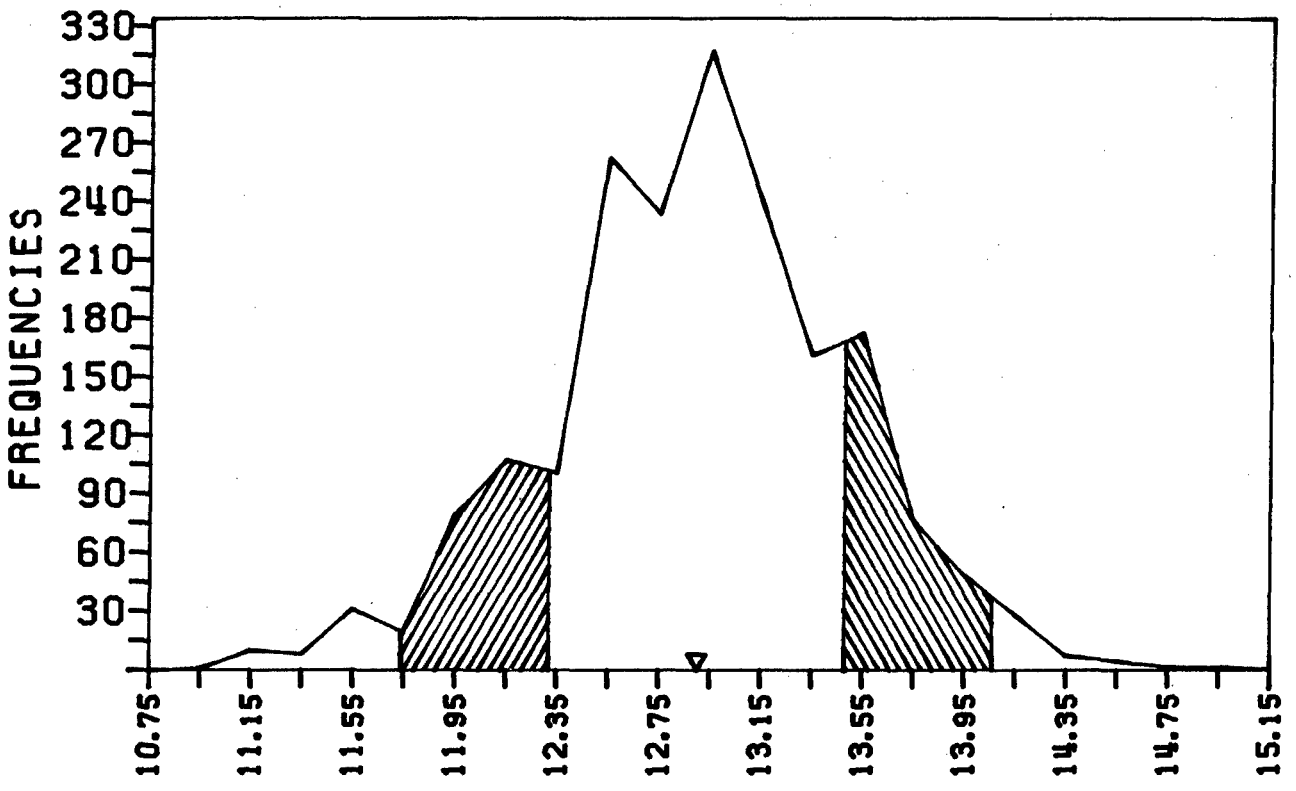
THE PERCENTILES

CENTIMETERS		INCHES
14.17	99TH	5.58
13.99	98TH	5.51
13.88	97TH	5.47
13.74	95TH	5.41
13.54	90TH	5.33
13.40	85TH	5.28
13.30	80TH	5.24
13.21	75TH	5.20
13.14	70TH	5.17
13.07	65TH	5.14
13.00	60TH	5.12
12.94	55TH	5.09
12.87	50TH	5.07
12.81	45TH	5.04
12.75	40TH	5.02
12.69	35TH	4.99
12.62	30TH	4.97
12.55	25TH	4.94
12.47	20TH	4.91
12.37	15TH	4.87
12.26	10TH	4.83
12.09	5TH	4.76
11.97	3RD	4.71
11.89	2ND	4.68
11.76	1ST	4.63

(116) BIZYGOMATIC BREADTH

Subject sits. With a spreading caliper, measure the maximum horizontal breadth of the face between the zygomatic arches.





RANGES*	F	CUMF	FPCT	CUMPCT
14.85- 15.05	1	1905	0.05	100.00
14.65- 14.85	1	1904	0.05	99.95
14.45- 14.65	4	1903	0.21	99.90
14.25- 14.45	7	1899	0.37	99.69
14.05- 14.25	28	1892	1.47	99.32
13.85- 14.05	48	1864	2.52	97.85
13.65- 13.85	76	1816	3.99	95.33
13.45- 13.65	172	1740	9.03	91.34
13.25- 13.45	161	1568	8.45	82.31
13.05- 13.25	240	1407	12.60	73.86
12.85- 13.05	317	1167	16.64	61.26
12.65- 12.85	233	850	12.23	44.62
12.45- 12.65	262	617	13.75	32.39
12.25- 12.45	100	355	5.25	18.64
12.05- 12.25	107	255	5.62	13.39
11.85- 12.05	79	148	4.15	7.77
11.65- 11.85	19	69	1.00	3.62
11.45- 11.65	31	50	1.63	2.62
11.25- 11.45	8	19	0.42	1.00
11.05- 11.25	10	11	0.52	0.58
10.85- 11.05	1	1	0.05	0.05

*IN CENTIMETERS

CENTIMETERS		INCHES
12.90	MEAN VALUE	5.08
0.01	SE(MEAN)	0.01
0.58	SD DEVIATION	0.23
0.01	SE(SD DEV)	0.00

****

SYMMETRY---VETA I = -0.17
KURTOSIS---VETA II = 3.28
COEF. OF VARIATION = 4.5%

****

NUMBER OF SUBJECTS = 1905

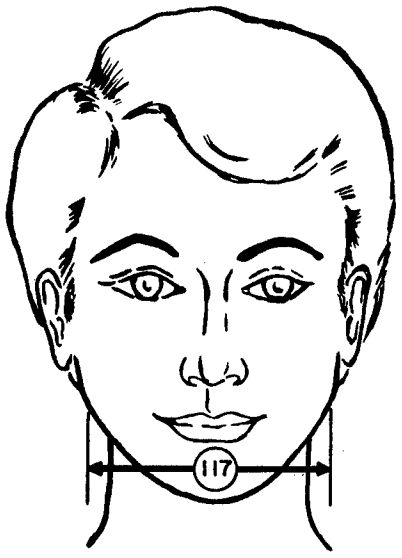
****

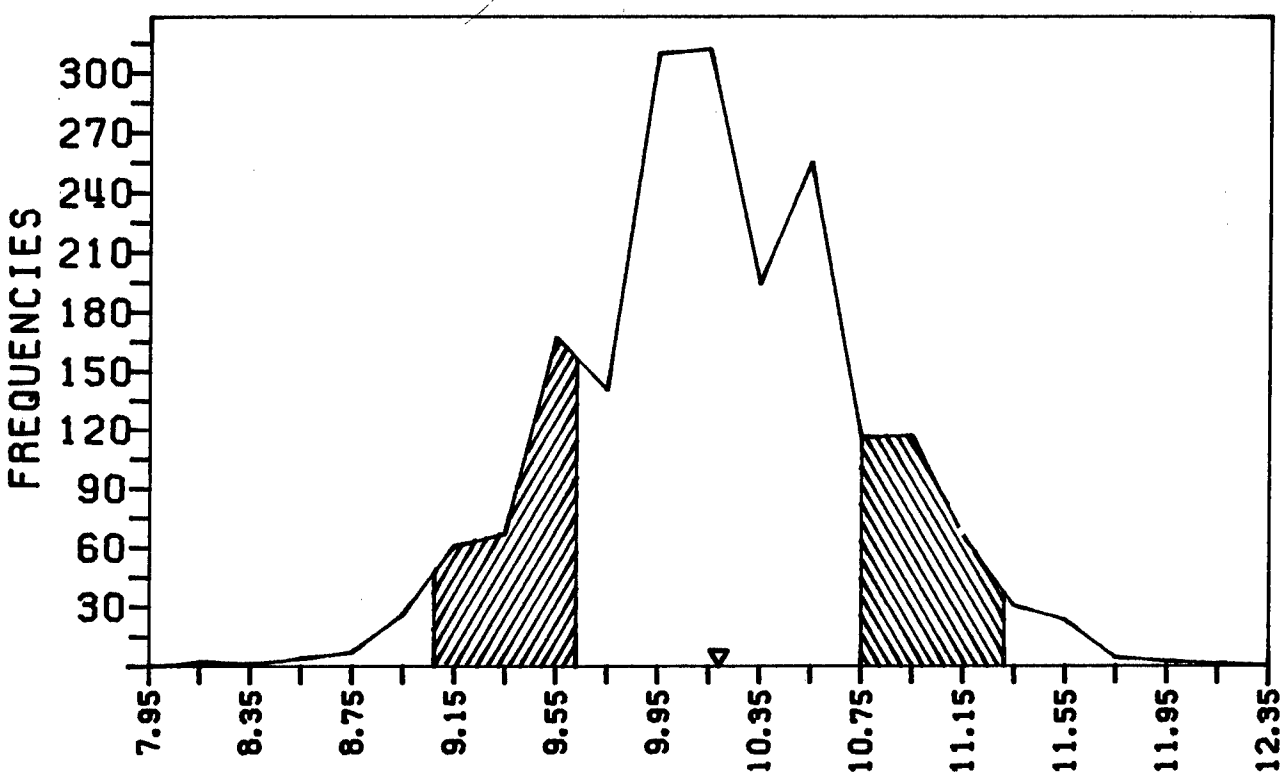
THE PERCENTILES

CENTIMETERS		INCHES
14.22	99TH	5.60
14.06	98TH	5.54
13.96	97TH	5.50
13.83	95TH	5.44
13.63	90TH	5.36
13.49	85TH	5.31
13.38	80TH	5.27
13.29	75TH	5.23
13.21	70TH	5.20
13.13	65TH	5.17
13.06	60TH	5.14
12.99	55TH	5.11
12.91	50TH	5.08
12.84	45TH	5.06
12.77	40TH	5.03
12.69	35TH	5.00
12.61	30TH	4.97
12.53	25TH	4.93
12.42	20TH	4.89
12.31	15TH	4.84
12.15	10TH	4.78
11.91	5TH	4.69
11.74	3RD	4.62
11.62	2ND	4.57
11.41	1ST	4.49

(117) BIGONIAL BREADTH

Subject sits. With a spreading caliper, measure the maximum horizontal breadth of the jaw between the right and left gonial angles. Use minimum pressure in applying the caliper.





RANGES*	F	CUMF	FPCT	CUMPCT
12.05- 12.25	1	1905	0.05	100.00
11.85- 12.05	2	1904	0.10	99.95
11.65- 11.85	4	1902	0.21	99.84
11.45- 11.65	23	1898	1.21	99.63
11.25- 11.45	30	1875	1.57	98.43
11.05- 11.25	66	1845	3.46	96.85
10.85- 11.05	117	1779	6.14	93.39
10.65- 10.85	116	1662	6.09	87.24
10.45- 10.65	255	1546	13.39	81.15
10.25- 10.45	194	1291	10.18	67.77
10.05- 10.25	312	1097	16.38	57.59
9.85- 10.05	310	785	16.27	41.21
9.65- 9.85	140	475	7.35	24.93
9.45- 9.65	167	335	8.77	17.59
9.25- 9.45	67	168	3.52	8.82
9.05- 9.25	61	101	3.20	5.30
8.85- 9.05	26	40	1.36	2.10
8.65- 8.85	7	14	0.37	0.73
8.45- 8.65	4	7	0.21	0.37
8.25- 8.45	1	3	0.05	0.16
8.05- 8.25	2	2	0.10	0.10

*IN CENTIMETERS

CENTIMETERS		INCHES
10.19	MEAN VALUE	4.01
0.01	SE(MEAN)	0.01
0.56	SD DEVIATION	0.22
0.01	SE(SD DEV)	0.00

****

SYMMETRY---VETA I = 0.04
KURTOSIS---VETA II = 3.13
COEF. OF VARIATION = 5.5%

****

NUMBER OF SUBJECTS = 1905

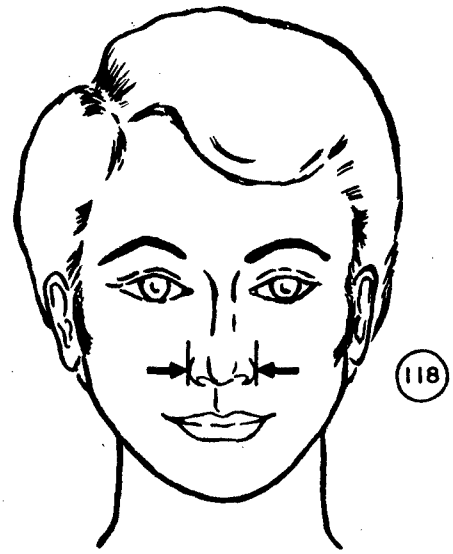
****

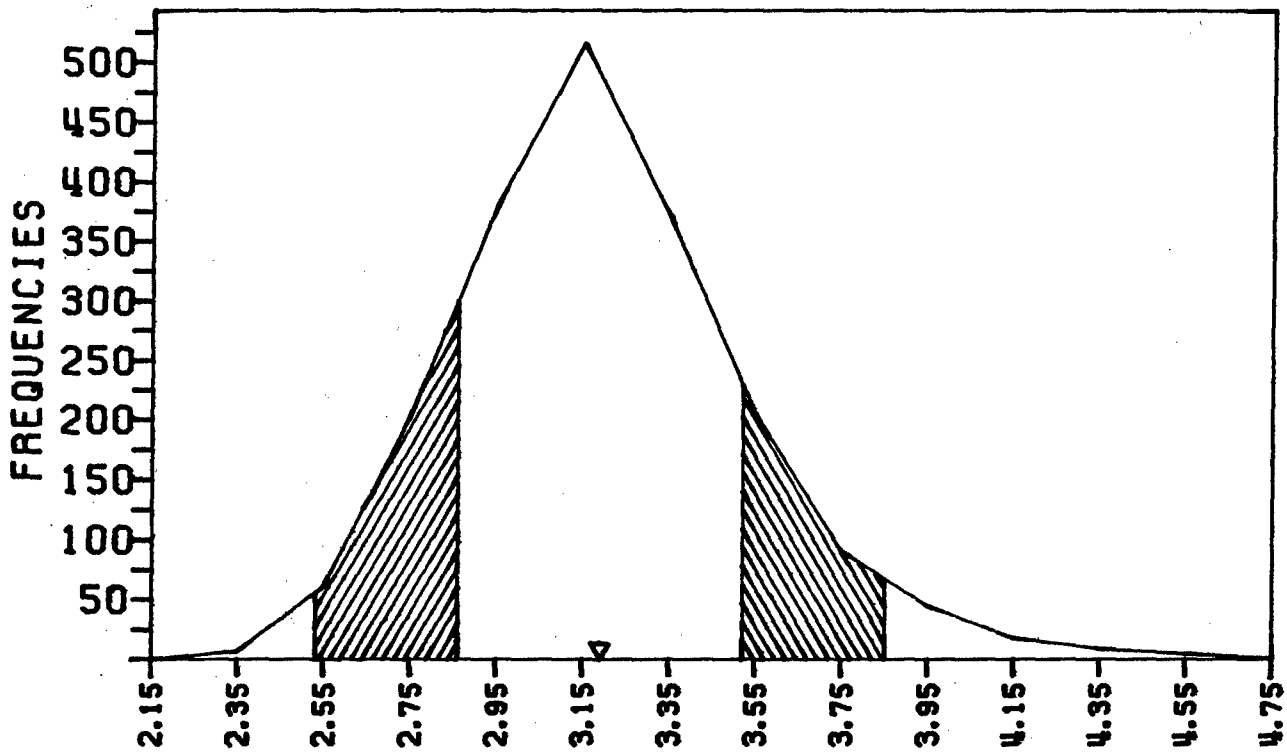
THE PERCENTILES

CENTIMETERS		INCHES
11.56	99TH	4.55
11.39	98TH	4.48
11.28	97TH	4.44
11.13	95TH	4.38
10.92	90TH	4.30
10.77	85TH	4.24
10.66	80TH	4.20
10.56	75TH	4.16
10.47	70TH	4.12
10.39	65TH	4.09
10.32	60TH	4.06
10.25	55TH	4.03
10.18	50TH	4.01
10.11	45TH	3.98
10.04	40TH	3.95
9.96	35TH	3.92
9.89	30TH	3.89
9.80	25TH	3.86
9.71	20TH	3.82
9.60	15TH	3.78
9.47	10TH	3.73
9.26	5TH	3.65
9.13	3RD	3.59
9.03	2ND	3.56
8.87	1ST	3.49

(118) NASAL BREADTH

Subject sits. With a sliding caliper, measure the maximum horizontal breadth of the nose.





RANGES*		F	CUMF	FPCT	CUMPCT
4.45-	4.65	4	1905	0.21	100.00
4.25-	4.45	8	1901	0.42	99.79
4.05-	4.25	17	1893	0.89	99.37
3.85-	4.05	44	1876	2.31	98.48
3.65-	3.85	90	1832	4.72	96.17
3.45-	3.65	205	1742	10.76	91.44
3.25-	3.45	370	1537	19.42	80.68
3.05-	3.25	516	1167	27.09	61.26
2.85-	3.05	380	651	19.95	34.17
2.65-	2.85	203	271	10.66	14.23
2.45-	2.65	61	68	3.20	3.57
2.25-	2.45	7	7	0.37	0.37

*IN CENTIMETERS

CENTIMETERS		INCHES
3.19	MEAN VALUE	1.26
0.01	SE(MEAN)	0.00
0.33	SD DEVIATION	0.13
0.01	SE(SD DEV)	0.00

****

SYMMETRY---VETA I = 0.60
KURTOSIS---VETA II = 4.01
COEF. OF VARIATION = 10.3%

****

NUMBER OF SUBJECTS = 1905

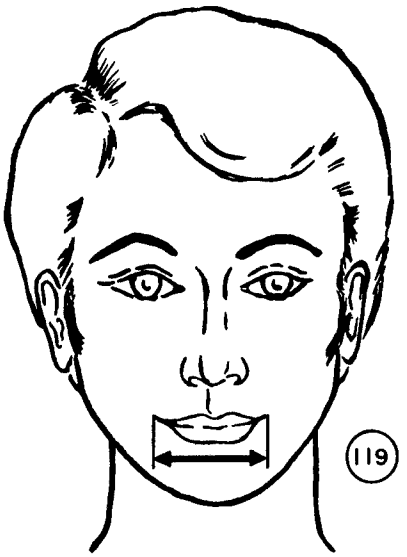
****

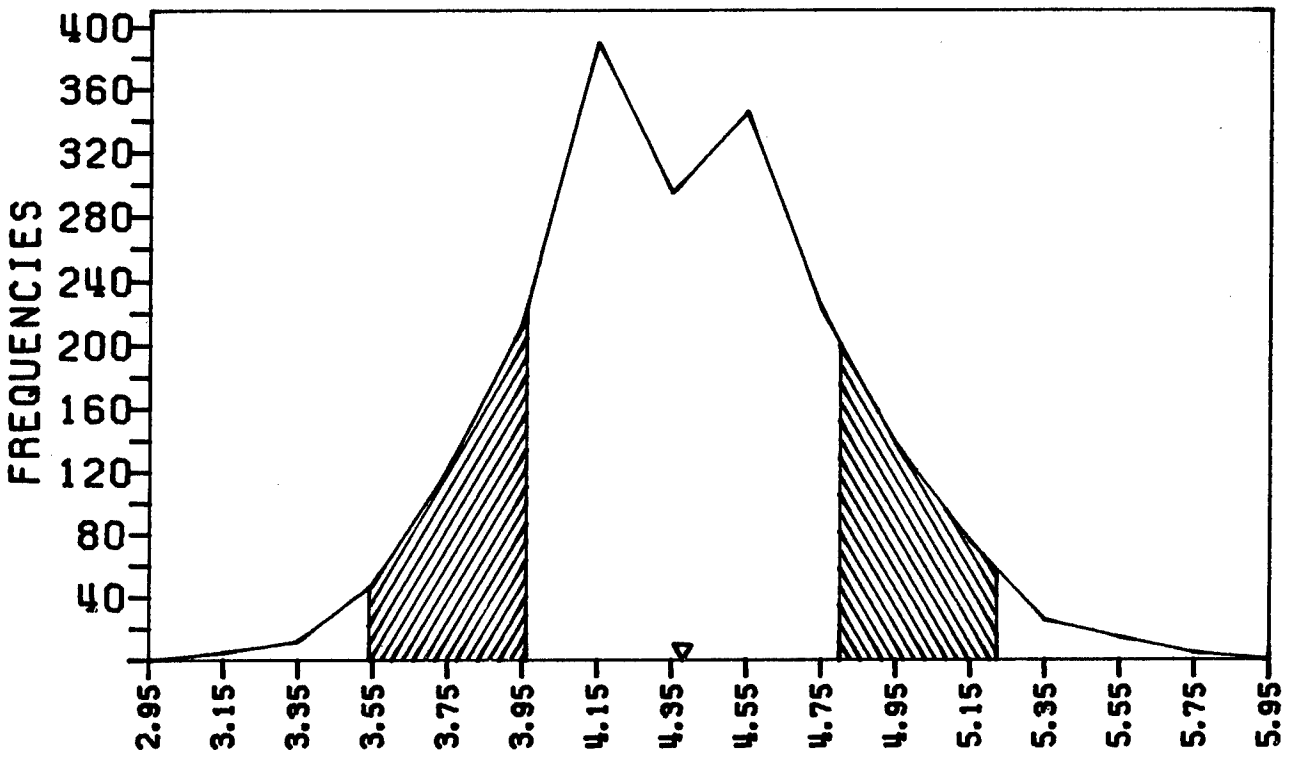
THE PERCENTILES

CENTIMETERS		INCHES
4.17	99TH	1.64
4.01	98TH	1.58
3.91	97TH	1.54
3.79	95TH	1.49
3.63	90TH	1.43
3.53	85TH	1.39
3.45	80TH	1.36
3.39	75TH	1.34
3.34	70TH	1.31
3.29	65TH	1.30
3.25	60TH	1.28
3.21	55TH	1.26
3.17	50TH	1.25
3.13	45TH	1.23
3.09	40TH	1.22
3.05	35TH	1.20
3.00	30TH	1.18
2.96	25TH	1.17
2.91	20TH	1.15
2.85	15TH	1.12
2.78	10TH	1.10
2.68	5TH	1.05
2.61	3RD	1.03
2.56	2ND	1.01
2.49	1ST	0.98

(119) LIP LENGTH

Subject sits with mouth closed and jaw relaxed. With a sliding caliper, measure the horizontal distance from the right to the left cheilions.





RANGES*		F	CUMF	FPCT	CUMPCT
5.65-	5.85	4	1905	0.21	100.00
5.45-	5.65	14	1901	0.73	99.79
5.25-	5.45	25	1887	1.31	99.06
5.05-	5.25	75	1862	3.94	97.74
4.85-	5.05	137	1787	7.19	93.81
4.65-	4.85	222	1650	11.65	86.61
4.45-	4.65	345	1428	18.11	74.96
4.25-	4.45	294	1083	15.43	56.85
4.05-	4.25	390	789	20.47	41.42
3.85-	4.05	213	399	11.18	20.94
3.65-	3.85	121	186	6.35	9.76
3.45-	3.65	48	65	2.52	3.41
3.25-	3.45	12	17	0.63	0.89
3.05-	3.25	5	5	0.26	0.26

*IN CENTIMETERS

CENTIMETERS		INCHES
4.38	MEAN VALUE	1.72
0.01	SE(MEAN)	0.00
0.42	SD DEVIATION	0.17
0.01	SE(SD DEV)	0.00

****

SYMMETRY---VETA I = 0.20
KURTOSIS---VETA II = 3.04
COEF. OF VARIATION = 9.6%

****

NUMBER OF SUBJECTS = 1905

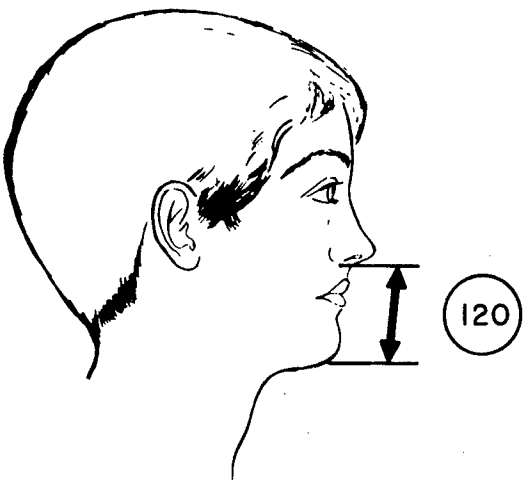
****

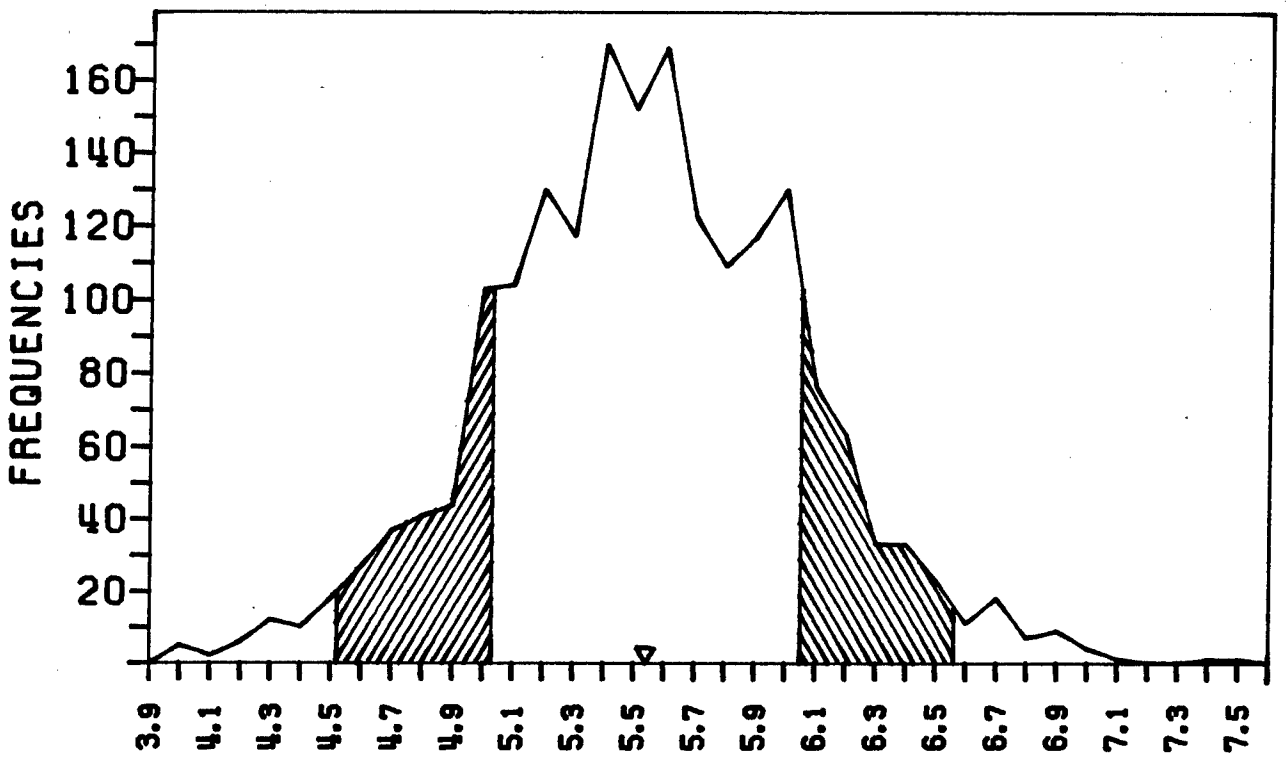
THE PERCENTILES

CENTIMETERS		INCHES
5.43	99TH	2.14
5.30	98TH	2.09
5.22	97TH	2.05
5.11	95TH	2.01
4.94	90TH	1.94
4.82	85TH	1.90
4.73	80TH	1.86
4.66	75TH	1.83
4.59	70TH	1.81
4.53	65TH	1.78
4.47	60TH	1.76
4.42	55TH	1.74
4.36	50TH	1.72
4.31	45TH	1.70
4.26	40TH	1.68
4.20	35TH	1.65
4.14	30TH	1.63
4.08	25TH	1.61
4.02	20TH	1.58
3.94	15TH	1.55
3.84	10TH	1.51
3.70	5TH	1.46
3.62	3RD	1.42
3.55	2ND	1.40
3.45	1ST	1.36

(120) MENTON-SUBNASALE LENGTH

Subject sits with mouth closed and jaw relaxed. With a sliding caliper, measure the straight-line distance from the menton landmark to subnasale.





RANGES*		F	CUMF	FPCT	CUMPCT
7.45-	7.55	1	1 905	0.05	100.00
7.35-	7.45	1	1904	0.05	99.95
7.25-	7.35	0	1903	0.00	99.90
7.15-	7.25	0	1903	0.00	99.90
7.05-	7.15	1	1903	0.05	99.90
6.95-	7.05	4	1902	0.21	99.84
6.85-	6.95	9	1898	0.47	99.63
6.75-	6.85	7	1889	0.37	99.16
6.65-	6.75	18	1882	0.94	98.79
6.55-	6.65	11	1864	0.58	97.85
6.45-	6.55	23	1853	1.21	97.27
6.35-	6.45	33	1830	1.73	96.06
6.25-	6.35	33	1797	1.73	94.33
6.15-	6.25	63	1764	3.31	92.60
6.05-	6.15	76	1701	3.99	89.29
5.95-	6.05	130	1625	6.82	85.30
5.85-	5.95	117	1495	6.14	78.48
5.75-	5.85	109	1378	5.72	72.34
5.65-	5.75	122	1269	6.40	66.61
5.55-	5.65	169	1147	8.87	60.21
5.45-	5.55	152	978	7.98	51.34
5.35-	5.45	170	826	8.92	43.36
5.25-	5.35	117	656	6.14	34.44
5.15-	5.25	130	539	6.82	28.29
5.05-	5.15	104	409	5.46	21.47
4.95-	5.05	103	305	5.41	16.01
4.85-	4.95	44	202	2.31	10.60
4.75-	4.85	41	158	2.15	8.29
4.65-	4.75	37	117	1.94	6.14
4.55-	4.65	27	80	1.42	4.20
4.45-	4.55	18	53	0.94	2.78
4.35-	4.45	10	35	0.52	1.84
4.25-	4.35	12	25	0.63	1.31
4.15-	4.25	6	13	0.31	0.68
4.05-	4.15	2	7	0.10	0.37
3.95-	4.05	5	5	0.26	0.26

*IN CENTIMETERS

CENTIMETERS		INCHES
5.54	MEAN VALUE	2.18
0.01	SE(MEAN)	0.00
0.51	SD DEVIATION	0.20
0.01	SE(SD DEV)	0.00

****

SYMMETRY---VETA I = 0.05
KURTOSIS---VETA II = 3.24
COEF. OF VARIATION = 9.2%

****

NUMBER OF SUBJECTS = 1905

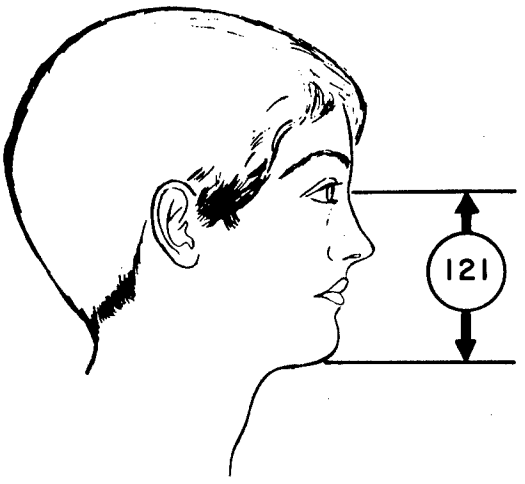
****

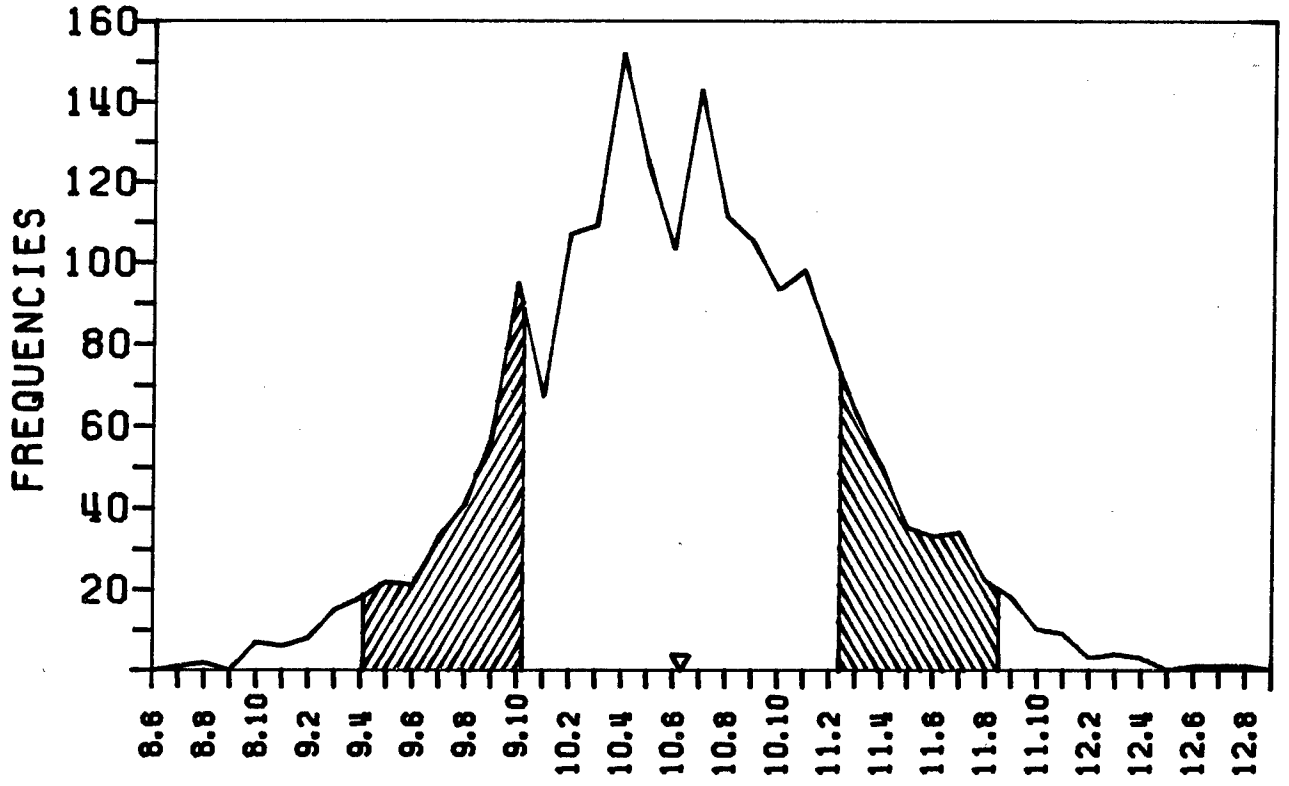
THE PERCENTILES

CENTIMETERS		INCHES
6.82	99TH	2.68
6.64	98TH	2.61
6.53	97TH	2.57
6.39	95TH	2.52
6.19	90TH	2.44
6.06	85TH	2.38
5.96	80TH	2.35
5.87	75TH	2.31
5.79	70TH	2.28
5.73	65TH	2.25
5.66	60TH	2.23
5.60	55TH	2.20
5.54	50TH	2.18
5.48	45TH	2.16
5.41	40TH	2.13
5.35	35TH	2.11
5.28	30TH	2.08
5.21	25TH	2.05
5.13	20TH	2.02
5.03	15TH	1.98
4.90	10TH	1.93
4.70	5TH	1.85
4.57	3RD	1.80
4.47	2ND	1.76
4.30	1ST	1.69

(121) MENTON-SELLION LENGTH

Subject sits with mouth closed and jaw relaxed. With a sliding caliper, measure the straight-line distance from the menton landmark to sellion.





RANGES*	F	CUMF	FPCT	CUMPCT
12.75- 12.85	1	1905	0.05	100.00
12.65- 12.75	1	1904	0.05	99.95
12.55- 12.65	1	1903	0.05	99.90
12.45- 12.55	0	1902	0.00	99.84
12.35- 12.45	3	1902	0.16	99.84
12.25- 12.35	4	1899	0.21	99.69
12.15- 12.25	3	1895	0.16	99.48
12.05- 12.15	9	1892	0.47	99.32
11.95- 12.05	10	1883	0.52	98.85
11.85- 11.95	18	1873	0.94	98.32
11.75- 11.85	22	1855	1.15	97.38
11.65- 11.75	34	1833	1.78	96.22
11.55- 11.65	33	1799	1.73	94.44
11.45- 11.55	35	1766	1.84	92.70
11.35- 11.45	50	1731	2.62	90.87
11.25- 11.35	63	1681	3.31	88.24
11.15- 11.25	80	1618	4.20	84.93
11.05- 11.15	98	1538	5.14	80.73
10.95- 11.05	93	1440	4.88	75.59
10.85- 10.95	105	1347	5.51	70.71
10.75- 10.85	111	1242	5.83	65.20
10.65- 10.75	143	1131	7.51	59.37
10.55- 10.65	103	988	5.41	51.86
10.45- 10.55	124	885	6.51	46.46
10.35- 10.45	152	761	7.98	39.95
10.25- 10.35	109	609	5.72	31.97
10.15- 10.25	107	500	5.62	26.25
10.05- 10.15	67	393	3.52	20.63
9.95- 10.05	95	326	4.99	17.11
9.85- 9.95	57	231	2.99	12.13
9.75- 9.85	41	174	2.15	9.13
9.65- 9.75	33	133	1.73	6.98
9.55- 9.65	21	100	1.10	5.25
9.45- 9.55	22	79	1.15	4.15
9.35- 9.45	18	57	0.94	2.99
9.25- 9.35	15	39	0.79	2.05
9.15- 9.25	8	24	0.42	1.26
9.05- 9.15	6	16	0.31	0.84
8.95- 9.05	7	10	0.37	0.52
8.85- 8.95	0	3	0.00	0.16
8.75- 8.85	2	3	0.10	0.16
8.65- 8.75	1	1	0.05	0.05

*IN CENTIMETERS

CENTIMETERS		INCHES
10.63	MEAN VALUE	4.18
0.01	SE(MEAN)	0.01
0.61	SD DEVIATION	0.24
0.01	SE(SD DEV)	0.00

****

SYMMETRY---VETA I = 0.08
KURTOSIS---VETA II = 3.09
COEF. OF VARIATION = 5.8%

****

NUMBER OF SUBJECTS = 1905

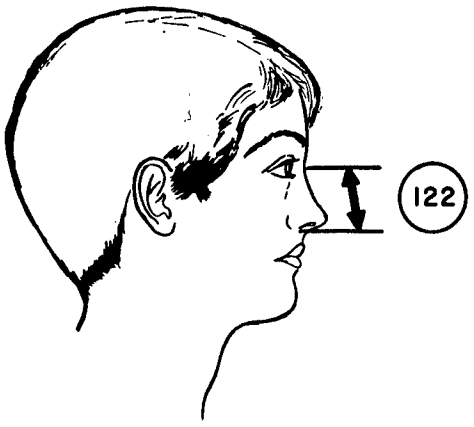
****

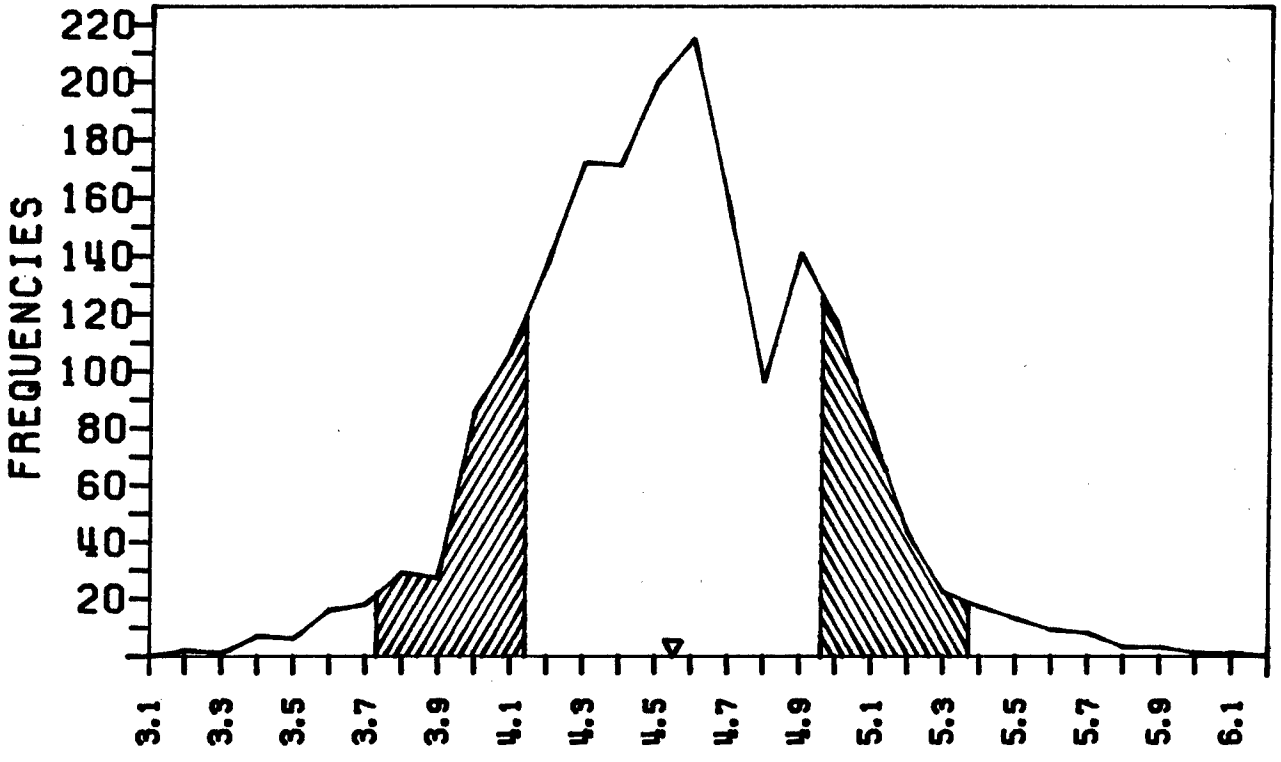
THE PERCENTILES

CENTIMETERS		INCHES
12.09	99TH	4.76
11.92	98TH	4.69
11.81	97TH	4.65
11.66	95TH	4.59
11.42	90TH	4.50
11.26	85TH	4.43
11.14	80TH	4.39
11.03	75TH	4.34
10.94	70TH	4.31
10.85	65TH	4.27
10.77	60TH	4.24
10.69	55TH	4.21
10.62	50TH	4.18
10.54	45TH	4.15
10.46	40TH	4.12
10.39	35TH	4.09
10.30	30TH	4.06
10.22	25TH	4.02
10.12	20TH	3.98
10.00	15TH	3.94
9.86	10TH	3.88
9.63	5TH	3.79
9.48	3RD	3.73
9.36	2ND	3.69
9.16	1ST	3.61

(122) SUBNASALE-SELLION LENGTH

Subject sits. With a sliding caliper, measure the straight line distance from subnasale to sellion.





RANGES*		F	CUMF	FPCT	CUMPCT
6.05-	6.15	1	1905	0.05	100.00
5.95-	6.05	1	1904	0.05	99.95
5.85-	5.95	3	1903	0.16	99.90
5.75-	5.85	3	1900	0.16	99.74
5.65-	5.75	8	1897	0.42	99.58
5.55-	5.65	9	1889	0.47	99.16
5.45-	5.55	13	1880	0.68	98.69
5.35-	5.45	17	1867	0.89	98.01
5.25-	5.35	22	1850	1.15	97.11
5.15-	5.25	43	1828	2.26	95.96
5.05-	5.15	79	1785	4.15	93.70
4.95-	5.05	117	1706	6.14	89.55
4.85-	4.95	141	1589	7.40	83.41
4.75-	4.85	96	1448	5.04	76.01
4.65-	4.75	157	1352	8.24	70.97
4.55-	4.65	215	1195	11.29	62.73
4.45-	4.55	200	980	10.50	51.44
4.35-	4.45	171	780	8.98	40.94
4.25-	4.35	172	609	9.03	31.97
4.15-	4.25	138	437	7.24	22.94
4.05-	4.15	107	299	5.62	15.70
3.95-	4.05	86	192	4.51	10.08
3.85-	3.95	27	106	1.42	5.56
3.75-	3.85	29	79	1.52	4.15
3.65-	3.75	18	50	0.94	2.62
3.55-	3.65	16	32	0.84	1.68
3.45-	3.55	6	16	0.31	0.84
3.35-	3.45	7	10	0.37	0.52
3.25-	3.35	1	3	0.05	0.16
3.15-	3.25	2	2	0.10	0.10

*IN CENTIMETERS

CENTIMETERS		INCHES
4.55	MEAN VALUE	1.79
0.01	SE(MEAN)	0.00
0.41	SD DEVIATION	0.16
0.01	SE(SD DEV)	0.00

****

SYMMETRY---VETA I = 0.14
KURTOSIS---VETA II = 3.36
COEF. OF VARIATION = 9.0%

****

NUMBER OF SUBJECTS = 1905

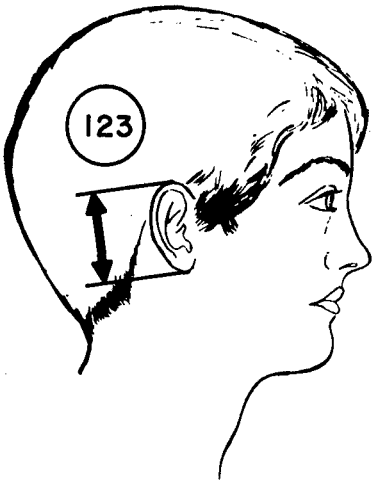
****

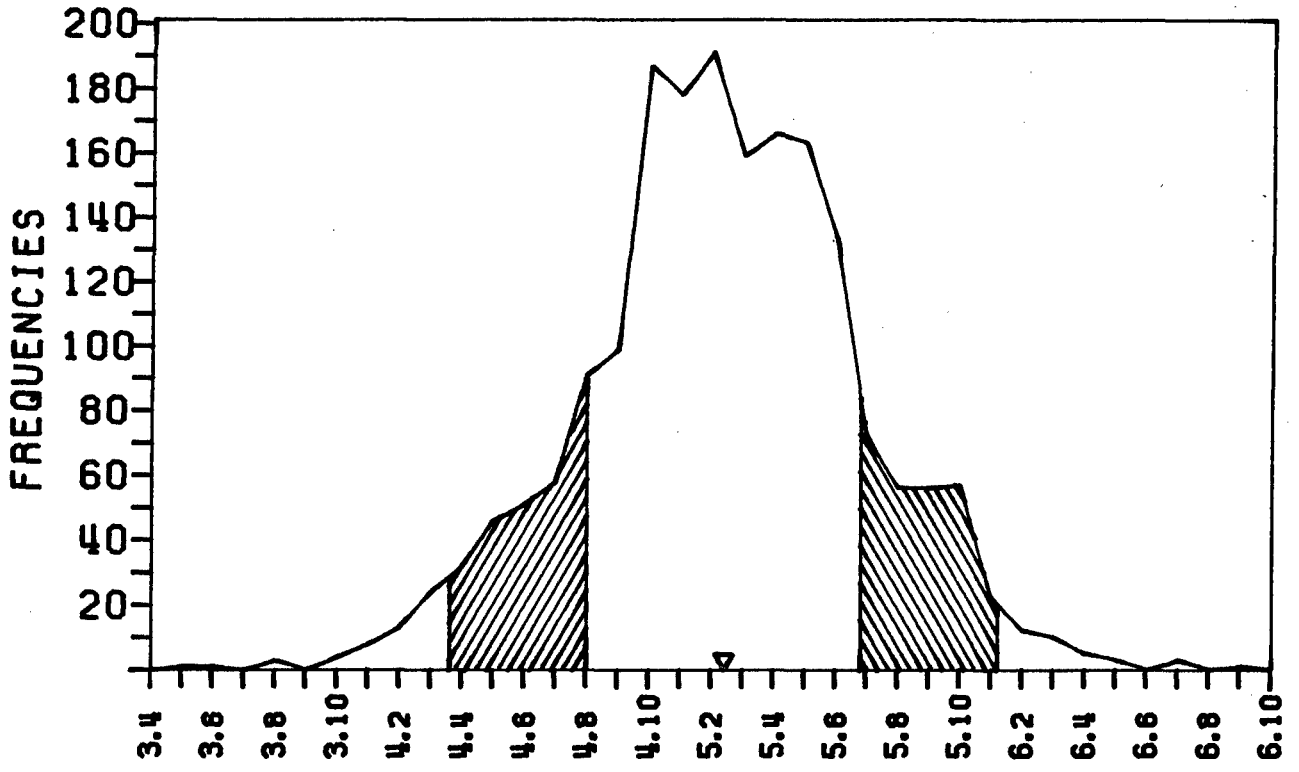
THE PERCENTILES

CENTIMETERS		INCHES
5.60	99TH	2.21
5.45	98TH	2.14
5.36	97TH	2.11
5.24	95TH	2.06
5.07	90TH	1.99
4.96	85TH	1.95
4.87	80TH	1.92
4.80	75TH	1.89
4.74	70TH	1.87
4.69	65TH	1.85
4.64	60TH	1.83
4.59	55TH	1.81
4.54	50TH	1.79
4.49	45TH	1.77
4.44	40TH	1.75
4.39	35TH	1.73
4.34	30TH	1.71
4.28	25TH	1.68
4.21	20TH	1.66
4.14	15TH	1.63
4.04	10TH	1.59
3.88	5TH	1.53
3.78	3RD	1.49
3.70	2ND	1.46
3.57	1ST	1.40

(123) EAR LENGTH

Subject sits. With a sliding caliper, measure the maximum length of the right ear along its major axis.





RANGES*		F	CUMF	FPCT	CUMPCT
6.85-	6.95	1	1905	0.05	100.00
6.75-	6.85	0	1904	0.00	99.95
6.65-	6.75	3	1904	0.16	99.95
6.55-	6.65	0	1901	0.00	99.79
6.45-	6.55	3	1901	0.16	99.79
6.35-	6.45	5	1898	0.26	99.63
6.25-	6.35	10	1893	0.52	99.37
6.15-	6.25	12	1883	0.63	98.85
6.05-	6.15	22	1871	1.15	98.22
5.95-	6.05	57	1849	2.99	97.06
5.85-	5.95	56	1792	2.94	94.07
5.75-	5.85	56	1736	2.94	91.13
5.65-	5.75	72	1680	3.78	88.19
5.55-	5.65	133	1608	6.98	84.41
5.45-	5.55	163	1475	8.56	77.43
5.35-	5.45	166	1312	8.71	68.87
5.25-	5.35	159	1146	8.35	60.16
5.15-	5.25	191	987	10.03	51.81
5.05-	5.15	178	796	9.34	41.78
4.95-	5.05	187	618	9.82	32.44
4.85-	4.95	99	431	5.20	22.62
4.75-	4.85	91	332	4.78	17.43
4.65-	4.75	58	241	3.04	12.65
4.55-	4.65	51	183	2.68	9.61
4.45-	4.55	46	132	2.41	6.93
4.35-	4.45	32	86	1.68	4.51
4.25-	4.35	24	54	1.26	2.83
4.15-	4.25	13	30	0.68	1.57
4.05-	4.15	8	17	0.42	0.89
3.95-	4.05	4	9	0.21	0.47
3.85-	3.95	0	5	0.00	0.26
3.75-	3.85	3	5	0.16	0.26
3.65-	3.75	0	2	0.00	0.10
3.55-	3.65	1	2	0.05	0.10
3.45-	3.55	1	1	0.05	0.05

*IN CENTIMETERS

CENTIMETERS		INCHES
5.24	MEAN VALUE	2.06
0.01	SE(MEAN)	0.00
0.44	SD DEVIATION	0.17
0.01	SE(SD DEV)	0.00

****

SYMMETRY---VETA I = -0.07
KURTOSIS---VETA II = 3.36
COEF. OF VARIATION = 8.5%

****

NUMBER OF SUBJECTS = 1905

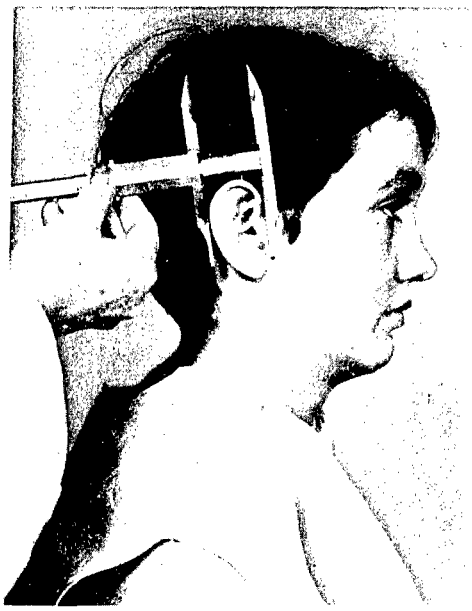
****

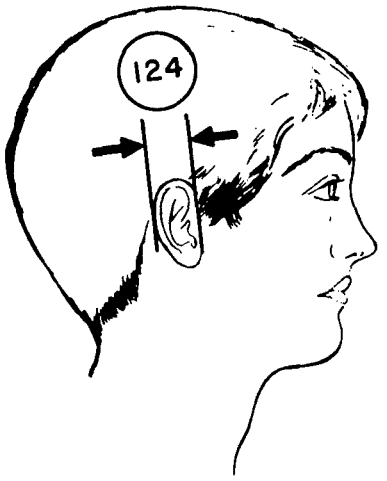
THE PERCENTILES

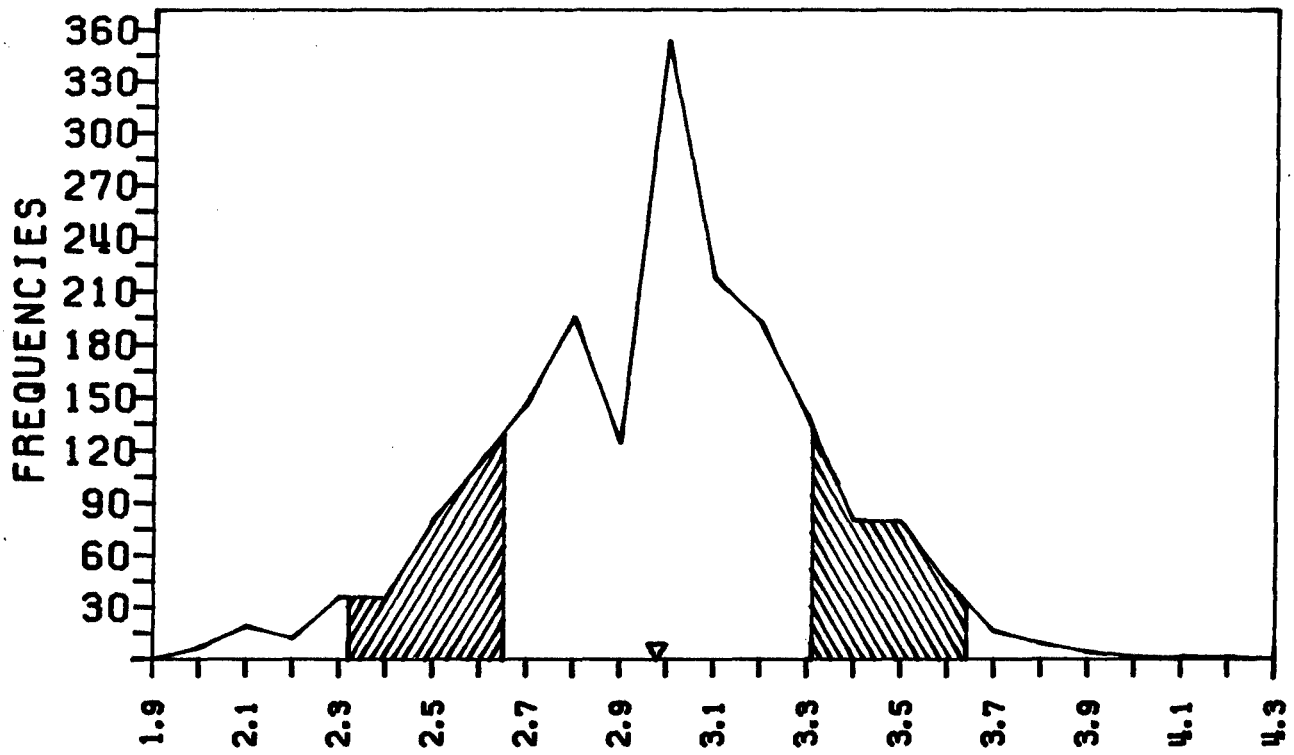
CENTIMETERS		INCHES
6.28	99TH	2.47
6.14	98TH	2.42
6.06	97TH	2.39
5.95	95TH	2.34
5.79	90TH	2.28
5.68	85TH	2.24
5.60	80TH	2.20
5.53	75TH	2.18
5.46	70TH	2.15
5.41	65TH	2.13
5.35	60TH	2.11
5.30	55TH	2.09
5.24	50TH	2.06
5.19	45TH	2.04
5.14	40TH	2.02
5.08	35TH	2.00
5.02	30TH	1.98
4.95	25TH	1.95
4.87	20TH	1.92
4.79	15TH	1.88
4.67	10TH	1.84
4.49	5TH	1.77
4.38	3RD	1.72
4.29	2ND	1.69
4.15	1ST	1.63

(124) EAR BREADTH

Subjects sits. With a sliding caliper, measure the maximum breadth of the right ear in a plane perpendicular to its major axis.







RANGES*		F	CUMF	FPCT	CUMPCT
4.15-	4.25	1	1905	0.05	100.00
4.05-	4.15	1	1904	0.05	99.95
3.95-	4.05	1	1903	0.05	99.90
3.85-	3.95	4	1902	0.21	99.84
3.75-	3.85	9	1898	0.47	99.63
3.65-	3.75	16	1889	0.84	99.16
3.55-	3.65	44	1873	2.31	98.32
3.45-	3.55	79	1829	4.15	96.01
3.35-	3.45	80	1750	4.20	91.86
3.25-	3.35	139	1670	7.30	87.66
3.15-	3.25	192	1531	10.08	80.37
3.05-	3.15	217	1339	11.39	70.29
2.95-	3.05	353	1122	18.53	58.90
2.85-	2.95	124	769	6.51	40.37
2.75-	2.85	196	645	10.29	33.86
2.65-	2.75	147	449	7.72	23.57
2.55-	2.65	113	302	5.93	15.85
2.45-	2.55	80	189	4.20	9.92
2.35-	2.45	35	109	1.84	5.72
2.25-	2.35	36	74	1.89	3.88
2.15-	2.25	12	38	0.63	1.99
2.05-	2.15	19	26	1.00	1.36
1.95-	2.05	7	7	0.37	0.37

*IN CENTIMETERS

CENTIMETERS		INCHES
2.98	MEAN VALUE	1.17
0.01	SE(MEAN)	0.00
0.33	SD DEVIATION	0.13
0.01	SE(SD DEV)	0.00

****

SYMMETRY---VETA I = -0.15
KURTOSIS---VETA II = 3.18
COEF. OF VARIATION = 11.2%

****

NUMBER OF SUBJECTS = 1905

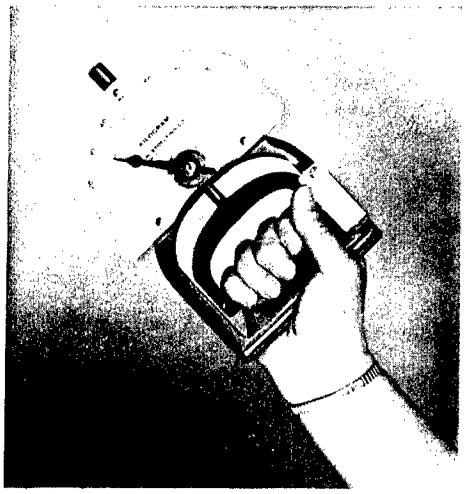
****

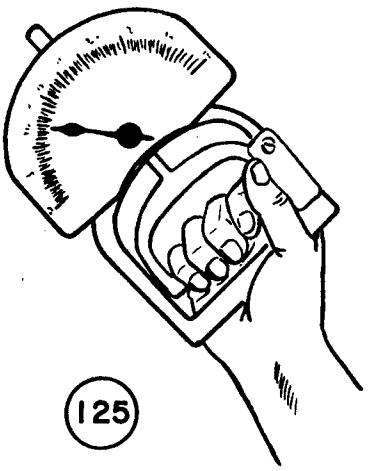
THE PERCENTILES

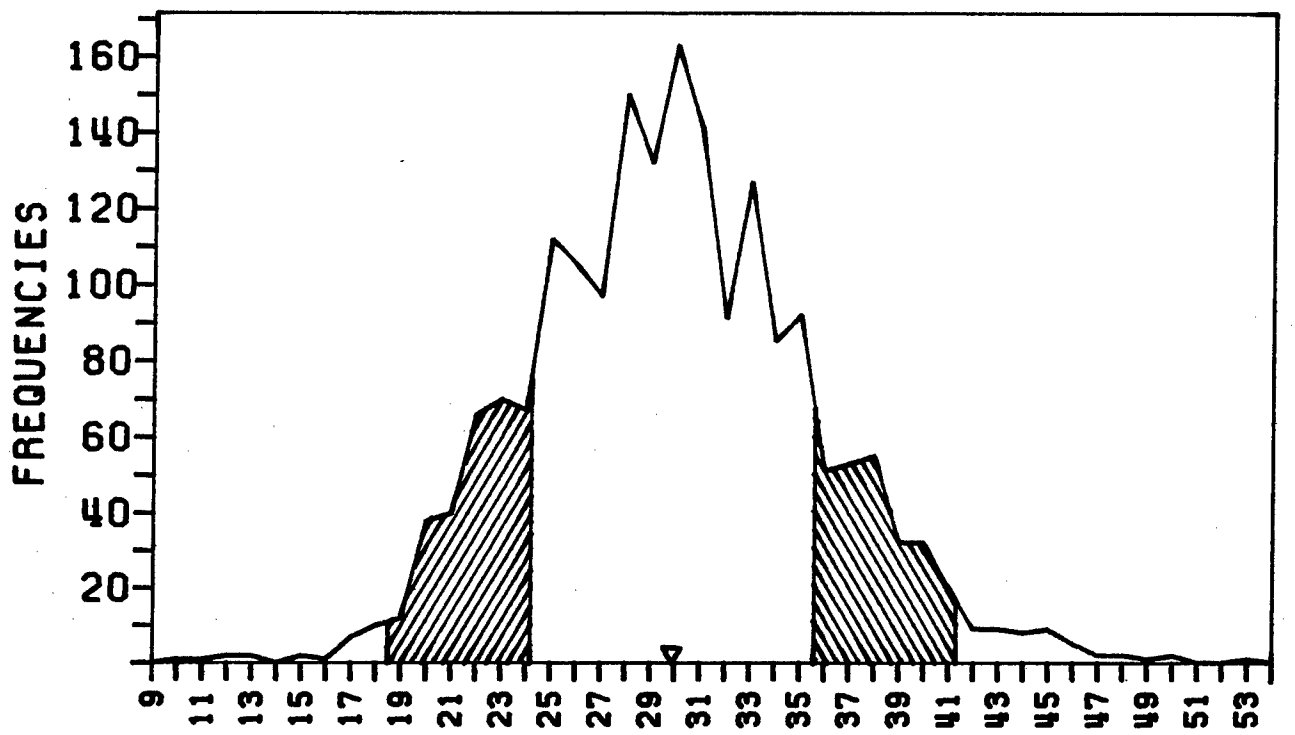
CENTIMETERS		INCHES
3.73	99TH	1.47
3.64	98TH	1.43
3.59	97TH	1.41
3.51	95TH	1.38
3.40	90TH	1.34
3.32	85TH	1.31
3.26	80TH	1.28
3.20	75TH	1.26
3.16	70TH	1.24
3.11	65TH	1.23
3.07	60TH	1.21
3.03	55TH	1.19
2.99	50TH	1.18
2.95	45TH	1.16
2.91	40TH	1.15
2.87	35TH	1.13
2.82	30TH	1.11
2.77	25TH	1.09
2.71	20TH	1.07
2.64	15TH	1.04
2.55	10TH	1.00
2.41	5TH	0.95
2.31	3RD	0.91
2.24	2ND	0.88
2.11	1ST	0.83

(125) GRIP STRENGTH

Subject stands, gripping with her preferred hand a Smedley dynamometer adjusted to a 5 cm grip. She is asked to squeeze the dynamometer as hard as possible. After about a minute's rest, she is asked to squeeze the dynamometer again and is urged to better her previous score. Record the higher score.







RANGES*	F	CUMF	FPCT	CUMPCT
52.50- 53.50	1	1905	0.05	100.00
51.50- 52.50	0	1904	0.00	99.95
50.50- 51.50	0	1904	0.00	99.95
49.50- 50.50	2	1904	0.10	99.95
48.50- 49.50	1	1902	0.05	99.84
47.50- 48.50	2	1901	0.10	99.79
46.50- 47.50	2	1899	0.10	99.69
45.50- 46.50	5	1897	0.26	99.58
44.50- 45.50	9	1892	0.47	99.32
43.50- 44.50	8	1883	0.42	98.85
42.50- 43.50	9	1875	0.47	98.43
41.50- 42.50	9	1866	0.47	97.95
40.50- 41.50	20	1857	1.05	97.48
39.50- 40.50	32	1837	1.68	96.43
38.50- 39.50	32	1805	1.68	94.75
37.50- 38.50	55	1773	2.89	93.07
36.50- 37.50	53	1718	2.78	90.18
35.50- 36.50	51	1665	2.68	87.40
34.50- 35.50	92	1614	4.83	84.72
33.50- 34.50	85	1522	4.46	79.90
32.50- 33.50	127	1437	6.67	75.43
31.50- 32.50	91	1310	4.78	68.77
30.50- 31.50	141	1219	7.40	63.99
29.50- 30.50	163	1078	8.56	56.59
28.50- 29.50	132	915	6.93	48.03
27.50- 28.50	150	783	7.87	41.10
26.50- 27.50	97	633	5.09	33.23
25.50- 26.50	105	536	5.51	28.14
24.50- 25.50	112	431	5.88	22.62
23.50- 24.50	67	319	3.52	16.75
22.50- 23.50	70	252	3.67	13.23
21.50- 22.50	66	182	3.46	9.55
20.50- 21.50	40	116	2.10	6.09
19.50- 20.50	38	76	1.99	3.99
18.50- 19.50	12	38	0.63	1.99
17.50- 18.50	10	26	0.52	1.36
16.50- 17.50	7	16	0.37	0.84
15.50- 16.50	1	9	0.05	0.47
14.50- 15.50	2	8	0.10	0.42
13.50- 14.50	0	6	0.00	0.31
12.50- 13.50	2	6	0.10	0.31
11.50- 12.50	2	4	0.10	0.21
10.50- 11.50	1	2	0.05	0.10
9.50- 10.50	1	1	0.05	0.05

*IN KILOGRAMS

KILOGRAMS		POUNDS
29.89	MEAN VALUE	65.90
0.13	SE(MEAN)	0.29
5.70	SD DEVIATION	12.57
0.09	SE(SD DEV)	0.20

****

SYMMETRY---VETA I = 0.25
KURTOSIS---VETA II = 3.31
COEF. OF VARIATION = 19.1%

****

NUMBER OF SUBJECTS = 1905

****

THE PERCENTILES

KILOGRAMS		POUNDS
44.76	99TH	98.67
42.58	98TH	93.87
41.28	97TH	91.01
39.61	95TH	87.33
37.20	90TH	82.02
35.67	85TH	78.63
34.49	80TH	76.04
33.50	75TH	73.85
32.63	70TH	71.93
31.83	65TH	70.18
31.09	60TH	68.53
30.37	55TH	66.96
29.67	50TH	65.41
28.97	45TH	63.87
28.27	40TH	62.33
27.56	35TH	60.75
26.80	30TH	59.09
26.00	25TH	57.32
25.11	20TH	55.35
24.09	15TH	53.11
22.83	10TH	50.32
21.03	5TH	46.36
19.93	3RD	43.93
19.15	2ND	42.23
18.02	1ST	39.74

SECTION VIII

THE OVER-FOUNDATION-GARMENT MEASUREMENTS

At the request of clothing designers, a series of measurements to be made on the subjects while they were wearing foundation garments was included in the survey plan. Each subject was instructed to bring to the measuring room the type of foundation garment which she normally wore. Approximately four out of five subjects complied with this instruction, and thirteen dimensions of the lower trunk were measured on these women, first without, and then while they were wearing their foundation garment.

The measuring techniques used in making these thirteen measurements over the foundation garment were exactly the same as those described in the preceding section for the corresponding measurements, and are not further described here.

Statistical summaries and frequency distributions are presented in this section for weight, stature, the thirteen over-foundation-garment measurements, and for their companion measurements; the data for the companion measurements and for weight and stature are based on the sample of women who were measured wearing foundation garments, a group several times referred to later in the report as the 'over-foundation-garment subseries'.

This subseries is somewhat more heavily weighted with enlisted women than was the total sample: 83% of the enlisted women in the total sample are included in the subseries, but only 72% of the officers and officer trainees. The median age for the subseries is 20.8 years, slightly below 21.0, the median for the entire sample. The subseries and the total series are of almost equal stature, the subseries averaging 162.0 cm (63.78 in), and the total series 162.1 cm (63.82 in). The difference in weight is also small, about two-fifths of a kilogram (0.9 lb), but is enough to indicate that the women who did not bring foundation garments to the measuring session averaged about two kilograms lighter than those who did.

For most of the members of the subseries, the type of garment they were wearing was recorded. The numbers wearing each of the various types are as follows:

1. Panty girdle (regular): 471 (31%)
2. Long-leg (long-line) panty girdle: 235 (16%)
3. Regular girdle: 70 (5%)
4. Long-leg (long-line) girdle: 670 (44%)
5. Corset: 2 (0.1%)
6. Panty or other girdle without panty underneath: 15 (1%)
7. Miscellaneous or not specified: 49 (3%)

Means and standard deviations for all 137 measurements for the 'over-foundation-garment' subseries will be found in table XXII, which appears in Part B of this report.

1A AGE - SUBJECTS IN OFG SERIES

RANGES	F	CUMF	FPCT	CUMPCT
56.00- 57.00	1	1513	0.07	100.00
55.00- 56.00	0	1512	0.00	99.93
54.00- 55.00	0	1512	0.00	99.93
53.00- 54.00	2	1512	0.13	99.93
52.00- 53.00	0	1510	0.00	99.80
51.00- 52.00	3	1510	0.20	99.80
50.00- 51.00	1	1507	0.07	99.60
49.00- 50.00	2	1506	0.13	99.54
48.00- 49.00	1	1504	0.07	99.41
47.00- 48.00	4	1503	0.26	99.34
46.00- 47.00	3	1499	0.20	99.07
45.00- 46.00	6	1496	0.40	98.88
44.00- 45.00	6	1490	0.40	98.48
43.00- 44.00	13	1484	0.86	98.08
42.00- 43.00	8	1471	0.53	97.22
41.00- 42.00	4	1463	0.26	96.70
40.00- 41.00	11	1459	0.73	96.43
39.00- 40.00	10	1448	0.66	95.70
38.00- 39.00	14	1438	0.93	95.04
37.00- 38.00	9	1424	0.59	94.12
36.00- 37.00	15	1415	0.99	93.52
35.00- 36.00	10	1400	0.66	92.53
34.00- 35.00	14	1390	0.93	91.87
33.00- 34.00	11	1376	0.73	90.95
32.00- 33.00	19	1365	1.26	90.22
31.00- 32.00	10	1346	0.66	88.96
30.00- 31.00	10	1336	0.66	88.30
29.00- 30.00	16	1326	1.06	87.64
28.00- 29.00	18	1310	1.19	86.58
27.00- 28.00	25	1292	1.65	85.39
26.00- 27.00	29	1267	1.92	83.74
25.00- 26.00	49	1238	3.24	81.82
24.00- 25.00	49	1189	3.24	78.59
23.00- 24.00	79	1140	5.22	75.35
22.00- 23.00	103	1061	6.81	70.13
21.00- 22.00	151	958	9.98	63.32
20.00- 21.00	209	807	13.81	53.34
19.00- 20.00	321	598	21.22	39.52
18.00- 19.00	277	277	18.31	18.31

ALL VALUES ARE IN YEARS

THE ARITHMETIC MEAN	23.23
STD ERROR (MEAN)	0.17
THE STANDARD DEVIATION	6.47
STD ERROR (STD DEV)	0.12

****

SYMMETRY---VETA I = 2.16
KURTOSIS---VETA II = 7.46
COEF. OF VARIATION = 27.9%

****

NUMBER OF SUBJECTS = 1513

****

THE PERCENTILES

99TH	46.62
98TH	43.90
97TH	42.58
95TH	38.95
90TH	32.83
85TH	27.76
80TH	25.44
75TH	23.93
70TH	22.98
65TH	22.25
60TH	21.67
55TH	21.17
50TH	20.76
45TH	20.40
40TH	20.03
35TH	19.79
30TH	19.55
25TH	19.32
20TH	19.08
15TH	18.82
10TH	18.55
5TH	18.27
3RD	18.16
2ND	18.11
1ST	18.05

2A WEIGHT - SUBJECTS IN OFG SERIES

RANGES*	F	CUMF	FPCT	CUMPCT
199.50-202.50	1	1513	0.07	100.00
196.50-199.50	1	1512	0.07	99.93
193.50-196.50	2	1511	0.13	99.87
190.50-193.50	0	1509	0.00	99.74
187.50-190.50	2	1509	0.13	99.74
184.50-187.50	3	1507	0.20	99.60
181.50-184.50	5	1504	0.33	99.41
178.50-181.50	1	1499	0.07	99.07
175.50-178.50	4	1498	0.26	99.01
172.50-175.50	3	1494	0.20	98.74
169.50-172.50	5	1491	0.33	98.55
166.50-169.50	7	1486	0.46	98.22
163.50-166.50	10	1479	0.66	97.75
160.50-163.50	7	1469	0.46	97.09
157.50-160.50	16	1462	1.06	96.63
154.50-157.50	21	1446	1.39	95.57
151.50-154.50	32	1425	2.12	94.18
148.50-151.50	42	1393	2.78	92.07
145.50-148.50	45	1351	2.97	89.29
142.50-145.50	67	1306	4.43	86.32
139.50-142.50	62	1239	4.10	81.89
136.50-139.50	82	1177	5.42	77.79
133.50-136.50	101	1095	6.68	72.37
130.50-133.50	85	994	5.62	65.70
127.50-130.50	130	909	8.59	60.08
124.50-127.50	122	779	8.06	51.49
121.50-124.50	116	657	7.67	43.42
118.50-121.50	98	541	6.48	35.76
115.50-118.50	103	443	6.81	29.28
112.50-115.50	96	340	6.35	22.47
109.50-112.50	68	244	4.49	16.13
106.50-109.50	46	176	3.04	11.63
103.50-106.50	54	130	3.57	8.59
100.50-103.50	27	76	1.78	5.02
97.50-100.50	33	49	2.18	3.24
94.50- 97.50	13	16	0.86	1.06
91.50- 94.50	2	3	0.13	0.20
88.50- 91.50	1	1	0.07	0.07

*IN POUNDS

POUNDS		KILOGRAMS
128.16	MEAN VALUE	58.13
0.42	SE(MEAN)	0.19
16.52	SD DEVIATION	7.49
0.30	SE(SD DEV)	0.14

****

SYMMETRY---VETA I = 0.68
KURTOSIS---VETA II = 4.06
COEF. OF VARIATION = 12.9%

****

NUMBER OF SUBJECTS = 1513

****

THE PERCENTILES

POUNDS		KILOGRAMS
177.91	99TH	80.70
168.44	98TH	76.40
163.23	97TH	74.04
156.98	95TH	71.21
148.84	90TH	67.51
144.07	85TH	65.35
140.61	80TH	63.78
137.76	75TH	62.49
135.30	70TH	61.37
133.09	65TH	60.37
131.02	60TH	59.43
129.04	55TH	58.53
127.09	50TH	57.65
125.15	45TH	56.77
123.20	40TH	55.88
121.18	35TH	54.97
119.06	30TH	54.00
116.77	25TH	52.96
114.23	20TH	51.81
111.34	15TH	50.50
107.82	10TH	48.91
103.09	5TH	46.76
100.50	3RD	45.59
98.93	2ND	44.88
97.23	1ST	44.10

7A STATURE - SUBJECTS IN OFG SERIES

RANGES*	F	CUMF	FPCT	CUMPCT
182.25-183.25	1	1513	0.07	100.00
181.25-182.25	0	1512	0.00	99.93
180.25-181.25	1	1512	0.07	99.93
179.25-180.25	2	1511	0.13	99.87
178.25-179.25	2	1509	0.13	99.74
177.25-178.25	1	1507	0.07	99.60
176.25-177.25	7	1506	0.46	99.54
175.25-176.25	4	1499	0.26	99.07
174.25-175.25	4	1495	0.26	98.81
173.25-174.25	22	1491	1.45	98.55
172.25-173.25	18	1469	1.19	97.09
171.25-172.25	29	1451	1.92	95.90
170.25-171.25	30	1422	1.98	93.99
169.25-170.25	46	1392	3.04	92.00
168.25-169.25	52	1346	3.44	88.96
167.25-168.25	78	1294	5.16	85.53
166.25-167.25	66	1216	4.36	80.37
165.25-166.25	73	1150	4.82	76.01
164.25-165.25	74	1077	4.89	71.18
163.25-164.25	108	1003	7.14	66.29
162.25-163.25	99	895	6.54	59.15
161.25-162.25	107	796	7.07	52.61
160.25-161.25	100	689	6.61	45.54
159.25-160.25	84	589	5.55	38.93
158.25-159.25	92	505	6.08	33.38
157.25-158.25	80	413	5.29	27.30
156.25-157.25	76	333	5.02	22.01
155.25-156.25	69	257	4.56	16.99
154.25-155.25	55	188	3.64	12.43
153.25-154.25	34	133	2.25	8.79
152.25-153.25	31	99	2.05	6.54
151.25-152.25	22	68	1.45	4.49
150.25-151.25	24	46	1.59	3.04
149.25-150.25	9	22	0.59	1.45
148.25-149.25	6	13	0.40	0.86
147.25-148.25	4	7	0.26	0.46
146.25-147.25	1	3	0.07	0.20
145.25-146.25	1	2	0.07	0.13
144.25-145.25	1	1	0.07	0.07

*IN CENTIMETERS

CENTIMETERS		INCHES
161.99	MEAN VALUE	63.78
0.15	SE(MEAN)	0.06
5.82	SD DEVIATION	2.29
0.11	SE(SD DEV)	0.04

****

SYMMETRY---VETA I = 0.13
KURTOSIS---VETA II = 2.83
COEF. OF VARIATION = 3.6%

****

NUMBER OF SUBJECTS = 1513

****

THE PERCENTILES

CENTIMETERS		INCHES
175.81	99TH	69.22
174.17	98TH	68.57
173.14	97TH	68.17
171.74	95TH	67.62
169.59	90TH	66.77
168.12	85TH	66.19
166.96	80TH	65.73
165.96	75TH	65.34
165.05	70TH	64.98
164.22	65TH	64.65
163.42	60TH	64.34
162.65	55TH	64.04
161.89	50TH	63.74
161.13	45TH	63.44
160.37	40TH	63.14
159.58	35TH	62.83
158.75	30TH	62.50
157.86	25TH	62.15
156.88	20TH	61.76
155.77	15TH	61.33
154.40	10TH	60.79
152.50	5TH	60.04
151.36	3RD	59.59
150.57	2ND	59.28
149.47	1ST	58.84

126A WAIST HEIGHT - SUBJECTS IN OFG SERIES

RANGES*	F	CUMF	FPCT	CUMPCT
115.25-116.25	1	1513	0.07	100.00
114.25-115.25	1	1512	0.07	99.93
113.25-114.25	2	1511	0.13	99.87
112.25-113.25	2	1509	0.13	99.74
111.25-112.25	6	1507	0.40	99.60
110.25-111.25	9	1501	0.59	99.21
109.25-110.25	12	1492	0.79	98.61
108.25-109.25	19	1480	1.26	97.82
107.25-108.25	38	1461	2.51	96.56
106.25-107.25	41	1423	2.71	94.05
105.25-106.25	63	1382	4.16	91.34
104.25-105.25	58	1319	3.83	87.18
103.25-104.25	105	1261	6.94	83.34
102.25-103.25	123	1156	8.13	76.40
101.25-102.25	126	1033	8.33	68.27
100.25-101.25	128	907	8.46	59.95
99.25-100.25	130	779	8.59	51.49
98.25- 99.25	138	649	9.12	42.89
97.25- 98.25	118	511	7.80	33.77
96.25- 97.25	99	393	6.54	25.97
95.25- 96.25	89	294	5.88	19.43
94.25- 95.25	70	205	4.63	13.55
93.25- 94.25	51	135	3.37	8.92
92.25- 93.25	43	84	2.84	5.55
91.25- 92.25	20	41	1.32	2.71
90.25- 91.25	11	21	0.73	1.39
89.25- 90.25	4	10	0.26	0.66
88.25- 89.25	3	6	0.20	0.40
87.25- 88.25	3	3	0.20	0.20

*IN CENTIMETERS

CENTIMETERS		INCHES
100.18	MEAN VALUE	39.44
0.11	SE(MEAN)	0.04
4.38	SD DEVIATION	1.72
0.08	SE(SD DEV)	0.03

****

SYMMETRY---VETA I = 0.14
KURTOSIS---VETA II = 2.91
COEF. OF VARIATION = 4.4%

****

NUMBER OF SUBJECTS = 1513

****

THE PERCENTILES

CENTIMETERS		INCHES
110.87	99TH	43.65
109.51	98TH	43.11
108.67	97TH	42.78
107.55	95TH	42.34
105.86	90TH	41.68
104.74	85TH	41.24
103.86	80TH	40.89
103.10	75TH	40.59
102.43	70TH	40.32
101.80	65TH	40.08
101.21	60TH	39.85
100.64	55TH	39.62
100.08	50TH	39.40
99.51	45TH	39.18
98.95	40TH	38.96
98.36	35TH	38.73
97.75	30TH	38.49
97.10	25TH	38.23
96.37	20TH	37.94
95.54	15TH	37.62
94.53	10TH	37.22
93.10	5TH	36.65
92.24	3RD	36.31
91.64	2ND	36.08
90.80	1ST	35.75

126B WAIST HEIGHT, OVER FOUNDATION GARMENT

RANGES*	F	CUMF	FPCT	CUMPCT
115.25-116.25	1	1513	0.07	100.00
114.25-115.25	2	1512	0.13	99.93
113.25-114.25	4	1510	0.26	99.80
112.25-113.25	2	1506	0.13	99.54
111.25-112.25	7	1504	0.46	99.41
110.25-111.25	11	1497	0.73	98.94
109.25-110.25	16	1486	1.06	98.22
108.25-109.25	29	1470	1.92	97.16
107.25-108.25	41	1441	2.71	95.24
106.25-107.25	55	1400	3.64	92.53
105.25-106.25	64	1345	4.23	88.90
104.25-105.25	94	1281	6.21	84.67
103.25-104.25	106	1187	7.01	78.45
102.25-103.25	124	1081	8.20	71.45
101.25-102.25	138	957	9.12	63.25
100.25-101.25	129	819	8.53	54.13
99.25-100.25	116	690	7.67	45.60
98.25- 99.25	144	574	9.52	37.94
97.25- 98.25	106	430	7.01	28.42
96.25- 97.25	94	324	6.21	21.41
95.25- 96.25	81	230	5.35	15.20
94.25- 95.25	51	149	3.37	9.85
93.25- 94.25	38	98	2.51	6.48
92.25- 93.25	26	60	1.72	3.97
91.25- 92.25	16	34	1.06	2.25
90.25- 91.25	8	18	0.53	1.19
89.25- 90.25	3	10	0.20	0.66
88.25- 89.25	6	7	0.40	0.46
87.25- 88.25	0	1	0.00	0.07
86.25- 87.25	1	1	0.07	0.07

*IN CENTIMETERS

CENTIMETERS		INCHES
100.80	MEAN VALUE	39.68
0.11	SE(MEAN)	0.04
4.40	SD DEVIATION	1.73
0.08	SE(SD DEV)	0.03

****

SYMMETRY---VETA I = 0.11
KURTOSIS---VETA II = 2.96
COEF. OF VARIATION = 4.4%

****

NUMBER OF SUBJECTS = 1513

****

THE PERCENTILES

CENTIMETERS		INCHES
111.33	99TH	43.83
110.06	98TH	43.33
109.25	97TH	43.01
108.16	95TH	42.58
106.50	90TH	41.93
105.38	85TH	41.49
104.50	80TH	41.14
103.74	75TH	40.84
103.06	70TH	40.58
102.44	65TH	40.33
101.85	60TH	40.10
101.29	55TH	39.88
100.73	50TH	39.66
100.17	45TH	39.44
99.61	40TH	39.22
99.03	35TH	38.99
98.43	30TH	38.75
97.78	25TH	38.49
97.05	20TH	38.21
96.22	15TH	37.88
95.18	10TH	37.47
93.66	5TH	36.87
92.70	3RD	36.49
92.00	2ND	36.22
90.92	1ST	35.79

127A ABDOMINAL EXTENSION HEIGHT - SUBJECTS IN OFG SERIES

RANGES*	F	CUMF	FPCT	CUMPCT
107.25-108.25	1	1513	0.07	100.00
106.25-107.25	0	1512	0.00	99.93
105.25-106.25	6	1512	0.40	99.93
104.25-105.25	6	1506	0.40	99.54
103.25-104.25	2	1500	0.13	99.14
102.25-103.25	14	1498	0.93	99.01
101.25-102.25	20	1484	1.32	98.08
100.25-101.25	31	1464	2.05	96.76
99.25-100.25	39	1433	2.58	94.71
98.25- 99.25	68	1394	4.49	92.13
97.25- 98.25	71	1326	4.69	87.64
96.25- 97.25	80	1255	5.29	82.95
95.25- 96.25	106	1175	7.01	77.66
94.25- 95.25	125	1069	8.26	70.65
93.25- 94.25	131	944	8.66	62.39
92.25- 93.25	155	813	10.24	53.73
91.25- 92.25	149	658	9.85	43.49
90.25- 91.25	117	509	7.73	33.64
89.25- 90.25	109	392	7.20	25.91
88.25- 89.25	78	283	5.16	18.70
87.25- 88.25	67	205	4.43	13.55
86.25- 87.25	53	138	3.50	9.12
85.25- 86.25	38	85	2.51	5.62
84.25- 85.25	20	47	1.32	3.11
83.25- 84.25	13	27	0.86	1.78
82.25- 83.25	8	14	0.53	0.93
81.25- 82.25	2	6	0.13	0.40
80.25- 81.25	1	4	0.07	0.26
79.25- 80.25	2	3	0.13	0.20
78.25- 79.25	1	1	0.07	0.07

*IN CENTIMETERS

CENTIMETERS		INCHES
93.05	MEAN VALUE	36.63
0.11	SE(MEAN)	0.04
4.32	SD DEVIATION	1.70
0.08	SE(SD DEV)	0.03

****

SYMMETRY---VETA I = 0.13
KURTOSIS---VETA II = 3.01
COEF. OF VARIATION = 4.6%

****

NUMBER OF SUBJECTS = 1513

****

THE PERCENTILES

CENTIMETERS		INCHES
103.29	99TH	40.67
102.16	98TH	40.22
101.41	97TH	39.93
100.37	95TH	39.51
98.72	90TH	38.87
97.59	85TH	38.42
96.71	80TH	38.07
95.94	75TH	37.77
95.26	70TH	37.50
94.63	65TH	37.26
94.04	60TH	37.03
93.48	55TH	36.80
92.93	50TH	36.59
92.38	45TH	36.37
91.83	40TH	36.15
91.27	35TH	35.93
90.68	30TH	35.70
90.05	25TH	35.45
89.36	20TH	35.18
88.56	15TH	34.87
87.56	10TH	34.47
86.10	5TH	33.90
85.14	3RD	33.52
84.43	2ND	33.24
83.29	1ST	32.79

127B ABDOMINAL EXTENSION HEIGHT, OVER FOUNDATION GARMENT

RANGES*	F	CUMF	FPCT	CUMPCT
107.25-108.25	1	1513	0.07	100.00
106.25-107.25	3	1512	0.20	99.93
105.25-106.25	0	1509	0.00	99.74
104.25-105.25	4	1509	0.26	99.74
103.25-104.25	5	1505	0.33	99.47
102.25-103.25	13	1500	0.86	99.14
101.25-102.25	10	1487	0.66	98.28
100.25-101.25	31	1477	2.05	97.62
99.25-100.25	44	1446	2.91	95.57
98.25- 99.25	65	1402	4.30	92.66
97.25- 98.25	70	1337	4.63	88.37
96.25- 97.25	88	1267	5.82	83.74
95.25- 96.25	89	1179	5.88	77.92
94.25- 95.25	104	1090	6.87	72.04
93.25- 94.25	162	986	10.71	65.17
92.25- 93.25	140	824	9.25	54.46
91.25- 92.25	143	684	9.45	45.21
90.25- 91.25	125	541	8.26	35.76
89.25- 90.25	118	416	7.80	27.50
88.25- 89.25	87	298	5.75	19.70
87.25- 88.25	62	211	4.10	13.95
86.25- 87.25	54	149	3.57	9.85
85.25- 86.25	38	95	2.51	6.28
84.25- 85.25	25	57	1.65	3.77
83.25- 84.25	17	32	1.12	2.12
82.25- 83.25	8	15	0.53	0.99
81.25- 82.25	2	7	0.13	0.46
80.25- 81.25	3	5	0.20	0.33
79.25- 80.25	1	2	0.07	0.13
78.25- 79.25	1	1	0.07	0.07

*IN CENTIMETERS

CENTIMETERS		INCHES
92.84	MEAN VALUE	36.55
0.11	SE(MEAN)	0.04
4.31	SD DEVIATION	1.70
0.08	SE(SD DEV)	0.03

****

SYMMETRY---VETA I = 0.09
KURTOSIS---VETA II = 3.01
COEF. OF VARIATION = 4.6%

****

NUMBER OF SUBJECTS = 1513

****

THE PERCENTILES

CENTIMETERS		INCHES
103.04	99TH	40.57
101.85	98TH	40.10
101.10	97TH	39.80
100.06	95TH	39.39
98.45	90TH	38.76
97.36	85TH	38.33
96.50	80TH	37.99
95.75	75TH	37.70
95.09	70TH	37.44
94.47	65TH	37.19
93.89	60TH	36.97
93.33	55TH	36.75
92.78	50TH	36.53
92.23	45TH	36.31
91.68	40TH	36.09
91.11	35TH	35.87
90.51	30TH	35.63
89.87	25TH	35.38
89.15	20TH	35.10
88.34	15TH	34.78
87.31	10TH	34.38
85.83	5TH	33.79
84.89	3RD	33.42
84.20	2ND	33.15
83.15	1ST	32.74

128A WAIST CIRCUMFERENCE - SUBJECTS IN OFG SERIES

RANGES*	F	CUMF	FPCT	CUMPCT
94.25- 95.25	1	1513	0.07	100.00
93.25- 94.25	0	1512	0.00	99.93
92.25- 93.25	0	1512	0.00	99.93
91.25- 92.25	1	1512	0.07	99.93
90.25- 91.25	1	1511	0.07	99.87
89.25- 90.25	0	1510	0.00	99.80
88.25- 89.25	1	1510	0.07	99.80
87.25- 88.25	4	1509	0.26	99.74
86.25- 87.25	1	1505	0.07	99.47
85.25- 86.25	3	1504	0.20	99.41
84.25- 85.25	4	1501	0.26	99.21
83.25- 84.25	3	1497	0.20	98.94
82.25- 83.25	6	1494	0.40	98.74
81.25- 82.25	6	1488	0.40	98.35
80.25- 81.25	9	1482	0.59	97.95
79.25- 80.25	14	1473	0.93	97.36
78.25- 79.25	11	1459	0.73	96.43
77.25- 78.25	17	1448	1.12	95.70
76.25- 77.25	17	1431	1.12	94.58
75.25- 76.25	29	1414	1.92	93.46
74.25- 75.25	41	1385	2.71	91.54
73.25- 74.25	36	1344	2.38	88.83
72.25- 73.25	50	1308	3.30	86.45
71.25- 72.25	55	1258	3.64	83.15
70.25- 71.25	80	1203	5.29	79.51
69.25- 70.25	96	1123	6.35	74.22
68.25- 69.25	112	1027	7.40	67.88
67.25- 68.25	106	915	7.01	60.48
66.25- 67.25	131	809	8.66	53.47
65.25- 66.25	113	678	7.47	44.81
64.25- 65.25	111	565	7.34	37.34
63.25- 64.25	104	454	6.87	30.01
62.25- 63.25	108	350	7.14	23.13
61.25- 62.25	74	242	4.89	15.99
60.25- 61.25	74	168	4.89	11.10
59.25- 60.25	38	94	2.51	6.21
58.25- 59.25	40	56	2.64	3.70
57.25- 58.25	10	16	0.66	1.06
56.25- 57.25	4	6	0.26	0.40
55.25- 56.25	2	2	0.13	0.13

*IN CENTIMETERS

CENTIMETERS		INCHES
67.51	MEAN VALUE	26.58
0.14	SE(MEAN)	0.06
5.50	SD DEVIATION	2.17
0.10	SE(SD DEV)	0.04

****

SYMMETRY---VETA I = 0.90
KURTOSIS---VETA II = 4.39
COEF. OF VARIATION = 8.1%

****

NUMBER OF SUBJECTS = 1513

****

THE PERCENTILES

CENTIMETERS		INCHES
84.53	99TH	33.28
81.45	98TH	32.07
79.70	97TH	31.38
77.53	95TH	30.52
74.60	90TH	29.37
72.85	85TH	28.68
71.58	80TH	28.18
70.53	75TH	27.77
69.65	70TH	27.42
68.86	65TH	27.11
68.13	60TH	26.82
67.45	55TH	26.56
66.80	50TH	26.30
66.16	45TH	26.05
65.54	40TH	25.80
64.90	35TH	25.55
64.25	30TH	25.30
63.57	25TH	25.03
62.83	20TH	24.74
62.01	15TH	24.42
61.04	10TH	24.03
59.76	5TH	23.53
59.06	3RD	23.25
58.63	2ND	23.08
58.11	1ST	22.88

128B WAIST CIRCUMFERENCE, OVER FOUNDATION GARMENT

RANGES*	F	CUMF	FPCT	CUMPCT
88.25- 89.25	1	1513	0.07	100.00
87.25- 88.25	0	1512	0.00	99.93
86.25- 87.25	3	1512	0.20	99.93
85.25- 86.25	2	1509	0.13	99.74
84.25- 85.25	4	1507	0.26	99.60
83.25- 84.25	2	1503	0.13	99.34
82.25- 83.25	2	1501	0.13	99.21
81.25- 82.25	7	1499	0.46	99.07
80.25- 81.25	6	1492	0.40	98.61
79.25- 80.25	10	1486	0.66	98.22
78.25- 79.25	11	1476	0.73	97.55
77.25- 78.25	17	1465	1.12	96.83
76.25- 77.25	17	1448	1.12	95.70
75.25- 76.25	14	1431	0.93	94.58
74.25- 75.25	19	1417	1.26	93.65
73.25- 74.25	42	1398	2.78	92.40
72.25- 73.25	39	1356	2.58	89.62
71.25- 72.25	41	1317	2.71	87.05
70.25- 71.25	49	1276	3.24	84.34
69.25- 70.25	65	1227	4.30	81.10
68.25- 69.25	92	1162	6.08	76.80
67.25- 68.25	110	1070	7.27	70.72
66.25- 67.25	116	960	7.67	63.45
65.25- 66.25	123	844	8.13	55.78
64.25- 65.25	113	721	7.47	47.65
63.25- 64.25	139	608	9.19	40.19
62.25- 63.25	115	469	7.60	31.00
61.25- 62.25	116	354	7.67	23.40
60.25- 61.25	94	238	6.21	15.73
59.25- 60.25	56	144	3.70	9.52
58.25- 59.25	46	88	3.04	5.82
57.25- 58.25	25	42	1.65	2.78
56.25- 57.25	13	17	0.86	1.12
55.25- 56.25	4	4	0.26	0.26

*IN CENTIMETERS

CENTIMETERS		INCHES
66.23	MEAN VALUE	26.08
0.14	SE(MEAN)	0.05
5.28	SD DEVIATION	2.08
0.10	SE(SD DEV)	0.04

****

SYMMETRY---VETA I = 0.91
KURTOSIS---VETA II = 4.11
COEF. OF VARIATION = 8.0%

****

NUMBER OF SUBJECTS = 1513

****

THE PERCENTILES

CENTIMETERS		INCHES
82.33	99TH	32.41
79.83	98TH	31.43
78.30	97TH	30.83
76.30	95TH	30.04
73.42	90TH	28.90
71.62	85TH	28.20
70.29	80TH	27.67
69.20	75TH	27.24
68.28	70TH	26.88
67.46	65TH	26.56
66.73	60TH	26.27
66.05	55TH	26.00
65.41	50TH	25.75
64.80	45TH	25.51
64.21	40TH	25.28
63.63	35TH	25.05
63.04	30TH	24.82
62.44	25TH	24.58
61.81	20TH	24.34
61.12	15TH	24.06
60.30	10TH	23.74
59.14	5TH	23.28
58.41	3RD	22.99
57.86	2ND	22.78
56.96	1ST	22.42

129A ABDOMINAL EXTENSION CIRCUMFERENCE - SUBJECTS IN OFG SERIES

RANGES*	F	CUMF	FPCT	CUMPCT
118.25-119.75	1	1513	0.07	100.00
116.75-118.25	0	1512	0.00	99.93
115.25-116.75	1	1512	0.07	99.93
113.75-115.25	1	1511	0.07	99.87
112.25-113.75	3	1510	0.20	99.80
110.75-112.25	3	1507	0.20	99.60
109.25-110.75	4	1504	0.26	99.41
107.75-109.25	5	1500	0.33	99.14
106.25-107.75	2	1495	0.13	98.81
104.75-106.25	5	1493	0.33	98.68
103.25-104.75	14	1488	0.93	98.35
101.75-103.25	9	1474	0.59	97.42
100.25-101.75	17	1465	1.12	96.83
98.75-100.25	16	1448	1.06	95.70
97.25- 98.75	25	1432	1.65	94.65
95.75- 97.25	33	1407	2.18	92.99
94.25- 95.75	45	1374	2.97	90.81
92.75- 94.25	65	1329	4.30	87.84
91.25- 92.75	78	1264	5.16	83.54
89.75- 91.25	104	1186	6.87	78.39
88.25- 89.75	105	1082	6.94	71.51
86.75- 88.25	117	977	7.73	64.57
85.25- 86.75	124	860	8.20	56.84
83.75- 85.25	135	736	8.92	48.65
82.25- 83.75	128	601	8.46	39.72
80.75- 82.25	116	473	7.67	31.26
79.25- 80.75	108	357	7.14	23.60
77.75- 79.25	84	249	5.55	16.46
76.25- 77.75	57	165	3.77	10.91
74.75- 76.25	46	108	3.04	7.14
73.25- 74.75	35	62	2.31	4.10
71.75- 73.25	13	27	0.86	1.78
70.25- 71.75	8	14	0.53	0.93
68.75- 70.25	4	6	0.26	0.40
67.25- 68.75	2	2	0.13	0.13

*IN CENTIMETERS

CENTIMETERS		INCHES
86.17	MEAN VALUE	33.93
0.19	SE(MEAN)	0.07
7.35	SD DEVIATION	2.89
0.13	SE(SD DEV)	0.05

****

SYMMETRY---VETA I = 0.66
KURTOSIS---VETA II = 3.94
COEF. OF VARIATION = 8.5%

****

NUMBER OF SUBJECTS = 1513

****

THE PERCENTILES

CENTIMETERS		INCHES
108.49	99TH	42.71
104.39	98TH	41.10
102.09	97TH	40.19
99.27	95TH	39.08
95.53	90TH	37.61
93.31	85TH	36.74
91.69	80TH	36.10
90.37	75TH	35.58
89.24	70TH	35.13
88.23	65TH	34.74
87.29	60TH	34.37
86.41	55TH	34.02
85.55	50TH	33.68
84.70	45TH	33.35
83.85	40TH	33.01
82.99	35TH	32.67
82.08	30TH	32.32
81.11	25TH	31.93
80.04	20TH	31.51
78.83	15TH	31.03
77.33	10TH	30.44
75.23	5TH	29.62
73.99	3RD	29.13
73.17	2ND	28.81
72.05	1ST	28.37

129B ABDOMINAL EXTENSION CIRCUMFERENCE, OVER FOUNDATION GARMENT

RANGES*	F	CUMF	FPCT	CUMPCT
116.75-118.25	3	1513	0.20	100.00
115.25-116.75	2	1510	0.13	99.80
113.75-115.25	3	1508	0.20	99.67
112.25-113.75	3	1505	0.20	99.47
110.75-112.25	2	1502	0.13	99.27
109.25-110.75	3	1500	0.20	99.14
107.75-109.25	3	1497	0.20	98.94
106.25-107.75	3	1494	0.20	98.74
104.75-106.25	8	1491	0.53	98.55
103.25-104.75	17	1483	1.12	98.02
101.75-103.25	15	1466	0.99	96.89
100.25-101.75	16	1451	1.06	95.90
98.75-100.25	20	1435	1.32	94.84
97.25- 98.75	41	1415	2.71	93.52
95.75- 97.25	45	1374	2.97	90.81
94.25- 95.75	61	1329	4.03	87.84
92.75- 94.25	83	1268	5.49	83.81
91.25- 92.75	64	1185	4.23	78.32
89.75- 91.25	115	1121	7.60	74.09
88.25- 89.75	123	1006	8.13	66.49
86.75- 88.25	132	883	8.72	58.36
85.25- 86.75	126	751	8.33	49.64
83.75- 85.25	127	625	8.39	41.31
82.25- 83.75	141	498	9.32	32.91
80.75- 82.25	96	357	6.35	23.60
79.25- 80.75	100	261	6.61	17.25
77.75- 79.25	60	161	3.97	10.64
76.25- 77.75	48	101	3.17	6.68
74.75- 76.25	28	53	1.85	3.50
73.25- 74.75	11	25	0.73	1.65
71.75- 73.25	9	14	0.59	0.93
70.25- 71.75	4	5	0.26	0.33
68.75- 70.25	1	1	0.07	0.07

*IN CENTIMETERS

CENTIMETERS		INCHES
87.48	MEAN VALUE	34.44
0.19	SE(MEAN)	0.07
7.26	SD DEVIATION	2.86
0.13	SE(SD DEV)	0.05

****

SYMMETRY---VETA I = 0.72
KURTOSIS---VETA II = 4.11
COEF. OF VARIATION = 8.3%

****

NUMBER OF SUBJECTS = 1513

****

THE PERCENTILES

CENTIMETERS		INCHES
109.26	99TH	43.02
105.45	98TH	41.52
103.26	97TH	40.65
100.53	95TH	39.58
96.82	90TH	38.12
94.58	85TH	37.24
92.95	80TH	36.59
91.60	75TH	36.06
90.46	70TH	35.61
89.44	65TH	35.21
88.50	60TH	34.84
87.62	55TH	34.50
86.77	50TH	34.16
85.93	45TH	33.83
85.11	40TH	33.51
84.27	35TH	33.18
83.40	30TH	32.84
82.48	25TH	32.47
81.47	20TH	32.07
80.32	15TH	31.62
78.92	10TH	31.07
76.92	5TH	30.28
75.70	3RD	29.80
74.85	2ND	29.47
73.62	1ST	28.98

130A HIP CIRCUMFERENCE - 7" BELOW WAIST LEVEL - SUBJECTS IN OFG SERIES

RANGES*	F	CUMF	FPCT	CUMPCT
116.25-117.25	1	1513	0.07	100.00
115.25-116.25	3	1512	0.20	99.93
114.25-115.25	1	1509	0.07	99.74
113.25-114.25	4	1508	0.26	99.67
112.25-113.25	3	1504	0.20	99.41
111.25-112.25	4	1501	0.26	99.21
110.25-111.25	1	1497	0.07	98.94
109.25-110.25	7	1496	0.46	98.88
108.25-109.25	5	1489	0.33	98.41
107.25-108.25	3	1484	0.20	98.08
106.25-107.25	8	1481	0.53	97.88
105.25-106.25	8	1473	0.53	97.36
104.25-105.25	11	1465	0.73	96.83
103.25-104.25	25	1454	1.65	96.10
102.25-103.25	26	1429	1.72	94.45
101.25-102.25	32	1403	2.12	92.73
100.25-101.25	43	1371	2.84	90.61
99.25-100.25	50	1328	3.30	87.77
98.25- 99.25	61	1278	4.03	84.47
97.25- 98.25	70	1217	4.63	80.44
96.25- 97.25	89	1147	5.88	75.81
95.25- 96.25	108	1058	7.14	69.93
94.25- 95.25	105	950	6.94	62.79
93.25- 94.25	113	845	7.47	55.85
92.25- 93.25	109	732	7.20	48.38
91.25- 92.25	128	623	8.46	41.18
90.25- 91.25	103	495	6.81	32.72
89.25- 90.25	96	392	6.35	25.91
88.25- 89.25	81	296	5.35	19.56
87.25- 88.25	75	215	4.96	14.21
86.25- 87.25	37	140	2.45	9.25
85.25- 86.25	36	103	2.38	6.81
84.25- 85.25	22	67	1.45	4.43
83.25- 84.25	16	45	1.06	2.97
82.25- 83.25	13	29	0.86	1.92
81.25- 82.25	8	16	0.53	1.06
80.25- 81.25	5	8	0.33	0.53
79.25- 80.25	1	3	0.07	0.20
78.25- 79.25	2	2	0.13	0.13

*IN CENTIMETERS

CENTIMETERS		INCHES
93.94	MEAN VALUE	36.99
0.14	SE(MEAN)	0.06
5.63	SD DEVIATION	2.22
0.10	SE(SD DEV)	0.04

****

SYMMETRY---VETA I = 0.62
KURTOSIS---VETA II = 4.02
COEF. OF VARIATION = 6.0%

****

NUMBER OF SUBJECTS = 1513

****

THE PERCENTILES

CENTIMETERS		INCHES
111.21	99TH	43.78
107.86	98TH	42.47
106.01	97TH	41.74
103.78	95TH	40.86
100.88	90TH	39.72
99.21	85TH	39.06
98.01	80TH	38.58
97.03	75TH	38.20
96.21	70TH	37.88
95.47	65TH	37.59
94.79	60TH	37.32
94.14	55TH	37.06
93.52	50TH	36.82
92.89	45TH	36.57
92.27	40TH	36.33
91.62	35TH	36.07
90.94	30TH	35.80
90.20	25TH	35.51
89.37	20TH	35.18
88.40	15TH	34.80
87.17	10TH	34.32
85.36	5TH	33.61
84.21	3RD	33.15
83.40	2ND	32.84
82.21	1ST	32.36

130B HIP CIRCUMFERENCE - 7" BELOW WAIST LEVEL, OVER FOUNDATION GARMENT

RANGES*	F	CUMF	FPCT	CUMPCT
118.25-119.25	1	1513	0.07	100.00
117.25-118.25	2	1512	0.13	99.93
116.25-117.25	1	1510	0.07	99.80
115.25-116.25	3	1509	0.20	99.74
114.25-115.25	2	1506	0.13	99.54
113.25-114.25	1	1504	0.07	99.41
112.25-113.25	1	1503	0.07	99.34
111.25-112.25	4	1502	0.26	99.27
110.25-111.25	3	1498	0.20	99.01
109.25-110.25	4	1495	0.26	98.81
108.25-109.25	4	1491	0.26	98.55
107.25-108.25	7	1487	0.46	98.28
106.25-107.25	5	1480	0.33	97.82
105.25-106.25	13	1475	0.86	97.49
104.25-105.25	15	1462	0.99	96.63
103.25-104.25	13	1447	0.86	95.64
102.25-103.25	24	1434	1.59	94.78
101.25-102.25	28	1410	1.85	93.19
100.25-101.25	35	1382	2.31	91.34
99.25-100.25	51	1347	3.37	89.03
98.25- 99.25	48	1296	3.17	85.66
97.25- 98.25	83	1248	5.49	82.49
96.25- 97.25	81	1165	5.35	77.00
95.25- 96.25	109	1084	7.20	71.65
94.25- 95.25	104	975	6.87	64.44
93.25- 94.25	120	871	7.93	57.57
92.25- 93.25	112	751	7.40	49.64
91.25- 92.25	117	639	7.73	42.23
90.25- 91.25	120	522	7.93	34.50
89.25- 90.25	93	402	6.15	26.57
88.25- 89.25	72	309	4.76	20.42
87.25- 88.25	72	237	4.76	15.66
86.25- 87.25	52	165	3.44	10.91
85.25- 86.25	45	113	2.97	7.47
84.25- 85.25	25	68	1.65	4.49
83.25- 84.25	18	43	1.19	2.84
82.25- 83.25	12	25	0.79	1.65
81.25- 82.25	6	13	0.40	0.86
80.25- 81.25	5	7	0.33	0.46
79.25- 80.25	0	2	0.00	0.13
78.25- 79.25	1	2	0.07	0.13
77.25- 78.25	1	1	0.07	0.07

*IN CENTIMETERS

CENTIMETERS		INCHES
93.71	MEAN VALUE	36.90
0.15	SE(MEAN)	0.06
5.65	SD DEVIATION	2.22
0.10	SE(SD DEV)	0.04

****

SYMMETRY---VETA I = 0.71
KURTOSIS---VETA II = 4.42
COEF. OF VARIATION = 6.0%

****

NUMBER OF SUBJECTS = 1513

****

THE PERCENTILES

CENTIMETERS		INCHES
111.09	99TH	43.74
107.69	98TH	42.40
105.82	97TH	41.66
103.57	95TH	40.78
100.66	90TH	39.63
98.98	85TH	38.97
97.78	80TH	38.50
96.81	75TH	38.11
95.98	70TH	37.79
95.24	65TH	37.50
94.56	60TH	37.23
93.92	55TH	36.98
93.29	50TH	36.73
92.67	45TH	36.48
92.04	40TH	36.24
91.40	35TH	35.98
90.72	30TH	35.72
89.98	25TH	35.43
89.16	20TH	35.10
88.21	15TH	34.73
87.01	10TH	34.26
85.29	5TH	33.58
84.25	3RD	33.17
83.53	2ND	32.88
82.52	1ST	32.49

131A HIP CIRCUMFERENCE - 9" BELOW WAIST LEVEL - SUBJECTS IN OFG SERIES

RANGES*	F	CUMF	FPCT	CUMPCT
119.25-120.25	1	1513	0.07	100.00
118.25-119.25	2	1512	0.13	99.93
117.25-118.25	2	1510	0.13	99.80
116.25-117.25	0	1508	0.00	99.67
115.25-116.25	0	1508	0.00	99.67
114.25-115.25	3	1508	0.20	99.67
113.25-114.25	6	1505	0.40	99.47
112.25-113.25	3	1499	0.20	99.07
111.25-112.25	5	1496	0.33	98.88
110.25-111.25	7	1491	0.46	98.55
109.25-110.25	7	1484	0.46	98.08
108.25-109.25	6	1477	0.40	97.62
107.25-108.25	11	1471	0.73	97.22
106.25-107.25	13	1460	0.86	96.50
105.25-106.25	21	1447	1.39	95.64
104.25-105.25	25	1426	1.65	94.25
103.25-104.25	31	1401	2.05	92.60
102.25-103.25	45	1370	2.97	90.55
101.25-102.25	45	1325	2.97	87.57
100.25-101.25	62	1280	4.10	84.60
99.25-100.25	87	1218	5.75	80.50
98.25- 99.25	82	1131	5.42	74.75
97.25- 98.25	92	1049	6.08	69.33
96.25- 97.25	105	957	6.94	63.25
95.25- 96.25	101	852	6.68	56.31
94.25- 95.25	104	751	6.87	49.64
93.25- 94.25	82	647	5.42	42.76
92.25- 93.25	116	565	7.67	37.34
91.25- 92.25	100	449	6.61	29.68
90.25- 91.25	73	349	4.82	23.07
89.25- 90.25	65	276	4.30	18.24
88.25- 89.25	54	211	3.57	13.95
87.25- 88.25	47	157	3.11	10.38
86.25- 87.25	39	110	2.58	7.27
85.25- 86.25	26	71	1.72	4.69
84.25- 85.25	14	45	0.93	2.97
83.25- 84.25	6	31	0.40	2.05
82.25- 83.25	12	25	0.79	1.65
81.25- 82.25	4	13	0.26	0.86
80.25- 81.25	6	9	0.40	0.59
79.25- 80.25	1	3	0.07	0.20
78.25- 79.25	0	2	0.00	0.13
77.25- 78.25	1	2	0.07	0.13
76.25- 77.25	1	1	0.07	0.07

*IN CENTIMETERS

CENTIMETERS		INCHES
95.59	MEAN VALUE	37.63
0.16	SE(MEAN)	0.06
6.04	SD DEVIATION	2.38
0.11	SE(SD DEV)	0.04

****

SYMMETRY---VETA I = 0.41
KURTOSIS---VETA II = 3.68
COEF. OF VARIATION = 6.3%

****

NUMBER OF SUBJECTS = 1513

****

THE PERCENTILES

CENTIMETERS		INCHES
112.85	99TH	44.43
109.83	98TH	43.24
108.12	97TH	42.57
106.01	95TH	41.74
103.15	90TH	40.61
101.43	85TH	39.93
100.17	80TH	39.44
99.13	75TH	39.03
98.23	70TH	38.67
97.42	65TH	38.35
96.67	60TH	38.06
95.96	55TH	37.78
95.26	50TH	37.50
94.56	45TH	37.23
93.87	40TH	36.96
93.15	35TH	36.67
92.39	30TH	36.38
91.57	25TH	36.05
90.66	20TH	35.69
89.59	15TH	35.27
88.24	10TH	34.74
86.24	5TH	33.95
84.97	3RD	33.45
84.05	2ND	33.09
82.65	1ST	32.54

131B HIP CIRCUMFERENCE - 9" BELOW WAIST LEVEL, OVER FOUNDATION GARMENT

RANGES*	F	CUMF	FPCT	CUMPCT
119.25-120.25	2	1513	0.13	100.00
118.25-119.25	0	1511	0.00	99.87
117.25-118.25	0	1511	0.00	99.87
116.25-117.25	2	1511	0.13	99.87
115.25-116.25	2	1509	0.13	99.74
114.25-115.25	4	1507	0.26	99.60
113.25-114.25	4	1503	0.26	99.34
112.25-113.25	0	1499	0.00	99.07
111.25-112.25	3	1499	0.20	99.07
110.25-111.25	7	1496	0.46	98.88
109.25-110.25	3	1489	0.20	98.41
108.25-109.25	5	1486	0.33	98.22
107.25-108.25	12	1481	0.79	97.88
106.25-107.25	9	1469	0.59	97.09
105.25-106.25	14	1460	0.93	96.50
104.25-105.25	28	1446	1.85	95.57
103.25-104.25	34	1418	2.25	93.72
102.25-103.25	31	1384	2.05	91.47
101.25-102.25	49	1353	3.24	89.42
100.25-101.25	53	1304	3.50	86.19
99.25-100.25	78	1251	5.16	82.68
98.25- 99.25	89	1173	5.88	77.53
97.25- 98.25	91	1084	6.01	71.65
96.25- 97.25	119	993	7.87	65.63
95.25- 96.25	110	874	7.27	57.77
94.25- 95.25	96	764	6.35	50.50
93.25- 94.25	92	668	6.08	44.15
92.25- 93.25	120	576	7.93	38.07
91.25- 92.25	95	456	6.28	30.14
90.25- 91.25	70	361	4.63	23.86
89.25- 90.25	75	291	4.96	19.23
88.25- 89.25	57	216	3.77	14.28
87.25- 88.25	50	159	3.30	10.51
86.25- 87.25	40	109	2.64	7.20
85.25- 86.25	23	69	1.52	4.56
84.25- 85.25	17	46	1.12	3.04
83.25- 84.25	5	29	0.33	1.92
82.25- 83.25	9	24	0.59	1.59
81.25- 82.25	7	15	0.46	0.99
80.25- 81.25	4	8	0.26	0.53
79.25- 80.25	1	4	0.07	0.26
78.25- 79.25	2	3	0.13	0.20
77.25- 78.25	1	1	0.07	0.07

*IN CENTIMETERS

CENTIMETERS		INCHES
95.30	MEAN VALUE	37.52
0.15	SE(MEAN)	0.06
5.83	SD DEVIATION	2.30
0.11	SE(SD DEV)	0.04

****

SYMMETRY---VETA I = 0.43
KURTOSIS---VETA II = 3.88
COEF. OF VARIATION = 6.1%

****

NUMBER OF SUBJECTS = 1513

****

THE PERCENTILES

CENTIMETERS		INCHES
111.64	99TH	43.95
108.78	98TH	42.83
107.17	97TH	42.19
105.18	95TH	41.41
102.50	90TH	40.35
100.89	85TH	39.72
99.70	80TH	39.25
98.72	75TH	38.87
97.87	70TH	38.53
97.11	65TH	38.23
96.40	60TH	37.95
95.72	55TH	37.69
95.05	50TH	37.42
94.39	45TH	37.16
93.72	40TH	36.90
93.02	35TH	36.62
92.29	30TH	36.34
91.49	25TH	36.02
90.59	20TH	35.67
89.55	15TH	35.25
88.21	10TH	34.73
86.23	5TH	33.95
84.95	3RD	33.44
84.03	2ND	33.08
82.63	1ST	32.53

132A WAIST BREADTH - SUBJECTS IN OFG SERIES

RANGES*	F	CUMF	FPCT	CUMPCT
32.25- 32.75	2	1513	0.13	100.00
31.75- 32.25	1	1511	0.07	99.87
31.25- 31.75	0	1510	0.00	99.80
30.75- 31.25	1	1510	0.07	99.80
30.25- 30.75	5	1509	0.33	99.74
29.75- 30.25	5	1504	0.33	99.41
29.25- 29.75	4	1499	0.26	99.07
28.75- 29.25	8	1495	0.53	98.81
28.25- 28.75	24	1487	1.59	98.28
27.75- 28.25	17	1463	1.12	96.70
27.25- 27.75	43	1446	2.84	95.57
26.75- 27.25	49	1403	3.24	92.73
26.25- 26.75	55	1354	3.64	89.49
25.75- 26.25	84	1299	5.55	85.86
25.25- 25.75	106	1215	7.01	80.30
24.75- 25.25	128	1109	8.46	73.30
24.25- 24.75	149	981	9.85	64.84
23.75- 24.25	171	832	11.30	54.99
23.25- 23.75	191	661	12.62	43.69
22.75- 23.25	143	470	9.45	31.06
22.25- 22.75	115	327	7.60	21.61
21.75- 22.25	73	212	4.82	14.01
21.25- 21.75	58	139	3.83	9.19
20.75- 21.25	52	81	3.44	5.35
20.25- 20.75	20	29	1.32	1.92
19.75- 20.25	7	9	0.46	0.59
19.25- 19.75	1	2	0.07	0.13
18.75- 19.25	1	1	0.07	0.07

*IN CENTIMETERS

CENTIMETERS		INCHES
24.22	MEAN VALUE	9.54
0.05	SE(MEAN)	0.02
1.93	SD DEVIATION	0.76
0.04	SE(SD DEV)	0.01

****

SYMMETRY---VETA I = 0.56
KURTOSIS---VETA II = 3.64
COEF. OF VARIATION = 8.0%

****

NUMBER OF SUBJECTS = 1513

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THE PERCENTILES

CENTIMETERS		INCHES
29.60	99TH	11.65
28.77	98TH	11.33
28.27	97TH	11.13
27.64	95TH	10.88
26.73	90TH	10.53
26.17	85TH	10.30
25.74	80TH	10.14
25.39	75TH	10.00
25.08	70TH	9.87
24.80	65TH	9.76
24.55	60TH	9.66
24.30	55TH	9.57
24.07	50TH	9.47
23.83	45TH	9.38
23.60	40TH	9.29
23.37	35TH	9.20
23.12	30TH	9.10
22.87	25TH	9.00
22.58	20TH	8.89
22.26	15TH	8.76
21.87	10TH	8.61
21.31	5TH	8.39
20.97	3RD	8.25
20.72	2ND	8.16
20.37	1ST	8.02

132B WAIST BREADTH, OVER FOUNDATION GARMENT

RANGES*	F	CUMF	FPCT	CUMPCT
30.75- 31.25	1	1513	0.07	100.00
30.25- 30.75	0	1512	0.00	99.93
29.75- 30.25	0	1512	0.00	99.93
29.25- 29.75	2	1512	0.13	99.93
28.75- 29.25	1	1510	0.07	99.80
28.25- 28.75	1	1509	0.07	99.74
27.75- 28.25	1	1508	0.07	99.67
27.25- 27.75	5	1507	0.33	99.60
26.75- 27.25	6	1502	0.40	99.27
26.25- 26.75	7	1496	0.46	98.88
25.75- 26.25	12	1489	0.79	98.41
25.25- 25.75	25	1477	1.65	97.62
24.75- 25.25	24	1452	1.59	95.97
24.25- 24.75	41	1428	2.71	94.38
23.75- 24.25	45	1387	2.97	91.67
23.25- 23.75	63	1342	4.16	88.70
22.75- 23.25	103	1279	6.81	84.53
22.25- 22.75	110	1176	7.27	77.73
21.75- 22.25	130	1066	8.59	70.46
21.25- 21.75	156	936	10.31	61.86
20.75- 21.25	157	780	10.38	51.55
20.25- 20.75	181	623	11.96	41.18
19.75- 20.25	141	442	9.32	29.21
19.25- 19.75	133	301	8.79	19.89
18.75- 19.25	82	168	5.42	11.10
18.25- 18.75	49	86	3.24	5.68
17.75- 18.25	31	37	2.05	2.45
17.25- 17.75	6	6	0.40	0.40

*IN CENTIMETERS

CENTIMETERS		INCHES
21.39	MEAN VALUE	8.42
0.05	SE(MEAN)	0.02
1.92	SD DEVIATION	0.75
0.03	SE(SD DEV)	0.01

****

SYMMETRY---VETA I = 0.73
KURTOSIS---VETA II = 3.85
COEF. OF VARIATION = 8.9%

****

NUMBER OF SUBJECTS = 1513

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THE PERCENTILES

CENTIMETERS		INCHES
26.88	99TH	10.58
26.05	98TH	10.26
25.55	97TH	10.06
24.90	95TH	9.80
23.95	90TH	9.43
23.36	85TH	9.20
22.91	80TH	9.02
22.54	75TH	8.87
22.22	70TH	8.75
21.93	65TH	8.63
21.67	60TH	8.53
21.42	55TH	8.43
21.18	50TH	8.34
20.95	45TH	8.25
20.72	40TH	8.16
20.49	35TH	8.07
20.26	30TH	7.98
20.02	25TH	7.88
19.76	20TH	7.78
19.47	15TH	7.66
19.12	10TH	7.53
18.64	5TH	7.34
18.36	3RD	7.23
18.16	2ND	7.15
17.88	1ST	7.04

133A HIP BREADTH - SUBJECTS IN OFG SERIES

RANGES*	F	CUMF	FPCT	CUMPCT
43.75- 44.25	2	1513	0.13	100.00
43.25- 43.75	0	1511	0.00	99.87
42.75- 43.25	3	1511	0.20	99.87
42.25- 42.75	1	1508	0.07	99.67
41.75- 42.25	1	1507	0.07	99.60
41.25- 41.75	2	1506	0.13	99.54
40.75- 41.25	9	1504	0.59	99.41
40.25- 40.75	12	1495	0.79	98.81
39.75- 40.25	15	1483	0.99	98.02
39.25- 39.75	20	1468	1.32	97.03
38.75- 39.25	27	1448	1.78	95.70
38.25- 38.75	40	1421	2.64	93.92
37.75- 38.25	38	1381	2.51	91.28
37.25- 37.75	63	1343	4.16	88.76
36.75- 37.25	79	1280	5.22	84.60
36.25- 36.75	90	1201	5.95	79.38
35.75- 36.25	127	1111	8.39	73.43
35.25- 35.75	135	984	8.92	65.04
34.75- 35.25	165	849	10.91	56.11
34.25- 34.75	131	684	8.66	45.21
33.75- 34.25	122	553	8.06	36.55
33.25- 33.75	108	431	7.14	28.49
32.75- 33.25	97	323	6.41	21.35
32.25- 32.75	85	226	5.62	14.94
31.75- 32.25	49	141	3.24	9.32
31.25- 31.75	44	92	2.91	6.08
30.75- 31.25	20	48	1.32	3.17
30.25- 30.75	13	28	0.86	1.85
29.75- 30.25	9	15	0.59	0.99
29.25- 29.75	3	6	0.20	0.40
28.75- 29.25	2	3	0.13	0.20
28.25- 28.75	1	1	0.07	0.07

*IN CENTIMETERS

CENTIMETERS		INCHES
35.07	MEAN VALUE	13.81
0.06	SE(MEAN)	0.02
2.25	SD DEVIATION	0.88
0.04	SE(SD DEV)	0.02

****

SYMMETRY---VETA I = 0.38
KURTOSIS---VETA II = 3.44
COEF. OF VARIATION = 6.4%

****

NUMBER OF SUBJECTS = 1513

****

THE PERCENTILES

CENTIMETERS		INCHES
41.00	99TH	16.14
40.18	98TH	15.82
39.67	97TH	15.62
38.99	95TH	15.35
38.00	90TH	14.96
37.36	85TH	14.71
36.87	80TH	14.51
36.46	75TH	14.35
36.10	70TH	14.21
35.78	65TH	14.09
35.48	60TH	13.97
35.19	55TH	13.86
34.92	50TH	13.75
34.65	45TH	13.64
34.38	40TH	13.53
34.10	35TH	13.43
33.82	30TH	13.31
33.52	25TH	13.20
33.18	20TH	13.06
32.80	15TH	12.91
32.32	10TH	12.73
31.62	5TH	12.45
31.15	3RD	12.27
30.81	2ND	12.13
30.24	1ST	11.91

133B HIP BREADTH, OVER FOUNDATION GARMENT

RANGES*	F	CUMF	FPCT	CUMPCT
42.25- 42.75	3	1513	0.20	100.00
41.75- 42.25	1	1510	0.07	99.80
41.25- 41.75	1	1509	0.07	99.74
40.75- 41.25	1	1508	0.07	99.67
40.25- 40.75	2	1507	0.13	99.60
39.75- 40.25	3	1505	0.20	99.47
39.25- 39.75	5	1502	0.33	99.27
38.75- 39.25	8	1497	0.53	98.94
38.25- 38.75	15	1489	0.99	98.41
37.75- 38.25	24	1474	1.59	97.42
37.25- 37.75	19	1450	1.26	95.84
36.75- 37.25	30	1431	1.98	94.58
36.25- 36.75	53	1401	3.50	92.60
35.75- 36.25	80	1348	5.29	89.09
35.25- 35.75	85	1268	5.62	83.81
34.75- 35.25	99	1183	6.54	78.19
34.25- 34.75	126	1084	8.33	71.65
33.75- 34.25	149	958	9.85	63.32
33.25- 33.75	155	809	10.24	53.47
32.75- 33.25	138	654	9.12	43.23
32.25- 32.75	118	516	7.80	34.10
31.75- 32.25	128	398	8.46	26.31
31.25- 31.75	96	270	6.35	17.85
30.75- 31.25	71	174	4.69	11.50
30.25- 30.75	40	103	2.64	6.81
29.75- 30.25	28	63	1.85	4.16
29.25- 29.75	17	35	1.12	2.31
28.75- 29.25	8	18	0.53	1.19
28.25- 28.75	6	10	0.40	0.66
27.75- 28.25	2	4	0.13	0.26
27.25- 27.75	2	2	0.13	0.13

*IN CENTIMETERS

CENTIMETERS		INCHES
33.67	MEAN VALUE	13.26
0.06	SE(MEAN)	0.02
2.14	SD DEVIATION	0.84
0.04	SE(SD DEV)	0.02

****

SYMMETRY---VETA I = 0.42
KURTOSIS---VETA II = 3.63
COEF. OF VARIATION = 6.4%

****

NUMBER OF SUBJECTS = 1513

****

THE PERCENTILES

CENTIMETERS		INCHES
39.36	99TH	15.49
38.55	98TH	15.18
38.05	97TH	14.98
37.41	95TH	14.73
36.46	90TH	14.35
35.85	85TH	14.12
35.39	80TH	13.93
35.01	75TH	13.78
34.67	70TH	13.65
34.37	65TH	13.53
34.08	60TH	13.42
33.82	55TH	13.31
33.56	50TH	13.21
33.30	45TH	13.11
33.04	40TH	13.01
32.78	35TH	12.91
32.51	30TH	12.80
32.22	25TH	12.69
31.90	20TH	12.56
31.53	15TH	12.41
31.07	10TH	12.23
30.39	5TH	11.96
29.94	3RD	11.79
29.61	2ND	11.66
29.07	1ST	11.45

134A WAIST DEPTH - SUBJECTS IN OFG SERIES

RANGES*	F	CUMF	FPCT	CUMPCT
25.25- 25.75	1	1513	0.07	100.00
24.75- 25.25	0	1512	0.00	99.93
24.25- 24.75	3	1512	0.20	99.93
23.75- 24.25	1	1509	0.07	99.74
23.25- 23.75	8	1508	0.53	99.67
22.75- 23.25	4	1500	0.26	99.14
22.25- 22.75	6	1496	0.40	98.88
21.75- 22.25	11	1490	0.73	98.48
21.25- 21.75	13	1479	0.86	97.75
20.75- 21.25	13	1466	0.86	96.89
20.25- 20.75	20	1453	1.32	96.03
19.75- 20.25	25	1433	1.65	94.71
19.25- 19.75	33	1408	2.18	93.06
18.75- 19.25	63	1375	4.16	90.88
18.25- 18.75	109	1312	7.20	86.72
17.75- 18.25	106	1203	7.01	79.51
17.25- 17.75	186	1097	12.29	72.50
16.75- 17.25	219	911	14.47	60.21
16.25- 16.75	205	692	13.55	45.74
15.75- 16.25	188	487	12.43	32.19
15.25- 15.75	151	299	9.98	19.76
14.75- 15.25	98	148	6.48	9.78
14.25- 14.75	38	50	2.51	3.30
13.75- 14.25	6	12	0.40	0.79
13.25- 13.75	5	6	0.33	0.40
12.75- 13.25	1	1	0.07	0.07

*IN CENTIMETERS

CENTIMETERS		INCHES
17.12	MEAN VALUE	6.74
0.04	SE(MEAN)	0.02
1.69	SD DEVIATION	0.67
0.03	SE(SD DEV)	0.01

****

SYMMETRY---VETA I = 1.17
KURTOSIS---VETA II = 5.35
COEF. OF VARIATION = 9.9%

****

NUMBER OF SUBJECTS = 1513

****

THE PERCENTILES

CENTIMETERS		INCHES
23.08	99TH	9.09
21.85	98TH	8.60
21.16	97TH	8.33
20.34	95TH	8.01
19.29	90TH	7.59
18.69	85TH	7.36
18.27	80TH	7.19
17.95	75TH	7.07
17.68	70TH	6.96
17.44	65TH	6.87
17.23	60TH	6.78
17.04	55TH	6.71
16.86	50TH	6.64
16.68	45TH	6.57
16.51	40TH	6.50
16.34	35TH	6.43
16.16	30TH	6.36
15.98	25TH	6.29
15.78	20TH	6.21
15.55	15TH	6.12
15.28	10TH	6.01
14.89	5TH	5.86
14.66	3RD	5.77
14.50	2ND	5.71
14.29	1ST	5.62

134B WAIST DEPTH, OVER FOUNDATION GARMENT

RANGES*	F	CUMF	FPCT	CUMPCT
24.25- 24.75	3	1513	0.20	100.00
23.75- 24.25	1	1510	0.07	99.80
23.25- 23.75	0	1509	0.00	99.74
22.75- 23.25	1	1509	0.07	99.74
22.25- 22.75	6	1508	0.40	99.67
21.75- 22.25	7	1502	0.46	99.27
21.25- 21.75	5	1495	0.33	98.81
20.75- 21.25	10	1490	0.66	98.48
20.25- 20.75	9	1480	0.59	97.82
19.75- 20.25	13	1471	0.86	97.22
19.25- 19.75	18	1458	1.19	96.36
18.75- 19.25	21	1440	1.39	95.18
18.25- 18.75	40	1419	2.64	93.79
17.75- 18.25	42	1379	2.78	91.14
17.25- 17.75	59	1337	3.90	88.37
16.75- 17.25	89	1278	5.88	84.47
16.25- 16.75	117	1189	7.73	78.59
15.75- 16.25	164	1072	10.84	70.85
15.25- 15.75	227	908	15.00	60.01
14.75- 15.25	193	681	12.76	45.01
14.25- 14.75	152	488	10.05	32.25
13.75- 14.25	151	336	9.98	22.21
13.25- 13.75	101	185	6.68	12.23
12.75- 13.25	54	84	3.57	5.55
12.25- 12.75	26	30	1.72	1.98
11.75- 12.25	3	4	0.20	0.26
11.25- 11.75	1	1	0.07	0.07

*IN CENTIMETERS

CENTIMETERS		INCHES
15.65	MEAN VALUE	6.16
0.05	SE(MEAN)	0.02
1.85	SD DEVIATION	0.73
0.03	SE(SD DEV)	0.01

****

SYMMETRY---VETA I = 1.18
KURTOSIS---VETA II = 5.35
COEF. OF VARIATION = 11.8%

****

NUMBER OF SUBJECTS = 1513

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THE PERCENTILES

CENTIMETERS		INCHES
22.07	99TH	8.69
20.77	98TH	8.18
20.05	97TH	7.89
19.17	95TH	7.55
18.03	90TH	7.10
17.38	85TH	6.84
16.93	80TH	6.66
16.57	75TH	6.52
16.27	70TH	6.41
16.01	65TH	6.30
15.78	60TH	6.21
15.57	55TH	6.13
15.37	50TH	6.05
15.17	45TH	5.97
14.98	40TH	5.90
14.79	35TH	5.82
14.60	30TH	5.75
14.40	25TH	5.67
14.18	20TH	5.58
13.93	15TH	5.48
13.62	10TH	5.36
13.19	5TH	5.19
12.92	3RD	5.09
12.73	2ND	5.01
12.45	1ST	4.90

135A ABDOMINAL EXTENSION DEPTH - SUBJECTS IN OFG SERIES

RANGES*	F	CUMF	FPCT	CUMPCT
30.25- 30.75	1	1513	0.07	100.00
29.75- 30.25	4	1512	0.26	99.93
29.25- 29.75	2	1508	0.13	99.67
28.75- 29.25	3	1506	0.20	99.54
28.25- 28.75	7	1503	0.46	99.34
27.75- 28.25	2	1496	0.13	98.88
27.25- 27.75	3	1494	0.20	98.74
26.75- 27.25	6	1491	0.40	98.55
26.25- 26.75	12	1485	0.79	98.15
25.75- 26.25	13	1473	0.86	97.36
25.25- 25.75	10	1460	0.66	96.50
24.75- 25.25	24	1450	1.59	95.84
24.25- 24.75	26	1426	1.72	94.25
23.75- 24.25	31	1400	2.05	92.53
23.25- 23.75	57	1369	3.77	90.48
22.75- 23.25	65	1312	4.30	86.72
22.25- 22.75	88	1247	5.82	82.42
21.75- 22.25	108	1159	7.14	76.60
21.25- 21.75	154	1051	10.18	69.46
20.75- 21.25	153	897	10.11	59.29
20.25- 20.75	165	744	10.91	49.17
19.75- 20.25	159	579	10.51	38.27
19.25- 19.75	139	420	9.19	27.76
18.75- 19.25	90	281	5.95	18.57
18.25- 18.75	100	191	6.61	12.62
17.75- 18.25	53	91	3.50	6.01
17.25- 17.75	21	38	1.39	2.51
16.75- 17.25	9	17	0.59	1.12
16.25- 16.75	5	8	0.33	0.53
15.75- 16.25	3	3	0.20	0.20

*IN CENTIMETERS

CENTIMETERS		INCHES
21.05	MEAN VALUE	8.29
0.06	SE(MEAN)	0.02
2.14	SD DEVIATION	0.84
0.04	SE(SD DEV)	0.02

****

SYMMETRY---VETA I = 0.97
KURTOSIS---VETA II = 4.80
COEF. OF VARIATION = 10.2%

****

NUMBER OF SUBJECTS = 1513

****

THE PERCENTILES

CENTIMETERS		INCHES
28.31	99TH	11.15
26.80	98TH	10.55
25.97	97TH	10.23
24.99	95TH	9.84
23.73	90TH	9.34
23.02	85TH	9.06
22.53	80TH	8.87
22.13	75TH	8.71
21.80	70TH	8.58
21.52	65TH	8.47
21.26	60TH	8.37
21.01	55TH	8.27
20.78	50TH	8.18
20.55	45TH	8.09
20.33	40TH	8.00
20.10	35TH	7.91
19.86	30TH	7.82
19.61	25TH	7.72
19.33	20TH	7.61
19.01	15TH	7.49
18.62	10TH	7.33
18.06	5TH	7.11
17.74	3RD	6.98
17.52	2ND	6.90
17.22	1ST	6.78

135B ABDOMINAL EXTENSION DEPTH, OVER FOUNDATION GARMENT

RANGES*	F	CUMF	FPCT	CUMPCT
29.75- 30.25	2	1513	0.13	100.00
29.25- 29.75	4	1511	0.26	99.87
28.75- 29.25	1	1507	0.07	99.60
28.25- 28.75	4	1506	0.26	99.54
27.75- 28.25	6	1502	0.40	99.27
27.25- 27.75	1	1496	0.07	98.88
26.75- 27.25	3	1495	0.20	98.81
26.25- 26.75	11	1492	0.73	98.61
25.75- 26.25	10	1481	0.66	97.88
25.25- 25.75	9	1471	0.59	97.22
24.75- 25.25	19	1462	1.26	96.63
24.25- 24.75	8	1443	0.53	95.37
23.75- 24.25	26	1435	1.72	94.84
23.25- 23.75	25	1409	1.65	93.13
22.75- 23.25	42	1384	2.78	91.47
22.25- 22.75	52	1342	3.44	88.70
21.75- 22.25	50	1290	3.30	85.26
21.25- 21.75	74	1240	4.89	81.96
20.75- 21.25	90	1166	5.95	77.07
20.25- 20.75	117	1076	7.73	71.12
19.75- 20.25	127	959	8.39	63.38
19.25- 19.75	142	832	9.39	54.99
18.75- 19.25	129	690	8.53	45.60
18.25- 18.75	140	561	9.25	37.08
17.75- 18.25	140	421	9.25	27.83
17.25- 17.75	87	281	5.75	18.57
16.75- 17.25	79	194	5.22	12.82
16.25- 16.75	60	115	3.97	7.60
15.75- 16.25	28	55	1.85	3.64
15.25- 15.75	16	27	1.06	1.78
14.75- 15.25	6	11	0.40	0.73
14.25- 14.75	3	5	0.20	0.33
13.75- 14.25	2	2	0.13	0.13

*IN CENTIMETERS

CENTIMETERS		INCHES
19.80	MEAN VALUE	7.79
0.06	SE(MEAN)	0.02
2.46	SD DEVIATION	0.97
0.04	SE(SD DEV)	0.02

****

SYMMETRY---VETA I = 0.96
KURTOSIS---VETA II = 4.49
COEF. OF VARIATION = 12.4%

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NUMBER OF SUBJECTS = 1513

****

THE PERCENTILES

CENTIMETERS		INCHES
27.90	99TH	10.99
26.37	98TH	10.38
25.50	97TH	10.04
24.43	95TH	9.62
23.00	90TH	9.06
22.17	85TH	8.73
21.58	80TH	8.49
21.10	75TH	8.31
20.70	70TH	8.15
20.35	65TH	8.01
20.03	60TH	7.89
19.74	55TH	7.77
19.46	50TH	7.66
19.19	45TH	7.55
18.92	40TH	7.45
18.66	35TH	7.35
18.39	30TH	7.24
18.10	25TH	7.13
17.80	20TH	7.01
17.45	15TH	6.87
17.02	10TH	6.70
16.42	5TH	6.46
16.05	3RD	6.32
15.79	2ND	6.22
15.40	1ST	6.06

136A BUTTOCK DEPTH - SUBJECTS IN OFG SERIES

RANGES*	F	CUMF	FPCT	CUMPCT
30.25- 30.75	1	1513	0.07	100.00
29.75- 30.25	0	1512	0.00	99.93
29.25- 29.75	0	1512	0.00	99.93
28.75- 29.25	0	1512	0.00	99.93
28.25- 28.75	1	1512	0.07	99.93
27.75- 28.25	2	1511	0.13	99.87
27.25- 27.75	3	1509	0.20	99.74
26.75- 27.25	4	1506	0.26	99.54
26.25- 26.75	5	1502	0.33	99.27
25.75- 26.25	12	1497	0.79	98.94
25.25- 25.75	13	1485	0.86	98.15
24.75- 25.25	18	1472	1.19	97.29
24.25- 24.75	34	1454	2.25	96.10
23.75- 24.25	35	1420	2.31	93.85
23.25- 23.75	69	1385	4.56	91.54
22.75- 23.25	74	1316	4.89	86.98
22.25- 22.75	131	1242	8.66	82.09
21.75- 22.25	160	1111	10.58	73.43
21.25- 21.75	150	951	9.91	62.86
20.75- 21.25	182	801	12.03	52.94
20.25- 20.75	178	619	11.76	40.91
19.75- 20.25	157	441	10.38	29.15
19.25- 19.75	109	284	7.20	18.77
18.75- 19.25	67	175	4.43	11.57
18.25- 18.75	55	108	3.64	7.14
17.75- 18.25	35	53	2.31	3.50
17.25- 17.75	12	18	0.79	1.19
16.75- 17.25	1	6	0.07	0.40
16.25- 16.75	5	5	0.33	0.33

*IN CENTIMETERS

CENTIMETERS		INCHES
21.29	MEAN VALUE	8.38
0.05	SE(MEAN)	0.02
1.81	SD DEVIATION	0.71
0.03	SE(SD DEV)	0.01

****

SYMMETRY---VETA I = 0.56
KURTOSIS---VETA II = 3.97
COEF. OF VARIATION = 8.5%

****

NUMBER OF SUBJECTS = 1513

****

THE PERCENTILES

CENTIMETERS		INCHES
26.42	99TH	10.40
25.58	98TH	10.07
25.09	97TH	9.88
24.47	95TH	9.63
23.61	90TH	9.30
23.08	85TH	9.09
22.69	80TH	8.93
22.36	75TH	8.80
22.08	70TH	8.69
21.82	65TH	8.59
21.59	60TH	8.50
21.36	55TH	8.41
21.15	50TH	8.33
20.93	45TH	8.24
20.72	40TH	8.16
20.50	35TH	8.07
20.27	30TH	7.98
20.03	25TH	7.88
19.76	20TH	7.78
19.45	15TH	7.66
19.07	10TH	7.51
18.52	5TH	7.29
18.18	3RD	7.16
17.94	2ND	7.06
17.58	1ST	6.92

136B BUTTOCK DEPTH, OVER FOUNDATION GARMENT

RANGES*	F	CUMF	FPCT	CUMPCT
30.25- 30.75	2	1513	0.13	100.00
29.75- 30.25	0	1511	0.00	99.87
29.25- 29.75	3	1511	0.20	99.87
28.75- 29.25	2	1508	0.13	99.67
28.25- 28.75	3	1506	0.20	99.54
27.75- 28.25	7	1503	0.46	99.34
27.25- 27.75	6	1496	0.40	98.88
26.75- 27.25	10	1490	0.66	98.48
26.25- 26.75	6	1480	0.40	97.82
25.75- 26.25	9	1474	0.59	97.42
25.25- 25.75	19	1465	1.26	96.83
24.75- 25.25	34	1446	2.25	95.57
24.25- 24.75	39	1412	2.58	93.32
23.75- 24.25	40	1373	2.64	90.75
23.25- 23.75	72	1333	4.76	88.10
22.75- 23.25	104	1261	6.87	83.34
22.25- 22.75	122	1157	8.06	76.47
21.75- 22.25	156	1035	10.31	68.41
21.25- 21.75	191	879	12.62	58.10
20.75- 21.25	156	688	10.31	45.47
20.25- 20.75	163	532	10.77	35.16
19.75- 20.25	131	369	8.66	24.39
19.25- 19.75	84	238	5.55	15.73
18.75- 19.25	72	154	4.76	10.18
18.25- 18.75	51	82	3.37	5.42
17.75- 18.25	20	31	1.32	2.05
17.25- 17.75	8	11	0.53	0.73
16.75- 17.25	2	3	0.13	0.20
16.25- 16.75	1	1	0.07	0.07

*IN CENTIMETERS

CENTIMETERS		INCHES
21.59	MEAN VALUE	8.50
0.05	SE(MEAN)	0.02
1.97	SD DEVIATION	0.78
0.04	SE(SD DEV)	0.01

****

SYMMETRY---VETA I = 0.82
KURTOSIS---VETA II = 4.46
COEF. OF VARIATION = 9.1%

****

NUMBER OF SUBJECTS = 1513

****

THE PERCENTILES

CENTIMETERS		INCHES
27.96	99TH	11.01
26.69	98TH	10.51
25.99	97TH	10.23
25.15	95TH	9.90
24.07	90TH	9.48
23.45	85TH	9.23
23.02	80TH	9.06
22.66	75TH	8.92
22.36	70TH	8.80
22.10	65TH	8.70
21.86	60TH	8.60
21.63	55TH	8.51
21.41	50TH	8.43
21.19	45TH	8.34
20.97	40TH	8.26
20.75	35TH	8.17
20.52	30TH	8.08
20.27	25TH	7.98
19.99	20TH	7.87
19.67	15TH	7.74
19.28	10TH	7.59
18.72	5TH	7.37
18.39	3RD	7.24
18.17	2ND	7.15
17.88	1ST	7.04

137A BUTTOCK CIRCUMFERENCE, SITTING - SUBJECTS IN OFG SERIES

RANGES*	F	CUMF	FPCT	CUMPCT
128.25-129.25	1	1513	0.07	100.00
127.25-128.25	0	1512	0.00	99.93
126.25-127.25	0	1512	0.00	99.93
125.25-126.25	1	1512	0.07	99.93
124.25-125.25	0	1511	0.00	99.87
123.25-124.25	2	1511	0.13	99.87
122.25-123.25	2	1509	0.13	99.74
121.25-122.25	2	1507	0.13	99.60
120.25-121.25	1	1505	0.07	99.47
119.25-120.25	5	1504	0.33	99.41
118.25-119.25	4	1499	0.26	99.07
117.25-118.25	7	1495	0.46	98.81
116.25-117.25	3	1488	0.20	98.35
115.25-116.25	4	1485	0.26	98.15
114.25-115.25	5	1481	0.33	97.88
113.25-114.25	4	1476	0.26	97.55
112.25-113.25	11	1472	0.73	97.29
111.25-112.25	23	1461	1.52	96.56
110.25-111.25	13	1438	0.86	95.04
109.25-110.25	19	1425	1.26	94.18
108.25-109.25	34	1406	2.25	92.93
107.25-108.25	41	1372	2.71	90.68
106.25-107.25	48	1331	3.17	87.97
105.25-106.25	54	1283	3.57	84.80
104.25-105.25	71	1229	4.69	81.23
103.25-104.25	82	1158	5.42	76.54
102.25-103.25	75	1076	4.96	71.12
101.25-102.25	88	1001	5.82	66.16
100.25-101.25	92	913	6.08	60.34
99.25-100.25	108	821	7.14	54.26
98.25- 99.25	127	713	8.39	47.12
97.25- 98.25	95	586	6.28	38.73
96.25- 97.25	104	491	6.87	32.45
95.25- 96.25	93	387	6.15	25.58
94.25- 95.25	73	294	4.82	19.43
93.25- 94.25	50	221	3.30	14.61
92.25- 93.25	52	171	3.44	11.30
91.25- 92.25	39	119	2.58	7.87
90.25- 91.25	27	80	1.78	5.29
89.25- 90.25	23	53	1.52	3.50
88.25- 89.25	15	30	0.99	1.98
87.25- 88.25	6	15	0.40	0.99
86.25- 87.25	5	9	0.33	0.59
85.25- 86.25	4	4	0.26	0.26

*IN CENTIMETERS

CENTIMETERS		INCHES
100.31	MEAN VALUE	39.49
0.16	SE(MEAN)	0.06
6.13	SD DEVIATION	2.41
0.11	SE(SD DEV)	0.04

****

SYMMETRY---VETA I = 0.65
KURTOSIS---VETA II = 4.03
COEF. OF VARIATION = 6.1%

****

NUMBER OF SUBJECTS = 1513

****

THE PERCENTILES

CENTIMETERS		INCHES
118.88	99TH	46.80
115.41	98TH	45.44
113.47	97TH	44.67
111.12	95TH	43.75
108.01	90TH	42.53
106.19	85TH	41.81
104.87	80TH	41.29
103.79	75TH	40.86
102.86	70TH	40.50
102.03	65TH	40.17
101.26	60TH	39.87
100.54	55TH	39.58
99.83	50TH	39.30
99.13	45TH	39.03
98.42	40TH	38.75
97.70	35TH	38.46
96.94	30TH	38.17
96.13	25TH	37.84
95.22	20TH	37.49
94.18	15TH	37.08
92.89	10TH	36.57
91.07	5TH	35.86
89.99	3RD	35.43
89.25	2ND	35.14
88.26	1ST	34.75

137B BUTTOCK CIRCUMFERENCE, SITTING, OVER FOUNDATION GARMENT

RANGES*	F	CUMF	FPCT	CUMPCT
128.25-129.25	1	1513	0.07	100.00
127.25-128.25	1	1512	0.07	99.93
126.25-127.25	1	1511	0.07	99.87
125.25-126.25	1	1510	0.07	99.80
124.25-125.25	0	1509	0.00	99.74
123.25-124.25	1	1509	0.07	99.74
122.25-123.25	2	1508	0.13	99.67
121.25-122.25	1	1506	0.07	99.54
120.25-121.25	2	1505	0.13	99.47
119.25-120.25	1	1503	0.07	99.34
118.25-119.25	3	1502	0.20	99.27
117.25-118.25	6	1499	0.40	99.07
116.25-117.25	1	1493	0.07	98.68
115.25-116.25	4	1492	0.26	98.61
114.25-115.25	7	1488	0.46	98.35
113.25-114.25	5	1481	0.33	97.88
112.25-113.25	7	1476	0.46	97.55
111.25-112.25	14	1469	0.93	97.09
110.25-111.25	18	1455	1.19	96.17
109.25-110.25	21	1437	1.39	94.98
108.25-109.25	22	1416	1.45	93.59
107.25-108.25	41	1394	2.71	92.13
106.25-107.25	29	1353	1.92	89.42
105.25-106.25	53	1324	3.50	87.51
104.25-105.25	62	1271	4.10	84.01
103.25-104.25	59	1209	3.90	79.91
102.25-103.25	77	1150	5.09	76.01
101.25-102.25	83	1073	5.49	70.92
100.25-101.25	95	990	6.28	65.43
99.25-100.25	129	895	8.53	59.15
98.25- 99.25	121	766	8.00	50.63
97.25- 98.25	95	645	6.28	42.63
96.25- 97.25	91	550	6.01	36.35
95.25- 96.25	98	459	6.48	30.34
94.25- 95.25	82	361	5.42	23.86
93.25- 94.25	78	279	5.16	18.44
92.25- 93.25	54	201	3.57	13.28
91.25- 92.25	58	147	3.83	9.72
90.25- 91.25	28	89	1.85	5.88
89.25- 90.25	21	61	1.39	4.03
88.25- 89.25	16	40	1.06	2.64
87.25- 88.25	8	24	0.53	1.59
86.25- 87.25	11	16	0.73	1.06
85.25- 86.25	3	5	0.20	0.33
84.25- 85.25	1	2	0.07	0.13
83.25- 84.25	1	1	0.07	0.07

*IN CENTIMETERS

CENTIMETERS		INCHES
99.62	MEAN VALUE	39.22
0.16	SE(MEAN)	0.06
6.10	SD DEVIATION	2.40
0.11	SE(SD DEV)	0.04

****

SYMMETRY---VETA I = 0.73
KURTOSIS---VETA II = 4.41
COEF. OF VARIATION = 6.1%

****

NUMBER OF SUBJECTS = 1513

****

THE PERCENTILES

CENTIMETERS		INCHES
117.83	99TH	46.39
114.51	98TH	45.08
112.63	97TH	44.34
110.33	95TH	43.44
107.25	90TH	42.22
105.42	85TH	41.50
104.10	80TH	40.98
103.01	75TH	40.56
102.09	70TH	40.19
101.27	65TH	39.87
100.51	60TH	39.57
99.80	55TH	39.29
99.10	50TH	39.02
98.42	45TH	38.75
97.74	40TH	38.48
97.04	35TH	38.21
96.31	30TH	37.92
95.53	25TH	37.61
94.66	20TH	37.27
93.65	15TH	36.87
92.39	10TH	36.37
90.55	5TH	35.65
89.39	3RD	35.19
88.57	2ND	34.87
87.33	1ST	34.38

138A THIGH-TO-THIGH BREADTH, SITTING - SUBJECTS IN OFG SERIES

RANGES*	F	CUMF	FPCT	CUMPCT
49.75- 50.25	1	1513	0.07	100.00
49.25- 49.75	0	1512	0.00	99.93
48.75- 49.25	1	1512	0.07	99.93
48.25- 48.75	1	1511	0.07	99.87
47.75- 48.25	2	1510	0.13	99.80
47.25- 47.75	2	1508	0.13	99.67
46.75- 47.25	2	1506	0.13	99.54
46.25- 46.75	4	1504	0.26	99.41
45.75- 46.25	6	1500	0.40	99.14
45.25- 45.75	10	1494	0.66	98.74
44.75- 45.25	9	1484	0.59	98.08
44.25- 44.75	11	1475	0.73	97.49
43.75- 44.25	15	1464	0.99	96.76
43.25- 43.75	20	1449	1.32	95.77
42.75- 43.25	23	1429	1.52	94.45
42.25- 42.75	30	1406	1.98	92.93
41.75- 42.25	37	1376	2.45	90.95
41.25- 41.75	50	1339	3.30	88.50
40.75- 41.25	62	1289	4.10	85.19
40.25- 40.75	82	1227	5.42	81.10
39.75- 40.25	86	1145	5.68	75.68
39.25- 39.75	89	1059	5.88	69.99
38.75- 39.25	82	970	5.42	64.11
38.25- 38.75	102	888	6.74	58.69
37.75- 38.25	105	786	6.94	51.95
37.25- 37.75	114	681	7.53	45.01
36.75- 37.25	97	567	6.41	37.48
36.25- 36.75	100	470	6.61	31.06
35.75- 36.25	75	370	4.96	24.45
35.25- 35.75	79	295	5.22	19.50
34.75- 35.25	69	216	4.56	14.28
34.25- 34.75	58	147	3.83	9.72
33.75- 34.25	30	89	1.98	5.88
33.25- 33.75	23	59	1.52	3.90
32.75- 33.25	12	36	0.79	2.38
32.25- 32.75	10	24	0.66	1.59
31.75- 32.25	5	14	0.33	0.93
31.25- 31.75	7	9	0.46	0.59
30.75- 31.25	2	2	0.13	0.13

*IN CENTIMETERS

CENTIMETERS		INCHES
38.34	MEAN VALUE	15.09
0.07	SE(MEAN)	0.03
2.89	SD DEVIATION	1.14
0.05	SE(SD DEV)	0.02

****

SYMMETRY---VETA I = 0.44
KURTOSIS---VETA II = 3.32
COEF. OF VARIATION = 7.5%

****

NUMBER OF SUBJECTS = 1513

****

THE PERCENTILES

CENTIMETERS		INCHES
46.14	99TH	18.17
45.05	98TH	17.74
44.38	97TH	17.47
43.49	95TH	17.12
42.17	90TH	16.60
41.32	85TH	16.27
40.68	80TH	16.02
40.14	75TH	15.80
39.66	70TH	15.62
39.24	65TH	15.45
38.84	60TH	15.29
38.47	55TH	15.15
38.11	50TH	15.00
37.76	45TH	14.86
37.41	40TH	14.73
37.05	35TH	14.59
36.69	30TH	14.44
36.30	25TH	14.29
35.87	20TH	14.12
35.39	15TH	13.93
34.80	10TH	13.70
33.95	5TH	13.36
33.40	3RD	13.15
33.00	2ND	12.99
32.36	1ST	12.74

138B THIGH-TO-THIGH BREADTH, SITTING, OVER FOUNDATION GARMENT

RANGES*	F	CUMF	FPCT	CUMPCT
48.25- 48.75	1	1513	0.07	100.00
47.75- 48.25	0	1512	0.00	99.93
47.25- 47.75	0	1512	0.00	99.93
46.75- 47.25	3	1512	0.20	99.93
46.25- 46.75	0	1509	0.00	99.74
45.75- 46.25	3	1509	0.20	99.74
45.25- 45.75	3	1506	0.20	99.54
44.75- 45.25	2	1503	0.13	99.34
44.25- 44.75	5	1501	0.33	99.21
43.75- 44.25	6	1496	0.40	98.88
43.25- 43.75	9	1490	0.59	98.48
42.75- 43.25	19	1481	1.26	97.88
42.25- 42.75	10	1462	0.66	96.63
41.75- 42.25	14	1452	0.93	95.97
41.25- 41.75	29	1438	1.92	95.04
40.75- 41.25	32	1409	2.12	93.13
40.25- 40.75	49	1377	3.24	91.01
39.75- 40.25	61	1328	4.03	87.77
39.25- 39.75	71	1267	4.69	83.74
38.75- 39.25	101	1196	6.68	79.05
38.25- 38.75	89	1095	5.88	72.37
37.75- 38.25	102	1006	6.74	66.49
37.25- 37.75	109	904	7.20	59.75
36.75- 37.25	124	795	8.20	52.54
36.25- 36.75	112	671	7.40	44.35
35.75- 36.25	119	559	7.87	36.95
35.25- 35.75	99	440	6.54	29.08
34.75- 35.25	87	341	5.75	22.54
34.25- 34.75	70	254	4.63	16.79
33.75- 34.25	64	184	4.23	12.16
33.25- 33.75	45	120	2.97	7.93
32.75- 33.25	25	75	1.65	4.96
32.25- 32.75	17	50	1.12	3.30
31.75- 32.25	18	33	1.19	2.18
31.25- 31.75	10	15	0.66	0.99
30.75- 31.25	2	5	0.13	0.33
30.25- 30.75	2	3	0.13	0.20
29.75- 30.25	0	1	0.00	0.07
29.25- 29.75	0	1	0.00	0.07
28.75- 29.25	1	1	0.07	0.07

*IN CENTIMETERS

CENTIMETERS		INCHES
37.25	MEAN VALUE	14.66
0.07	SE(MEAN)	0.03
2.65	SD DEVIATION	1.04
0.05	SE(SD DEV)	0.02

****

SYMMETRY---VETA I = 0.43
KURTOSIS---VETA II = 3.54
COEF. OF VARIATION = 7.1%

****

NUMBER OF SUBJECTS = 1513

****

THE PERCENTILES

CENTIMETERS		INCHES
44.48	99TH	17.51
43.36	98TH	17.07
42.70	97TH	16.81
41.86	95TH	16.48
40.67	90TH	16.01
39.93	85TH	15.72
39.36	80TH	15.50
38.89	75TH	15.31
38.48	70TH	15.15
38.11	65TH	15.00
37.77	60TH	14.87
37.44	55TH	14.74
37.11	50TH	14.61
36.79	45TH	14.49
36.47	40TH	14.36
36.15	35TH	14.23
35.81	30TH	14.10
35.44	25TH	13.95
35.03	20TH	13.79
34.57	15TH	13.61
33.99	10TH	13.38
33.16	5TH	13.05
32.64	3RD	12.85
32.27	2ND	12.70
31.71	1ST	12.48

139 HEIGHT AS REPORTED BY SUBJECTS

INCHES		CENTIMETERS
64.81	MEAN VALUE	164.60
0.06	SE(MEAN)	0.14
2.43	SD DEVIATION	6.18
0.04	SE(SD DEV)	0.10

****

SYMMETRY---VETA I = 0.16
KURTOSIS---VETA II = 2.67
COEF. OF VARIATION = 3.8%

****

NUMBER OF SUBJECTS = 1903

****

THE PERCENTILES

INCHES		CENTIMETERS
70.43	99TH	178.90
69.89	98TH	177.52
69.52	97TH	176.58
69.00	95TH	175.25
68.14	90TH	173.08
67.53	85TH	171.53
67.04	80TH	170.28
66.61	75TH	169.18
66.22	70TH	168.19
65.85	65TH	167.26
65.50	60TH	166.38
65.17	55TH	165.52
64.83	50TH	164.68
64.50	45TH	163.83
64.17	40TH	162.98
63.82	35TH	162.11
63.47	30TH	161.21
63.09	25TH	160.24
62.67	20TH	159.18
62.20	15TH	157.99
61.64	10TH	156.56
60.87	5TH	154.62
60.43	3RD	153.50
60.14	2ND	152.76
59.74	1ST	151.75

140 WEIGHT AS REPORTED BY SUBJECTS

POUNDS		KILOGRAMS
125.40	MEAN VALUE	56.88
0.36	SE(MEAN)	0.16
15.83	SD DEVIATION	7.18
0.26	SE(SD DEV)	0.12

****

SYMMETRY---VETA I = 0.66
KURTOSIS---VETA II = 4.00
COEF. OF VARIATION = 12.6%

****

NUMBER OF SUBJECTS = 1903

****

THE PERCENTILES

POUNDS		KILOGRAMS
170.50	99TH	77.34
162.86	98TH	73.87
158.45	97TH	71.87
152.93	95TH	69.37
145.34	90TH	65.92
140.70	85TH	63.82
137.26	80TH	62.26
134.41	75TH	60.97
131.96	70TH	59.85
129.75	65TH	58.85
127.70	60TH	57.92
125.76	55TH	57.04
123.87	50TH	56.19
122.01	45TH	55.34
120.16	40TH	54.50
118.27	35TH	53.65
116.31	30TH	52.76
114.22	25TH	51.81
111.91	20TH	50.76
109.31	15TH	49.58
106.11	10TH	48.13
101.64	5TH	46.10
98.98	3RD	44.90
97.17	2ND	44.07
94.63	1ST	42.93

PART B

CORRELATION STATISTICS

SECTION IX

INTRODUCTION

The human body is a complex of many interrelated segments, and the solution of the multiplicity of problems which involve the physical dimensions of the body almost always require a knowledge of the degree and nature of the interrelations between and among these segments. Not only is such knowledge usually necessary for the detailed solution of a particular problem, but often it is necessary as a basis for exploring possible approaches to a solution. For these and a variety of related reasons, we have gathered—here and in Part C—information dealing with the interrelationships of the anthropometric measures which have been reported on—one by one—in Part A of this report.

Two broad approaches to the analysis and reporting of these interrelationships have long coexisted: that of the summary statistics, the formulas, and the regression equations, and that of the bivariate frequency tables. Both approaches have their merits and their strong adherents, and we have provided to a degree both types of material. The material in this section of the report falls into the former category; Part C is devoted to the presentation of bivariate (plus one trivariate) tables.

The contents of Part B include:

1. Correlation coefficients for all variables measured on the entire sample are given in section X, along with selected correlation coefficients for the over-foundation-garment subseries. Frequency distributions of the correlation coefficients by variable, by groups of related variables, and for the entire set of variables are also presented in this section.

2. Regression equations relating each pair of variables with at least a moderately large intercorrelation are described and listed in section XI.

3. Section XII provides two sets of multiple regression equations and the corresponding multiple correlation coefficients.

4. Section XIII lists four sets of partial correlation coefficients: those with weight, those with stature, those with weight and stature, and those with weight, stature, and age partialed out.

5. Section XIV includes several tables which list the regression estimates for all other variables for women of selected values of weight, of stature, and of weight-stature combinations.

The materials included in this section were selected as being those with greatest probable utility. We do present them, however, with little confidence that they will be the most useful in every design or interpretation problem that may arise.

There is a tacit assumption throughout this part of the report that, for all practical purposes, the relationships among the variables are linear and that, in general, the distribution of the totality of our variables is multi-normal. We present no evidence on this point in this report. Previous studies and ones currently in progress suggest that in most situations and for most of the variables reported on here that this assumption is a reasonable one. It is not a completely reasonable assumption as far as the four skinfold measurements are concerned. It is, perhaps, a borderline assumption as far as weight goes.

The importance of the material in this part of the report is such that most of the concepts involved in this material are well known to the active users of anthropometric data. We have, therefore, omitted detailed and extensive descriptions of the concepts which underlie the material in each of these tables. A brief description, of course, precedes each table; a sometimes heuristic, sometimes sternly mathematical résumé of these concepts appears in appendix III. Four numerical tables are included there: one for determining the coefficient of

alienation from the correlation coefficient, one for establishing confidence limits for the correlation coefficients, one for converting certain regression equation parameters from centimeters to inches, and one for estimating two-predictor multiple correlation coefficients.

Regression equations and related materials are given primarily in terms of metric values. Where it can be done conveniently, English values are also given or methods of converting from metric to English units are described.

In several of the tables, the variables are referred to by somewhat abbreviated names or by number alone. The variable numbers are always the numbers used in the Visual Index. For convenience in locating material for specific variables in these tables, a listing of the abbreviated names in alphabetic order with their Visual Index numbers appears in table XXII.

In abbreviating the variable names to fit the format of the several tables in which the short names are used, a number of compromises were made. Left and right are usually indicated by the letters L and R alone; there seems to be little opportunity for confusion between L meaning left and L meaning length. OFG means 'over foundation garment'; the dash'-' frequently substitutes for the word 'to'; 'BLW WAIST' and 'BLW W' both stand for 'below waist level'; the word 'curvature' for which there seemed to be no happy abbreviation belongs in the names of variables 82 and 83 (interscye curvature and interscye curvature, maximum) and variable 112 (bitragion-coronal curvature) as does length in the names of variable 122 (subnasale-sellion length). SKINFD is used for skinfold, EXT for extension, LAT'L for lateral. The other abbreviations—considered in context—should be reasonably clear; if any are not, the Visual Index number makes it possible to find the complete name in the Visual Index.

Since many formulas involving the correlation coefficients also involve the means and standard deviations, these two statistics as computed for the entire sample and for the over-foundation-garment sample are also listed in table XXII.

TABLE XXII

ALPHABETIC INDEX OF VARIABLES
WITH THEIR VISUAL INDEX NUMBERS, MEANS, AND STANDARD DEVIATIONS

FULL SERIES				.....VARIABLE.....		'OFG' SERIES		
MEAN	SD	MEAN*	SD*	NUMBER NAME	MEAN	SD	MEAN*	SD*
85.64	7.28	33.72	2.87	42-ABDOMINAL EXT CIRC	86.17	7.35	33.93	2.89
				129-ABDOM EXT CIRC,OFG	87.48	7.26	34.44	2.86
20.89	2.12	8.22	0.83	76-ABDOMINAL EXT DPTH	21.05	2.14	8.29	0.84
				135-ABDOM EXT DPTH,OFG	19.80	2.46	7.79	0.97
93.15	4.42	36.67	1.74	14-ABDOMINAL EXT H'GT	93.05	4.32	36.63	1.70
				127-ABDOM EXT HGT, OFG	92.84	4.31	36.55	1.70
131.86	5.48	51.91	2.16	10-ACROMIAL HEIGHT	131.78	5.34	51.88	2.10
31.01	1.63	12.21	0.64	31-ACROMION-RADIALE L	30.98	1.60	12.20	0.63
		22.93	6.45	1-AGE	22.73	6.47		
21.09	1.29	8.30	0.51	49-ANKLE CIRCUMFERNCE	21.17	1.27	8.33	0.50
11.19	1.35	4.40	0.53	20-ANKLE HEIGHT	11.20	1.36	4.41	0.54
33.58	1.96	13.22	0.77	86-ANTERIOR WAIST LTH	33.62	1.96	13.24	0.77
27.44	2.34	10.80	0.92	54-AXILLARY ARM CIRC	27.59	2.34	10.86	0.92
42.15	3.05	16.59	1.20	84-BACK CURVATURE	42.28	3.07	16.65	1.21
35.84	1.64	14.11	0.65	63-BIACROMIAL BREADTH	35.87	1.63	14.12	0.64
15.83	0.95	6.23	0.37	114-BIAURICULAR BR'DTH	15.84	0.95	6.24	0.37
26.54	2.38	10.45	0.94	58-BICEPS C,FLEXED, L	26.68	2.41	10.50	0.95
26.79	2.32	10.55	0.91	56-BICEPS C,FLEXED, R	26.92	2.33	10.60	0.92
25.66	2.41	10.10	0.95	57-BICEPS C,RELAXED,L	25.82	2.43	10.16	0.96
25.61	2.29	10.08	0.90	55-BICEPS C,RELAXED,R	25.74	2.31	10.14	0.91
41.87	2.31	16.49	0.91	64-BIDELTOID BREADTH	41.98	2.30	16.53	0.91
10.19	0.56	4.01	0.22	117-BIGONIAL BREADTH	10.19	0.56	4.01	0.22
9.67	0.49	3.81	0.19	113-BIOCULAR BREADTH	9.66	0.50	3.80	0.20
12.89	0.50	5.07	0.20	115-BITRAGION BREADTH	12.90	0.49	5.08	0.19
33.92	1.40	13.36	0.55	112-BITRAGION-CORONAL	33.94	1.40	13.36	0.55
12.90	0.58	5.08	0.23	116-BIZYGOMATIC BR'DTH	12.91	0.57	5.08	0.23
89.73	5.70	35.33	2.24	39-BUST CIRCUMFERENCE	89.94	5.76	35.41	2.27
18.53	1.55	7.30	0.61	66-BUSTPT-BUSTPT BRTH	18.57	1.54	7.31	0.61
118.32	5.21	46.58	2.05	12-BUSTPOINT HEIGHT	118.25	5.09	46.55	2.00
100.00	6.09	39.37	2.40	52-BUTTOCK CIRC, SIT	100.31	6.13	39.49	2.41
				137-BUTTOCK C, SIT,OFG	99.62	6.10	39.22	2.40
21.15	1.79	8.33	0.70	77-BUTTOCK DEPTH	21.29	1.81	8.38	0.71
				136-BUTTOCK DEPTH, OFG	21.59	1.97	8.50	0.78
82.21	4.16	32.37	1.64	16-BUTTOCK HEIGHT	82.19	4.03	32.36	1.59
57.43	2.63	22.61	1.04	30-BUTTOCK-KNEE LNGTH	57.45	2.58	22.62	1.02

*VALUES IN ENGLISH UNITS

TABLE XXII

ALPHABETIC INDEX OF VARIABLES
WITH THEIR VISUAL INDEX NUMBERS, MEANS, AND STANDARD DEVIATIONS

FULL SERIES				.....VARIABLE.....		'OFG' SERIES		
MEAN	SD	MEAN*	SD*	NUMBER NAME	MEAN	SD	MEAN*	SD*
47.71	2.76	18.78	1.09	29-BUTTOCK-POPLIT'L L	47.68	2.67	18.77	1.05
34.23	2.28	13.48	0.90	48-CALF CIRCUM, LEFT	34.38	2.25	13.54	0.89
34.14	2.25	13.44	0.88	47-CALF CIRCUM, RIGHT	34.29	2.22	13.50	0.87
139.20	5.52	54.80	2.17	9-CERVICALE HEIGHT	139.10	5.36	54.76	2.11
27.99	1.91	11.02	0.75	65-CHEST BREADTH	28.07	1.92	11.05	0.76
84.25	4.96	33.17	1.95	38-CHEST CIRC AT SCYE	84.44	5.01	33.25	1.97
74.33	4.87	29.26	1.92	40-CHEST C BELOW BUST	74.53	4.91	29.34	1.93
23.64	1.93	9.31	0.76	74-CHEST DEPTH	23.72	1.95	9.34	0.77
74.50	4.03	29.33	1.59	19-CROTCH HEIGHT	74.44	3.94	29.31	1.55
2.98	0.33	1.17	0.13	124-EAR BREADTH	2.98	0.33	1.17	0.13
5.24	0.44	2.06	0.17	123-EAR LENGTH	5.24	0.45	2.06	0.18
11.76	0.92	4.63	0.36	100-ECTOCANTHUS-TOP HD	11.77	0.92	4.63	0.36
16.37	0.97	6.44	0.38	106-ECTOCANTHUS-WALL	16.36	0.97	6.44	0.38
26.98	1.78	10.62	0.70	59-ELBOW CIRC, FLEXED	27.03	1.79	10.64	0.70
22.71	2.46	8.94	0.97	27-ELBOW REST HEIGHT	22.73	2.45	8.95	0.96
73.70	3.06	29.02	1.20	24-EYE HEIGHT,SITTING	73.72	2.99	29.02	1.18
8.14	0.44	3.20	0.17	73-FEMORAL BREADTH, L	8.16	0.44	3.21	0.17
8.12	0.45	3.20	0.18	72-FEMORAL BREADTH, R	8.13	0.45	3.20	0.18
8.87	0.50	3.49	0.20	95-FOOT BREADTH	8.88	0.49	3.50	0.19
24.07	1.13	9.48	0.44	94-FOOT LENGTH	24.06	1.11	9.47	0.44
24.98	1.52	9.83	0.60	61-FOREARM C, FLEXED	25.06	1.51	9.86	0.59
23.48	1.38	9.24	0.54	60-FOREARM C, RELAXED	23.55	1.37	9.27	0.54
72.70	3.96	28.62	1.56	17-GLUTEAL FURROW HGT	72.58	3.84	28.57	1.51
2.99	0.57	1.18	0.22	125-GRIP STRENGTH	2.99	0.57	1.18	0.22
7.55	0.39	2.97	0.15	92-HAND BREADTH	7.55	0.39	2.97	0.15
18.32	0.91	7.21	0.36	93-HAND CIRCUMFERENCE	18.34	0.90	7.22	0.36
18.38	0.96	7.24	0.38	91-HAND LENGTH	18.37	0.94	7.23	0.37
14.52	0.59	5.71	0.23	97-HEAD BREADTH	14.53	0.59	5.72	0.23
54.87	1.62	21.60	0.64	98-HEAD CIRCUMFERENCE	54.87	1.60	21.60	0.63
18.41	0.68	7.25	0.27	96-HEAD LENGTH	18.40	0.67	7.24	0.26
34.97	2.22	13.77	0.87	68-HIP BREADTH	35.07	2.25	13.81	0.88
				133-HIP BREADTH, OFG	33.67	2.14	13.26	0.84
95.27	6.02	37.51	2.37	44-HIP C-9" BLW WAIST	95.59	6.04	37.63	2.38
				131-HIP C-9" BLW W,OFG	95.30	5.83	37.52	2.30
93.64	5.59	36.86	2.20	43-HIP C-7" BLW WAIST	93.94	5.63	36.99	2.22

*VALUES IN ENGLISH UNITS

TABLE XXII

ALPHABETIC INDEX OF VARIABLES
WITH THEIR VISUAL INDEX NUMBERS, MEANS, AND STANDARD DEVIATIONS

FULL SERIES				.....VARIABLE.....		'OFG' SERIES		
MEAN	SD	MEAN*	SD*	NUMBER NAME	MEAN	SD	MEAN*	SD*
				130-HIP C-7" BLW W,OFG	93.71	5.65	36.90	2.22
6.10	0.30	2.40	0.12	71-HUMERAL BREADTH, L	6.10	0.30	2.40	0.12
6.13	0.31	2.41	0.12	70-HUMERAL BREADTH, R	6.14	0.30	2.42	0.12
35.06	2.44	13.80	0.96	82-INTERSCYE	35.12	2.44	13.83	0.96
49.39	3.29	19.44	1.29	83-INTERSCYE, MAXIMUM	49.49	3.27	19.48	1.29
36.30	2.27	14.29	0.89	46-KNEE CIRCUMFERENCE	36.45	2.24	14.35	0.88
6.77	0.59	2.67	0.23	21-LAT'L MALLEOLUS HT	6.77	0.59	2.67	0.23
4.38	0.42	1.72	0.17	119-LIP LENGTH	4.37	0.41	1.72	0.16
19.30	1.06	7.60	0.42	109-LIP PROTRUS'N-WALL	19.29	1.05	7.59	0.41
1.59	0.52	0.63	0.20	6-MEDIAL CALF SKINFD	1.63	0.51	0.64	0.20
10.63	0.61	4.18	0.24	121-MENTON-SELLION LTH	10.63	0.61	4.18	0.24
5.54	0.51	2.18	0.20	120-MENTON-SUBNASALE L	5.54	0.50	2.18	0.20
21.91	1.14	8.62	0.45	104-MENTON TO TOP HEAD	21.92	1.13	8.63	0.4
18.23	1.14	7.18	0.45	110-MENTON TO WALL	18.22	1.12	7.17	0.44
58.00	2.66	22.83	1.05	25-MIDSHOULDER HT,SIT	57.99	2.62	22.83	1.03
3.19	0.33	1.26	0.13	118-NASAL BREADTH	3.19	0.32	1.26	0.13
33.75	1.68	13.29	0.66	36-NECK CIRCUMFERENCE	33.81	1.66	13.31	0.65
25.49	1.89	10.04	0.74	80-NECK TO BUSTPOINT	25.53	1.87	10.05	0.73
199.23	8.56	78.44	3.37	35-OVERHEAD REACH	199.14	8.40	78.40	3.31
41.05	1.86	16.16	0.73	28-POPLITEAL HEIGHT	41.00	1.84	16.14	0.72
14.76	1.17	5.81	0.46	101-PRONASALE-TOP HEAD	14.76	1.17	5.81	0.46
21.19	0.96	8.34	0.38	107-PRONASALE TO WALL	21.17	0.95	8.33	0.38
23.39	1.37	9.21	0.54	32-RADIALE-STYLION L	23.37	1.32	9.20	0.52
34.79	1.49	13.70	0.59	111-SAGITTAL CURVATURE	34.80	1.49	13.70	0.59
37.10	2.29	14.61	0.90	53-SCYE CIRCUMFERENCE	37.21	2.28	14.65	0.90
100.41	5.14	39.53	2.02	37-SHOULDER CIRCUMFER	100.62	5.13	39.61	2.02
14.66	1.02	5.77	0.40	79-SHOULDER LENGTH	14.67	1.00	5.77	0.40
85.60	3.17	33.70	1.25	23-SITTING HEIGHT	85.60	3.10	33.70	1.22
84.28	3.25	33.18	1.28	22-SITTING HT,RELAXED	84.26	3.17	33.18	1.25
44.13	2.42	17.37	0.95	87-SLEEVE INSEAM	44.07	2.39	17.35	0.94
53.32	2.41	20.99	0.95	89-SPINE-TO-ELBOW LTH	53.31	2.39	20.99	0.94
20.37	1.36	8.02	0.53	88-SPINE-TO-SCYE LGTH	20.36	1.38	8.02	0.54
79.58	3.32	31.33	1.31	90-SPINE-TO-WRIST LTH	79.56	3.26	31.32	1.28
162.10	6.00	63.82	2.36	7-STATURE	161.99	5.82	63.78	2.29
162.75	6.02	64.07	2.37	8-STATURE, MAXIMUM	162.64	5.83	64.03	2.29

*VALUES IN ENGLISH UNITS

TABLE XXII

ALPHABETIC INDEX OF VARIABLES
WITH THEIR VISUAL INDEX NUMBERS, MEANS, AND STANDARD DEVIATIONS

FULL SERIES				.....VARIABLE.....		'OFG' SERIES			
MEAN	SD	MEAN*	SD*	NUMBER NAME	MEAN	SD	MEAN*	SD*
164.61	6.18	64.81	2.43	139-STATURE REPORTED	164.50	6.00	64.76	2.36
17.83	1.12	7.02	0.44	103-STOMION-TOP HEAD	17.84	1.11	7.02	0.44
65.22	3.92	25.68	1.54	81-STRAP LENGTH	65.30	3.90	25.71	1.53
4.55	0.41	1.79	0.16	122-SUBNASALE-SELLION	4.54	0.41	1.79	0.16
15.91	1.10	6.26	0.43	102-SUBNASALE-TOP HEAD	15.92	1.09	6.27	0.43
19.66	0.98	7.74	0.39	108-SUBNASALE TO WALL	19.65	0.98	7.74	0.39
1.29	0.48	0.51	0.19	4-SUBSCAPULAR SKINFD	1.31	0.49	0.52	0.19
1.97	0.70	0.78	0.28	5-SUPRAILIAC SKINFLD	2.01	0.69	0.79	0.27
132.00	5.30	51.97	2.09	11-SUPRASTERNALE HGHT	131.93	5.15	51.94	2.03
12.44	1.25	4.90	0.49	78-THIGH CLEARANCE	12.48	1.23	4.91	0.48
38.19	2.86	15.04	1.13	69-THIGH-THIGH BR,SIT	38.34	2.89	15.09	1.14
				138-THI-THI BR,SIT,OFG	37.25	2.65	14.66	1.04
74.13	3.88	29.19	1.53	33-THUMB-TIP REACH	74.13	3.86	29.19	1.52
83.83	4.88	33.01	1.92	34-THUMB-TIP,EXTENDED	83.83	4.80	33.00	1.89
41.98	2.38	16.53	0.94	18-TIBIALE HEIGHT	41.94	2.34	16.51	0.92
12.73	0.76	5.01	0.30	99-TRAGION-TOP HEAD	12.74	0.76	5.02	0.30
10.17	0.90	4.00	0.35	105-TRAGION TO WALL	10.18	0.91	4.01	0.36
1.90	0.54	0.75	0.21	3-TRICEPS SKINFOLD	1.94	0.54	0.76	0.21
82.67	4.27	32.55	1.68	15-TROCHANTERIC H'GHT	82.59	4.17	32.52	1.64
55.48	4.22	21.84	1.66	45-UPPER THIGH CIRCUM	55.70	4.22	21.93	1.66
154.43	6.87	60.80	2.70	50-VERTICAL TRUNK CIR	154.67	6.85	60.89	2.70
150.07	6.56	59.08	2.58	51-VERT TRUNK CIR,SIT	150.27	6.52	59.16	2.57
40.51	2.22	15.95	0.87	85-WAIST BACK	40.51	2.18	15.95	0.86
24.13	1.94	9.50	0.76	67-WAIST BREADTH	24.22	1.93	9.54	0.76
				132-WAIST BREADTH, OFG	21.39	1.92	8.42	0.75
67.20	5.48	26.46	2.16	41-WAIST CIRCUMFERNCE	67.51	5.50	26.58	2.17
				128-WAIST CIRCUM, OFG	66.23	5.28	26.08	2.08
17.01	1.67	6.70	0.66	75-WAIST DEPTH	17.12	1.69	6.74	0.67
				134-WAIST DEPTH, OFG	15.65	1.85	6.16	0.73
100.28	4.50	39.48	1.77	13-WAIST HEIGHT	100.18	4.38	39.44	1.72
100.80	4.40	39.68	1.73	126-WAIST HEIGHT, OFG	100.80	4.40	39.68	1.73
23.37	1.73	9.20	0.68	26-WAIST HGHT,SITTING	23.37	1.73	9.20	0.68
57.73	7.52	127.28	16.59	2-WEIGHT	58.13	7.49	128.16	16.52
56.88	7.18	125.40	15.83	140-WEIGHT AS REPORTED	57.17	7.17	126.05	15.82
14.96	0.71	5.89	0.28	62-WRIST CIRCUMFERNCE	14.99	0.71	5.90	0.28

*VALUES IN ENGLISH UNITS

SECTION X

CORRELATION COEFFICIENTS

The most common measure of the degree of interrelationship is the *Pearsonian product-moment correlation coefficient,* almost always referred to simply as the correlation coefficient and equally often designated by the letter r.

In this section we have included two groups of correlation coefficients. The first consists of the coefficients for the almost exactly eight thousand pairings of age, the 124 anthropometric variables measured on the full sample, and height and weight as reported by the subjects. The second group consists of a selection of the correlation coefficients computed from the data for the over-foundation-garment subseries.

A brief summary of the distribution of the 7,626 correlations based on age and the full-sample body-size measurements is given in table XXIII. Similar summaries are also given in this table for the correlation coefficients of the individual variables and for several groupings of the variables. The matrix of the coefficients for the full sample appears in table XXIV; the set of coefficients based on the over-foundation-garment series makes up table XXV.

Pearson's correlation coefficient derives from the related concept of the regression line or regression equation. Since there is, for example, a relationship between stature and weight among the women in our sample, we can set up an equation of the form:

$$Y^1 = a + bX$$

for providing an estimate of a woman's weight (Y^1) in terms of her height (X); the constants a and b being selected so that the estimated weights are—in some sense—as accurate as possible.

When the two variables are closely related, the estimated values given by the regression equation will be quite accurate. When, on the other hand, the degree of relationship is small, the resulting estimates will provide little more accuracy than we would obtain by setting each person's estimate equal to the average value. The accuracy of these regression estimates provides a basis for defining the correlation coefficient. When the estimates are completely accurate, the correlation coefficient is defined as equal to 1.00 (or - 1.00). When the regression equation provides no help, the correlation coefficient equals 0. Between these limits, the greater the relative accuracy, the higher the correlation coefficient in numeric value and vice-versa.

If large values of one variable tend to accompany large values of a second one, the correlation coefficient is a positive number. When the reverse is true and large values of one variable are associated with small values of the second, the correlation coefficient carries a negative sign. The sign of the correlation coefficient indicates only the direction of the relationship and has no bearing on its degree. In general (see figure 4), the correlation coefficients for our data tend to be either positive or rather minor in size.

Logically, there are two correlation coefficients for each pair of variables: that defined in terms of the regression equation for estimating Y from X and a second defined in terms of estimating X from Y. Fortunately, these two coefficients are equal to each other and need not be distinguished. This will not be true of the correlation coefficients associated with multiple or non-linear regression lines.

In addition to its primary function of providing an evaluation of the degree or intensity of the relationship between two variables, the correlation coefficient plays an important role in a variety of multi-variable problems. Along with the means and standard deviations, the correlation coefficients provide all the information necessary to compute regression equations of the type discussed here, to compute similar equations (multiple regression equations)

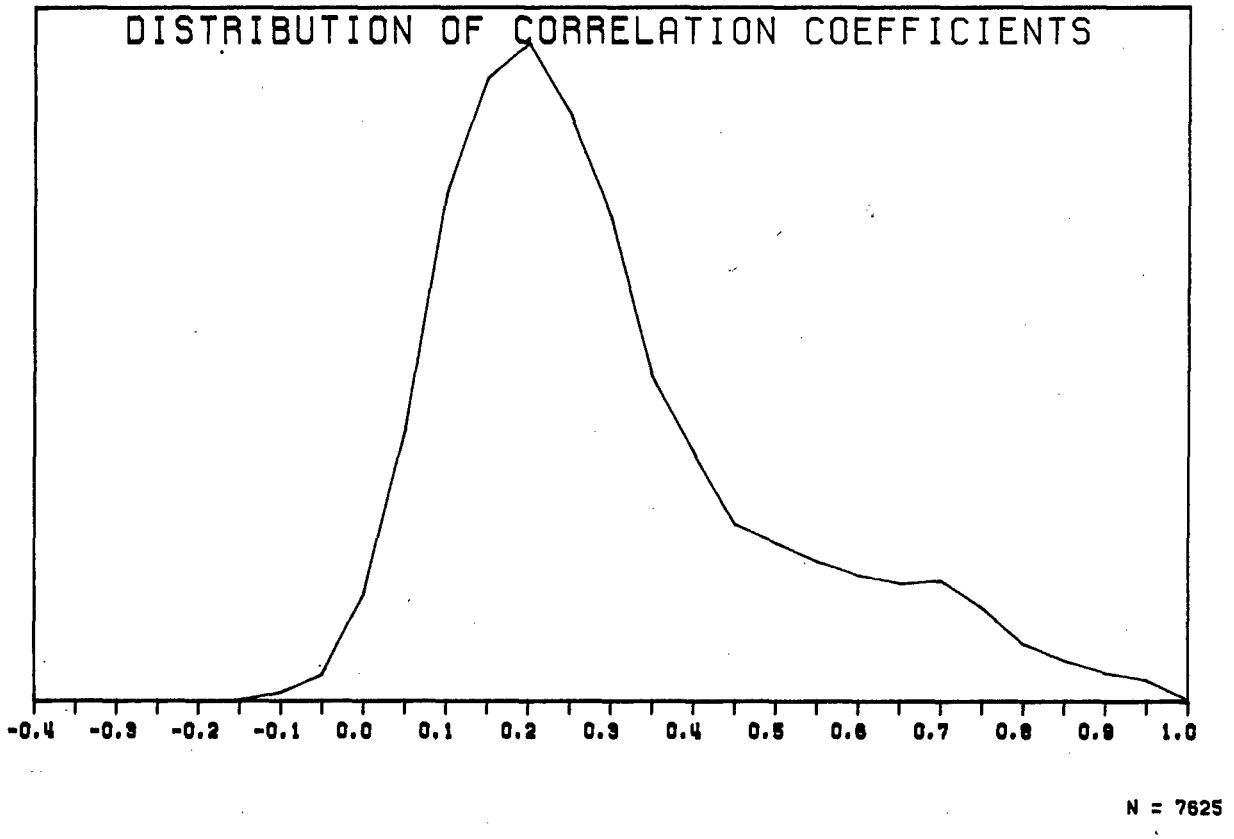

Figure 4. Distribution of Correlation Coefficients

based on two or many more 'predictor' variables, to compute the (multiple) correlation coefficient associated with such equations, and to compute such statistics as the standard deviation of sums, differences, and other linear combinations of the variables.

Paragraph 1 of appendix III attempts to provide some intuitive basis for judging the proper interpretation of a correlation coefficient of a particular value. In paragraph 2, the regression equation is derived and, on the basis of this result, the correlation coefficient is defined in paragraph 3. The question of standard errors and confidence limits for the correlation coefficients are discussed in paragraph 6, and a table for computing confidence limits (table XLVI) is presented there.

Frequency distributions of the correlation coefficients for individual variables and groups of variables provide a basis for some insights into the patterns of interrelationships among the anthropometric variables which are included in this study.

Figure 4 consists of a graph of the frequency distribution of 7,626 correlation coefficients computed for the first 124 variables in the visual index listing, that is, for age and the body size variables for which data were available from the entire sample of 1905 women. The first line of data in table XXIII lists the minimum value, the 1st, 5th, 10th, 25th, 50th, 75th, 90th, 95th, and 99th percentiles and the maximum value of this group of statistics.

These correlation coefficients range in value from -0.208 for the correlation between elbow rest height and sleeve inseam to 0.998 for the correlation of stature with stature, maximum. As is to be expected with correlations based on a sample of almost two thousand subjects, all but a few of the coefficients, considered singly, would be judged statistically significant. Using -0.050 to $+0.050$ as the non-significant range, 35 or about half of one percent are negative and significantly different from zero, 417 or a shade over 5% are not significantly different from zero, and the remaining 7,174 are positive and significant. A considerably smaller number of these coefficients are large enough to indicate a relationship of practical significance for almost any design problem. Half of the coefficients are about 0.24 or less. Since the standard error of estimate associated with a correlation coefficient less than $\sqrt{0.10} = 0.316$ will exceed 95% of the standard deviation, the value 0.316 may be considered as the minimum useful value. Almost 5,000 of these correlations are less in absolute value than 0.316. Many of these low correlations, however, are between pairs of variables which will usually not be considered together in design problems; more than half of the correlations less than 0.316, for example, are based on combinations consisting of a head or face measurement and a measurement made on some other part of the body.

For a slightly more detailed analysis of these data, we have grouped the 124 variables into nine categories as follows:

1. Age - variable 1.
2. Weight - variable 2.
3. Skinfold measurements - variables 3 - 6.
4. Heights, reaches, long bone measurements (excluding lateral malleolus height, including waist back, anterior waist length, sleeve inseam, spine to elbow, and spine to wrist) - variables 7 - 20, 22 - 35, 85 - 87, 89 - 90.
5. Torso breadths and depths - variables 63 - 69, 74 - 77.
6. Torso circumferences and horizontal surface measures (including neck circumference) - variables 36 - 44, 50 - 52, 79 - 84, 88.
7. Limb breadths and circumferences - variables 45 - 49, 53 - 62, 70 - 73, 78.
8. Hand and foot measurements (including lateral malleolus height) - variables 21, 91 - 95.
9. Head and face measurements - variables 96 - 124.

Because a number of these groups of correlation coefficients contain relatively few data, the values presented in parts II and III of table XXIII have been limited according to the size of the groups on the following basis: Only those percentiles corresponding to points at least five cases from the ends of the distribution have been included. Thus, 1st and 99th percentiles are listed only for groups of 500 coefficients or more, 5th and 95th percentiles for those of 100 or more, 10th and 90th percentiles for those of 50 or more, and 25th and 75th percentiles for those of 20 or more. Since, by this rule, even the 50th percentile will be omitted for groups of fewer than 10 values, distributions involving only nine or fewer coefficients have been omitted. Minimum and maximum values have also been omitted for groups of fewer than 100 cases. These particular rules for excluding percentiles based on small samples are quite arbitrary, but appear to be consistent with reasonable statistical practice.

Part II of table XXIII provides statistics on the distribution of the correlation coefficients involving the variables in each of these groups.

Part III of this table provides similar percentiles for the cross-group distributions. The entry labelled '1 & 4' at the left is based on all correlations involving the combination of a variable in group 1 and a variable in group 4. The line labelled '4 & 4' is, similarly, based on the combinations involving variables both of which fall in the height-reach-long bone group.

Part IV of table XXIII summarizes for each variable its 123 correlation coefficients. For each variable are listed the two smallest and the two largest of these correlations plus seven percentile values. At the right end of each line are the Visual Index numbers of the variables having the lowest and the highest correlations with the variable in question.

The percentiles in table XXIII were determined simply by arranging the relevant values in order and counting, rather than by the procedure used in preparing the tables in Part A. Thus, for example, the 10th percentile for the individual variables was determined as the thirteenth (i.e., the smallest integer larger than $123 \div 10 = 12.3$) value counting from the bottom of the distribution.

Correlation coefficients for age, the 123 body-size measurements measured on the full sample, grip strength, and reported height and weight* are listed in table XXIV. All coefficients are listed twice, once below and once above the diagonal, for easy location. Decimal points have been omitted when the coefficient is negative, the minus sign immediately preceding the tenths digit.

*Two subjects did not report their heights; two others, their weights. For the correlational analyses, the subjects' measured statures and weights, adjusted on the basis of differences listed for women of similar height, weight, and age in table XVII, are substituted for the missing values.

TABLE XXIII

DISTRIBUTION OF CORRELATION COEFFICIENTS BY VARIABLES, GROUPS OF VARIABLES, AND ENTIRE GROUP

I. Total Series Summary

					Percentiles							
	MIN	*1*	*5*	*10*	*25*	*50*	*75*	*90*	*95*	*99*	*MAX*	*N*
	–.21	–.02	.05	.08	.15	.24	.39	.62	.73	.88	1.00	7626

II. Major Groups Summaries

Group					Percentiles							
	MIN	*1*	*5*	*10*	*25*	*50*	*75*	*90*	*95*	*99*	*MAX*	*N*
1. Age	–.08		–.02	.00	.05	.12	.19	.28	.29		.33	123
2. Weight	.08		.17	.22	.31	.50	.74	.80	.82		.90	123
3. Skinfolds	–.10	–.07	–.02	.00	.04	.12	.36	.56	.61	.68	.72	486
4. Heights	–.21	–.05	–.04	.09	.16	.25	.36	.58	.72	.90	1.00	3531
5. Breadths	–.08	.04	.08	.12	.19	.29	.49	.66	.72	.84	.89	1298
6. Circumferences	–.10	.03	.08	.11	.19	.30	.47	.65	.73	.84	.94	2166
7. Limb C's & B's	–.06	.03	.08	.12	.19	.31	.45	.64	.72	.81	.98	2270
8. Hand & Foot	–.07	.00	.06	.10	.18	.26	.35	.46	.57	.68	.74	723
9. Head & Face	–.14	–.02	.03	.06	.11	.16	.23	.28	.31	.62	.95	3161

III. Cross Group Summaries

Groups					Percentiles							
	MIN	*1*	*5*	*10*	*25*	*50*	*75*	*90*	*95*	*99*	*MAX*	*N*
1 & 4					.00	.05	.08					33
1 & 5						.23						11
1 & 6						.23						19
1 & 7						.15						20
1 & 9					.07	.09	.14					29
2 & 4					.41	.46	.53					33
2 & 5						.77						11
2 & 6						.79						19
2 & 7						.78						20
2 & 9					.19	.26	.30					29
3 & 4	–.08		–.03	–.01	.02	.05	.10	.18	.22		.29	132
3 & 5					.36	.47	.57					44
3 & 6				.16	.26	.37	.54	.61				76
3 & 7				.20	.28	.41	.54	.63				80
3 & 8					.04	.05	.08					24
3 & 9	–.10		–.03	–.02	.01	.05	.10	.16	.21		.27	116
4 & 4	–.21	–.09	.16	.25	.39	.63	.75	.87	.91	.97	1.00	528
4 & 5	–.08		.08	.13	.18	.24	.31	.38	.42		0.59	363
4 & 6	–.10	.06	.11	.15	.20	.27	.35	.44	.53	.70	0.82	627
4 & 7	–.06	.01	.08	.11	.18	.29	.35	.42	.45	.49	0.59	660
4 & 8	0.01		.16	.21	.29	.34	.46	.60	.66		0.70	198
4 & 9	–.13	–.05	.03	.07	.12	.17	.22	.27	.29	.33	0.36	957
5 & 5				.31	.50	.59	.67	.71				55
5 & 6	0.09		.26	.33	.44	.56	.69	.76	.83		0.89	209
5 & 7	0.25		.29	.31	.37	.50	.64	.70	.72		0.84	220
5 & 8				.11	.19	.23	.30	.35				66
5 & 9	–.02		.05	.07	.11	.17	.22	.26	.29		0.35	319
6 & 6	0.07		.21	.29	.44	.54	.66	.79	.83		0.94	171
6 & 7	0.11		.23	.29	.37	.48	.62	.73	.76		0.89	380
6 & 8	0.08		.12	.13	.19	.26	.32	.36	.40		0.49	114
6 & 9	–.03	.00	.04	.07	.10	.16	.22	.27	.30	.33	0.37	531
7 & 7	0.33		.37	.39	.43	.54	.69	.80	.92		0.98	190
7 & 8	0.07		.11	.17	.23	.32	.39	.49	.55		0.71	120
7 & 9	0.00	.03	.06	.08	.12	.17	.23	.26	.29	.32	0.36	580
8 & 8						.47						15
8 & 9	–.04		.05	.08	.13	.19	.23	.28	.31		0.40	174
9 & 9	–.14		.01	.04	.10	.16	.30	.53	.78		0.95	406

TABLE XXIII

DISTRIBUTION OF CORRELATION COEFFICIENTS
BY VARIABLES, GROUPS OF RELATED VARIABLES, AND ENTIRE GROUP
IV - SUMMARIES BY VARIABLE

		MINIMUM		PERCENTILES							MAXIMUM		***	
		1ST	2RD	5	10	25	50	75	90	95	2RD	1ST		
1	AGE	-08	-07	-02	.00	.05	.12	.19	.28	.29	.31	.33	(87,	81)
2	WEIGHT	.08	.10	.17	.22	.31	.50	.74	.80	.82	.89	.90	(119,	52)
3	TRICEPS SKINFOLD	-06	-05	.01	.02	.06	.15	.49	.60	.61	.71	.72	(87,	55)
4	SUBSCAPULAR SKINFD	-08	-04	-02	.00	.04	.14	.43	.61	.63	.66	.68	(87,	54)
5	SUPRAILIAC SKINFLD	-03	-03	-01	.03	.08	.16	.44	.57	.59	.64	.66	(87,	4)
6	MEDIAL CALF SKINFD	-10	-07	-03	-01	.01	.07	.25	.38	.42	.45	.51	(118,	3)
7	STATURE	.01	.02	.10	.14	.23	.32	.60	.80	.90	.98	.00	(4,	8)
8	STATURE, MAXIMUM	.01	.02	.10	.14	.23	.32	.60	.80	.90	.98	.00	(4,	7)
9	CERVICALE HEIGHT	.03	.03	.10	.15	.21	.32	.61	.81	.91	.98	.98	(6,	8)
10	ACROMIAL HEIGHT	.04	.04	.10	.16	.23	.32	.59	.80	.90	.96	.97	(6,	11)
11	SUPRASTERNALE HGHT	.03	.04	.11	.16	.22	.32	.61	.81	.92	.97	.97	(6,	8)
12	BUSTPOINT HEIGHT	-02	-02	.05	.10	.17	.27	.54	.79	.89	.93	.94	(1,	11)
13	WAIST HEIGHT	.01	.03	.09	.14	.21	.29	.50	.83	.91	.93	.95	(6,	14)
14	ABDOMINAL EXT HGT	-04	-02	.06	.09	.18	.25	.43	.83	.90	.92	.95	(4,	13)
15	TROCHANTERIC HGHT	-05	.01	.08	.11	.19	.26	.46	.80	.87	.90	.90	(27,	19)
16	BUTTOCK HEIGHT	-04	-03	.10	.12	.19	.26	.44	.81	.87	.89	.91	(27,	19)
17	GLUTEAL FURROW HGT	-09	-05	.03	.07	.15	.21	.37	.77	.84	.88	.89	(27,	16)
18	TIBIALE HEIGHT	-04	-01	.07	.10	.17	.24	.41	.74	.81	.84	.84	(27,	19)
19	CROTCH HEIGHT	-09	-06	.07	.10	.18	.24	.42	.81	.88	.91	.92	(27,	14)
20	ANKLE HEIGHT	-07	-03	-01	.03	.07	.12	.19	.31	.31	.38	.44	(6,	18)
21	LAT'L MALLEOLUS HT	-04	-01	.04	.05	.09	.14	.26	.36	.41	.42	.43	(118,	7)
22	SITTING HT,RELAXED	-08	.00	.07	.12	.18	.29	.40	.60	.73	.90	.97	(118,	23)
23	SITTING HEIGHT	-07	-01	.08	.13	.20	.31	.43	.62	.75	.93	.97	(118,	22)
24	EYE HEIGHT,SITTING	-09	.01	.07	.11	.16	.29	.40	.57	.70	.90	.93	(118,	23)
25	MIDSHOULDER HT,SIT	-07	-02	.10	.13	.21	.30	.41	.63	.72	.85	.88	(118,	23)
26	WAIST HGHT,SITTING	-07	-02	.07	.09	.14	.23	.28	.39	.43	.56	.57	(118,	24)
27	ELBOW REST HEIGHT	-21	-13	-10	-07	.00	.07	.12	.20	.43	.56	.65	(87,	25)
28	POPLITEAL HEIGHT	-07	-05	.05	.09	.14	.21	.36	.73	.75	.78	.79	(1,	19)
29	BUTTOCK-POPLIT'L L	-13	.09	.12	.17	.23	.31	.45	.65	.69	.72	.87	(27,	30)
30	BUTTOCK-KNEE LNGTH	-07	.06	.14	.19	.28	.40	.56	.74	.79	.81	.87	(27,	29)
31	ACROMION-RADIALE L	-13	.00	.10	.11	.18	.27	.41	.72	.74	.76	.77	(27,	90)
32	RADIALE-STYLION L	-12	-05	.06	.10	.17	.23	.36	.67	.69	.73	.79	(27,	87)
33	THUMB-TIP REACH	-08	.01	.11	.14	.20	.27	.39	.64	.65	.68	.69	(27,	90)
34	THUMB-TIP,EXTENDED	-01	.02	.07	.12	.19	.27	.39	.59	.61	.64	.69	(27,	35)
35	OVERHEAD REACH	.00	.01	.07	.14	.21	.31	.53	.77	.83	.86	.86	(4,	11)
36	NECK CIRCUMFERENCE	.04	.05	.13	.16	.23	.32	.42	.50	.51	.54	.58	(113,	2)
37	SHOULDER CIRCUMFER	.06	.08	.13	.16	.25	.35	.61	.75	.78	.88	.89	(27,	64)
38	CHEST CIRC AT SCYE	.06	.07	.11	.13	.22	.31	.59	.75	.79	.88	.89	(119,	39)
39	BUST CIRCUMFERENCE	.06	.06	.08	.13	.20	.29	.62	.73	.78	.88	.89	(101,	38)
40	CHEST C BELOW BUST	.05	.06	.10	.14	.21	.31	.56	.71	.75	.82	.83	(118,	39)
41	WAIST CIRCUMFERNCE	.03	.05	.10	.13	.21	.31	.60	.74	.80	.85	.89	(101,	67)
42	ABDOMINAL EXT CIRC	.00	.01	.05	.09	.15	.30	.59	.72	.75	.82	.83	(118,	43)
43	HIP C-7" BLW WAIST	.03	.05	.09	.15	.24	.35	.64	.76	.83	.93	.94	(119,	44)
44	HIP C-9" BLW WAIST	.01	.02	.11	.15	.23	.37	.63	.74	.81	.94	.94	(119,	52)
45	UPPER THIGH CIRCUM	.03	.03	.07	.12	.19	.29	.60	.72	.80	.87	.89	(119,	44)

***-VISUAL INDEX NUMBERS OF VARIABLES WITH LOWEST AND HIGHEST CORRELATIONS

TABLE XXIII

DISTRIBUTION OF CORRELATION COEFFICIENTS
BY VARIABLES, GROUPS OF RELATED VARIABLES, AND ENTIRE GROUP
IV - SUMMARIES BY VARIABLE

		MINIMUM		PERCENTILES							MAXIMUM		***	
		1ST	2RD	5	10	25	50	75	90	95	2RD	1ST		
46	KNEE CIRCUMFERENCE	.04	.07	.14	.16	.24	.37	.56	.69	.75	.79	.82	(119,	2)
47	CALF CIRCUM, RIGHT	.01	.03	.11	.14	.20	.30	.49	.64	.69	.79	.96	(20,	48)
48	CALF CIRCUM, LEFT	.00	.03	.10	.14	.21	.30	.48	.64	.68	.78	.96	(20,	47)
49	ANKLE CIRCUMFERNCE	-02	.04	.11	.16	.21	.30	.40	.47	.56	.74	.75	(1,	47)
50	VERTICAL TRUNK CIR	-01	.00	.17	.19	.27	.44	.58	.63	.70	.79	.93	(119,	51)
51	VERT TRUNK CIR,SIT	-03	-02	.15	.19	.27	.46	.54	.66	.70	.82	.93	(118,	50)
52	BUTTOCK CIRC, SIT	.04	.05	.11	.16	.24	.38	.67	.76	.81	.93	.94	(119,	44)
53	SCYE CIRCUMFERENCE	.04	.08	.12	.15	.25	.37	.57	.70	.73	.78	.81	(119,	54)
54	AXILLARY ARM CIRC	-02	.02	.05	.08	.14	.27	.61	.75	.80	.87	.89	(87,	55)
55	BICEPS C,RELAXED,R	-06	.01	.06	.07	.13	.27	.63	.75	.79	.95	.97	(87,	56)
56	BICEPS C,FLEXED, R	-03	.04	.08	.09	.15	.29	.61	.74	.81	.95	.97	(87,	55)
57	BICEPS C,RELAXED,L	-03	.00	.06	.07	.13	.25	.63	.75	.77	.95	.98	(87,	58)
58	BICEPS C,FLEXED, L	-02	.02	.07	.08	.14	.27	.61	.75	.78	.95	.98	(87,	57)
59	ELBOW CIRC, FLEXED	.06	.07	.13	.17	.24	.35	.43	.48	.54	.64	.75	(27,	61)
60	FOREARM C, RELAXED	.07	.09	.13	.17	.24	.35	.59	.71	.76	.83	.93	(119,	61)
61	FOREARM C, FLEXED	.07	.08	.13	.17	.24	.34	.57	.69	.75	.81	.93	(119,	60)
62	WRIST CIRCUMFERNCE	.10	.12	.14	.17	.27	.40	.49	.53	.60	.70	.71	(1,	93)
63	BIACROMIAL BREADTH	-08	.03	.14	.16	.24	.34	.39	.45	.47	.60	.62	(27,	79)
64	BIDELTOID BREADTH	.05	.06	.12	.14	.23	.32	.59	.73	.75	.83	.89	(119,	37)
65	CHEST BREADTH	.06	.07	.10	.14	.21	.29	.52	.62	.68	.77	.77	(119,	37)
66	BUSTPT-BUSTPT BRTH	.01	.05	.08	.09	.16	.23	.42	.51	.56	.67	.72	(27,	39)
67	WAIST BREADTH	.05	.07	.09	.14	.23	.34	.57	.67	.71	.77	.89	(101,	41)
68	HIP BREADTH	-02	.00	.09	.11	.20	.35	.53	.63	.70	.88	.89	(118,	44)
69	THIGH-THIGH BR,SIT	-02	-01	.07	.10	.17	.28	.57	.68	.73	.88	.89	(118,	44)
70	HUMERAL BREADTH, R	.07	.10	.12	.14	.23	.36	.43	.49	.50	.62	.92	(124,	71)
71	HUMERAL BREADTH, L	.08	.09	.11	.14	.23	.37	.43	.49	.50	.62	.92	(124,	70)
72	FEMORAL BREADTH, R	.03	.06	.07	.11	.20	.29	.35	.41	.45	.52	.96	(105,	73)
73	FEMORAL BREADTH, L	.03	.05	.08	.11	.21	.30	.37	.43	.46	.55	.96	(105,	72)
74	CHEST DEPTH	.02	.04	.07	.11	.18	.27	.57	.67	.70	.76	.88	(101,	39)
75	WAIST DEPTH	.02	.04	.08	.10	.15	.27	.54	.68	.70	.85	.86	(101,	76)
76	ABDOMINAL EXT DPTH	.02	.04	.07	.10	.16	.27	.58	.71	.77	.82	.86	(101,	75)
77	BUTTOCK DEPTH	.02	.06	.10	.11	.18	.27	.60	.71	.73	.81	.82	(119,	43)
78	THIGH CLEARANCE	-01	.06	.11	.13	.24	.39	.48	.56	.60	.67	.71	(1,	2)
79	SHOULDER LENGTH	-10	-03	.04	.08	.12	.20	.28	.32	.37	.46	.62	(27,	63)
80	NECK TO BUSTPOINT	.03	.04	.06	.10	.16	.27	.42	.50	.53	.64	.90	(12,	81)
81	STRAP LENGTH	.06	.08	.09	.12	.19	.32	.50	.57	.61	.70	.90	(118,	80)
82	INTERSCYE	.05	.05	.09	.11	.14	.22	.40	.48	.56	.62	.66	(27,	37)
83	INTERSCYE, MAXIMUM	.00	.03	.07	.10	.19	.32	.42	.48	.51	.56	.57	(118,	37)
84	BACK CURVATURE	.00	.00	.05	.08	.16	.26	.44	.55	.59	.65	.65	(118,	40)
85	WAIST BACK	-03	-01	.04	.06	.11	.19	.33	.47	.59	.64	.66	(4,	23)
86	ANTERIOR WAIST LTH	.00	.00	.07	.10	.15	.27	.34	.44	.48	.53	.56	(119,	50)
87	SLEEVE INSEAM	-21	-08	-03	.04	.10	.19	.35	.72	.74	.79	.79	(27,	90)
88	SPINE-TO-SCYE LGTH	.03	.04	.07	.08	.16	.24	.32	.38	.46	.55	.56	(118,	82)
89	SPINE-TO-ELBOW LTH	-09	.04	.14	.18	.25	.37	.49	.63	.67	.71	.93	(27,	90)
90	SPINE-TO-WRIST LTH	-11	.01	.13	.18	.26	.36	.49	.74	.76	.79	.93	(27,	89)

***-VISUAL INDEX NUMBERS OF VARIABLES WITH LOWEST AND HIGHEST CORRELATIONS

TABLE XXIII

DISTRIBUTION OF CORRELATION COEFFICIENTS
BY VARIABLES, GROUPS OF RELATED VARIABLES, AND ENTIRE GROUP
IV - SUMMARIES BY VARIABLE

		MINIMUM		PERCENTILES							MAXIMUM		
		1ST	2RD	5	10	25	50	75	90	95	2RD	1ST	***
91	HAND LENGTH	-07	-02	.08	.11	.19	.24	.41	.57	.60	.61	.71	(6, 94)
92	HAND BREADTH	.00	.00	.07	.13	.22	.27	.33	.38	.45	.57	.74	(6, 93)
93	HAND CIRCUMFERENCE	.05	.08	.12	.15	.21	.31	.37	.45	.49	.71	.74	(6, 92)
94	FOOT LENGTH	-02	.04	.15	.19	.24	.32	.49	.65	.68	.70	.71	(6, 91)
95	FOOT BREADTH	.01	.01	.12	.14	.19	.25	.32	.36	.38	.48	.52	(1, 94)
96	HEAD LENGTH	.02	.03	.06	.12	.17	.22	.27	.32	.40	.58	.69	(4, 98)
97	HEAD BREADTH	.00	.00	.04	.08	.11	.17	.22	.26	.28	.50	.59	(124, 115)
98	HEAD CIRCUMFERENCE	.02	.06	.11	.18	.23	.28	.32	.40	.46	.59	.69	(27, 96)
99	TRAGION-TOP HEAD	-01	.03	.06	.07	.12	.15	.20	.29	.38	.66	.78	(27, 100)
100	ECTOCANTHUS-TOP HD	-02	.00	.01	.04	.08	.12	.19	.23	.36	.87	.88	(27, 102)
101	PRONASALE-TOP HEAD	-14	-03	.01	.03	.07	.12	.18	.23	.34	.90	.94	(110, 102)
102	SUBNASALE-TOP HEAD	-10	-02	.02	.04	.09	.14	.21	.27	.37	.94	.95	(110, 103)
103	STOMION-TOP HEAD	-08	-02	.02	.05	.09	.15	.23	.29	.38	.90	.95	(110, 102)
104	MENTON TO TOP HEAD	-01	.01	.05	.09	.13	.21	.29	.37	.42	.88	.90	(110, 103)
105	TRAGION TO WALL	-05	-05	.03	.05	.10	.15	.19	.22	.33	.74	.86	(117, 106)
106	ECTOCANTHUS-WALL	-05	.01	.07	.09	.16	.21	.24	.30	.49	.83	.86	(27, 105)
107	PRONASALE TO WALL	-02	.04	.09	.12	.19	.24	.28	.31	.50	.88	.93	(27, 108)
108	SUBNASALE TO WALL	-05	.03	.05	.10	.15	.21	.25	.28	.46	.93	.95	(27, 109)
109	LIP PROTRUSION-WALL	-07	-02	.04	.06	.11	.18	.22	.24	.42	.88	.95	(27, 108)
110	MENTON TO WALL	-14	-10	.00	.06	.11	.17	.24	.28	.31	.84	.86	(101, 109)
111	SAGITTAL CURVATURE	-03	-01	.04	.10	.13	.18	.23	.30	.36	.45	.59	(5, 98)
112	BITRAGION-CORONAL	.02	.03	.09	.12	.16	.20	.23	.28	.38	.52	.54	(27, 98)
113	BIOCULAR BREADTH	-03	-02	.06	.09	.12	.16	.20	.23	.27	.41	.43	(20, 116)
114	BIAURICULAR BRDTH	-11	-06	.03	.05	.10	.14	.17	.19	.22	.30	.38	(119, 115)
115	BITRAGION BREADTH	.04	.04	.11	.14	.17	.23	.30	.35	.37	.59	.72	(27, 116)
116	BIZYGOMATIC BRDTH	-03	-02	.05	.08	.14	.21	.27	.31	.32	.57	.72	(105, 115)
117	BIGONIAL BREADTH	-05	-02	.03	.04	.12	.20	.27	.30	.33	.53	.57	(105, 116)
118	NASAL BREADTH	-13	-10	-07	-02	.05	.08	.14	.21	.23	.31	.53	(27, 119)
119	LIP LENGTH	-11	-07	-02	-01	.03	.07	.10	.16	.21	.25	.53	(114, 118)
120	MENTON-SUBNASALE L	.00	.01	.04	.05	.11	.14	.17	.20	.21	.39	.63	(6, 121)
121	MENTON-SELLION LTH	-02	.03	.05	.12	.15	.18	.22	.26	.27	.59	.63	(6, 120)
122	SUBNASALE-SELLION	-03	-01	.03	.07	.10	.12	.15	.19	.19	.26	.59	(5, 121)
123	EAR LENGTH	.02	.03	.08	.09	.12	.17	.21	.25	.26	.28	.29	(27, 124)
124	EAR BREADTH	-05	-02	.01	.05	.07	.10	.12	.14	.15	.16	.29	(27, 123)

***-VISUAL INDEX NUMBERS OF VARIABLES WITH LOWEST AND HIGHEST CORRELATIONS

TABLE XXIV

THE CORRELATION MATRIX FOR AGE AND FULL SAMPLE VARIABLES

		1	2	3	4	5	6	7	8	9	10
1	AGE		.223	.148	.161	.011	-020	.048	.046	.044	.068
2	WEIGHT	.223		.597	.565	.582	.362	.533	.533	.541	.552
3	TRICEPS SKINFOLD	.148	.597		.610	.604	.511	.075	.075	.091	.097
4	SUBSCAPULAR SKINFD	.161	.565	.610		.659	.332	.006	.006	.027	.041
5	SUPRAILIAC SKINFLD	.011	.582	.604	.659		.372	.098	.098	.124	.122
6	MEDIAL CALF SKINFD	-020	.362	.511	.332	.372		.017	.016	.027	.035
7	STATURE	.048	.533	.075	.006	.098	.017		.998	.977	.959
8	STATURE, MAXIMUM	.046	.533	.075	.006	.098	.016	.998		.979	.960
9	CERVICALE HEIGHT	.044	.541	.091	.027	.124	.027	.977	.979		.965
10	ACROMIAL HEIGHT	.068	.552	.097	.041	.122	.035	.959	.960	.965	
11	SUPRASTERNALE HGHT	.048	.553	.102	.038	.127	.033	.973	.974	.972	.967
12	BUSTPOINT HEIGHT	-023	.457	.037	-021	.057	.012	.927	.927	.927	.935
13	WAIST HEIGHT	.039	.497	.074	.026	.110	.009	.914	.916	.927	.919
14	ABDOMINAL EXTEN HT	-023	.431	.024	-037	.062	-010	.897	.899	.911	.900
15	TROCHANTERIC H'GHT	.010	.460	.050	.014	.078	.010	.852	.854	.866	.866
16	BUTTOCK HEIGHT	-035	.468	.085	.056	.144	.040	.847	.849	.866	.859
17	GLUTEAL FURROW HGT	-050	.366	.017	-021	.070	-009	.825	.824	.839	.828
18	TIBIALE HEIGHT	-003	.408	.047	.006	.091	-013	.787	.789	.815	.798
19	CROTCH HEIGHT	-055	.431	.036	.000	.092	.007	.849	.854	.876	.865
20	ANKLE HEIGHT	.044	.158	-009	.048	.029	-066	.306	.307	.328	.315
21	LAT'L MALLEOLUS HT	-002	.246	.084	.038	.089	.052	.426	.425	.419	.413
22	SITTING HT,RELAXED	.100	.452	.091	.017	.080	.025	.782	.783	.735	.711
23	SITTING HEIGHT	.091	.481	.105	.026	.090	.040	.801	.803	.753	.729
24	EYE HEIGHT,SITTING	.109	.448	.112	.020	.096	.044	.737	.740	.699	.673
25	MIDSHOULDER HT,SIT	.134	.497	.147	.094	.120	.065	.716	.719	.703	.721
26	WAIST HGHT,SITTING	.145	.386	.224	.190	.178	.107	.404	.408	.398	.396
27	ELBOW REST HEIGHT	.046	.160	.097	.040	.071	.075	.204	.205	.186	.220
28	POPLITEAL HEIGHT	-072	.370	.015	-013	.101	-006	.728	.730	.745	.736
29	BUTTOCK-POPLIT'L L	.086	.565	.225	.181	.233	.121	.653	.655	.673	.674
30	BUTTOCK-KNEE LNGTH	.063	.694	.290	.225	.284	.183	.769	.770	.789	.789
31	ACROMION-RADIALE L	.047	.441	.068	.037	.108	-002	.725	.727	.734	.752
32	RADIALE-STYLION L	.003	.376	.023	.002	.038	-046	.666	.669	.688	.677
33	THUMB-TIP REACH	.086	.433	.084	.047	.105	.010	.646	.647	.662	.657
34	THUMB-TIP,EXTENDED	.037	.422	.068	.064	.063	.023	.612	.613	.618	.616
35	OVERHEAD REACH	.010	.485	.043	-003	.074	.017	.852	.853	.855	.858
36	NECK CIRCUMFERENCE	.159	.582	.306	.364	.309	.167	.319	.318	.316	.316
37	SHOULDER CIRCUMFER	.233	.835	.530	.582	.540	.244	.334	.334	.334	.350
38	CHEST CIRC AT SCYE	.291	.803	.503	.609	.553	.241	.292	.291	.292	.316
39	BUST CIRCUMFERENCE	.287	.799	.525	.628	.600	.261	.257	.257	.263	.291
40	CHEST C BELOW BUST	.265	.790	.488	.572	.538	.245	.288	.289	.293	.328
41	WAIST CIRCUMFERNCE	.234	.824	.542	.646	.641	.289	.279	.277	.293	.313
42	ABDOMINAL EXT CIRC	.296	.794	.588	.628	.609	.337	.245	.243	.246	.267
43	HIP C-7" BLW WAIST	.230	.892	.614	.579	.578	.377	.355	.352	.353	.370
44	HIP C-9" BLW WAIST	.219	.886	.612	.529	.543	.397	.360	.360	.365	.375
45	UPPER THIGH CIRCUM	.155	.840	.630	.523	.566	.422	.266	.265	.274	.283

TABLE XXIV

THE CORRELATION MATRIX FOR AGE AND FULL SAMPLE VARIABLES

		1	2	3	4	5	6	7	8	9	10
46	KNEE CIRCUMFERENCE	.145	.819	.564	.410	.444	.454	.386	.386	.391	.393
47	CALF CIRCUM, RIGHT	.047	.752	.488	.343	.375	.435	.296	.294	.290	.292
48	CALF CIRCUM, LEFT	.061	.747	.481	.333	.360	.430	.300	.298	.292	.295
49	ANKLE CIRCUMFERNCE	-023	.591	.320	.176	.226	.318	.354	.354	.348	.343
50	VERTICAL TRUNK CIR	.272	.787	.411	.375	.357	.242	.619	.619	.612	.638
51	VERT TRUNK CIR,SIT	.235	.737	.354	.323	.327	.194	.679	.681	.674	.696
52	BUTTOCK CIRC, SIT	.277	.904	.597	.549	.551	.378	.380	.381	.388	.404
53	SCYE CIRCUMFERENCE	.262	.776	.495	.533	.487	.241	.365	.365	.374	.408
54	AXILLARY ARM CIRC	.238	.793	.667	.681	.637	.350	.164	.165	.174	.184
55	BICEPS CIR,RELAX,R	.288	.803	.717	.632	.585	.425	.141	.140	.149	.167
56	BICEPS CIR, FLEX,R	.293	.805	.692	.606	.565	.402	.163	.162	.170	.189
57	BICEPS CIR,RELAX,L	.298	.806	.709	.634	.582	.428	.136	.135	.144	.165
58	BICEPS CIR, FLEX,L	.307	.805	.685	.608	.564	.413	.156	.154	.165	.183
59	ELBOW CIRC, FLEXED	.131	.572	.301	.280	.299	.182	.411	.411	.416	.425
60	FOREARM CIR, RELAX	.194	.808	.559	.484	.479	.336	.309	.308	.315	.333
61	FOREARM CIR,FLEXED	.175	.779	.537	.466	.472	.322	.307	.307	.315	.327
62	WRIST CIRCUMFERNCE	.102	.646	.308	.273	.312	.179	.453	.455	.450	.452
63	BIACROMIAL BREADTH	.149	.495	.149	.156	.140	.031	.456	.456	.452	.417
64	BIDELTOID BREADTH	.227	.798	.529	.556	.530	.254	.302	.301	.304	.322
65	CHEST BREADTH	.231	.701	.402	.472	.423	.186	.278	.280	.276	.314
66	BUSTPT-BUSTPT BRTH	.158	.586	.357	.415	.440	.158	.211	.210	.215	.235
67	WAIST BREADTH	.146	.768	.469	.535	.573	.263	.329	.331	.343	.359
68	HIP BREADTH	.194	.770	.530	.425	.444	.364	.348	.348	.349	.350
69	THIGH-THIGH BR,SIT	.273	.783	.591	.476	.480	.414	.239	.241	.247	.256
70	HUMERAL BREADTH, R	.137	.538	.202	.118	.197	.098	.486	.488	.483	.484
71	HUMERAL BREADTH, L	.105	.544	.214	.115	.198	.113	.491	.494	.493	.493
72	FEMORAL BREADTH, R	.115	.487	.282	.206	.239	.185	.338	.342	.344	.343
73	FEMORAL BREADTH, L	.136	.515	.299	.220	.250	.196	.346	.350	.352	.354
74	CHEST DEPTH	.292	.744	.511	.611	.577	.257	.227	.229	.245	.264
75	WAIST DEPTH	.289	.736	.498	.608	.566	.274	.192	.192	.210	.230
76	ABDOMINAL EXT DPTH	.289	.791	.573	.637	.594	.355	.208	.208	.225	.246
77	BUTTOCK DEPTH	.164	.805	.598	.577	.537	.392	.238	.239	.250	.271
78	THIGH CLEARANCE	-009	.714	.419	.329	.416	.306	.431	.436	.447	.443
79	SHOULDER LENGTH	.028	.273	.038	.032	.040	-033	.365	.366	.373	.276
80	NECK-BUST POINT L	.311	.573	.363	.406	.421	.161	.265	.266	.271	.258
81	STRAP LENGTH	.326	.655	.411	.448	.443	.172	.323	.323	.316	.306
82	INTERSCYE	.194	.534	.302	.364	.340	.111	.188	.190	.191	.204
83	INTERSCYE, MAXIMUM	.171	.553	.294	.324	.331	.100	.352	.353	.362	.355
84	BACK CURVATURE	.165	.606	.358	.431	.356	.213	.236	.238	.238	.270
85	WAIST BACK	.010	.298	.021	-034	.036	.012	.585	.588	.609	.556
86	ANTERIOR WAIST LTH	.047	.459	.218	.197	.258	.140	.458	.457	.437	.436
87	SLEEVE INSEAM	-083	.288	-056	-081	-030	-057	.707	.708	.728	.701
88	SPINE-TO-SCYE LGTH	.151	.430	.184	.198	.233	.042	.259	.261	.258	.264
89	SPINE-TO-ELBOW LTH	.127	.569	.178	.139	.178	.037	.679	.681	.678	.662
90	SPINE-TO-WRIST LTH	.077	.566	.133	.101	.145	.008	.758	.760	.768	.756

TABLE XXIV

THE CORRELATION MATRIX FOR AGE AND FULL SAMPLE VARIABLES

		1	2	3	4	5	6	7	8	9	10
91	HAND LENGTH	.080	.383	.007	-020	.050	-068	.601	.605	.604	.592
92	HAND BREADTH	.140	.417	.057	.046	.084	.002	.380	.381	.376	.376
93	HAND CIRCUMFERENCE	.138	.495	.154	.124	.168	.046	.365	.367	.364	.368
94	FOOT LENGTH	.055	.510	.052	.038	.100	-021	.692	.696	.697	.684
95	FOOT BREADTH	.007	.393	.055	.040	.066	.031	.355	.355	.346	.349
96	HEAD LENGTH	.118	.304	.058	.021	.052	.035	.318	.321	.299	.298
97	HEAD BREADTH	.190	.290	.156	.133	.142	.090	.136	.137	.121	.134
98	HEAD CIRCUMFERENCE	.095	.403	.107	.099	.097	.063	.331	.335	.308	.311
99	TRAGION-TOP HEAD	.067	.222	.060	.070	.063	.059	.244	.242	.208	.206
100	ECTOCANTHUS-TOP HD	.061	.168	.022	.012	.011	.011	.236	.234	.198	.197
101	PRONASALE-TOP HEAD	.096	.145	.013	-020	-026	-011	.240	.238	.199	.195
102	SUBNASALE-TOP HEAD	.069	.183	.014	-001	-019	.000	.287	.284	.244	.241
103	STOMION-TOP HEAD	.057	.186	.004	-014	-021	-007	.294	.292	.254	.247
104	MENTON-TOP HEAD	.065	.272	.033	.009	.006	.013	.359	.358	.316	.315
105	TRAGION TO WALL	.086	.204	.075	.085	.081	.038	.177	.178	.188	.188
106	ECTOCANTHUS-WALL	.138	.291	.092	.099	.086	.026	.241	.242	.244	.243
107	PRONASALE TO WALL	.146	.344	.099	.104	.099	.047	.280	.281	.289	.287
108	SUBNASALE TO WALL	.084	.311	.082	.120	.104	.037	.230	.233	.245	.245
109	LIP PROTRUS*N-WALL	.069	.270	.064	.121	.105	.026	.163	.166	.184	.185
110	MENTON TO WALL	.145	.303	.132	.197	.162	.071	.107	.108	.136	.146
111	SAGITTAL CURVATURE	.096	.237	.035	.033	-025	.041	.279	.280	.245	.242
112	BITRAGION-CORONAL	.067	.303	.124	.129	.124	.083	.243	.245	.214	.219
113	BIOCULAR BREADTH	.086	.234	.081	.064	.118	-022	.192	.196	.203	.194
114	BIAURICULAR BRDTH	.123	.216	.116	.105	.050	.028	.152	.152	.138	.146
115	BITRAGION BREADTH	.245	.392	.208	.207	.167	.111	.228	.229	.221	.237
116	BIZYGOMATIC BRDTH	.089	.358	.207	.189	.234	.131	.199	.199	.203	.206
117	BIGONIAL BREADTH	.146	.347	.235	.222	.272	.091	.142	.144	.152	.158
118	NASAL BREADTH	.063	.100	-047	.055	-007	-099	.032	.035	.041	.040
119	LIP LENGTH	.044	.083	-049	-012	.009	-068	.061	.067	.074	.064
120	MENTON-SUBNASALE L	.038	.211	.052	.042	.035	-004	.181	.183	.169	.176
121	MENTON-SELLION LTH	.189	.264	.054	.035	.025	-024	.267	.269	.253	.249
122	SUBNASALE-SELLION	.259	.165	.031	.003	-027	-011	.180	.180	.168	.160
123	EAR LENGTH	.271	.280	.122	.137	.083	.069	.175	.177	.161	.163
124	EAR BREADTH	.137	.139	.042	.029	.010	-019	.104	.107	.101	.102
125	GRIP STRENGTH	.150	.361	.094	.064	.064	-022	.295	.298	.288	.296
139	STATURE-REPORTED	.055	.560	.100	.034	.128	.035	.961	.963	.955	.940
140	WEIGHT-REPORTED	.254	.973	.562	.545	.558	.332	.554	.554	.559	.571

TABLE XXIV

THE CORRELATION MATRIX FOR AGE AND FULL SAMPLE VARIABLES

		11	12	13	14	15	16	17	18	19	20
1	AGE	.048	-023	.039	-023	.010	-035	-050	-003	-055	.044
2	WEIGHT	.553	.457	.497	.431	.460	.468	.366	.408	.431	.158
3	TRICEPS SKINFOLD	.102	.037	.074	.024	.050	.085	.017	.047	.036	-009
4	SUBSCAPULAR SKINFD	.038	-021	.026	-037	.014	.056	-021	.006	.000	.048
5	SUPRAILIAC SKINFLD	.127	.057	.110	.062	.078	.144	.070	.091	.092	.029
6	MEDIAL CALF SKINFD	.033	.012	.009	-010	.010	.040	-009	-013	.007	-066
7	STATURE	.973	.927	.914	.897	.852	.847	.825	.787	.849	.306
8	STATURE, MAXIMUM	.974	.927	.916	.899	.854	.849	.824	.789	.854	.307
9	CERVICALE HEIGHT	.972	.927	.927	.911	.866	.866	.839	.815	.876	.328
10	ACROMIAL HEIGHT	.967	.935	.919	.900	.866	.859	.828	.798	.865	.315
11	SUPRASTERNALE HGHT		.942	.931	.916	.874	.868	.836	.809	.880	.316
12	BUSTPOINT HEIGHT	.942		.897	.893	.856	.844	.837	.786	.862	.300
13	WAIST HEIGHT	.931	.897		.947	.896	.890	.864	.831	.909	.314
14	ABDOMINAL EXTEN HT	.916	.893	.947		.896	.895	.874	.835	.919	.280
15	TROCHANTERIC H'GHT	.874	.856	.896	.896		.884	.860	.785	.901	.255
16	BUTTOCK HEIGHT	.868	.844	.890	.895	.884		.885	.819	.907	.304
17	GLUTEAL FURROW HGT	.836	.837	.864	.874	.860	.885		.808	.884	.307
18	TIBIALE HEIGHT	.809	.786	.831	.835	.785	.819	.808		.842	.443
19	CROTCH HEIGHT	.880	.862	.909	.919	.901	.907	.884	.842		.314
20	ANKLE HEIGHT	.316	.300	.314	.280	.255	.304	.307	.443	.314	
21	LAT'L MALLEOLUS HT	.423	.394	.408	.409	.380	.399	.363	.383	.374	.216
22	SITTING HT,RELAXED	.726	.659	.596	.549	.493	.472	.435	.450	.455	.212
23	SITTING HEIGHT	.744	.673	.607	.559	.507	.482	.445	.453	.467	.210
24	EYE HEIGHT,SITTING	.688	.618	.562	.513	.456	.437	.399	.420	.423	.177
25	MIDSHOULDER HT,SIT	.685	.630	.558	.505	.470	.442	.402	.413	.416	.212
26	WAIST HGHT,SITTING	.392	.341	.416	.309	.283	.263	.218	.236	.223	.116
27	ELBOW REST HEIGHT	.172	.144	.045	.004	-045	-044	-087	-038	-090	-005
28	POPLITEAL HEIGHT	.747	.731	.762	.780	.750	.781	.741	.737	.788	.253
29	BUTTOCK-POPLIT'L L	.687	.654	.710	.700	.697	.713	.655	.612	.715	.189
30	BUTTOCK-KNEE LNGTH	.800	.756	.809	.794	.798	.810	.738	.695	.811	.238
31	ACROMION-RADIALE L	.735	.707	.747	.748	.761	.738	.710	.643	.749	.179
32	RADIALE-STYLION L	.686	.672	.699	.695	.692	.687	.675	.699	.716	.381
33	THUMB-TIP REACH	.655	.627	.652	.638	.649	.637	.619	.608	.656	.275
34	THUMB-TIP,EXTENDED	.614	.598	.613	.594	.624	.578	.576	.550	.609	.272
35	OVERHEAD REACH	.864	.834	.835	.826	.830	.786	.771	.734	.813	.332
36	NECK CIRCUMFERENCE	.310	.271	.264	.223	.246	.249	.198	.260	.228	.266
37	SHOULDER CIRCUMFER	.357	.271	.308	.263	.295	.295	.215	.246	.264	.095
38	CHEST CIRC AT SCYE	.308	.230	.268	.211	.240	.255	.186	.222	.217	.135
39	BUST CIRCUMFERENCE	.279	.183	.238	.180	.212	.238	.163	.198	.190	.104
40	CHEST C BELOW BUST	.308	.253	.258	.202	.248	.261	.188	.220	.222	.110
41	WAIST CIRCUMFERNCE	.298	.216	.238	.192	.255	.274	.189	.204	.221	.120
42	ABDOMINAL EXT CIRC	.249	.170	.215	.111	.185	.214	.133	.161	.147	.077
43	HIP C-7" BLW WAIST	.362	.286	.317	.253	.286	.306	.208	.244	.236	.076
44	HIP C-9" BLW WAIST	.373	.289	.336	.266	.290	.284	.182	.251	.246	.095
45	UPPER THIGH CIRCUM	.281	.210	.252	.199	.219	.235	.148	.204	.192	.035

TABLE XXIV

THE CORRELATION MATRIX FOR AGE AND FULL SAMPLE VARIABLES

		11	12	13	14	15	16	17	18	19	20
46	KNEE CIRCUMFERENCE	.402	.330	.353	.301	.318	.330	.235	.292	.298	.110
47	CALF CIRCUM, RIGHT	.301	.244	.247	.215	.245	.221	.156	.200	.203	.011
48	CALF CIRCUM, LEFT	.304	.248	.249	.217	.250	.228	.162	.196	.206	.001
49	ANKLE CIRCUMFERNCE	.355	.310	.287	.264	.258	.248	.198	.281	.244	.096
50	VERTICAL TRUNK CIR	.617	.542	.501	.425	.437	.399	.325	.364	.365	.186
51	VERT TRUNK CIR,SIT	.672	.601	.561	.490	.481	.457	.387	.417	.420	.204
52	BUTTOCK CIRC, SIT	.399	.310	.361	.282	.322	.322	.209	.269	.274	.107
53	SCYE CIRCUMFERENCE	.386	.306	.342	.285	.319	.324	.253	.279	.288	.160
54	AXILLARY ARM CIRC	.191	.107	.146	.083	.114	.145	.060	.106	.096	.092
55	BICEPS CIR,RELAX,R	.170	.086	.120	.060	.108	.116	.034	.070	.074	.034
56	BICEPS CIR, FLEX,R	.193	.104	.139	.087	.127	.142	.054	.092	.096	.036
57	BICEPS CIR,RELAX,L	.164	.089	.122	.058	.108	.115	.034	.074	.073	.046
58	BICEPS CIR, FLEX,L	.184	.105	.139	.081	.122	.136	.054	.097	.092	.058
59	ELBOW CIRC, FLEXED	.430	.381	.383	.370	.389	.375	.331	.347	.366	.161
60	FOREARM CIR, RELAX	.338	.263	.275	.236	.267	.262	.191	.233	.238	.103
61	FOREARM CIR,FLEXED	.335	.262	.272	.242	.264	.265	.197	.242	.241	.103
62	WRIST CIRCUMFERNCE	.462	.395	.398	.367	.366	.371	.298	.349	.358	.182
63	BIACROMIAL BREADTH	.454	.412	.409	.386	.401	.363	.341	.361	.380	.188
64	BIDELTOID BREADTH	.318	.241	.273	.219	.252	.264	.182	.239	.223	.136
65	CHEST BREADTH	.291	.232	.242	.196	.228	.231	.166	.194	.208	.075
66	BUSTPT-BUSTPT BRTH	.239	.154	.211	.179	.196	.213	.150	.176	.181	.045
67	WAIST BREADTH	.344	.266	.293	.256	.295	.320	.241	.255	.277	.145
68	HIP BREADTH	.350	.276	.318	.253	.276	.251	.175	.237	.225	.091
69	THIGH-THIGH BR,SIT	.247	.170	.212	.136	.175	.168	.070	.134	.130	.041
70	HUMERAL BREADTH, R	.496	.438	.442	.428	.396	.385	.345	.385	.392	.154
71	HUMERAL BREADTH, L	.501	.445	.446	.434	.405	.402	.357	.389	.403	.170
72	FEMORAL BREADTH, R	.349	.291	.308	.287	.257	.287	.227	.293	.279	.110
73	FEMORAL BREADTH, L	.356	.296	.316	.294	.269	.297	.232	.296	.289	.097
74	CHEST DEPTH	.255	.163	.235	.174	.213	.235	.157	.184	.191	.102
75	WAIST DEPTH	.218	.136	.181	.109	.189	.206	.111	.130	.144	.084
76	ABDOMINAL EXT DPTH	.231	.156	.210	.117	.212	.237	.130	.147	.171	.079
77	BUTTOCK DEPTH	.264	.189	.243	.173	.234	.246	.128	.185	.187	.074
78	THIGH CLEARANCE	.454	.399	.443	.413	.428	.441	.364	.400	.433	.106
79	SHOULDER LENGTH	.353	.311	.335	.325	.325	.277	.293	.306	.318	.126
80	NECK-BUST POINT L	.258	.032	.224	.162	.165	.200	.127	.197	.156	.131
81	STRAP LENGTH	.320	.093	.260	.200	.210	.242	.157	.213	.185	.110
82	INTERSCYE	.193	.130	.164	.122	.139	.165	.107	.148	.135	.121
83	INTERSCYE, MAXIMUM	.343	.277	.322	.275	.241	.296	.242	.336	.276	.246
84	BACK CURVATURE	.241	.184	.201	.169	.209	.225	.147	.134	.173	.002
85	WAIST BACK	.549	.511	.395	.418	.372	.349	.350	.342	.373	.160
86	ANTERIOR WAIST LTH	.484	.414	.217	.272	.269	.285	.240	.258	.265	.126
87	SLEEVE INSEAM	.717	.722	.737	.749	.742	.726	.746	.733	.775	.382
88	SPINE-TO-SCYE LGTH	.252	.198	.228	.202	.171	.213	.169	.223	.190	.111
89	SPINE-TO-ELBOW LTH	.676	.626	.660	.641	.630	.613	.593	.582	.629	.233
90	SPINE-TO-WRIST LTH	.767	.731	.760	.748	.742	.728	.708	.705	.753	.306

TABLE XXIV

THE CORRELATION MATRIX FOR AGE AND FULL SAMPLE VARIABLES

		11	12	13	14	15	16	17	18	19	20
91	HAND LENGTH	.608	.570	.603	.604	.599	.572	.546	.498	.585	.062
92	HAND BREADTH	.377	.334	.340	.332	.328	.315	.276	.313	.328	.158
93	HAND CIRCUMFERENCE	.374	.321	.321	.308	.300	.307	.250	.303	.300	.149
94	FOOT LENGTH	.696	.646	.680	.661	.658	.637	.602	.611	.664	.271
95	FOOT BREADTH	.357	.341	.341	.320	.344	.300	.284	.292	.311	.175
96	HEAD LENGTH	.307	.284	.297	.283	.287	.270	.242	.229	.280	.032
97	HEAD BREADTH	.117	.085	.123	.090	.096	.106	.087	.101	.089	.001
98	HEAD CIRCUMFERENCE	.319	.284	.306	.280	.317	.276	.251	.251	.294	.095
99	TRAGION-TOP HEAD	.214	.190	.205	.193	.216	.177	.187	.174	.191	.110
100	ECTOCANTHUS-TOP HD	.211	.194	.194	.192	.213	.163	.178	.171	.190	.122
101	PRONASALE-TOP HEAD	.211	.192	.192	.190	.189	.145	.156	.174	.176	.100
102	SUBNASALE-TOP HEAD	.259	.241	.235	.230	.239	.185	.195	.211	.217	.141
103	STOMION-TOP HEAD	.269	.245	.246	.246	.250	.206	.206	.221	.236	.133
104	MENTON-TOP HEAD	.335	.309	.302	.303	.315	.261	.245	.253	.289	.105
105	TRAGION TO WALL	.186	.187	.187	.184	.195	.184	.180	.188	.194	.150
106	ECTOCANTHUS-WALL	.247	.235	.241	.223	.258	.213	.220	.222	.244	.154
107	PRONASALE TO WALL	.290	.269	.285	.268	.292	.251	.248	.259	.269	.151
108	SUBNASALE TO WALL	.248	.236	.253	.237	.273	.233	.230	.240	.257	.155
109	LIP PROTRUS/N-WALL	.186	.179	.201	.187	.231	.193	.192	.190	.217	.119
110	MENTON TO WALL	.135	.122	.145	.127	.163	.135	.136	.146	.146	.103
111	SAGITTAL CURVATURE	.244	.225	.217	.196	.199	.165	.172	.198	.196	.191
112	BITRAGION-CORONAL	.216	.180	.211	.195	.214	.198	.179	.165	.197	.027
113	BIOCULAR BREADTH	.202	.177	.211	.204	.184	.196	.155	.187	.198	-032
114	BIAURICULAR BRDTH	.144	.133	.135	.110	.126	.099	.088	.114	.100	.054
115	BITRAGION BREADTH	.222	.188	.222	.186	.193	.181	.152	.178	.174	.075
116	BIZYGOMATIC BRDTH	.203	.162	.200	.186	.148	.192	.145	.177	.172	-019
117	BIGONIAL BREADTH	.146	.098	.150	.130	.090	.150	.093	.120	.112	-017
118	NASAL BREADTH	.057	.049	.065	.072	.110	.090	.070	.087	.114	.066
119	LIP LENGTH	.072	.048	.093	.094	.083	.100	.067	.090	.105	-026
120	MENTON-SUBNASALE L	.180	.164	.165	.161	.181	.164	.123	.108	.167	.006
121	MENTON-SELLION LTH	.256	.222	.225	.216	.224	.202	.158	.179	.205	.029
122	SUBNASALE-SELLION	.162	.132	.138	.128	.118	.104	.080	.125	.107	.080
123	EAR LENGTH	.171	.140	.149	.105	.142	.120	.088	.117	.110	.075
124	EAR BREADTH	.108	.101	.107	.101	.118	.101	.066	.105	.100	.093
125	GRIP STRENGTH	.300	.253	.254	.253	.237	.229	.215	.247	.246	.141
139	STATURE-REPORTED	.950	.898	.897	.880	.839	.833	.803	.773	.844	.306
140	WEIGHT-REPORTED	.571	.476	.516	.450	.473	.478	.381	.426	.447	.163

TABLE XXIV

THE CORRELATION MATRIX FOR AGE AND FULL SAMPLE VARIABLES

		21	22	23	24	25	26	27	28	29	30
1	AGE	-002	.100	.091	.109	.134	.145	.046	-072	.086	.063
2	WEIGHT	.246	.452	.481	.448	.497	.386	.160	.370	.565	.694
3	TRICEPS SKINFOLD	.084	.091	.105	.112	.147	.224	.097	.015	.225	.290
4	SUBSCAPULAR SKINFD	.038	.017	.026	.020	.094	.190	.040	-013	.181	.225
5	SUPRAILIAC SKINFLD	.089	.080	.090	.096	.120	.178	.071	.101	.233	.284
6	MEDIAL CALF SKINFD	.052	.025	.040	.044	.065	.107	.075	-006	.121	.183
7	STATURE	.426	.782	.801	.737	.716	.404	.204	.728	.653	.769
8	STATURE, MAXIMUM	.425	.783	.803	.740	.719	.408	.205	.730	.655	.770
9	CERVICALE HEIGHT	.419	.735	.753	.699	.703	.398	.186	.745	.673	.789
10	ACROMIAL HEIGHT	.413	.711	.729	.673	.721	.396	.220	.736	.674	.789
11	SUPRASTERNALE HGHT	.423	.726	.744	.688	.685	.392	.172	.747	.687	.800
12	BUSTPOINT HEIGHT	.394	.659	.673	.618	.630	.341	.144	.731	.654	.756
13	WAIST HEIGHT	.408	.596	.607	.562	.558	.416	.045	.762	.710	.809
14	ABDOMINAL EXTEN HT	.409	.549	.559	.513	.505	.309	.004	.780	.700	.794
15	TROCHANTERIC H'GHT	.380	.493	.507	.456	.470	.283	-045	.750	.697	.798
16	BUTTOCK HEIGHT	.399	.472	.482	.437	.442	.263	-044	.781	.713	.810
17	GLUTEAL FURROW HGT	.363	.435	.445	.399	.402	.218	-087	.741	.655	.738
18	TIBIALE HEIGHT	.383	.450	.453	.420	.413	.236	-038	.737	.612	.695
19	CROTCH HEIGHT	.374	.455	.467	.423	.416	.223	-090	.788	.715	.811
20	ANKLE HEIGHT	.216	.212	.210	.177	.212	.116	-005	.253	.189	.238
21	LAT'L MALLEOLUS HT		.329	.332	.314	.287	.197	.095	.362	.256	.287
22	SITTING HT,RELAXED	.329		.968	.903	.851	.544	.538	.395	.291	.402
23	SITTING HEIGHT	.332	.968		.928	.881	.556	.545	.398	.321	.431
24	EYE HEIGHT,SITTING	.314	.903	.928		.837	.569	.558	.359	.291	.392
25	MIDSHOULDER HT,SIT	.287	.851	.881	.837		.557	.646	.361	.289	.402
26	WAIST HGHT,SITTING	.197	.544	.556	.569	.557		.426	.171	.167	.252
27	ELBOW REST HEIGHT	.095	.538	.545	.558	.646	.426		-048	-128	-070
28	POPLITEAL HEIGHT	.362	.395	.398	.359	.361	.171	-048		.559	.653
29	BUTTOCK-POPLIT'L L	.256	.291	.321	.291	.289	.167	-128	.559		.865
30	BUTTOCK-KNEE LNGTH	.287	.402	.431	.392	.402	.252	-070	.653	.865	
31	ACROMION-RADIALE L	.321	.431	.449	.409	.416	.254	-134	.629	.598	.682
32	RADIALE-STYLION L	.212	.361	.379	.321	.347	.172	-123	.615	.558	.633
33	THUMB-TIP REACH	.248	.390	.393	.333	.393	.164	-083	.569	.515	.604
34	THUMB-TIP,EXTENDED	.218	.392	.419	.384	.388	.257	-012	.484	.489	.581
35	OVERHEAD REACH	.313	.594	.615	.558	.568	.311	.060	.671	.622	.739
36	NECK CIRCUMFERENCE	.129	.305	.326	.287	.333	.245	.095	.211	.259	.350
37	SHOULDER CIRCUMFER	.152	.291	.312	.287	.334	.284	.061	.230	.391	.482
38	CHEST CIRC AT SCYE	.127	.267	.282	.263	.313	.289	.065	.181	.349	.439
39	BUST CIRCUMFERENCE	.128	.225	.239	.227	.281	.259	.074	.172	.345	.426
40	CHEST C BELOW BUST	.135	.243	.263	.241	.307	.238	.101	.189	.353	.437
41	WAIST CIRCUMFERNCE	.116	.212	.236	.205	.297	.201	.065	.186	.389	.474
42	ABDOMINAL EXT CIRC	.101	.226	.246	.242	.296	.311	.121	.124	.349	.425
43	HIP C-7" BLW WAIST	.152	.315	.345	.327	.381	.330	.146	.209	.479	.577
44	HIP C-9" BLW WAIST	.134	.355	.383	.363	.406	.379	.175	.201	.477	.583
45	UPPER THIGH CIRCUM	.123	.242	.269	.256	.305	.309	.143	.168	.423	.513

TABLE XXIV

THE CORRELATION MATRIX FOR AGE AND FULL SAMPLE VARIABLES

		21	22	23	24	25	26	27	28	29	30
46	KNEE CIRCUMFERENCE	.225	.340	.366	.343	.373	.296	.156	.246	.438	.555
47	CALF CIRCUM, RIGHT	.184	.286	.312	.285	.300	.220	.108	.193	.306	.447
48	CALF CIRCUM, LEFT	.178	.286	.313	.289	.302	.225	.105	.196	.309	.446
49	ANKLE CIRCUMFERNCE	.211	.348	.377	.344	.364	.240	.166	.224	.251	.384
50	VERTICAL TRUNK CIR	.241	.678	.706	.671	.751	.490	.429	.297	.441	.558
51	VERT TRUNK CIR,SIT	.275	.741	.770	.731	.818	.534	.480	.351	.435	.556
52	BUTTOCK CIRC, SIT	.142	.361	.385	.367	.416	.381	.163	.226	.484	.593
53	SCYE CIRCUMFERENCE	.166	.317	.338	.320	.393	.325	.116	.241	.390	.484
54	AXILLARY ARM CIRC	.102	.183	.201	.191	.241	.275	.076	.079	.298	.375
55	BICEPS CIR,RELAX,R	.083	.155	.175	.162	.220	.235	.088	.058	.294	.382
56	BICEPS CIR, FLEX,R	.098	.167	.186	.174	.231	.231	.091	.084	.310	.398
57	BICEPS CIR,RELAX,L	.074	.144	.164	.150	.216	.236	.074	.051	.298	.380
58	BICEPS CIR, FLEX,L	.092	.155	.176	.163	.225	.227	.076	.075	.308	.393
59	ELBOW CIRC, FLEXED	.217	.307	.329	.296	.326	.218	.062	.324	.357	.460
60	FOREARM CIR, RELAX	.171	.272	.298	.264	.327	.241	.086	.221	.348	.469
61	FOREARM CIR,FLEXED	.168	.266	.291	.260	.310	.231	.083	.223	.341	.461
62	WRIST CIRCUMFERNCE	.265	.401	.427	.398	.407	.265	.122	.353	.339	.460
63	BIACROMIAL BREADTH	.161	.374	.384	.339	.323	.198	-083	.327	.344	.423
64	BIDELTOID BREADTH	.124	.270	.289	.266	.315	.275	.064	.206	.369	.460
65	CHEST BREADTH	.105	.248	.277	.275	.294	.273	.107	.155	.320	.395
66	BUSTPT-BUSTPT BRTH	.119	.162	.167	.160	.161	.167	.008	.168	.278	.338
67	WAIST BREADTH	.122	.259	.277	.234	.338	.158	.080	.249	.376	.469
68	HIP BREADTH	.102	.355	.379	.371	.386	.359	.187	.181	.426	.527
69	THIGH-THIGH BR,SIT	.070	.283	.309	.303	.340	.353	.203	.085	.355	.450
70	HUMERAL BREADTH, R	.303	.416	.440	.418	.399	.275	.144	.357	.359	.451
71	HUMERAL BREADTH, L	.295	.414	.437	.406	.414	.258	.143	.362	.368	.460
72	FEMORAL BREADTH, R	.262	.298	.313	.330	.268	.240	.138	.239	.288	.357
73	FEMORAL BREADTH, L	.266	.302	.320	.333	.281	.243	.142	.250	.297	.371
74	CHEST DEPTH	.130	.178	.194	.190	.239	.250	.060	.165	.344	.417
75	WAIST DEPTH	.089	.157	.174	.153	.249	.226	.067	.127	.331	.397
76	ABDOMINAL EXT DPTH	.097	.151	.177	.171	.243	.249	.069	.129	.398	.473
77	BUTTOCK DEPTH	.088	.196	.227	.204	.284	.274	.103	.149	.445	.544
78	THIGH CLEARANCE	.230	.283	.320	.334	.310	.263	.080	.381	.477	.591
79	SHOULDER LENGTH	.077	.297	.306	.290	.229	.145	-095	.257	.226	.301
80	NECK-BUST POINT L	.107	.288	.293	.299	.304	.266	.131	.132	.240	.311
81	STRAP LENGTH	.157	.347	.357	.350	.344	.299	.136	.159	.286	.360
82	INTERSCYE	.083	.165	.194	.187	.233	.180	.049	.110	.226	.273
83	INTERSCYE, MAXIMUM	.137	.313	.320	.319	.327	.275	.111	.253	.311	.376
84	BACK CURVATURE	.116	.202	.230	.219	.274	.199	.101	.159	.274	.343
85	WAIST BACK	.234	.615	.657	.604	.643	.097	.367	.311	.241	.323
86	ANTERIOR WAIST LTH	.202	.519	.531	.506	.495	.118	.323	.242	.250	.329
87	SLEEVE INSEAM	.226	.374	.389	.326	.335	.151	-208	.637	.567	.645
88	SPINE-TO-SCYE LGTH	.143	.239	.245	.245	.259	.180	.101	.199	.207	.257
89	SPINE-TO-ELBOW LTH	.258	.486	.499	.458	.441	.294	-086	.540	.535	.639
90	SPINE-TO-WRIST LTH	.273	.485	.501	.449	.454	.276	-115	.649	.615	.719

TABLE XXIV

THE CORRELATION MATRIX FOR AGE AND FULL SAMPLE VARIABLES

		21	22	23	24	25	26	27	28	29	30
91	HAND LENGTH	.309	.402	.414	.383	.360	.196	.013	.557	.447	.514
92	HAND BREADTH	.209	.303	.320	.292	.297	.163	.064	.339	.264	.345
93	HAND CIRCUMFERENCE	.225	.298	.319	.286	.313	.165	.085	.312	.264	.362
94	FOOT LENGTH	.273	.485	.509	.450	.455	.270	.037	.592	.524	.626
95	FOOT BREADTH	.155	.254	.271	.218	.255	.138	.009	.281	.288	.361
96	HEAD LENGTH	.152	.268	.275	.229	.208	.140	.040	.253	.249	.296
97	HEAD BREADTH	.088	.129	.136	.103	.129	.105	.037	.087	.111	.140
98	HEAD CIRCUMFERENCE	.116	.273	.294	.214	.241	.134	.021	.235	.293	.344
99	TRAGION-TOP HEAD	.072	.226	.232	.131	.151	.084	-005	.136	.177	.214
100	ECTOCANTHUS-TOP HD	.076	.208	.211	.080	.131	.061	-019	.137	.160	.195
101	PRONASALE-TOP HEAD	.093	.226	.227	.110	.137	.074	-009	.123	.151	.164
102	SUBNASALE-TOP HEAD	.115	.265	.269	.143	.181	.100	.001	.160	.179	.208
103	STOMION-TOP HEAD	.102	.262	.265	.145	.176	.086	.001	.185	.191	.226
104	MENTON-TOP HEAD	.143	.314	.320	.201	.227	.109	.007	.233	.248	.291
105	TRAGION TO WALL	.050	.100	.115	.091	.128	.066	-045	.135	.213	.239
106	ECTOCANTHUS-WALL	.052	.162	.184	.140	.180	.101	-046	.170	.255	.296
107	PRONASALE TO WALL	.090	.201	.221	.195	.220	.125	-019	.216	.279	.328
108	SUBNASALE TO WALL	.047	.134	.154	.133	.162	.086	-047	.202	.274	.315
109	LIP PROTRUSION-WALL	-006	.057	.078	.070	.101	.043	-075	.165	.242	.282
110	MENTON TO WALL	.003	.037	.054	.060	.107	.066	-047	.117	.209	.232
111	SAGITTAL CURVATURE	.081	.296	.311	.215	.251	.144	.074	.112	.170	.197
112	BITRAGION-CORONAL	.091	.215	.232	.154	.175	.097	.015	.156	.212	.240
113	BIOCULAR BREADTH	.107	.114	.116	.108	.091	.079	.026	.215	.209	.221
114	BIAURICULAR BRDTH	.024	.159	.165	.123	.158	.111	.022	.049	.115	.130
115	BITRAGION BREADTH	.125	.193	.204	.170	.213	.160	.041	.149	.197	.245
116	BIZYGOMATIC BRDTH	.160	.144	.146	.141	.129	.115	.051	.189	.192	.234
117	BIGONIAL BREADTH	.124	.124	.128	.138	.138	.128	.080	.144	.143	.180
118	NASAL BREADTH	-035	-081	-066	-090	-068	-075	-127	.116	.137	.137
119	LIP LENGTH	.015	-003	-006	.005	-022	-022	-025	.137	.114	.120
120	MENTON-SUBNASALE L	.036	.145	.155	.138	.132	.059	.023	.137	.169	.203
121	MENTON-SELLION LTH	.118	.238	.248	.240	.202	.105	.053	.185	.180	.211
122	SUBNASALE-SELLION	.087	.179	.191	.188	.148	.088	.057	.099	.091	.104
123	EAR LENGTH	.056	.150	.168	.130	.154	.111	.015	.096	.167	.185
124	EAR BREADTH	.040	.067	.068	.050	.061	.021	-046	.083	.127	.143
125	GRIP STRENGTH	.098	.244	.252	.232	.249	.116	.035	.216	.208	.280
139	STATURE-REPORTED	.413	.745	.766	.710	.697	.383	.185	.712	.661	.778
140	WEIGHT-REPORTED	.253	.468	.497	.465	.513	.392	.163	.387	.571	.694

TABLE XXIV

THE CORRELATION MATRIX FOR AGE AND FULL SAMPLE VARIABLES

		31	32	33	34	35	36	37	38	39	40
1	AGE	.047	.003	.086	.037	.010	.159	.233	.291	.287	.265
2	WEIGHT	.441	.376	.433	.422	.485	.582	.835	.803	.799	.790
3	TRICEPS SKINFOLD	.068	.023	.084	.068	.043	.306	.530	.503	.525	.488
4	SUBSCAPULAR SKINFD	.037	.002	.047	.064	-003	.364	.582	.609	.628	.572
5	SUPRAILIAC SKINFLD	.108	.038	.105	.063	.074	.309	.540	.553	.600	.538
6	MEDIAL CALF SKINFD	-002	-046	.010	.023	.017	.167	.244	.241	.261	.245
7	STATURE	.725	.666	.646	.612	.852	.319	.334	.292	.257	.288
8	STATURE, MAXIMUM	.727	.669	.647	.613	.853	.318	.334	.291	.257	.289
9	CERVICALE HEIGHT	.734	.688	.662	.618	.855	.316	.334	.292	.263	.293
10	ACROMIAL HEIGHT	.752	.677	.657	.616	.858	.316	.350	.316	.291	.328
11	SUPRASTERNALE HGHT	.735	.686	.655	.614	.864	.310	.357	.308	.279	.308
12	BUSTPOINT HEIGHT	.707	.672	.627	.598	.834	.271	.271	.230	.183	.253
13	WAIST HEIGHT	.747	.699	.652	.613	.835	.264	.308	.268	.238	.258
14	ABDOMINAL EXTEN HT	.748	.695	.638	.594	.826	.223	.263	.211	.180	.202
15	TROCHANTERIC H'GHT	.761	.692	.649	.624	.830	.246	.295	.240	.212	.248
16	BUTTOCK HEIGHT	.738	.687	.637	.578	.786	.249	.295	.255	.238	.261
17	GLUTEAL FURROW HGT	.710	.675	.619	.576	.771	.198	.215	.186	.163	.188
18	TIBIALE HEIGHT	.643	.699	.608	.550	.734	.260	.246	.222	.198	.220
19	CROTCH HEIGHT	.749	.716	.656	.609	.813	.228	.264	.217	.190	.222
20	ANKLE HEIGHT	.179	.381	.275	.272	.332	.266	.095	.135	.104	.110
21	LAT'L MALLEOLUS HT	.321	.212	.248	.218	.313	.129	.152	.127	.128	.135
22	SITTING HT,RELAXED	.431	.361	.390	.392	.594	.305	.291	.267	.225	.243
23	SITTING HEIGHT	.449	.379	.393	.419	.615	.326	.312	.282	.239	.263
24	EYE HEIGHT,SITTING	.409	.321	.333	.384	.558	.287	.287	.263	.227	.241
25	MIDSHOULDER HT,SIT	.416	.347	.393	.388	.568	.333	.334	.313	.281	.307
26	WAIST HGHT,SITTING	.254	.172	.164	.257	.311	.245	.284	.289	.259	.238
27	ELBOW REST HEIGHT	-134	-123	-083	-012	.060	.095	.061	.065	.074	.101
28	POPLITEAL HEIGHT	.629	.615	.569	.484	.671	.211	.230	.181	.172	.189
29	BUTTOCK-POPLIT'L L	.598	.558	.515	.489	.622	.259	.391	.349	.345	.353
30	BUTTOCK-KNEE LNGTH	.682	.633	.604	.581	.739	.350	.482	.439	.426	.437
31	ACROMION-RADIALE L		.627	.645	.585	.723	.230	.338	.293	.269	.284
32	RADIALE-STYLION L	.627		.617	.576	.688	.296	.239	.203	.182	.191
33	THUMB-TIP REACH	.645	.617		.594	.636	.278	.312	.285	.258	.285
34	THUMB-TIP,EXTENDED	.585	.576	.594		.692	.312	.306	.281	.241	.265
35	OVERHEAD REACH	.723	.688	.636	.692		.310	.325	.281	.242	.278
36	NECK CIRCUMFERENCE	.230	.296	.278	.312	.310		.525	.531	.505	.496
37	SHOULDER CIRCUMFER	.338	.239	.312	.306	.325	.525		.879	.810	.799
38	CHEST CIRC AT SCYE	.293	.203	.285	.281	.281	.531	.879		.888	.821
39	BUST CIRCUMFERENCE	.269	.182	.258	.241	.242	.505	.810	.888		.832
40	CHEST C BELOW BUST	.284	.191	.285	.265	.278	.496	.799	.821	.832	
41	WAIST CIRCUMFERNCE	.280	.212	.292	.273	.269	.538	.775	.788	.796	.792
42	ABDOMINAL EXT CIRC	.220	.152	.229	.209	.204	.447	.703	.715	.737	.718
43	HIP C-7" BLW WAIST	.296	.254	.290	.300	.314	.498	.744	.723	.722	.706
44	HIP C-9" BLW WAIST	.285	.249	.284	.304	.321	.473	.717	.686	.674	.661
45	UPPER THIGH CIRCUM	.214	.178	.219	.239	.223	.417	.684	.641	.642	.624

TABLE XXIV

THE CORRELATION MATRIX FOR AGE AND FULL SAMPLE VARIABLES

		31	32	33	34	35	36	37	38	39	40
46	KNEE CIRCUMFERENCE	.270	.275	.305	.308	.341	.436	.600	.569	.557	.558
47	CALF CIRCUM, RIGHT	.222	.175	.250	.264	.289	.395	.567	.517	.489	.520
48	CALF CIRCUM, LEFT	.224	.176	.246	.276	.293	.389	.558	.504	.477	.514
49	ANKLE CIRCUMFERNCE	.214	.224	.254	.251	.314	.343	.415	.371	.340	.384
50	VERTICAL TRUNK CIR	.408	.348	.389	.425	.531	.485	.606	.635	.623	.602
51	VERT TRUNK CIR,SIT	.450	.369	.414	.445	.583	.469	.564	.587	.570	.551
52	BUTTOCK CIRC, SIT	.319	.270	.308	.321	.346	.505	.736	.723	.719	.705
53	SCYE CIRCUMFERENCE	.373	.277	.330	.325	.347	.511	.741	.757	.714	.697
54	AXILLARY ARM CIRC	.150	.105	.181	.181	.153	.498	.801	.802	.776	.708
55	BICEPS CIR,RELAX,R	.109	.077	.162	.159	.133	.463	.758	.746	.729	.698
56	BICEPS CIR, FLEX,R	.133	.103	.175	.175	.152	.469	.764	.737	.717	.695
57	BICEPS CIR,RELAX,L	.114	.094	.166	.173	.140	.490	.764	.750	.728	.701
58	BICEPS CIR, FLEX,L	.127	.111	.170	.181	.156	.491	.760	.752	.727	.693
59	ELBOW CIRC, FLEXED	.349	.348	.333	.341	.419	.379	.510	.503	.453	.452
60	FOREARM CIR, RELAX	.256	.222	.276	.289	.311	.522	.749	.711	.660	.664
61	FOREARM CIR,FLEXED	.257	.225	.277	.280	.313	.494	.722	.689	.636	.636
62	WRIST CIRCUMFERNCE	.378	.342	.389	.366	.421	.444	.566	.532	.485	.503
63	BIACROMIAL BREADTH	.357	.366	.369	.376	.460	.388	.581	.474	.370	.397
64	BIDELTOID BREADTH	.280	.219	.288	.281	.306	.528	.890	.828	.758	.742
65	CHEST BREADTH	.268	.193	.192	.280	.277	.462	.769	.766	.734	.750
66	BUSTPT-BUSTPT BRTH	.243	.160	.201	.188	.210	.340	.560	.581	.720	.558
67	WAIST BREADTH	.302	.238	.342	.281	.310	.508	.719	.715	.706	.728
68	HIP BREADTH	.266	.226	.252	.302	.313	.396	.606	.570	.551	.541
69	THIGH-THIGH BR,SIT	.178	.126	.173	.231	.210	.390	.615	.594	.600	.575
70	HUMERAL BREADTH, R	.376	.336	.353	.365	.436	.335	.455	.421	.387	.408
71	HUMERAL BREADTH, L	.385	.354	.371	.358	.442	.341	.456	.420	.375	.402
72	FEMORAL BREADTH, R	.279	.217	.206	.249	.274	.257	.371	.354	.338	.361
73	FEMORAL BREADTH, L	.292	.218	.219	.256	.281	.267	.396	.375	.357	.388
74	CHEST DEPTH	.258	.175	.239	.221	.212	.454	.702	.758	.880	.753
75	WAIST DEPTH	.222	.139	.241	.183	.176	.455	.670	.689	.723	.705
76	ABDOMINAL EXT DPTH	.225	.160	.241	.222	.198	.443	.685	.696	.733	.710
77	BUTTOCK DEPTH	.198	.177	.243	.257	.234	.446	.671	.649	.660	.633
78	THIGH CLEARANCE	.372	.344	.301	.342	.401	.385	.567	.505	.489	.498
79	SHOULDER LENGTH	.249	.282	.282	.312	.362	.136	.316	.226	.147	.166
80	NECK-BUST POINT L	.223	.151	.208	.194	.219	.332	.515	.550	.642	.484
81	STRAP LENGTH	.253	.185	.243	.227	.264	.452	.613	.630	.700	.556
82	INTERSCYE	.159	.119	.223	.159	.173	.368	.662	.621	.574	.548
83	INTERSCYE, MAXIMUM	.261	.256	.278	.279	.297	.394	.573	.565	.498	.504
84	BACK CURVATURE	.269	.137	.225	.195	.212	.389	.649	.633	.625	.652
85	WAIST BACK	.329	.305	.338	.316	.468	.209	.172	.122	.114	.162
86	ANTERIOR WAIST LTH	.257	.214	.250	.245	.367	.271	.388	.367	.397	.386
87	SLEEVE INSEAM	.730	.788	.679	.634	.750	.213	.160	.100	.072	.101
88	SPINE-TO-SCYE LGTH	.178	.150	.243	.175	.197	.259	.490	.475	.422	.411
89	SPINE-TO-ELBOW LTH	.713	.548	.598	.549	.667	.350	.533	.459	.399	.419
90	SPINE-TO-WRIST LTH	.768	.732	.689	.640	.765	.381	.490	.419	.363	.392

TABLE XXIV

THE CORRELATION MATRIX FOR AGE AND FULL SAMPLE VARIABLES

		31	32	33	34	35	36	37	38	39	40
91	HAND LENGTH	.573	.462	.523	.455	.566	.187	.289	.223	.191	.223
92	HAND BREADTH	.329	.307	.354	.308	.354	.365	.355	.327	.287	.313
93	HAND CIRCUMFERENCE	.309	.298	.345	.284	.338	.351	.424	.421	.367	.379
94	FOOT LENGTH	.578	.589	.591	.533	.660	.324	.343	.305	.277	.304
95	FOOT BREADTH	.276	.313	.327	.315	.371	.265	.287	.257	.206	.243
96	HEAD LENGTH	.268	.219	.220	.244	.278	.179	.248	.208	.204	.204
97	HEAD BREADTH	.109	.093	.137	.085	.115	.278	.252	.240	.255	.262
98	HEAD CIRCUMFERENCE	.272	.295	.273	.310	.328	.335	.330	.282	.273	.273
99	TRAGION-TOP HEAD	.149	.182	.215	.182	.232	.180	.153	.150	.142	.144
100	ECTOCANTHUS-TOP HD	.149	.202	.197	.168	.217	.125	.120	.102	.083	.094
101	PRONASALE-TOP HEAD	.161	.187	.189	.156	.206	.087	.110	.087	.063	.076
102	SUBNASALE-TOP HEAD	.187	.232	.222	.198	.265	.159	.140	.113	.083	.101
103	STOMION-TOP HEAD	.195	.243	.235	.196	.269	.145	.138	.106	.080	.094
104	MENTON-TOP HEAD	.249	.286	.292	.250	.329	.237	.206	.166	.134	.154
105	TRAGION TO WALL	.140	.217	.186	.203	.202	.183	.167	.163	.165	.138
106	ECTOCANTHUS-WALL	.194	.252	.235	.262	.278	.264	.239	.227	.213	.197
107	PRONASALE TO WALL	.236	.280	.270	.278	.305	.262	.284	.277	.264	.244
108	SUBNASALE TO WALL	.202	.264	.240	.261	.283	.250	.261	.246	.236	.212
109	LIP PROTRUS#N-WALL	.169	.231	.208	.232	.231	.216	.233	.221	.214	.187
110	MENTON TO WALL	.133	.166	.170	.172	.162	.213	.291	.299	.287	.263
111	SAGITTAL CURVATURE	.156	.223	.162	.230	.240	.312	.189	.188	.152	.153
112	BITRAGION-CORONAL	.185	.179	.181	.187	.213	.229	.235	.207	.213	.204
113	BIOCULAR BREADTH	.188	.165	.161	.104	.140	.044	.182	.155	.153	.166
114	BIAURICULAR BRDTH	.104	.097	.107	.125	.136	.065	.206	.182	.159	.200
115	BITRAGION BREADTH	.206	.175	.210	.176	.211	.367	.362	.347	.309	.340
116	BIZYGOMATIC BRDTH	.188	.136	.177	.088	.152	.317	.313	.277	.273	.299
117	BIGONIAL BREADTH	.144	.065	.134	.072	.094	.202	.327	.306	.306	.325
118	NASAL BREADTH	.080	.175	.138	.123	.095	.217	.109	.083	.067	.053
119	LIP LENGTH	.099	.105	.091	.038	.062	.130	.085	.063	.063	.060
120	MENTON-SUBNASALE L	.148	.157	.142	.158	.179	.114	.159	.129	.128	.116
121	MENTON-SELLION LTH	.205	.193	.217	.216	.222	.206	.217	.182	.176	.184
122	SUBNASALE-SELLION	.131	.124	.157	.151	.145	.163	.134	.135	.126	.145
123	EAR LENGTH	.169	.157	.148	.156	.159	.185	.248	.277	.266	.251
124	EAR BREADTH	.104	.137	.114	.111	.130	.052	.127	.126	.110	.104
125	GRIP STRENGTH	.244	.230	.248	.263	.292	.259	.380	.341	.281	.294
139	STATURE-REPORTED	.724	.652	.648	.616	.846	.332	.364	.316	.287	.318
140	WEIGHT-REPORTED	.458	.388	.435	.424	.493	.569	.815	.785	.780	.772

TABLE XXIV

THE CORRELATION MATRIX FOR AGE AND FULL SAMPLE VARIABLES

		41	42	43	44	45	46	47	48	49	50
1	AGE	.234	.296	.230	.219	.155	.145	.047	.061	-023	.272
2	WEIGHT	.824	.794	.892	.886	.840	.819	.752	.747	.591	.787
3	TRICEPS SKINFOLD	.542	.588	.614	.612	.630	.564	.488	.481	.320	.411
4	SUBSCAPULAR SKINFD	.646	.628	.579	.529	.523	.410	.343	.333	.176	.375
5	SUPRAILIAC SKINFLD	.641	.609	.578	.543	.566	.444	.375	.360	.226	.357
6	MEDIAL CALF SKINFD	.289	.337	.377	.397	.422	.454	.435	.430	.318	.242
7	STATURE	.279	.245	.355	.360	.266	.386	.296	.300	.354	.619
8	STATURE, MAXIMUM	.277	.243	.352	.360	.265	.386	.294	.298	.354	.619
9	CERVICALE HEIGHT	.293	.246	.353	.365	.274	.391	.290	.292	.348	.612
10	ACROMIAL HEIGHT	.313	.267	.370	.375	.283	.393	.292	.295	.343	.638
11	SUPRASTERNALE HGHT	.298	.249	.362	.373	.281	.402	.301	.304	.355	.617
12	BUSTPOINT HEIGHT	.216	.170	.286	.289	.210	.330	.244	.248	.310	.542
13	WAIST HEIGHT	.238	.215	.317	.336	.252	.353	.247	.249	.287	.501
14	ABDOMINAL EXTEN HT	.192	.111	.253	.266	.199	.301	.215	.217	.264	.425
15	TROCHANTERIC H'GHT	.255	.185	.286	.290	.219	.318	.245	.250	.258	.437
16	BUTTOCK HEIGHT	.274	.214	.306	.284	.235	.330	.221	.228	.248	.399
17	GLUTEAL FURROW HGT	.189	.133	.208	.182	.148	.235	.156	.162	.198	.325
18	TIBIALE HEIGHT	.204	.161	.244	.251	.204	.292	.200	.196	.281	.364
19	CROTCH HEIGHT	.221	.147	.236	.246	.192	.298	.203	.206	.244	.365
20	ANKLE HEIGHT	.120	.077	.076	.095	.035	.110	.011	.001	.096	.186
21	LAT'L MALLEOLUS HT	.116	.101	.152	.134	.123	.225	.184	.178	.211	.241
22	SITTING HT,RELAXED	.212	.226	.315	.355	.242	.340	.286	.286	.348	.678
23	SITTING HEIGHT	.236	.246	.345	.383	.269	.366	.312	.313	.377	.706
24	EYE HEIGHT,SITTING	.205	.242	.327	.363	.256	.343	.285	.289	.344	.671
25	MIDSHOULDER HT,SIT	.297	.296	.381	.406	.305	.373	.300	.302	.364	.751
26	WAIST HGHT,SITTING	.201	.311	.330	.379	.309	.296	.220	.225	.240	.490
27	ELBOW REST HEIGHT	.065	.121	.146	.175	.143	.156	.108	.105	.166	.429
28	POPLITEAL HEIGHT	.186	.124	.209	.201	.168	.246	.193	.196	.224	.297
29	BUTTOCK-POPLIT'L L	.389	.349	.479	.477	.423	.438	.306	.309	.251	.441
30	BUTTOCK-KNEE LNGTH	.474	.425	.577	.583	.513	.555	.447	.446	.384	.558
31	ACROMION-RADIALE L	.280	.220	.296	.285	.214	.270	.222	.224	.214	.408
32	RADIALE-STYLION L	.212	.152	.254	.249	.178	.275	.175	.176	.224	.348
33	THUMB-TIP REACH	.292	.229	.290	.284	.219	.305	.250	.246	.254	.389
34	THUMB-TIP,EXTENDED	.273	.209	.300	.304	.239	.308	.264	.276	.251	.425
35	OVERHEAD REACH	.269	.204	.314	.321	.223	.341	.289	.293	.314	.531
36	NECK CIRCUMFERENCE	.538	.447	.498	.473	.417	.436	.395	.389	.343	.485
37	SHOULDER CIRCUMFER	.775	.703	.744	.717	.684	.600	.567	.558	.415	.606
38	CHEST CIRC AT SCYE	.788	.715	.723	.686	.641	.569	.517	.504	.371	.635
39	BUST CIRCUMFERENCE	.796	.737	.722	.674	.642	.557	.489	.477	.340	.623
40	CHEST C BELOW BUST	.792	.718	.706	.661	.624	.558	.520	.514	.384	.602
41	WAIST CIRCUMFERNCE		.810	.800	.722	.683	.603	.528	.518	.377	.600
42	ABDOMINAL EXT CIRC	.810		.828	.764	.716	.609	.517	.516	.356	.597
43	HIP C-7" BLW WAIST	.800	.828		.939	.865	.754	.672	.671	.492	.696
44	HIP C-9" BLW WAIST	.722	.764	.939		.894	.784	.698	.695	.517	.717
45	UPPER THIGH CIRCUM	.683	.716	.865	.894		.780	.709	.702	.498	.619

TABLE XXIV

THE CORRELATION MATRIX FOR AGE AND FULL SAMPLE VARIABLES

		41	42	43	44	45	46	47	48	49	50
46	KNEE CIRCUMFERENCE	.603	.609	.754	.784	.780		.792	.778	.658	.632
47	CALF CIRCUM, RIGHT	.528	.517	.672	.698	.709	.792		.962	.746	.549
48	CALF CIRCUM, LEFT	.518	.516	.671	.695	.702	.778	.962		.736	.544
49	ANKLE CIRCUMFERNCE	.377	.356	.492	.517	.498	.658	.746	.736		.477
50	VERTICAL TRUNK CIR	.600	.597	.696	.717	.619	.632	.549	.544	.477	
51	VERT TRUNK CIR,SIT	.551	.544	.640	.658	.545	.571	.486	.481	.454	.930
52	BUTTOCK CIRC, SIT	.775	.802	.933	.940	.851	.771	.671	.667	.491	.737
53	SCYE CIRCUMFERENCE	.714	.663	.688	.661	.612	.571	.508	.499	.395	.654
54	AXILLARY ARM CIRC	.756	.740	.754	.729	.722	.621	.566	.554	.378	.593
55	BICEPS CIR,RELAX,R	.721	.728	.763	.748	.753	.687	.643	.638	.447	.579
56	BICEPS CIR, FLEX,R	.714	.713	.756	.739	.744	.687	.643	.639	.452	.569
57	BICEPS CIR,RELAX,L	.734	.742	.771	.758	.757	.691	.649	.643	.440	.577
58	BICEPS CIR, FLEX,L	.724	.724	.763	.748	.747	.694	.646	.643	.450	.583
59	ELBOW CIRC, FLEXED	.460	.386	.466	.453	.415	.485	.407	.408	.395	.481
60	FOREARM CIR, RELAX	.683	.618	.710	.691	.675	.721	.687	.677	.582	.591
61	FOREARM CIR,FLEXED	.653	.586	.680	.665	.652	.692	.667	.661	.562	.569
62	WRIST CIRCUMFERNCE	.501	.413	.506	.493	.434	.576	.532	.523	.599	.532
63	BIACROMIAL BREADTH	.382	.314	.382	.396	.320	.357	.348	.350	.336	.417
64	BIDELTOID BREADTH	.739	.679	.725	.710	.674	.597	.553	.541	.411	.591
65	CHEST BREADTH	.683	.627	.634	.592	.546	.486	.453	.448	.336	.548
66	BUSTPT-BUSTPT BRTH	.569	.515	.510	.473	.464	.403	.361	.358	.257	.426
67	WAIST BREADTH	.886	.699	.721	.668	.622	.568	.503	.491	.377	.566
68	HIP BREADTH	.600	.665	.836	.893	.795	.699	.629	.624	.470	.630
69	THIGH-THIGH BR,SIT	.634	.720	.843	.890	.843	.725	.639	.640	.438	.628
70	HUMERAL BREADTH, R	.364	.319	.415	.413	.357	.473	.424	.414	.455	.481
71	HUMERAL BREADTH, L	.374	.321	.417	.414	.360	.481	.427	.421	.461	.485
72	FEMORAL BREADTH, R	.341	.337	.399	.407	.386	.524	.424	.404	.410	.384
73	FEMORAL BREADTH, L	.365	.361	.427	.433	.410	.547	.451	.436	.426	.404
74	CHEST DEPTH	.737	.697	.677	.628	.602	.524	.447	.440	.300	.558
75	WAIST DEPTH	.845	.748	.695	.635	.595	.539	.446	.439	.297	.541
76	ABDOMINAL EXT DPTH	.814	.822	.777	.719	.689	.608	.519	.512	.334	.576
77	BUTTOCK DEPTH	.707	.706	.820	.809	.795	.689	.624	.619	.437	.626
78	THIGH CLEARANCE	.511	.489	.621	.636	.669	.643	.599	.587	.469	.515
79	SHOULDER LENGTH	.159	.136	.180	.215	.165	.197	.211	.210	.224	.234
80	NECK-BUST POINT L	.537	.525	.503	.499	.445	.404	.337	.333	.257	.482
81	STRAP LENGTH	.616	.580	.576	.558	.497	.464	.398	.397	.297	.549
82	INTERSCYE	.529	.480	.482	.448	.405	.367	.341	.337	.253	.376
83	INTERSCYE, MAXIMUM	.484	.464	.478	.471	.418	.403	.344	.340	.304	.425
84	BACK CURVATURE	.595	.546	.555	.516	.471	.431	.415	.408	.296	.446
85	WAIST BACK	.181	.094	.186	.189	.115	.231	.216	.219	.284	.469
86	ANTERIOR WAIST LTH	.388	.305	.352	.332	.292	.340	.299	.293	.297	.557
87	SLEEVE INSEAM	.121	.050	.150	.155	.090	.195	.139	.140	.198	.257
88	SPINE-TO-SCYE LGTH	.366	.336	.352	.335	.307	.309	.267	.259	.231	.321
89	SPINE-TO-ELBOW LTH	.383	.341	.419	.424	.345	.398	.361	.358	.331	.474
90	SPINE-TO-WRIST LTH	.369	.303	.404	.403	.322	.397	.337	.335	.335	.475

TABLE XXIV

THE CORRELATION MATRIX FOR AGE AND FULL SAMPLE VARIABLES

		41	42	43	44	45	46	47	48	49	50
91	HAND LENGTH	.216	.143	.230	.218	.162	.262	.233	.236	.276	.332
92	HAND BREADTH	.272	.233	.282	.274	.239	.325	.321	.321	.374	.334
93	HAND CIRCUMFERENCE	.368	.284	.353	.342	.315	.413	.392	.390	.448	.416
94	FOOT LENGTH	.320	.230	.348	.351	.267	.404	.357	.354	.434	.457
95	FOOT BREADTH	.259	.197	.295	.297	.255	.355	.378	.372	.412	.322
96	HEAD LENGTH	.149	.125	.200	.214	.189	.210	.209	.217	.199	.249
97	HEAD BREADTH	.267	.263	.249	.238	.228	.238	.205	.202	.170	.200
98	HEAD CIRCUMFERENCE	.281	.222	.297	.310	.272	.322	.290	.299	.270	.322
99	TRAGION-TOP HEAD	.142	.113	.150	.154	.123	.182	.164	.162	.151	.196
100	ECTOCANTHUS-TOP HD	.075	.036	.083	.101	.074	.140	.131	.124	.134	.160
101	PRONASALE-TOP HEAD	.034	.015	.063	.085	.059	.128	.106	.100	.127	.149
102	SUBNASALE-TOP HEAD	.067	.035	.094	.114	.072	.156	.139	.133	.163	.192
103	STOMION-TOP HEAD	.062	.016	.088	.110	.077	.164	.144	.137	.169	.180
104	MENTON-TOP HEAD	.134	.074	.162	.176	.136	.222	.202	.196	.221	.255
105	TRAGION TO WALL	.150	.094	.165	.160	.134	.160	.126	.126	.113	.192
106	ECTOCANTHUS-WALL	.207	.146	.226	.227	.189	.218	.195	.200	.177	.262
107	PRONASALE TO WALL	.235	.178	.266	.264	.231	.264	.244	.250	.240	.306
108	SUBNASALE TO WALL	.229	.154	.241	.234	.214	.237	.215	.220	.205	.248
109	LIP PROTRUSION-WALL	.213	.125	.209	.195	.187	.199	.180	.186	.159	.192
110	MENTON TO WALL	.280	.214	.267	.247	.241	.222	.196	.199	.160	.214
111	SAGITTAL CURVATURE	.127	.113	.159	.190	.137	.182	.159	.170	.176	.276
112	BITRAGION-CORONAL	.224	.181	.214	.212	.194	.231	.198	.212	.180	.215
113	BIOCULAR BREADTH	.164	.117	.161	.147	.154	.199	.152	.148	.164	.105
114	BIAURICULAR BRDTH	.193	.165	.174	.184	.156	.193	.163	.158	.154	.195
115	BITRAGION BREADTH	.353	.317	.329	.321	.281	.333	.288	.285	.267	.300
116	BIZYGOMATIC BRDTH	.310	.291	.290	.269	.269	.310	.245	.237	.236	.199
117	BIGONIAL BREADTH	.303	.289	.279	.257	.287	.289	.241	.232	.207	.211
118	NASAL BREADTH	.101	-001	.051	.023	.035	.073	.043	.050	.059	.001
119	LIP LENGTH	.050	.012	.027	.005	.026	.039	.025	.031	.042	-008
120	MENTON-SUBNASALE L	.139	.087	.144	.141	.129	.165	.148	.146	.141	.169
121	MENTON-SELLION LTH	.174	.129	.181	.180	.142	.196	.154	.155	.165	.245
122	SUBNASALE-SELLION	.110	.087	.117	.118	.074	.137	.084	.091	.105	.187
123	EAR LENGTH	.249	.234	.242	.229	.180	.209	.166	.173	.171	.269
124	EAR BREADTH	.106	.072	.106	.101	.079	.124	.097	.101	.091	.124
125	GRIP STRENGTH	.258	.196	.257	.257	.239	.259	.266	.269	.263	.291
139	STATURE-REPORTED	.306	.264	.373	.385	.288	.406	.322	.325	.368	.621
140	WEIGHT-REPORTED	.801	.773	.866	.861	.810	.796	.720	.715	.573	.783

TABLE XXIV

THE CORRELATION MATRIX FOR AGE AND FULL SAMPLE VARIABLES

		51	52	53	54	55	56	57	58	59	60
1	AGE	.235	.277	.262	.238	.288	.293	.298	.307	.131	.194
2	WEIGHT	.737	.904	.776	.793	.803	.805	.806	.805	.572	.808
3	TRICEPS SKINFOLD	.354	.597	.495	.667	.717	.692	.709	.685	.301	.559
4	SUBSCAPULAR SKINFD	.323	.549	.533	.681	.632	.606	.634	.608	.280	.484
5	SUPRAILIAC SKINFLD	.327	.551	.487	.637	.585	.565	.582	.564	.299	.479
6	MEDIAL CALF SKINFD	.194	.378	.241	.350	.425	.402	.428	.413	.182	.336
7	STATURE	.679	.380	.365	.164	.141	.163	.136	.156	.411	.309
8	STATURE, MAXIMUM	.681	.381	.365	.165	.140	.162	.135	.154	.411	.308
9	CERVICALE HEIGHT	.674	.388	.374	.174	.149	.170	.144	.165	.416	.315
10	ACROMIAL HEIGHT	.696	.404	.408	.184	.167	.189	.165	.183	.425	.333
11	SUPRASTERNALE HGHT	.672	.399	.386	.191	.170	.193	.164	.184	.430	.338
12	BUSTPOINT HEIGHT	.601	.310	.306	.107	.086	.104	.089	.105	.381	.263
13	WAIST HEIGHT	.561	.361	.342	.146	.120	.139	.122	.139	.383	.275
14	ABDOMINAL EXTEN HT	.490	.282	.285	.083	.060	.087	.058	.081	.370	.236
15	TROCHANTERIC H'GHT	.481	.322	.319	.114	.108	.127	.108	.122	.389	.267
16	BUTTOCK HEIGHT	.457	.322	.324	.145	.116	.142	.115	.136	.375	.262
17	GLUTEAL FURROW HGT	.387	.209	.253	.060	.034	.054	.034	.054	.331	.191
18	TIBIALE HEIGHT	.417	.269	.279	.106	.070	.092	.074	.097	.347	.233
19	CROTCH HEIGHT	.420	.274	.288	.096	.074	.096	.073	.092	.366	.238
20	ANKLE HEIGHT	.204	.107	.160	.092	.034	.036	.046	.058	.161	.103
21	LAT'L MALLEOLUS HT	.275	.142	.166	.102	.083	.098	.074	.092	.217	.171
22	SITTING HT,RELAXED	.741	.361	.317	.183	.155	.167	.144	.155	.307	.272
23	SITTING HEIGHT	.770	.385	.338	.201	.175	.186	.164	.176	.329	.298
24	EYE HEIGHT,SITTING	.731	.367	.320	.191	.162	.174	.150	.163	.296	.264
25	MIDSHOULDER HT,SIT	.818	.416	.393	.241	.220	.231	.216	.225	.326	.327
26	WAIST HGHT,SITTING	.534	.381	.325	.275	.235	.231	.236	.227	.218	.241
27	ELBOW REST HEIGHT	.480	.163	.116	.076	.088	.091	.074	.076	.062	.086
28	POPLITEAL HEIGHT	.351	.226	.241	.079	.058	.084	.051	.075	.324	.221
29	BUTTOCK-POPLIT'L L	.435	.484	.390	.298	.294	.310	.298	.308	.357	.348
30	BUTTOCK-KNEE LNGTH	.556	.593	.484	.375	.382	.398	.380	.393	.460	.469
31	ACROMION-RADIALE L	.450	.319	.373	.150	.109	.133	.114	.127	.349	.256
32	RADIALE-STYLION L	.369	.270	.277	.105	.077	.103	.094	.111	.348	.222
33	THUMB-TIP REACH	.414	.308	.330	.181	.162	.175	.166	.170	.333	.276
34	THUMB-TIP,EXTENDED	.445	.321	.325	.181	.159	.175	.173	.181	.341	.289
35	OVERHEAD REACH	.583	.346	.347	.153	.133	.152	.140	.156	.419	.311
36	NECK CIRCUMFERENCE	.469	.505	.511	.498	.463	.469	.490	.491	.379	.522
37	SHOULDER CIRCUMFER	.564	.736	.741	.801	.758	.764	.764	.760	.510	.749
38	CHEST CIRC AT SCYE	.587	.723	.757	.802	.746	.737	.750	.752	.503	.711
39	BUST CIRCUMFERENCE	.570	.719	.714	.776	.729	.717	.728	.727	.453	.660
40	CHEST C BELOW BUST	.551	.705	.697	.708	.698	.695	.701	.693	.452	.664
41	WAIST CIRCUMFERNCE	.551	.775	.714	.756	.721	.714	.734	.724	.460	.683
42	ABDOMINAL EXT CIRC	.544	.802	.663	.740	.728	.713	.742	.724	.386	.618
43	HIP C-7" BLW WAIST	.640	.933	.688	.754	.763	.756	.771	.763	.466	.710
44	HIP C-9" BLW WAIST	.658	.940	.661	.729	.748	.739	.758	.748	.453	.691
45	UPPER THIGH CIRCUM	.545	.851	.612	.722	.753	.744	.757	.747	.415	.675

TABLE XXIV

THE CORRELATION MATRIX FOR AGE AND FULL SAMPLE VARIABLES

		51	52	53	54	55	56	57	58	59	60
46	KNEE CIRCUMFERENCE	.571	.771	.571	.621	.687	.687	.691	.694	.485	.721
47	CALF CIRCUM, RIGHT	.486	.671	.508	.566	.643	.643	.649	.646	.407	.687
48	CALF CIRCUM, LEFT	.481	.667	.499	.554	.638	.639	.643	.643	.408	.677
49	ANKLE CIRCUMFERNCE	.454	.491	.395	.378	.447	.452	.440	.450	.395	.582
50	VERTICAL TRUNK CIR	.930	.737	.654	.593	.579	.569	.577	.583	.481	.591
51	VERT TRUNK CIR,SIT		.681	.610	.522	.495	.491	.491	.498	.459	.532
52	BUTTOCK CIRC, SIT	.681		.693	.739	.753	.746	.765	.760	.480	.701
53	SCYE CIRCUMFERENCE	.610	.693		.808	.739	.734	.720	.723	.537	.726
54	AXILLARY ARM CIRC	.522	.739	.808		.891	.869	.872	.865	.477	.763
55	BICEPS CIR,RELAX,R	.495	.753	.739	.891		.970	.952	.943	.515	.820
56	BICEPS CIR, FLEX,R	.491	.746	.734	.869	.970		.942	.947	.553	.834
57	BICEPS CIR,RELAX,L	.491	.765	.720	.872	.952	.942		.975	.494	.799
58	BICEPS CIR, FLEX,L	.498	.760	.723	.865	.943	.947	.975		.538	.802
59	ELBOW CIRC, FLEXED	.459	.480	.537	.477	.515	.553	.494	.538		.643
60	FOREARM CIR, RELAX	.532	.701	.726	.763	.820	.834	.799	.802	.643	
61	FOREARM CIR,FLEXED	.514	.676	.703	.732	.792	.813	.769	.784	.754	.930
62	WRIST CIRCUMFERNCE	.524	.506	.580	.499	.506	.532	.480	.497	.560	.702
63	BIACROMIAL BREADTH	.416	.402	.370	.351	.303	.315	.319	.335	.361	.415
64	BIDELTOID BREADTH	.546	.717	.708	.784	.736	.737	.752	.746	.478	.712
65	CHEST BREADTH	.510	.627	.617	.627	.609	.609	.614	.610	.401	.598
66	BUSTPT-BUSTPT BRTH	.391	.516	.492	.529	.501	.504	.503	.503	.339	.479
67	WAIST BREADTH	.534	.708	.659	.668	.641	.634	.645	.644	.439	.638
68	HIP BREADTH	.594	.844	.549	.607	.637	.622	.647	.638	.380	.577
69	THIGH-THIGH BR,SIT	.576	.873	.566	.659	.703	.683	.713	.700	.346	.589
70	HUMERAL BREADTH, R	.494	.419	.465	.370	.394	.419	.375	.401	.482	.580
71	HUMERAL BREADTH, L	.495	.421	.475	.371	.406	.435	.396	.424	.501	.580
72	FEMORAL BREADTH, R	.383	.414	.372	.332	.358	.369	.341	.359	.342	.434
73	FEMORAL BREADTH, L	.401	.440	.397	.350	.381	.393	.368	.384	.356	.461
74	CHEST DEPTH	.510	.671	.647	.702	.678	.673	.674	.663	.388	.595
75	WAIST DEPTH	.482	.712	.634	.682	.661	.653	.664	.654	.389	.593
76	ABDOMINAL EXT DPTH	.506	.782	.647	.717	.716	.701	.721	.707	.376	.616
77	BUTTOCK DEPTH	.546	.814	.627	.706	.712	.705	.718	.703	.416	.651
78	THIGH CLEARANCE	.470	.618	.525	.532	.545	.561	.537	.540	.433	.575
79	SHOULDER LENGTH	.247	.197	.137	.141	.110	.109	.111	.119	.204	.197
80	NECK-BUST POINT L	.455	.531	.493	.502	.475	.477	.462	.470	.290	.423
81	STRAP LENGTH	.519	.593	.568	.576	.548	.553	.547	.551	.359	.512
82	INTERSCYE	.364	.473	.446	.479	.457	.455	.460	.461	.301	.456
83	INTERSCYE, MAXIMUM	.435	.489	.490	.456	.419	.433	.420	.427	.324	.454
84	BACK CURVATURE	.442	.539	.528	.527	.508	.513	.512	.501	.317	.506
85	WAIST BACK	.533	.188	.186	.066	.073	.090	.062	.074	.252	.208
86	ANTERIOR WAIST LTH	.533	.348	.364	.332	.309	.319	.297	.307	.308	.349
87	SLEEVE INSEAM	.305	.169	.151	-019	-055	-029	-027	-022	.275	.131
88	SPINE-TO-SCYE LGTH	.329	.364	.367	.352	.333	.336	.322	.334	.263	.372
89	SPINE-TO-ELBOW LTH	.506	.443	.444	.316	.277	.295	.286	.289	.381	.415
90	SPINE-TO-WRIST LTH	.508	.426	.441	.274	.237	.261	.249	.258	.429	.410

TABLE XXIV

THE CORRELATION MATRIX FOR AGE AND FULL SAMPLE VARIABLES

		51	52	53	54	55	56	57	58	59	60
91	HAND LENGTH	.367	.243	.291	.105	.113	.155	.090	.116	.370	.307
92	HAND BREADTH	.337	.297	.378	.260	.271	.307	.245	.272	.362	.435
93	HAND CIRCUMFERENCE	.401	.358	.494	.391	.390	.424	.347	.385	.480	.566
94	FOOT LENGTH	.490	.376	.367	.186	.183	.208	.185	.204	.414	.380
95	FOOT BREADTH	.315	.305	.296	.203	.212	.232	.217	.229	.327	.362
96	HEAD LENGTH	.243	.220	.191	.143	.164	.179	.157	.168	.238	.241
97	HEAD BREADTH	.187	.244	.218	.227	.218	.213	.215	.213	.132	.238
98	HEAD CIRCUMFERENCE	.296	.315	.258	.227	.233	.245	.241	.241	.260	.327
99	TRAGION-TOP HEAD	.186	.162	.153	.101	.123	.119	.112	.108	.164	.160
100	ECTOCANTHUS-TOP HD	.143	.102	.110	.047	.076	.084	.072	.072	.168	.133
101	PRONASALE-TOP HEAD	.143	.083	.096	.030	.056	.068	.058	.059	.149	.118
102	SUBNASALE-TOP HEAD	.184	.111	.118	.053	.070	.080	.075	.073	.170	.146
103	STOMION-TOP HEAD	.172	.111	.117	.042	.062	.075	.064	.065	.190	.152
104	MENTON-TOP HEAD	.241	.181	.181	.098	.115	.131	.117	.118	.237	.227
105	TRAGION TO WALL	.173	.162	.171	.142	.130	.132	.136	.139	.151	.173
106	ECTOCANTHUS-WALL	.235	.233	.225	.189	.191	.194	.196	.197	.217	.259
107	PRONASALE TO WALL	.278	.276	.259	.213	.225	.231	.222	.228	.265	.301
108	SUBNASALE TO WALL	.223	.243	.231	.197	.201	.205	.197	.203	.236	.276
109	LIP PROTRUSION-WALL	.166	.208	.203	.176	.178	.183	.170	.179	.210	.241
110	MENTON TO WALL	.186	.263	.259	.255	.251	.245	.245	.249	.217	.286
111	SAGITTAL CURVATURE	.267	.190	.177	.133	.128	.132	.133	.133	.178	.189
112	BITRAGION-CORONAL	.213	.226	.199	.171	.188	.197	.191	.186	.179	.240
113	BIOCULAR BREADTH	.111	.164	.150	.108	.141	.161	.122	.140	.194	.212
114	BIAURICULAR BRDTH	.185	.189	.165	.143	.155	.151	.154	.141	.121	.192
115	BITRAGION BREADTH	.286	.331	.312	.295	.302	.308	.301	.301	.240	.360
116	BIZYGOMATIC BRDTH	.196	.276	.259	.259	.255	.270	.252	.256	.230	.315
117	BIGONIAL BREADTH	.192	.284	.266	.285	.284	.299	.270	.280	.197	.322
118	NASAL BREADTH	-031	.048	.075	.054	.049	.073	.049	.066	.138	.137
119	LIP LENGTH	-015	.038	.044	.018	.014	.035	-002	.019	.074	.066
120	MENTON-SUBNASALE L	.153	.156	.152	.100	.121	.137	.115	.121	.172	.184
121	MENTON-SELLION LTH	.234	.203	.182	.135	.138	.162	.143	.158	.212	.219
122	SUBNASALE-SELLION	.182	.131	.104	.084	.095	.108	.099	.107	.117	.142
123	EAR LENGTH	.240	.250	.249	.230	.246	.249	.252	.259	.214	.229
124	EAR BREADTH	.114	.115	.112	.089	.101	.110	.103	.107	.129	.124
125	GRIP STRENGTH	.293	.263	.358	.279	.284	.321	.268	.296	.351	.424
139	STATURE-REPORTED	.677	.407	.393	.203	.178	.200	.173	.193	.421	.338
140	WEIGHT-REPORTED	.739	.878	.759	.766	.774	.778	.777	.777	.559	.781

TABLE XXIV

THE CORRELATION MATRIX FOR AGE AND FULL SAMPLE VARIABLES

		61	62	63	64	65	66	67	68	69	70
1	AGE	.175	.102	.149	.227	.231	.158	.146	.194	.273	.137
2	WEIGHT	.779	.646	.495	.798	.701	.586	.768	.770	.783	.538
3	TRICEPS SKINFOLD	.537	.308	.149	.529	.402	.357	.469	.530	.591	.202
4	SUBSCAPULAR SKINFD	.466	.273	.156	.556	.472	.415	.535	.425	.476	.118
5	SUPRAILIAC SKINFLD	.472	.312	.140	.530	.423	.440	.573	.444	.480	.197
6	MEDIAL CALF SKINFD	.322	.179	.031	.254	.186	.158	.263	.364	.414	.098
7	STATURE	.307	.453	.456	.302	.278	.211	.329	.348	.239	.486
8	STATURE, MAXIMUM	.307	.455	.456	.301	.280	.210	.331	.348	.241	.488
9	CERVICALE HEIGHT	.315	.450	.452	.304	.276	.215	.343	.349	.247	.483
10	ACROMIAL HEIGHT	.327	.452	.417	.322	.314	.235	.359	.350	.256	.484
11	SUPRASTERNALE HGHT	.335	.462	.454	.318	.291	.239	.344	.350	.247	.496
12	BUSTPOINT HEIGHT	.262	.395	.412	.241	.232	.154	.266	.276	.170	.438
13	WAIST HEIGHT	.272	.398	.409	.273	.242	.211	.293	.318	.212	.442
14	ABDOMINAL EXTEN HT	.242	.367	.386	.219	.196	.179	.256	.253	.136	.428
15	TROCHANTERIC H'GHT	.264	.366	.401	.252	.228	.196	.295	.276	.175	.396
16	BUTTOCK HEIGHT	.265	.371	.363	.264	.231	.213	.320	.251	.168	.385
17	GLUTEAL FURROW HGT	.197	.298	.341	.182	.166	.150	.241	.175	.070	.345
18	TIBIALE HEIGHT	.242	.349	.361	.239	.194	.176	.255	.237	.134	.385
19	CROTCH HEIGHT	.241	.358	.380	.223	.208	.181	.277	.225	.130	.392
20	ANKLE HEIGHT	.103	.182	.188	.136	.075	.045	.145	.091	.041	.154
21	LAT'L MALLEOLUS HT	.168	.265	.161	.124	.105	.119	.122	.102	.070	.303
22	SITTING HT,RELAXED	.266	.401	.374	.270	.248	.162	.259	.355	.283	.416
23	SITTING HEIGHT	.291	.427	.384	.289	.277	.167	.277	.379	.309	.440
24	EYE HEIGHT,SITTING	.260	.398	.339	.266	.275	.160	.234	.371	.303	.418
25	MIDSHOULDER HT,SIT	.310	.407	.323	.315	.294	.161	.338	.386	.340	.399
26	WAIST HGHT,SITTING	.231	.265	.198	.275	.273	.167	.158	.359	.353	.275
27	ELBOW REST HEIGHT	.083	.122	-083	.064	.107	.008	.080	.187	.203	.144
28	POPLITEAL HEIGHT	.223	.353	.327	.206	.155	.168	.249	.181	.085	.357
29	BUTTOCK-POPLIT'L L	.341	.339	.344	.369	.320	.278	.376	.426	.355	.359
30	BUTTOCK-KNEE LNGTH	.461	.460	.423	.460	.395	.338	.469	.527	.450	.451
31	ACROMION-RADIALE L	.257	.378	.357	.280	.268	.243	.302	.266	.178	.376
32	RADIALE-STYLION L	.225	.342	.366	.219	.193	.160	.238	.226	.126	.336
33	THUMB-TIP REACH	.277	.389	.369	.288	.192	.201	.342	.252	.173	.353
34	THUMB-TIP,EXTENDED	.280	.366	.376	.281	.280	.188	.281	.302	.231	.365
35	OVERHEAD REACH	.313	.421	.460	.306	.277	.210	.310	.313	.210	.436
36	NECK CIRCUMFERENCE	.494	.444	.388	.528	.462	.340	.508	.396	.390	.335
37	SHOULDER CIRCUMFER	.722	.566	.581	.890	.769	.560	.719	.606	.615	.455
38	CHEST CIRC AT SCYE	.689	.532	.474	.828	.766	.581	.715	.570	.594	.421
39	BUST CIRCUMFERENCE	.636	.485	.370	.758	.734	.720	.706	.551	.600	.387
40	CHEST C BELOW BUST	.636	.503	.397	.742	.750	.558	.728	.541	.575	.408
41	WAIST CIRCUMFERNCE	.653	.501	.382	.739	.683	.569	.886	.600	.634	.364
42	ABDOMINAL EXT CIRC	.586	.413	.314	.679	.627	.515	.699	.665	.720	.319
43	HIP C-7" BLW WAIST	.680	.506	.382	.725	.634	.510	.721	.836	.843	.415
44	HIP C-9" BLW WAIST	.665	.493	.396	.710	.592	.473	.668	.893	.890	.413
45	UPPER THIGH CIRCUM	.652	.434	.320	.674	.546	.464	.622	.795	.843	.357

TABLE XXIV

THE CORRELATION MATRIX FOR AGE AND FULL SAMPLE VARIABLES

		61	62	63	64	65	66	67	68	69	70
46	KNEE CIRCUMFERENCE	.692	.576	.357	.597	.486	.403	.568	.699	.725	.473
47	CALF CIRCUM, RIGHT	.667	.532	.348	.553	.453	.361	.503	.629	.639	.424
48	CALF CIRCUM, LEFT	.661	.523	.350	.541	.448	.358	.491	.624	.640	.414
49	ANKLE CIRCUMFERNCE	.562	.599	.336	.411	.336	.257	.377	.470	.438	.455
50	VERTICAL TRUNK CIR	.569	.532	.417	.591	.548	.426	.566	.630	.628	.481
51	VERT TRUNK CIR,SIT	.514	.524	.416	.546	.510	.391	.534	.594	.576	.494
52	BUTTOCK CIRC, SIT	.676	.506	.402	.717	.627	.516	.708	.844	.873	.419
53	SCYE CIRCUMFERENCE	.703	.580	.370	.708	.617	.492	.659	.549	.566	.465
54	AXILLARY ARM CIRC	.732	.499	.351	.784	.627	.529	.668	.607	.659	.370
55	BICEPS CIR,RELAX,R	.792	.506	.303	.736	.609	.501	.641	.637	.703	.394
56	BICEPS CIR, FLEX,R	.813	.532	.315	.737	.609	.504	.634	.622	.683	.419
57	BICEPS CIR,RELAX,L	.769	.480	.319	.752	.614	.503	.645	.647	.713	.375
58	BICEPS CIR, FLEX,L	.784	.497	.335	.746	.610	.503	.644	.638	.700	.401
59	ELBOW CIRC, FLEXED	.754	.560	.361	.478	.401	.339	.439	.380	.346	.482
60	FOREARM CIR, RELAX	.930	.702	.415	.712	.598	.479	.638	.577	.589	.580
61	FOREARM CIR,FLEXED		.683	.401	.685	.570	.455	.608	.557	.567	.552
62	WRIST CIRCUMFERNCE	.683		.415	.528	.456	.369	.494	.408	.356	.618
63	BIACROMIAL BREADTH	.401	.415		.605	.461	.241	.401	.361	.312	.375
64	BIDELTOID BREADTH	.685	.528	.605		.740	.511	.692	.621	.626	.408
65	CHEST BREADTH	.570	.456	.461	.740		.495	.617	.512	.547	.374
66	BUSTPT-BUSTPT BRTH	.455	.369	.241	.511	.495		.486	.376	.421	.306
67	WAIST BREADTH	.608	.494	.401	.692	.617	.486		.576	.580	.375
68	HIP BREADTH	.557	.408	.361	.621	.512	.376	.576		.881	.378
69	THIGH-THIGH BR,SIT	.567	.356	.312	.626	.547	.421	.580	.881		.314
70	HUMERAL BREADTH, R	.552	.618	.375	.408	.374	.306	.375	.378	.314	
71	HUMERAL BREADTH, L	.557	.618	.378	.415	.369	.280	.389	.372	.312	.918
72	FEMORAL BREADTH, R	.423	.455	.247	.329	.371	.260	.318	.383	.353	.483
73	FEMORAL BREADTH, L	.445	.477	.253	.353	.390	.268	.347	.409	.381	.502
74	CHEST DEPTH	.570	.447	.254	.633	.592	.671	.631	.513	.566	.349
75	WAIST DEPTH	.565	.427	.275	.640	.569	.506	.703	.516	.568	.280
76	ABDOMINAL EXT DPTH	.583	.415	.280	.661	.595	.509	.687	.602	.674	.287
77	BUTTOCK DEPTH	.624	.441	.291	.670	.531	.457	.635	.673	.735	.317
78	THIGH CLEARANCE	.558	.486	.322	.531	.479	.356	.484	.547	.496	.420
79	SHOULDER LENGTH	.201	.252	.618	.301	.203	.101	.182	.215	.154	.233
80	NECK-BUST POINT L	.414	.365	.269	.496	.438	.490	.479	.434	.450	.284
81	STRAP LENGTH	.502	.432	.354	.585	.527	.533	.551	.479	.495	.345
82	INTERSCYE	.444	.343	.423	.625	.594	.327	.502	.363	.384	.288
83	INTERSCYE, MAXIMUM	.443	.404	.419	.560	.520	.300	.472	.414	.398	.340
84	BACK CURVATURE	.478	.398	.326	.590	.614	.352	.582	.442	.456	.286
85	WAIST BACK	.209	.326	.279	.141	.137	.094	.226	.203	.142	.321
86	ANTERIOR WAIST LTH	.352	.369	.267	.344	.339	.312	.366	.292	.268	.326
87	SLEEVE INSEAM	.130	.288	.387	.142	.088	.088	.170	.164	.047	.288
88	SPINE-TO-SCYE LGTH	.360	.327	.378	.456	.450	.238	.375	.285	.284	.313
89	SPINE-TO-ELBOW LTH	.395	.464	.591	.490	.423	.293	.412	.398	.329	.434
90	SPINE-TO-WRIST LTH	.393	.491	.582	.451	.394	.276	.408	.374	.287	.464

TABLE XXIV

THE CORRELATION MATRIX FOR AGE AND FULL SAMPLE VARIABLES

		61	62	63	64	65	66	67	68	69	70
91	HAND LENGTH	.306	.486	.365	.235	.218	.192	.259	.196	.109	.464
92	HAND BREADTH	.419	.574	.324	.315	.285	.229	.303	.223	.195	.498
93	HAND CIRCUMFERENCE	.568	.706	.363	.404	.346	.298	.383	.264	.233	.547
94	FOOT LENGTH	.367	.530	.426	.320	.278	.232	.356	.317	.225	.485
95	FOOT BREADTH	.352	.462	.325	.287	.237	.186	.284	.253	.212	.363
96	HEAD LENGTH	.239	.254	.239	.204	.230	.205	.168	.183	.177	.244
97	HEAD BREADTH	.227	.188	.178	.233	.219	.176	.263	.188	.218	.162
98	HEAD CIRCUMFERENCE	.313	.303	.311	.300	.278	.225	.292	.265	.255	.258
99	TRAGION-TOP HEAD	.167	.145	.186	.157	.154	.121	.146	.130	.130	.140
100	ECTOCANTHUS-TOP HD	.143	.127	.178	.112	.114	.081	.082	.079	.074	.129
101	PRONASALE-TOP HEAD	.125	.123	.201	.101	.098	.070	.053	.076	.065	.127
102	SUBNASALE-TOP HEAD	.146	.152	.240	.135	.133	.088	.086	.100	.085	.144
103	STOMION-TOP HEAD	.158	.175	.238	.129	.125	.087	.087	.093	.076	.157
104	MENTON-TOP HEAD	.223	.235	.300	.194	.188	.143	.152	.145	.128	.221
105	TRAGION TO WALL	.156	.140	.169	.166	.137	.157	.122	.111	.105	.122
106	ECTOCANTHUS-WALL	.236	.208	.244	.231	.204	.201	.183	.179	.175	.183
107	PRONASALE TO WALL	.282	.268	.268	.272	.232	.231	.227	.215	.206	.232
108	SUBNASALE TO WALL	.258	.244	.231	.250	.211	.214	.209	.181	.170	.193
109	LIP PROTRUS/N-WALL	.232	.213	.191	.224	.182	.187	.191	.146	.135	.159
110	MENTON TO WALL	.274	.226	.181	.280	.238	.218	.248	.183	.187	.178
111	SAGITTAL CURVATURE	.180	.159	.227	.177	.186	.096	.148	.184	.178	.158
112	BITRAGION-CORONAL	.239	.235	.186	.218	.209	.157	.231	.172	.187	.190
113	BIOCULAR BREADTH	.233	.267	.146	.141	.162	.137	.163	.092	.099	.211
114	BIAURICULAR BRDTH	.178	.181	.179	.186	.208	.084	.193	.160	.152	.100
115	BITRAGION BREADTH	.344	.352	.291	.346	.316	.213	.339	.266	.270	.263
116	BIZYGOMATIC BRDTH	.322	.314	.211	.283	.273	.221	.296	.215	.221	.265
117	BIGONIAL BREADTH	.318	.299	.141	.299	.276	.203	.294	.200	.225	.248
118	NASAL BREADTH	.139	.141	.119	.095	.068	.079	.081	-022	-017	.096
119	LIP LENGTH	.074	.121	.067	.052	.057	.067	.071	-004	-010	.102
120	MENTON-SUBNASALE L	.175	.189	.147	.151	.152	.123	.132	.113	.117	.130
121	MENTON-SELLION LTH	.206	.231	.266	.207	.194	.156	.182	.155	.163	.222
122	SUBNASALE-SELLION	.127	.158	.194	.139	.123	.079	.121	.109	.120	.146
123	EAR LENGTH	.215	.212	.187	.245	.213	.192	.224	.196	.198	.129
124	EAR BREADTH	.118	.142	.134	.125	.087	.093	.101	.089	.080	.070
125	GRIP STRENGTH	.424	.399	.334	.341	.307	.207	.280	.207	.198	.368
139	STATURE-REPORTED	.338	.472	.463	.329	.304	.238	.362	.373	.269	.493
140	WEIGHT-REPORTED	.751	.632	.498	.777	.689	.578	.747	.751	.760	.537

TABLE XXIV

THE CORRELATION MATRIX FOR AGE AND FULL SAMPLE VARIABLES

		71	72	73	74	75	76	77	78	79	80
1	AGE	.105	.115	.136	.292	.289	.289	.164	-009	.028	.311
2	WEIGHT	.544	.487	.515	.744	.736	.791	.805	.714	.273	.573
3	TRICEPS SKINFOLD	.214	.282	.299	.511	.498	.573	.598	.419	.038	.363
4	SUBSCAPULAR SKINFD	.115	.206	.220	.611	.608	.637	.577	.329	.032	.406
5	SUPRAILIAC SKINFLD	.198	.239	.250	.577	.566	.594	.537	.416	.040	.421
6	MEDIAL CALF SKINFD	.113	.185	.196	.257	.274	.355	.392	.306	-033	.161
7	STATURE	.491	.338	.346	.227	.192	.208	.238	.431	.365	.265
8	STATURE, MAXIMUM	.494	.342	.350	.229	.192	.208	.239	.436	.366	.266
9	CERVICALE HEIGHT	.493	.344	.352	.245	.210	.225	.250	.447	.373	.271
10	ACROMIAL HEIGHT	.493	.343	.354	.264	.230	.246	.271	.443	.276	.258
11	SUPRASTERNALE HGHT	.501	.349	.356	.255	.218	.231	.264	.454	.353	.258
12	BUSTPOINT HEIGHT	.445	.291	.296	.163	.136	.156	.189	.399	.311	.032
13	WAIST HEIGHT	.446	.308	.316	.235	.181	.210	.243	.443	.335	.224
14	ABDOMINAL EXTEN HT	.434	.287	.294	.174	.109	.117	.173	.413	.325	.162
15	TROCHANTERIC H'GHT	.405	.257	.269	.213	.189	.212	.234	.428	.325	.165
16	BUTTOCK HEIGHT	.402	.287	.297	.235	.206	.237	.246	.441	.277	.200
17	GLUTEAL FURROW HGT	.357	.227	.232	.157	.111	.130	.128	.364	.293	.127
18	TIBIALE HEIGHT	.389	.293	.296	.184	.130	.147	.185	.400	.306	.197
19	CROTCH HEIGHT	.403	.279	.289	.191	.144	.171	.187	.433	.318	.156
20	ANKLE HEIGHT	.170	.110	.097	.102	.084	.079	.074	.106	.126	.131
21	LAT'L MALLEOLUS HT	.295	.262	.266	.130	.089	.097	.088	.230	.077	.107
22	SITTING HT,RELAXED	.414	.298	.302	.178	.157	.151	.196	.283	.297	.288
23	SITTING HEIGHT	.437	.313	.320	.194	.174	.177	.227	.320	.306	.293
24	EYE HEIGHT,SITTING	.406	.330	.333	.190	.153	.171	.204	.334	.290	.299
25	MIDSHOULDER HT,SIT	.414	.268	.281	.239	.249	.243	.284	.310	.229	.304
26	WAIST HGHT,SITTING	.258	.240	.243	.250	.226	.249	.274	.263	.145	.266
27	ELBOW REST HEIGHT	.143	.138	.142	.060	.067	.069	.103	.080	-095	.131
28	POPLITEAL HEIGHT	.362	.239	.250	.165	.127	.129	.149	.381	.257	.132
29	BUTTOCK-POPLIT'L L	.368	.288	.297	.344	.331	.398	.445	.477	.226	.240
30	BUTTOCK-KNEE LNGTH	.460	.357	.371	.417	.397	.473	.544	.591	.301	.311
31	ACROMION-RADIALE L	.385	.279	.292	.258	.222	.225	.198	.372	.249	.223
32	RADIALE-STYLION L	.354	.217	.218	.175	.139	.160	.177	.344	.282	.151
33	THUMB-TIP REACH	.371	.206	.219	.239	.241	.241	.243	.301	.282	.208
34	THUMB-TIP,EXTENDED	.358	.249	.256	.221	.183	.222	.257	.342	.312	.194
35	OVERHEAD REACH	.442	.274	.281	.212	.176	.198	.234	.401	.362	.219
36	NECK CIRCUMFERENCE	.341	.257	.267	.454	.455	.443	.446	.385	.136	.332
37	SHOULDER CIRCUMFER	.456	.371	.396	.702	.670	.685	.671	.567	.316	.515
38	CHEST CIRC AT SCYE	.420	.354	.375	.758	.689	.696	.649	.505	.226	.550
39	BUST CIRCUMFERENCE	.375	.338	.357	.880	.723	.733	.660	.489	.147	.642
40	CHEST C BELOW BUST	.402	.361	.388	.753	.705	.710	.633	.498	.166	.484
41	WAIST CIRCUMFERNCE	.374	.341	.365	.737	.845	.814	.707	.511	.159	.537
42	ABDOMINAL EXT CIRC	.321	.337	.361	.697	.748	.822	.706	.489	.136	.525
43	HIP C-7" BLW WAIST	.417	.399	.427	.677	.695	.777	.820	.621	.180	.503
44	HIP C-9" BLW WAIST	.414	.407	.433	.628	.635	.719	.809	.636	.215	.499
45	UPPER THIGH CIRCUM	.360	.386	.410	.602	.595	.689	.795	.669	.165	.445

TABLE XXIV

THE CORRELATION MATRIX FOR AGE AND FULL SAMPLE VARIABLES

		71	72	73	74	75	76	77	78	79	80
46	KNEE CIRCUMFERENCE	.481	.524	.547	.524	.539	.608	.689	.643	.197	.404
47	CALF CIRCUM, RIGHT	.427	.424	.451	.447	.446	.519	.624	.599	.211	.337
48	CALF CIRCUM, LEFT	.421	.404	.436	.440	.439	.512	.619	.587	.210	.333
49	ANKLE CIRCUMFERNCE	.461	.410	.426	.300	.297	.334	.437	.469	.224	.257
50	VERTICAL TRUNK CIR	.485	.384	.404	.558	.541	.576	.626	.515	.234	.482
51	VERT TRUNK CIR,SIT	.495	.383	.401	.510	.482	.506	.546	.470	.247	.455
52	BUTTOCK CIRC, SIT	.421	.414	.440	.671	.712	.782	.814	.618	.197	.531
53	SCYE CIRCUMFERENCE	.475	.372	.397	.647	.634	.647	.627	.525	.137	.493
54	AXILLARY ARM CIRC	.371	.332	.350	.702	.682	.717	.706	.532	.141	.502
55	BICEPS CIR,RELAX,R	.406	.358	.381	.678	.661	.716	.712	.545	.110	.475
56	BICEPS CIR, FLEX,R	.435	.369	.393	.673	.653	.701	.705	.561	.109	.477
57	BICEPS CIR,RELAX,L	.396	.341	.368	.674	.664	.721	.718	.537	.111	.462
58	BICEPS CIR, FLEX,L	.424	.359	.384	.663	.654	.707	.703	.540	.119	.470
59	ELBOW CIRC, FLEXED	.501	.342	.356	.388	.389	.376	.416	.433	.204	.290
60	FOREARM CIR, RELAX	.580	.434	.461	.595	.593	.616	.651	.575	.197	.423
61	FOREARM CIR,FLEXED	.557	.423	.445	.570	.565	.583	.624	.558	.201	.414
62	WRIST CIRCUMFERNCE	.618	.455	.477	.447	.427	.415	.441	.486	.252	.365
63	BIACROMIAL BREADTH	.378	.247	.253	.254	.275	.280	.291	.322	.618	.269
64	BIDELTOID BREADTH	.415	.329	.353	.633	.640	.661	.670	.531	.301	.496
65	CHEST BREADTH	.369	.371	.390	.592	.569	.595	.531	.479	.203	.438
66	BUSTPT-BUSTPT BRTH	.280	.260	.268	.671	.506	.509	.457	.356	.101	.490
67	WAIST BREADTH	.389	.318	.347	.631	.703	.687	.635	.484	.182	.479
68	HIP BREADTH	.372	.383	.409	.513	.516	.602	.673	.547	.215	.434
69	THIGH-THIGH BR,SIT	.312	.353	.381	.566	.568	.674	.735	.496	.154	.450
70	HUMERAL BREADTH, R	.918	.483	.502	.349	.280	.287	.317	.420	.233	.284
71	HUMERAL BREADTH, L		.465	.486	.333	.289	.289	.314	.420	.229	.276
72	FEMORAL BREADTH, R	.465		.960	.300	.289	.321	.288	.453	.147	.273
73	FEMORAL BREADTH, L	.486	.960		.319	.315	.347	.314	.463	.143	.284
74	CHEST DEPTH	.333	.300	.319		.697	.713	.640	.468	.095	.626
75	WAIST DEPTH	.289	.289	.315	.697		.861	.686	.448	.089	.505
76	ABDOMINAL EXT DPTH	.289	.321	.347	.713	.861		.770	.526	.097	.497
77	BUTTOCK DEPTH	.314	.288	.314	.640	.686	.770		.591	.122	.446
78	THIGH CLEARANCE	.420	.453	.463	.468	.448	.526	.591		.201	.343
79	SHOULDER LENGTH	.229	.147	.143	.095	.089	.097	.122	.201		.288
80	NECK-BUST POINT L	.276	.273	.284	.626	.505	.497	.446	.343	.288	
81	STRAP LENGTH	.337	.297	.312	.658	.557	.544	.511	.385	.226	.900
82	INTERSCYE	.287	.245	.257	.468	.452	.472	.433	.336	.231	.366
83	INTERSCYE, MAXIMUM	.333	.317	.328	.408	.396	.415	.384	.386	.292	.415
84	BACK CURVATURE	.297	.264	.298	.547	.525	.540	.493	.382	.075	.345
85	WAIST BACK	.326	.211	.212	.120	.079	.055	.097	.198	.261	.160
86	ANTERIOR WAIST LTH	.328	.265	.269	.343	.295	.290	.278	.298	.171	.309
87	SLEEVE INSEAM	.299	.166	.168	.083	.044	.060	.101	.268	.373	.082
88	SPINE-TO-SCYE LGTH	.307	.306	.311	.310	.306	.319	.265	.316	.228	.311
89	SPINE-TO-ELBOW LTH	.429	.322	.331	.340	.290	.310	.314	.406	.459	.315
90	SPINE-TO-WRIST LTH	.466	.323	.333	.318	.267	.282	.308	.436	.444	.277

TABLE XXIV

THE CORRELATION MATRIX FOR AGE AND FULL SAMPLE VARIABLES

		71	72	73	74	75	76	77	78	79	80
91	HAND LENGTH	.457	.303	.319	.196	.172	.158	.151	.346	.314	.204
92	HAND BREADTH	.495	.303	.318	.254	.220	.215	.220	.320	.203	.233
93	HAND CIRCUMFERENCE	.546	.369	.383	.319	.306	.285	.296	.392	.197	.274
94	FOOT LENGTH	.496	.336	.350	.266	.246	.253	.274	.412	.346	.254
95	FOOT BREADTH	.372	.208	.225	.177	.202	.220	.252	.297	.206	.121
96	HEAD LENGTH	.245	.187	.194	.180	.128	.147	.178	.236	.172	.131
97	HEAD BREADTH	.149	.178	.179	.232	.225	.239	.176	.179	.063	.204
98	HEAD CIRCUMFERENCE	.260	.201	.211	.237	.234	.247	.292	.314	.214	.193
99	TRAGION-TOP HEAD	.135	.071	.076	.110	.115	.136	.146	.127	.121	.095
100	ECTOCANTHUS-TOP HD	.123	.064	.067	.049	.055	.069	.103	.104	.095	.036
101	PRONASALE-TOP HEAD	.128	.073	.077	.022	.019	.021	.069	.073	.121	.047
102	SUBNASALE-TOP HEAD	.145	.078	.084	.038	.038	.042	.100	.097	.145	.050
103	STOMION-TOP HEAD	.160	.082	.087	.041	.038	.041	.104	.123	.144	.056
104	MENTON-TOP HEAD	.222	.126	.133	.085	.098	.101	.161	.181	.181	.077
105	TRAGION TO WALL	.129	.027	.032	.160	.111	.131	.176	.146	.123	.076
106	ECTOCANTHUS-WALL	.184	.071	.079	.207	.162	.186	.232	.190	.193	.124
107	PRONASALE TO WALL	.227	.121	.134	.250	.188	.213	.255	.241	.208	.160
108	SUBNASALE TO WALL	.193	.093	.102	.235	.184	.207	.250	.238	.183	.125
109	LIP PROTRUSN-WALL	.162	.078	.084	.220	.182	.200	.236	.218	.162	.114
110	MENTON TO WALL	.179	.106	.110	.275	.231	.245	.261	.186	.129	.141
111	SAGITTAL CURVATURE	.147	.109	.109	.112	.117	.128	.161	.149	.150	.124
112	BITRAGION-CORONAL	.190	.153	.157	.192	.197	.205	.208	.219	.104	.176
113	BIOCULAR BREADTH	.208	.236	.247	.152	.143	.128	.105	.198	.076	.128
114	BIAURICULAR BRDTH	.099	.125	.130	.151	.133	.122	.137	.126	.120	.103
115	BITRAGION BREADTH	.256	.250	.270	.287	.297	.278	.240	.239	.139	.230
116	BIZYGOMATIC BRDTH	.259	.292	.309	.246	.267	.240	.177	.251	.081	.208
117	BIGONIAL BREADTH	.240	.305	.325	.290	.297	.267	.201	.261	.025	.242
118	NASAL BREADTH	.095	.055	.055	.057	.120	.088	.076	.119	.079	.036
119	LIP LENGTH	.110	.117	.119	.071	.084	.051	.020	.114	.049	.097
120	MENTON-SUBNASALE L	.143	.115	.128	.133	.117	.130	.150	.173	.087	.082
121	MENTON-SELLION LTH	.213	.163	.190	.152	.155	.153	.124	.155	.162	.162
122	SUBNASALE-SELLION	.139	.103	.123	.103	.098	.086	.056	.063	.121	.143
123	EAR LENGTH	.138	.117	.123	.260	.239	.249	.211	.177	.087	.197
124	EAR BREADTH	.083	.062	.064	.106	.085	.083	.119	.114	.067	.061
125	GRIP STRENGTH	.359	.230	.240	.222	.151	.135	.226	.248	.188	.201
139	STATURE-REPORTED	.496	.350	.357	.260	.216	.233	.268	.446	.362	.286
140	WEIGHT-REPORTED	.542	.488	.514	.726	.715	.763	.769	.695	.280	.567

TABLE XXIV

THE CORRELATION MATRIX FOR AGE AND FULL SAMPLE VARIABLES

		81	82	83	84	85	86	87	88	89	90
1	AGE	.326	.194	.171	.165	.010	.047	-083	.151	.127	.077
2	WEIGHT	.655	.534	.553	.606	.298	.459	.288	.430	.569	.566
3	TRICEPS SKINFOLD	.411	.302	.294	.358	.021	.218	-056	.184	.178	.133
4	SUBSCAPULAR SKINFD	.448	.364	.324	.431	-034	.197	-081	.198	.139	.101
5	SUPRAILIAC SKINFLD	.443	.340	.331	.356	.036	.258	-030	.233	.178	.145
6	MEDIAL CALF SKINFD	.172	.111	.100	.213	.012	.140	-057	.042	.037	.008
7	STATURE	.323	.188	.352	.236	.585	.458	.707	.259	.679	.758
8	STATURE, MAXIMUM	.323	.190	.353	.238	.588	.457	.708	.261	.681	.760
9	CERVICALE HEIGHT	.316	.191	.362	.238	.609	.437	.728	.258	.678	.768
10	ACROMIAL HEIGHT	.306	.204	.355	.270	.556	.436	.701	.264	.662	.756
11	SUPRASTERNALE HGHT	.320	.193	.343	.241	.549	.484	.717	.252	.676	.767
12	BUSTPOINT HEIGHT	.093	.130	.277	.184	.511	.414	.722	.198	.626	.731
13	WAIST HEIGHT	.260	.164	.322	.201	.395	.217	.737	.228	.660	.760
14	ABDOMINAL EXTEN HT	.200	.122	.275	.169	.418	.272	.749	.202	.641	.748
15	TROCHANTERIC H'GHT	.210	.139	.241	.209	.372	.269	.742	.171	.630	.742
16	BUTTOCK HEIGHT	.242	.165	.296	.225	.349	.285	.726	.213	.613	.728
17	GLUTEAL FURROW HGT	.157	.107	.242	.147	.350	.240	.746	.169	.593	.708
18	TIBIALE HEIGHT	.213	.148	.336	.134	.342	.258	.733	.223	.582	.705
19	CROTCH HEIGHT	.185	.135	.276	.173	.373	.265	.775	.190	.629	.753
20	ANKLE HEIGHT	.110	.121	.246	.002	.160	.126	.382	.111	.233	.306
21	LAT'L MALLEOLUS HT	.157	.083	.137	.116	.234	.202	.226	.143	.258	.273
22	SITTING HT,RELAXED	.347	.165	.313	.202	.615	.519	.374	.239	.486	.485
23	SITTING HEIGHT	.357	.194	.320	.230	.657	.531	.389	.245	.499	.501
24	EYE HEIGHT,SITTING	.350	.187	.319	.219	.604	.506	.326	.245	.458	.449
25	MIDSHOULDER HT,SIT	.344	.233	.327	.274	.643	.495	.335	.259	.441	.454
26	WAIST HGHT,SITTING	.299	.180	.275	.199	.097	.118	.151	.180	.294	.276
27	ELBOW REST HEIGHT	.136	.049	.111	.101	.367	.323	-208	.101	-086	-115
28	POPLITEAL HEIGHT	.159	.110	.253	.159	.311	.242	.637	.199	.540	.649
29	BUTTOCK-POPLIT'L L	.286	.226	.311	.274	.241	.250	.567	.207	.535	.615
30	BUTTOCK-KNEE LNGTH	.360	.273	.376	.343	.323	.329	.645	.257	.639	.719
31	ACROMION-RADIALE L	.253	.159	.261	.269	.329	.257	.730	.178	.713	.768
32	RADIALE-STYLION L	.185	.119	.256	.137	.305	.214	.788	.150	.548	.732
33	THUMB-TIP REACH	.243	.223	.278	.225	.338	.250	.679	.243	.598	.689
34	THUMB-TIP,EXTENDED	.227	.159	.279	.195	.316	.245	.634	.175	.549	.640
35	OVERHEAD REACH	.264	.173	.297	.212	.468	.367	.750	.197	.667	.765
36	NECK CIRCUMFERENCE	.452	.368	.394	.389	.209	.271	.213	.259	.350	.381
37	SHOULDER CIRCUMFER	.613	.662	.573	.649	.172	.388	.160	.490	.533	.490
38	CHEST CIRC AT SCYE	.630	.621	.565	.633	.122	.367	.100	.475	.459	.419
39	BUST CIRCUMFERENCE	.700	.574	.498	.625	.114	.397	.072	.422	.399	.363
40	CHEST C BELOW BUST	.556	.548	.504	.652	.162	.386	.101	.411	.419	.392
41	WAIST CIRCUMFERNCE	.616	.529	.484	.595	.181	.388	.121	.366	.383	.369
42	ABDOMINAL EXT CIRC	.580	.480	.464	.546	.094	.305	.050	.336	.341	.303
43	HIP C-7" BLW WAIST	.576	.482	.478	.555	.186	.352	.150	.352	.419	.404
44	HIP C-9" BLW WAIST	.558	.448	.471	.516	.189	.332	.155	.335	.424	.403
45	UPPER THIGH CIRCUM	.497	.405	.418	.471	.115	.292	.090	.307	.345	.322

TABLE XXIV

THE CORRELATION MATRIX FOR AGE AND FULL SAMPLE VARIABLES

		81	82	83	84	85	86	87	88	89	90
46	KNEE CIRCUMFERENCE	.464	.367	.403	.431	.231	.340	.195	.309	.398	.397
47	CALF CIRCUM, RIGHT	.398	.341	.344	.415	.216	.299	.139	.267	.361	.337
48	CALF CIRCUM, LEFT	.397	.337	.340	.408	.219	.293	.140	.259	.358	.335
49	ANKLE CIRCUMFERNCE	.297	.253	.304	.296	.284	.297	.198	.231	.331	.335
50	VERTICAL TRUNK CIR	.549	.376	.425	.446	.469	.557	.257	.321	.474	.475
51	VERT TRUNK CIR,SIT	.519	.364	.435	.442	.533	.533	.305	.329	.506	.508
52	BUTTOCK CIRC, SIT	.593	.473	.489	.539	.188	.348	.169	.364	.443	.426
53	SCYE CIRCUMFERENCE	.568	.446	.490	.528	.186	.364	.151	.367	.444	.441
54	AXILLARY ARM CIRC	.576	.479	.456	.527	.066	.332	-019	.352	.316	.274
55	BICEPS CIR,RELAX,R	.548	.457	.419	.508	.073	.309	-055	.333	.277	.237
56	BICEPS CIR, FLEX,R	.553	.455	.433	.513	.090	.319	-029	.336	.295	.261
57	BICEPS CIR,RELAX,L	.547	.460	.420	.512	.062	.297	-027	.322	.286	.249
58	BICEPS CIR, FLEX,L	.551	.461	.427	.501	.074	.307	-022	.334	.289	.258
59	ELBOW CIRC, FLEXED	.359	.301	.324	.317	.252	.308	.275	.263	.381	.429
60	FOREARM CIR, RELAX	.512	.456	.454	.506	.208	.349	.131	.372	.415	.410
61	FOREARM CIR,FLEXED	.502	.444	.443	.478	.209	.352	.130	.360	.395	.393
62	WRIST CIRCUMFERNCE	.432	.343	.404	.398	.326	.369	.288	.327	.464	.491
63	BIACROMIAL BREADTH	.354	.423	.419	.326	.279	.267	.387	.378	.591	.582
64	BIDELTOID BREADTH	.585	.625	.560	.590	.141	.344	.142	.456	.490	.451
65	CHEST BREADTH	.527	.594	.520	.614	.137	.339	.088	.450	.423	.394
66	BUSTPT-BUSTPT BRTH	.533	.327	.300	.352	.094	.312	.088	.238	.293	.276
67	WAIST BREADTH	.551	.502	.472	.582	.226	.366	.170	.375	.412	.408
68	HIP BREADTH	.479	.363	.414	.442	.203	.292	.164	.285	.398	.374
69	THIGH-THIGH BR,SIT	.495	.384	.398	.456	.142	.268	.047	.284	.329	.287
70	HUMERAL BREADTH, R	.345	.288	.340	.286	.321	.326	.288	.313	.434	.464
71	HUMERAL BREADTH, L	.337	.287	.333	.297	.326	.328	.299	.307	.429	.466
72	FEMORAL BREADTH, R	.297	.245	.317	.264	.211	.265	.166	.306	.322	.323
73	FEMORAL BREADTH, L	.312	.257	.328	.298	.212	.269	.168	.311	.331	.333
74	CHEST DEPTH	.658	.468	.408	.547	.120	.343	.083	.310	.340	.318
75	WAIST DEPTH	.557	.452	.396	.525	.079	.295	.044	.306	.290	.267
76	ABDOMINAL EXT DPTH	.544	.472	.415	.540	.055	.290	.060	.319	.310	.282
77	BUTTOCK DEPTH	.511	.433	.384	.493	.097	.278	.101	.265	.314	.308
78	THIGH CLEARANCE	.385	.336	.386	.382	.198	.298	.268	.316	.406	.436
79	SHOULDER LENGTH	.226	.231	.292	.075	.261	.171	.373	.228	.459	.444
80	NECK-BUST POINT L	.900	.366	.415	.345	.160	.309	.082	.311	.315	.277
81	STRAP LENGTH		.454	.453	.439	.187	.384	.094	.354	.373	.336
82	INTERSCYE	.454		.561	.548	.154	.218	.086	.559	.385	.335
83	INTERSCYE, MAXIMUM	.453	.561		.418	.202	.254	.222	.505	.453	.433
84	BACK CURVATURE	.439	.548	.418		.170	.272	.069	.380	.388	.347
85	WAIST BACK	.187	.154	.202	.170		.452	.352	.162	.357	.381
86	ANTERIOR WAIST LTH	.384	.218	.254	.272	.452		.188	.206	.310	.314
87	SLEEVE INSEAM	.094	.086	.222	.069	.352	.188		.113	.655	.792
88	SPINE-TO-SCYE LGTH	.354	.559	.505	.380	.162	.206	.113		.547	.466
89	SPINE-TO-ELBOW LTH	.373	.385	.453	.388	.357	.310	.655	.547		.935
90	SPINE-TO-WRIST LTH	.336	.335	.433	.347	.381	.314	.792	.466	.935	

TABLE XXIV

THE CORRELATION MATRIX FOR AGE AND FULL SAMPLE VARIABLES

		81	82	83	84	85	86	87	88	89	90
91	HAND LENGTH	.221	.122	.208	.185	.334	.230	.474	.191	.492	.558
92	HAND BREADTH	.272	.202	.273	.257	.246	.226	.256	.242	.378	.414
93	HAND CIRCUMFERENCE	.327	.232	.297	.264	.259	.283	.213	.283	.369	.405
94	FOOT LENGTH	.289	.199	.309	.248	.394	.284	.572	.232	.561	.647
95	FOOT BREADTH	.173	.147	.159	.181	.207	.159	.294	.130	.323	.375
96	HEAD LENGTH	.172	.141	.142	.150	.153	.126	.195	.170	.280	.298
97	HEAD BREADTH	.227	.170	.175	.208	.040	.074	.035	.183	.187	.168
98	HEAD CIRCUMFERENCE	.246	.204	.185	.205	.169	.159	.249	.186	.326	.358
99	TRAGION-TOP HEAD	.122	.126	.080	.047	.113	.096	.168	.079	.185	.202
100	ECTOCANTHUS-TOP HD	.078	.098	.030	.031	.113	.109	.185	.058	.167	.193
101	PRONASALE-TOP HEAD	.089	.079	.065	.022	.110	.105	.184	.076	.186	.207
102	SUBNASALE-TOP HEAD	.103	.102	.074	.047	.143	.130	.227	.077	.216	.247
103	STOMION-TOP HEAD	.105	.089	.067	.037	.146	.135	.238	.082	.222	.257
104	MENTON-TOP HEAD	.147	.137	.093	.092	.177	.169	.260	.116	.285	.324
105	TRAGION TO WALL	.100	.115	.079	.080	.089	.096	.198	.045	.175	.217
106	ECTOCANTHUS-WALL	.156	.148	.103	.118	.128	.117	.242	.084	.249	.289
107	PRONASALE TO WALL	.186	.173	.157	.155	.159	.132	.254	.132	.281	.321
108	SUBNASALE TO WALL	.148	.157	.125	.126	.124	.101	.243	.096	.239	.290
109	LIP PROTRUS/N-WALL	.125	.141	.096	.109	.079	.062	.210	.069	.192	.244
110	MENTON TO WALL	.158	.191	.163	.171	.061	.063	.132	.117	.180	.210
111	SAGITTAL CURVATURE	.151	.141	.143	.096	.178	.114	.204	.108	.233	.254
112	BITRAGION-CORONAL	.206	.159	.155	.150	.134	.098	.147	.130	.223	.232
113	BIOCULAR BREADTH	.151	.118	.183	.111	.087	.081	.130	.177	.195	.220
114	BIAURICULAR BRDTH	.132	.114	.144	.137	.095	.107	.104	.120	.185	.177
115	BITRAGION BREADTH	.279	.230	.255	.265	.099	.127	.126	.226	.291	.289
116	BIZYGOMATIC BRDTH	.257	.184	.247	.248	.076	.134	.084	.224	.234	.236
117	BIGONIAL BREADTH	.268	.225	.258	.252	.058	.124	.000	.244	.182	.163
118	NASAL BREADTH	.058	.066	-005	-001	-011	.005	.120	.030	.061	.119
119	LIP LENGTH	.087	.054	.041	.041	-007	-001	.060	.085	.076	.101
120	MENTON-SUBNASALE L	.112	.074	.054	.079	.100	.089	.119	.073	.162	.187
121	MENTON-SELLION LTH	.205	.141	.164	.125	.154	.129	.151	.161	.247	.266
122	SUBNASALE-SELLION	.163	.098	.150	.097	.126	.073	.095	.100	.154	.165
123	EAR LENGTH	.217	.160	.189	.174	.099	.149	.120	.094	.173	.188
124	EAR BREADTH	.086	.092	.069	.053	.051	.045	.107	.058	.129	.156
125	GRIP STRENGTH	.253	.243	.283	.255	.221	.201	.212	.278	.350	.360
139	STATURE-REPORTED	.340	.210	.367	.267	.580	.450	.696	.267	.684	.760
140	WEIGHT-REPORTED	.648	.526	.562	.592	.313	.454	.303	.435	.581	.579

TABLE XXIV

THE CORRELATION MATRIX FOR AGE AND FULL SAMPLE VARIABLES

		91	92	93	94	95	96	97	98	99	100
1	AGE	.080	.140	.138	.055	.007	.118	.190	.095	.067	.061
2	WEIGHT	.383	.417	.495	.510	.393	.304	.290	.403	.222	.168
3	TRICEPS SKINFOLD	.007	.057	.154	.052	.055	.058	.156	.107	.060	.022
4	SUBSCAPULAR SKINFD	-020	.046	.124	.038	.040	.021	.133	.099	.070	.012
5	SUPRAILIAC SKINFLD	.050	.084	.168	.100	.066	.052	.142	.097	.063	.011
6	MEDIAL CALF SKINFD	-068	.002	.046	-021	.031	.035	.090	.063	.059	.011
7	STATURE	.601	.380	.365	.692	.355	.318	.136	.331	.244	.236
8	STATURE, MAXIMUM	.605	.381	.367	.696	.355	.321	.137	.335	.242	.234
9	CERVICALE HEIGHT	.604	.376	.364	.697	.346	.299	.121	.308	.208	.198
10	ACROMIAL HEIGHT	.592	.376	.368	.684	.349	.298	.134	.311	.206	.197
11	SUPRASTERNALE HGHT	.608	.377	.374	.696	.357	.307	.117	.319	.214	.211
12	BUSTPOINT HEIGHT	.570	.334	.321	.646	.341	.284	.085	.284	.190	.194
13	WAIST HEIGHT	.603	.340	.321	.680	.341	.297	.123	.306	.205	.194
14	ABDOMINAL EXTEN HT	.604	.332	.308	.661	.320	.283	.090	.280	.193	.192
15	TROCHANTERIC H'GHT	.599	.328	.300	.658	.344	.287	.096	.317	.216	.213
16	BUTTOCK HEIGHT	.572	.315	.307	.637	.300	.270	.106	.276	.177	.163
17	GLUTEAL FURROW HGT	.546	.276	.250	.602	.284	.242	.087	.251	.187	.178
18	TIBIALE HEIGHT	.498	.313	.303	.611	.292	.229	.101	.251	.174	.171
19	CROTCH HEIGHT	.585	.328	.300	.664	.311	.280	.089	.294	.191	.190
20	ANKLE HEIGHT	.062	.158	.149	.271	.175	.032	.001	.095	.110	.122
21	LAT'L MALLEOLUS HT	.309	.209	.225	.273	.155	.152	.088	.116	.072	.076
22	SITTING HT,RELAXED	.402	.303	.298	.485	.254	.268	.129	.273	.226	.208
23	SITTING HEIGHT	.414	.320	.319	.509	.271	.275	.136	.294	.232	.211
24	EYE HEIGHT,SITTING	.383	.292	.286	.450	.218	.229	.103	.214	.131	.080
25	MIDSHOULDER HT,SIT	.360	.297	.313	.455	.255	.208	.129	.241	.151	.131
26	WAIST HGHT,SITTING	.196	.163	.165	.270	.138	.140	.105	.134	.084	.061
27	ELBOW REST HEIGHT	.013	.064	.085	.037	.009	.040	.037	.021	-005	-019
28	POPLITEAL HEIGHT	.557	.339	.312	.592	.281	.253	.087	.235	.136	.137
29	BUTTOCK-POPLIT'L L	.447	.264	.264	.524	.288	.249	.111	.293	.177	.160
30	BUTTOCK-KNEE LNGTH	.514	.345	.362	.626	.361	.296	.140	.344	.214	.195
31	ACROMION-RADIALE L	.573	.329	.309	.578	.276	.268	.109	.272	.149	.149
32	RADIALE-STYLION L	.462	.307	.298	.589	.313	.219	.093	.295	.182	.202
33	THUMB-TIP REACH	.523	.354	.345	.591	.327	.220	.137	.273	.215	.197
34	THUMB-TIP,EXTENDED	.455	.308	.284	.533	.315	.244	.085	.310	.182	.168
35	OVERHEAD REACH	.566	.354	.338	.660	.371	.278	.115	.328	.232	.217
36	NECK CIRCUMFERENCE	.187	.365	.351	.324	.265	.179	.278	.335	.180	.125
37	SHOULDER CIRCUMFER	.289	.355	.424	.343	.287	.248	.252	.330	.153	.120
38	CHEST CIRC AT SCYE	.223	.327	.421	.305	.257	.208	.240	.282	.150	.102
39	BUST CIRCUMFERENCE	.191	.287	.367	.277	.206	.204	.255	.273	.142	.083
40	CHEST C BELOW BUST	.223	.313	.379	.304	.243	.204	.262	.273	.144	.094
41	WAIST CIRCUMFERNCE	.216	.272	.368	.320	.259	.149	.267	.281	.142	.075
42	ABDOMINAL EXT CIRC	.143	.233	.284	.230	.197	.125	.263	.222	.113	.036
43	HIP C-7" BLW WAIST	.230	.282	.353	.348	.295	.200	.249	.297	.150	.083
44	HIP C-9" BLW WAIST	.218	.274	.342	.351	.297	.214	.238	.310	.154	.101
45	UPPER THIGH CIRCUM	.162	.239	.315	.267	.255	.189	.228	.272	.123	.074

TABLE XXIV

THE CORRELATION MATRIX FOR AGE AND FULL SAMPLE VARIABLES

		91	92	93	94	95	96	97	98	99	100
46	KNEE CIRCUMFERENCE	.262	.325	.413	.404	.355	.210	.238	.322	.182	.140
47	CALF CIRCUM, RIGHT	.233	.321	.392	.357	.378	.209	.205	.290	.164	.131
48	CALF CIRCUM, LEFT	.236	.321	.390	.354	.372	.217	.202	.299	.162	.124
49	ANKLE CIRCUMFERNCE	.276	.374	.448	.434	.412	.199	.170	.270	.151	.134
50	VERTICAL TRUNK CIR	.332	.334	.416	.457	.322	.249	.200	.322	.196	.160
51	VERT TRUNK CIR,SIT	.367	.337	.401	.490	.315	.243	.187	.296	.186	.143
52	BUTTOCK CIRC, SIT	.243	.297	.358	.376	.305	.220	.244	.315	.162	.102
53	SCYE CIRCUMFERENCE	.291	.378	.494	.367	.296	.191	.218	.258	.153	.110
54	AXILLARY ARM CIRC	.105	.260	.391	.186	.203	.143	.227	.227	.101	.047
55	BICEPS CIR,RELAX,R	.113	.271	.390	.183	.212	.164	.218	.233	.123	.076
56	BICEPS CIR, FLEX,R	.155	.307	.424	.208	.232	.179	.213	.245	.119	.084
57	BICEPS CIR,RELAX,L	.090	.245	.347	.185	.217	.157	.215	.241	.112	.072
58	BICEPS CIR, FLEX,L	.116	.272	.385	.204	.229	.168	.213	.241	.108	.072
59	ELBOW CIRC, FLEXED	.370	.362	.480	.414	.327	.238	.132	.260	.164	.168
60	FOREARM CIR, RELAX	.307	.435	.566	.380	.362	.241	.238	.327	.160	.133
61	FOREARM CIR,FLEXED	.306	.419	.568	.367	.352	.239	.227	.313	.167	.143
62	WRIST CIRCUMFERNCE	.486	.574	.706	.530	.462	.254	.188	.303	.145	.127
63	BIACROMIAL BREADTH	.365	.324	.363	.426	.325	.239	.178	.311	.186	.178
64	BIDELTOID BREADTH	.235	.315	.404	.320	.287	.204	.233	.300	.157	.112
65	CHEST BREADTH	.218	.285	.346	.278	.237	.230	.219	.278	.154	.114
66	BUSTPT-BUSTPT BRTH	.192	.229	.298	.232	.186	.205	.176	.225	.121	.081
67	WAIST BREADTH	.259	.303	.383	.356	.284	.168	.263	.292	.146	.082
68	HIP BREADTH	.196	.223	.264	.317	.253	.183	.188	.265	.130	.079
69	THIGH-THIGH BR,SIT	.109	.195	.233	.225	.212	.177	.218	.255	.130	.074
70	HUMERAL BREADTH, R	.464	.498	.547	.485	.363	.244	.162	.258	.140	.129
71	HUMERAL BREADTH, L	.457	.495	.546	.496	.372	.245	.149	.260	.135	.123
72	FEMORAL BREADTH, R	.303	.303	.369	.336	.208	.187	.178	.201	.071	.064
73	FEMORAL BREADTH, L	.319	.318	.383	.350	.225	.194	.179	.211	.076	.067
74	CHEST DEPTH	.196	.254	.319	.266	.177	.180	.232	.237	.110	.049
75	WAIST DEPTH	.172	.220	.306	.246	.202	.128	.225	.234	.115	.055
76	ABDOMINAL EXT DPTH	.158	.215	.285	.253	.220	.147	.239	.247	.136	.069
77	BUTTOCK DEPTH	.151	.220	.296	.274	.252	.178	.176	.292	.146	.103
78	THIGH CLEARANCE	.346	.320	.392	.412	.297	.236	.179	.314	.127	.104
79	SHOULDER LENGTH	.314	.203	.197	.346	.206	.172	.063	.214	.121	.095
80	NECK-BUST POINT L	.204	.233	.274	.254	.121	.131	.204	.193	.095	.036
81	STRAP LENGTH	.221	.272	.327	.289	.173	.172	.227	.246	.122	.078
82	INTERSCYE	.122	.202	.232	.199	.147	.141	.170	.204	.126	.098
83	INTERSCYE, MAXIMUM	.208	.273	.297	.309	.159	.142	.175	.185	.080	.030
84	BACK CURVATURE	.185	.257	.264	.248	.181	.150	.208	.205	.047	.031
85	WAIST BACK	.334	.246	.259	.394	.207	.153	.040	.169	.113	.113
86	ANTERIOR WAIST LTH	.230	.226	.283	.284	.159	.126	.074	.159	.096	.109
87	SLEEVE INSEAM	.474	.256	.213	.572	.294	.195	.035	.249	.168	.185
88	SPINE-TO-SCYE LGTH	.191	.242	.283	.232	.130	.170	.183	.186	.079	.058
89	SPINE-TO-ELBOW LTH	.492	.378	.369	.561	.323	.280	.187	.326	.185	.167
90	SPINE-TO-WRIST LTH	.558	.414	.405	.647	.375	.298	.168	.358	.202	.193

TABLE XXIV

THE CORRELATION MATRIX FOR AGE AND FULL SAMPLE VARIABLES

		91	92	93	94	95	96	97	98	99	100
91	HAND LENGTH		.487	.481	.714	.380	.316	.133	.314	.188	.176
92	HAND BREADTH	.487		.736	.483	.447	.241	.231	.287	.099	.104
93	HAND CIRCUMFERENCE	.481	.736		.471	.484	.235	.186	.275	.108	.124
94	FOOT LENGTH	.714	.483	.471		.515	.330	.186	.398	.235	.234
95	FOOT BREADTH	.380	.447	.484	.515		.200	.128	.276	.187	.186
96	HEAD LENGTH	.316	.241	.235	.330	.200		.115	.692	.259	.269
97	HEAD BREADTH	.133	.231	.186	.186	.128	.115		.430	.260	.136
98	HEAD CIRCUMFERENCE	.314	.287	.275	.398	.276	.692	.430		.373	.359
99	TRAGION-TOP HEAD	.188	.099	.108	.235	.187	.259	.260	.373		.776
100	ECTOCANTHUS-TOP HD	.176	.104	.124	.234	.186	.269	.136	.359	.776	
101	PRONASALE-TOP HEAD	.179	.105	.121	.224	.156	.291	.117	.339	.600	.861
102	SUBNASALE-TOP HEAD	.205	.131	.132	.273	.195	.302	.123	.379	.640	.880
103	STOMION-TOP HEAD	.239	.143	.155	.297	.226	.336	.096	.400	.645	.866
104	MENTON-TOP HEAD	.309	.230	.212	.368	.281	.395	.165	.465	.656	.812
105	TRAGION TO WALL	.132	.071	.081	.192	.148	.384	.016	.332	.315	.234
106	ECTOCANTHUS-WALL	.213	.168	.167	.285	.232	.533	.086	.492	.375	.305
107	PRONASALE TO WALL	.285	.203	.223	.339	.257	.580	.078	.495	.351	.217
108	SUBNASALE TO WALL	.259	.165	.200	.311	.253	.523	.033	.463	.314	.155
109	LIP PROTRUS/N-WALL	.243	.154	.179	.273	.227	.476	.033	.423	.285	.110
110	MENTON TO WALL	.168	.134	.190	.203	.175	.367	.067	.314	.203	-003
111	SAGITTAL CURVATURE	.139	.223	.153	.241	.190	.454	.232	.594	.344	.361
112	BITRAGION-CORONAL	.236	.162	.192	.279	.205	.270	.420	.542	.524	.407
113	BIOCULAR BREADTH	.286	.131	.250	.265	.177	.208	.213	.257	.126	.148
114	BIAURICULAR BRDTH	.079	.004	.130	.169	.176	.064	.282	.217	.160	.156
115	BITRAGION BREADTH	.229	.275	.301	.267	.186	.158	.586	.408	.152	.112
116	BIZYGOMATIC BRDTH	.249	.295	.305	.236	.138	.113	.497	.299	.103	.031
117	BIGONIAL BREADTH	.210	.218	.294	.177	.122	.124	.337	.213	.028	.014
118	NASAL BREADTH	.229	.241	.205	.214	.215	.199	.175	.306	.152	.171
119	LIP LENGTH	.231	.252	.179	.160	.124	.161	.174	.209	.050	.056
120	MENTON-SUBNASALE L	.195	.111	.155	.237	.204	.259	.025	.226	.187	.151
121	MENTON-SELLION LTH	.270	.230	.220	.297	.216	.311	.174	.273	.159	.085
122	SUBNASALE-SELLION	.190	.193	.143	.209	.128	.176	.195	.178	.074	.006
123	EAR LENGTH	.165	.145	.182	.205	.162	.149	.080	.191	.089	.113
124	EAR BREADTH	.100	.062	.100	.148	.140	.103	-000	.111	.037	.108
125	GRIP STRENGTH	.306	.401	.435	.322	.212	.174	.101	.180	.080	.093
139	STATURE-REPORTED	.608	.397	.380	.693	.361	.310	.143	.329	.237	.224
140	WEIGHT-REPORTED	.394	.411	.477	.520	.378	.310	.286	.400	.208	.162

TABLE XXIV

THE CORRELATION MATRIX FOR AGE AND FULL SAMPLE VARIABLES

		101	102	103	104	105	106	107	108	109	110
1	AGE	.096	.069	.057	.065	.086	.138	.146	.084	.069	.145
2	WEIGHT	.145	.183	.186	.272	.204	.291	.344	.311	.270	.303
3	TRICEPS SKINFOLD	.013	.014	.004	.033	.075	.092	.099	.082	.064	.132
4	SUBSCAPULAR SKINFD	-020	-001	-014	.009	.085	.099	.104	.120	.121	.197
5	SUPRAILIAC SKINFLD	-026	-019	-021	.006	.081	.086	.099	.104	.105	.162
6	MEDIAL CALF SKINFD	-011	.000	-007	.013	.038	.026	.047	.037	.026	.071
7	STATURE	.240	.287	.294	.359	.177	.241	.280	.230	.163	.107
8	STATURE, MAXIMUM	.238	.284	.292	.358	.178	.242	.281	.233	.166	.108
9	CERVICALE HEIGHT	.199	.244	.254	.316	.188	.244	.289	.245	.184	.136
10	ACROMIAL HEIGHT	.195	.241	.247	.315	.188	.243	.287	.245	.185	.146
11	SUPRASTERNALE HGHT	.211	.259	.269	.335	.186	.247	.290	.248	.186	.135
12	BUSTPOINT HEIGHT	.192	.241	.245	.309	.187	.235	.269	.236	.179	.122
13	WAIST HEIGHT	.192	.235	.246	.302	.187	.241	.285	.253	.201	.145
14	ABDOMINAL EXTEN HT	.190	.230	.246	.303	.184	.223	.268	.237	.187	.127
15	TROCHANTERIC H'GHT	.189	.239	.250	.315	.195	.258	.292	.273	.231	.163
16	BUTTOCK HEIGHT	.145	.185	.206	.261	.184	.213	.251	.233	.193	.135
17	GLUTEAL FURROW HGT	.156	.195	.206	.245	.180	.220	.248	.230	.192	.136
18	TIBIALE HEIGHT	.174	.211	.221	.253	.188	.222	.259	.240	.190	.146
19	CROTCH HEIGHT	.176	.217	.236	.289	.194	.244	.269	.257	.217	.146
20	ANKLE HEIGHT	.100	.141	.133	.105	.150	.154	.151	.155	.119	.103
21	LAT'L MALLEOLUS HT	.093	.115	.102	.143	.050	.052	.090	.047	-006	.003
22	SITTING HT,RELAXED	.226	.265	.262	.314	.100	.162	.201	.134	.057	.037
23	SITTING HEIGHT	.227	.269	.265	.320	.115	.184	.221	.154	.078	.054
24	EYE HEIGHT,SITTING	.110	.143	.145	.201	.091	.140	.195	.133	.070	.060
25	MIDSHOULDER HT,SIT	.137	.181	.176	.227	.128	.180	.220	.162	.101	.107
26	WAIST HGHT,SITTING	.074	.100	.086	.109	.066	.101	.125	.086	.043	.066
27	ELBOW REST HEIGHT	-009	.001	.001	.007	-045	-046	-019	-047	-075	-047
28	POPLITEAL HEIGHT	.123	.160	.185	.233	.135	.170	.216	.202	.165	.117
29	BUTTOCK-POPLIT'L L	.151	.179	.191	.248	.213	.255	.279	.274	.242	.209
30	BUTTOCK-KNEE LNGTH	.164	.208	.226	.291	.239	.296	.328	.315	.282	.232
31	ACROMION-RADIALE L	.161	.187	.195	.249	.140	.194	.236	.202	.169	.133
32	RADIALE-STYLION L	.187	.232	.243	.286	.217	.252	.280	.264	.231	.166
33	THUMB-TIP REACH	.189	.222	.235	.292	.186	.235	.270	.240	.208	.170
34	THUMB-TIP,EXTENDED	.156	.198	.196	.250	.203	.262	.278	.261	.232	.172
35	OVERHEAD REACH	.206	.265	.269	.329	.202	.278	.305	.283	.231	.162
36	NECK CIRCUMFERENCE	.087	.159	.145	.237	.183	.264	.262	.250	.216	.213
37	SHOULDER CIRCUMFER	.110	.140	.138	.206	.167	.239	.284	.261	.233	.291
38	CHEST CIRC AT SCYE	.087	.113	.106	.166	.163	.227	.277	.246	.221	.299
39	BUST CIRCUMFERENCE	.063	.083	.080	.134	.165	.213	.264	.236	.214	.287
40	CHEST C BELOW BUST	.076	.101	.094	.154	.138	.197	.244	.212	.187	.263
41	WAIST CIRCUMFERNCE	.034	.067	.062	.134	.150	.207	.235	.229	.213	.280
42	ABDOMINAL EXT CIRC	.015	.035	.016	.074	.094	.146	.178	.154	.125	.214
43	HIP C-7" BLW WAIST	.063	.094	.088	.162	.165	.226	.266	.241	.209	.267
44	HIP C-9" BLW WAIST	.085	.114	.110	.176	.160	.227	.264	.234	.195	.247
45	UPPER THIGH CIRCUM	.059	.072	.077	.136	.134	.189	.231	.214	.187	.241

TABLE XXIV

THE CORRELATION MATRIX FOR AGE AND FULL SAMPLE VARIABLES

		101	102	103	104	105	106	107	108	109	110
46	KNEE CIRCUMFERENCE	.128	.156	.164	.222	.160	.218	.264	.237	.199	.222
47	CALF CIRCUM, RIGHT	.106	.139	.144	.202	.126	.195	.244	.215	.180	.196
48	CALF CIRCUM, LEFT	.100	.133	.137	.196	.126	.200	.250	.220	.186	.199
49	ANKLE CIRCUMFERNCE	.127	.163	.169	.221	.113	.177	.240	.205	.159	.160
50	VERTICAL TRUNK CIR	.149	.192	.180	.255	.192	.262	.306	.248	.192	.214
51	VERT TRUNK CIR,SIT	.143	.184	.172	.241	.173	.235	.278	.223	.166	.186
52	BUTTOCK CIRC, SIT	.083	.111	.111	.181	.162	.233	.276	.243	.208	.263
53	SCYE CIRCUMFERENCE	.096	.118	.117	.181	.171	.225	.259	.231	.203	.259
54	AXILLARY ARM CIRC	.030	.053	.042	.098	.142	.189	.213	.197	.176	.255
55	BICEPS CIR,RELAX,R	.056	.070	.062	.115	.130	.191	.225	.201	.178	.251
56	BICEPS CIR, FLEX,R	.068	.080	.075	.131	.132	.194	.231	.205	.183	.245
57	BICEPS CIR,RELAX,L	.058	.075	.064	.117	.136	.196	.222	.197	.170	.245
58	BICEPS CIR, FLEX,L	.059	.073	.065	.118	.139	.197	.228	.203	.179	.249
59	ELBOW CIRC, FLEXED	.149	.170	.190	.237	.151	.217	.265	.236	.210	.217
60	FOREARM CIR, RELAX	.118	.146	.152	.227	.173	.259	.301	.276	.241	.286
61	FOREARM CIR,FLEXED	.125	.146	.158	.223	.156	.236	.282	.258	.232	.274
62	WRIST CIRCUMFERNCE	.123	.152	.175	.235	.140	.208	.268	.244	.213	.226
63	BIACROMIAL BREADTH	.201	.240	.238	.300	.169	.244	.268	.231	.191	.181
64	BIDELTOID BREADTH	.101	.135	.129	.194	.166	.231	.272	.250	.224	.280
65	CHEST BREADTH	.098	.133	.125	.188	.137	.204	.232	.211	.182	.238
66	BUSTPT-BUSTPT BRTH	.070	.088	.087	.143	.157	.201	.231	.214	.187	.218
67	WAIST BREADTH	.053	.086	.087	.152	.122	.183	.227	.209	.191	.248
68	HIP BREADTH	.076	.100	.093	.145	.111	.179	.215	.181	.146	.183
69	THIGH-THIGH BR,SIT	.065	.085	.076	.128	.105	.175	.206	.170	.135	.187
70	HUMERAL BREADTH, R	.127	.144	.157	.221	.122	.183	.232	.193	.159	.178
71	HUMERAL BREADTH, L	.128	.145	.160	.222	.129	.184	.227	.193	.162	.179
72	FEMORAL BREADTH, R	.073	.078	.082	.126	.027	.071	.121	.093	.078	.106
73	FEMORAL BREADTH, L	.077	.084	.087	.133	.032	.079	.134	.102	.084	.110
74	CHEST DEPTH	.022	.038	.041	.085	.160	.207	.250	.235	.220	.275
75	WAIST DEPTH	.019	.038	.038	.098	.111	.162	.188	.184	.182	.231
76	ABDOMINAL EXT DPTH	.021	.042	.041	.101	.131	.186	.213	.207	.200	.245
77	BUTTOCK DEPTH	.069	.100	.104	.161	.176	.232	.255	.250	.236	.261
78	THIGH CLEARANCE	.073	.097	.123	.181	.146	.190	.241	.238	.218	.186
79	SHOULDER LENGTH	.121	.145	.144	.181	.123	.193	.208	.183	.162	.129
80	NECK-BUST POINT L	.047	.050	.056	.077	.076	.124	.160	.125	.114	.141
81	STRAP LENGTH	.089	.103	.105	.147	.100	.156	.186	.148	.125	.158
82	INTERSCYE	.079	.102	.089	.137	.115	.148	.173	.157	.141	.191
83	INTERSCYE, MAXIMUM	.065	.074	.067	.093	.079	.103	.157	.125	.096	.163
84	BACK CURVATURE	.022	.047	.037	.092	.080	.118	.155	.126	.109	.171
85	WAIST BACK	.110	.143	.146	.177	.089	.128	.159	.124	.079	.061
86	ANTERIOR WAIST LTH	.105	.130	.135	.169	.096	.117	.132	.101	.062	.063
87	SLEEVE INSEAM	.184	.227	.238	.260	.198	.242	.254	.243	.210	.132
88	SPINE-TO-SCYE LGTH	.076	.077	.082	.116	.045	.084	.132	.096	.069	.117
89	SPINE-TO-ELBOW LTH	.186	.216	.222	.285	.175	.249	.281	.239	.192	.180
90	SPINE-TO-WRIST LTH	.207	.247	.257	.324	.217	.289	.321	.290	.244	.210

TABLE XXIV

THE CORRELATION MATRIX FOR AGE AND FULL SAMPLE VARIABLES

		101	102	103	104	105	106	107	108	109	110
91	HAND LENGTH	.179	.205	.239	.309	.132	.213	.285	.259	.243	.168
92	HAND BREADTH	.105	.131	.143	.230	.071	.168	.203	.165	.154	.134
93	HAND CIRCUMFERENCE	.121	.132	.155	.212	.081	.167	.223	.200	.179	.190
94	FOOT LENGTH	.224	.273	.297	.368	.192	.285	.339	.311	.273	.203
95	FOOT BREADTH	.156	.195	.226	.281	.148	.232	.257	.253	.227	.175
96	HEAD LENGTH	.291	.302	.336	.395	.384	.533	.580	.523	.476	.367
97	HEAD BREADTH	.117	.123	.096	.165	.016	.086	.078	.033	.033	.067
98	HEAD CIRCUMFERENCE	.339	.379	.400	.465	.332	.492	.495	.463	.423	.314
99	TRAGION-TOP HEAD	.600	.640	.645	.656	.315	.375	.351	.314	.285	.203
100	ECTOCANTHUS-TOP HD	.861	.880	.866	.812	.234	.305	.217	.155	.110	-003
101	PRONASALE-TOP HEAD		.943	.901	.819	.157	.242	.137	.042	-025	-141
102	SUBNASALE-TOP HEAD	.943		.945	.878	.201	.300	.195	.111	.040	-104
103	STOMION-TOP HEAD	.901	.945		.900	.226	.322	.233	.165	.097	-084
104	MENTON-TOP HEAD	.819	.878	.900		.265	.383	.300	.229	.176	-009
105	TRAGION TO WALL	.157	.201	.226	.265		.860	.731	.739	.716	.618
106	ECTOCANTHUS-WALL	.242	.300	.322	.383	.860		.833	.830	.798	.670
107	PRONASALE TO WALL	.137	.195	.233	.300	.731	.833		.935	.885	.780
108	SUBNASALE TO WALL	.042	.111	.165	.229	.739	.830	.935		.948	.838
109	LIP PROTRUS/N-WALL	-025	.040	.097	.176	.716	.798	.885	.948		.864
110	MENTON TO WALL	-141	-104	-084	-009	.618	.670	.780	.838	.864	
111	SAGITTAL CURVATURE	.333	.371	.356	.407	.210	.341	.299	.254	.224	.135
112	BITRAGION-CORONAL	.349	.363	.382	.405	.122	.202	.198	.176	.162	.109
113	BIOCULAR BREADTH	.183	.157	.196	.169	.029	.056	.115	.111	.095	.105
114	BIAURICULAR BRDTH	.192	.174	.177	.110	.059	.055	.079	.055	.014	.075
115	BITRAGION BREADTH	.137	.155	.149	.191	.041	.160	.161	.140	.114	.160
116	BIZYGOMATIC BRDTH	.045	.064	.080	.134	-029	.069	.079	.066	.062	.085
117	BIGONIAL BREADTH	.038	.018	.046	.050	-050	.012	.040	.037	.036	.094
118	NASAL BREADTH	.130	.160	.164	.243	.128	.235	.224	.247	.302	.204
119	LIP LENGTH	.029	.041	.060	.125	.014	.073	.124	.127	.180	.108
120	MENTON-SUBNASALE L	.115	.141	.247	.388	.165	.214	.198	.211	.210	.050
121	MENTON-SELLION LTH	.152	.175	.227	.417	.131	.204	.260	.197	.166	.040
122	SUBNASALE-SELLION	.146	.150	.117	.199	.024	.081	.187	.100	.047	.010
123	EAR LENGTH	.148	.159	.164	.165	.087	.126	.142	.117	.090	.094
124	EAR BREADTH	.133	.137	.155	.135	.111	.123	.152	.151	.122	.107
125	GRIP STRENGTH	.110	.123	.127	.169	.103	.173	.181	.165	.137	.163
139	STATURE-REPORTED	.227	.273	.281	.346	.180	.245	.287	.238	.178	.129
140	WEIGHT-REPORTED	.152	.188	.193	.277	.198	.285	.336	.301	.257	.289

TABLE XXIV

THE CORRELATION MATRIX FOR AGE AND FULL SAMPLE VARIABLES

		111	112	113	114	115	116	117	118	119	120
1	AGE	.096	.067	.086	.123	.245	.089	.146	.063	.044	.038
2	WEIGHT	.237	.303	.234	.216	.392	.358	.347	.100	.083	.211
3	TRICEPS SKINFOLD	.035	.124	.081	.116	.208	.207	.235	-047	-049	.052
4	SUBSCAPULAR SKINFD	.033	.129	.064	.105	.207	.189	.222	.055	-012	.042
5	SUPRAILIAC SKINFLD	-025	.124	.118	.050	.167	.234	.272	-007	.009	.035
6	MEDIAL CALF SKINFD	.041	.083	-022	.028	.111	.131	.091	-099	-068	-004
7	STATURE	.279	.243	.192	.152	.228	.199	.142	.032	.061	.181
8	STATURE, MAXIMUM	.280	.245	.196	.152	.229	.199	.144	.035	.067	.183
9	CERVICALE HEIGHT	.245	.214	.203	.138	.221	.203	.152	.041	.074	.169
10	ACROMIAL HEIGHT	.242	.219	.194	.146	.237	.206	.158	.040	.064	.176
11	SUPRASTERNALE HGHT	.244	.216	.202	.144	.222	.203	.146	.057	.072	.180
12	BUSTPOINT HEIGHT	.225	.180	.177	.133	.188	.162	.098	.049	.048	.164
13	WAIST HEIGHT	.217	.211	.211	.135	.222	.200	.150	.065	.093	.165
14	ABDOMINAL EXTEN HT	.196	.195	.204	.110	.186	.186	.130	.072	.094	.161
15	TROCHANTERIC H'GHT	.199	.214	.184	.126	.193	.148	.090	.110	.083	.181
16	BUTTOCK HEIGHT	.165	.198	.196	.099	.181	.192	.150	.090	.100	.164
17	GLUTEAL FURROW HGT	.172	.179	.155	.088	.152	.145	.093	.070	.067	.123
18	TIBIALE HEIGHT	.198	.165	.187	.114	.178	.177	.120	.087	.090	.108
19	CROTCH HEIGHT	.196	.197	.198	.100	.174	.172	.112	.114	.105	.167
20	ANKLE HEIGHT	.191	.027	-032	.054	.075	-019	-017	.066	-026	.006
21	LAT'L MALLEOLUS HT	.081	.091	.107	.024	.125	.160	.124	-035	.015	.036
22	SITTING HT,RELAXED	.296	.215	.114	.159	.193	.144	.124	-081	-003	.145
23	SITTING HEIGHT	.311	.232	.116	.165	.204	.146	.128	-066	-006	.155
24	EYE HEIGHT,SITTING	.215	.154	.108	.123	.170	.141	.138	-090	.005	.138
25	MIDSHOULDER HT,SIT	.251	.175	.091	.158	.213	.129	.138	-068	-022	.132
26	WAIST HGHT,SITTING	.144	.097	.079	.111	.160	.115	.128	-075	-022	.059
27	ELBOW REST HEIGHT	.074	.015	.026	.022	.041	.051	.080	-127	-025	.023
28	POPLITEAL HEIGHT	.112	.156	.215	.049	.149	.189	.144	.116	.137	.137
29	BUTTOCK-POPLIT'L L	.170	.212	.209	.115	.197	.192	.143	.137	.114	.169
30	BUTTOCK-KNEE LNGTH	.197	.240	.221	.130	.245	.234	.180	.137	.120	.203
31	ACROMION-RADIALE L	.156	.185	.188	.104	.206	.188	.144	.080	.099	.148
32	RADIALE-STYLION L	.223	.179	.165	.097	.175	.136	.065	.175	.105	.157
33	THUMB-TIP REACH	.162	.181	.161	.107	.210	.177	.134	.138	.091	.142
34	THUMB-TIP,EXTENDED	.230	.187	.104	.125	.176	.088	.072	.123	.038	.158
35	OVERHEAD REACH	.240	.213	.140	.136	.211	.152	.094	.095	.062	.179
36	NECK CIRCUMFERENCE	.312	.229	.044	.065	.367	.317	.202	.217	.130	.114
37	SHOULDER CIRCUMFER	.189	.235	.182	.206	.362	.313	.327	.109	.085	.159
38	CHEST CIRC AT SCYE	.188	.207	.155	.182	.347	.277	.306	.083	.063	.129
39	BUST CIRCUMFERENCE	.152	.213	.153	.159	.309	.273	.306	.067	.063	.128
40	CHEST C BELOW BUST	.153	.204	.166	.200	.340	.299	.325	.053	.060	.116
41	WAIST CIRCUMFERNCE	.127	.224	.164	.193	.353	.310	.303	.101	.050	.139
42	ABDOMINAL EXT CIRC	.113	.181	.117	.165	.317	.291	.289	-001	.012	.087
43	HIP C-7" BLW WAIST	.159	.214	.161	.174	.329	.290	.279	.051	.027	.144
44	HIP C-9" BLW WAIST	.190	.212	.147	.184	.321	.269	.257	.023	.005	.141
45	UPPER THIGH CIRCUM	.137	.194	.154	.156	.281	.269	.287	.035	.026	.129

TABLE XXIV

THE CORRELATION MATRIX FOR AGE AND FULL SAMPLE VARIABLES

		111	112	113	114	115	116	117	118	119	120
46	KNEE CIRCUMFERENCE	.182	.231	.199	.193	.333	.310	.289	.073	.039	.165
47	CALF CIRCUM, RIGHT	.159	.198	.152	.163	.288	.245	.241	.043	.025	.148
48	CALF CIRCUM, LEFT	.170	.212	.148	.158	.285	.237	.232	.050	.031	.146
49	ANKLE CIRCUMFERNCE	.176	.180	.164	.154	.267	.236	.207	.059	.042	.141
50	VERTICAL TRUNK CIR	.276	.215	.105	.195	.300	.199	.211	.001	-008	.169
51	VERT TRUNK CIR,SIT	.267	.213	.111	.185	.286	.196	.192	-031	-015	.153
52	BUTTOCK CIRC, SIT	.190	.226	.164	.189	.331	.276	.284	.048	.038	.156
53	SCYE CIRCUMFERENCE	.177	.199	.150	.165	.312	.259	.266	.075	.044	.152
54	AXILLARY ARM CIRC	.133	.171	.108	.143	.295	.259	.285	.054	.018	.100
55	BICEPS CIR,RELAX,R	.128	.188	.141	.155	.302	.255	.284	.049	.014	.121
56	BICEPS CIR, FLEX,R	.132	.197	.161	.151	.308	.270	.299	.073	.035	.137
57	BICEPS CIR,RELAX,L	.133	.191	.122	.154	.301	.252	.270	.049	-002	.115
58	BICEPS CIR, FLEX,L	.133	.186	.140	.141	.301	.256	.280	.066	.019	.121
59	ELBOW CIRC, FLEXED	.178	.179	.194	.121	.240	.230	.197	.138	.074	.172
60	FOREARM CIR, RELAX	.189	.240	.212	.192	.360	.315	.322	.137	.066	.184
61	FOREARM CIR,FLEXED	.180	.239	.233	.178	.344	.322	.318	.139	.074	.175
62	WRIST CIRCUMFERNCE	.159	.235	.267	.181	.352	.314	.299	.141	.121	.189
63	BIACROMIAL BREADTH	.227	.186	.146	.179	.291	.211	.141	.119	.067	.147
64	BIDELTOID BREADTH	.177	.218	.141	.186	.346	.283	.299	.095	.052	.151
65	CHEST BREADTH	.186	.209	.162	.208	.316	.273	.276	.068	.057	.152
66	BUSTPT-BUSTPT BRTH	.096	.157	.137	.084	.213	.221	.203	.079	.067	.123
67	WAIST BREADTH	.148	.231	.163	.193	.339	.296	.294	.081	.071	.132
68	HIP BREADTH	.184	.172	.092	.160	.266	.215	.200	-022	-004	.113
69	THIGH-THIGH BR,SIT	.178	.187	.099	.152	.270	.221	.225	-017	-010	.117
70	HUMERAL BREADTH, R	.158	.190	.211	.100	.263	.265	.248	.096	.102	.130
71	HUMERAL BREADTH, L	.147	.190	.208	.099	.256	.259	.240	.095	.110	.143
72	FEMORAL BREADTH, R	.109	.153	.236	.125	.250	.292	.305	.055	.117	.115
73	FEMORAL BREADTH, L	.109	.157	.247	.130	.270	.309	.325	.055	.119	.128
74	CHEST DEPTH	.112	.192	.152	.151	.287	.246	.290	.057	.071	.133
75	WAIST DEPTH	.117	.197	.143	.133	.297	.267	.297	.120	.084	.117
76	ABDOMINAL EXT DPTH	.128	.205	.128	.122	.278	.240	.267	.088	.051	.130
77	BUTTOCK DEPTH	.161	.208	.105	.137	.240	.177	.201	.076	.020	.150
78	THIGH CLEARANCE	.149	.219	.198	.126	.239	.251	.261	.119	.114	.173
79	SHOULDER LENGTH	.150	.104	.076	.120	.139	.081	.025	.079	.049	.087
80	NECK-BUST POINT L	.124	.176	.128	.103	.230	.208	.242	.036	.097	.082
81	STRAP LENGTH	.151	.206	.151	.132	.279	.257	.268	.058	.087	.112
82	INTERSCYE	.141	.159	.118	.114	.230	.184	.225	.066	.054	.074
83	INTERSCYE, MAXIMUM	.143	.155	.183	.144	.255	.247	.258	-005	.041	.054
84	BACK CURVATURE	.096	.150	.111	.137	.265	.248	.252	-001	.041	.079
85	WAIST BACK	.178	.134	.087	.095	.099	.076	.058	-011	-007	.100
86	ANTERIOR WAIST LTH	.114	.098	.081	.107	.127	.134	.124	.005	-001	.089
87	SLEEVE INSEAM	.204	.147	.130	.104	.126	.084	.000	.120	.060	.119
88	SPINE-TO-SCYE LGTH	.108	.130	.177	.120	.226	.224	.244	.030	.085	.073
89	SPINE-TO-ELBOW LTH	.233	.223	.195	.185	.291	.234	.182	.061	.076	.162
90	SPINE-TO-WRIST LTH	.254	.232	.220	.177	.289	.236	.163	.119	.101	.187

TABLE XXIV

THE CORRELATION MATRIX FOR AGE AND FULL SAMPLE VARIABLES

		111	112	113	114	115	116	117	118	119	120
91	HAND LENGTH	.139	.236	.286	.079	.229	.249	.210	.229	.231	.195
92	HAND BREADTH	.223	.162	.131	.004	.275	.295	.218	.241	.252	.111
93	HAND CIRCUMFERENCE	.153	.192	.250	.130	.301	.305	.294	.205	.179	.155
94	FOOT LENGTH	.241	.279	.265	.169	.267	.236	.177	.214	.160	.237
95	FOOT BREADTH	.190	.205	.177	.176	.186	.138	.122	.215	.124	.204
96	HEAD LENGTH	.454	.270	.208	.064	.158	.113	.124	.199	.161	.259
97	HEAD BREADTH	.232	.420	.213	.282	.586	.497	.337	.175	.174	.025
98	HEAD CIRCUMFERENCE	.594	.542	.257	.217	.408	.299	.213	.306	.209	.226
99	TRAGION-TOP HEAD	.344	.524	.126	.160	.152	.103	.028	.152	.050	.187
100	ECTOCANTHUS-TOP HD	.361	.407	.148	.156	.112	.031	.014	.171	.056	.151
101	PRONASALE-TOP HEAD	.333	.349	.183	.192	.137	.045	.038	.130	.029	.115
102	SUBNASALE-TOP HEAD	.371	.363	.157	.174	.155	.064	.018	.160	.041	.141
103	STOMION-TOP HEAD	.356	.382	.196	.177	.149	.080	.046	.164	.060	.247
104	MENTON-TOP HEAD	.407	.405	.169	.110	.191	.134	.050	.243	.125	.388
105	TRAGION TO WALL	.210	.122	.029	.059	.041	-029	-050	.128	.014	.165
106	ECTOCANTHUS-WALL	.341	.202	.056	.055	.160	.069	.012	.235	.073	.214
107	PRONASALE TO WALL	.299	.198	.115	.079	.161	.079	.040	.224	.124	.198
108	SUBNASALE TO WALL	.254	.176	.111	.055	.140	.066	.037	.247	.127	.211
109	LIP PROTRUSION-WALL	.224	.162	.095	.014	.114	.062	.036	.302	.180	.210
110	MENTON TO WALL	.135	.109	.105	.075	.160	.085	.094	.204	.108	.050
111	SAGITTAL CURVATURE		.411	-007	.082	.206	.076	.032	.217	.122	.107
112	BITRAGION-CORONAL	.411		.299	.272	.309	.269	.242	.183	.093	.211
113	BIOCULAR BREADTH	-007	.299		.302	.371	.426	.413	.177	.205	.183
114	BIAURICULAR BRDTH	.082	.272	.302		.375	.152	.225	-062	-107	.111
115	BITRAGION BREADTH	.206	.309	.371	.375		.716	.527	.190	.158	.052
116	BIZYGOMATIC BRDTH	.076	.269	.426	.152	.716		.567	.174	.250	.015
117	BIGONIAL BREADTH	.032	.242	.413	.225	.527	.567		.143	.232	.069
118	NASAL BREADTH	.217	.183	.177	-062	.190	.174	.143		.526	.107
119	LIP LENGTH	.122	.093	.205	-107	.158	.250	.232	.526		.070
120	MENTON-SUBNASALE L	.107	.211	.183	.111	.052	.015	.069	.107	.070	
121	MENTON-SELLION LTH	.168	.217	.160	.077	.186	.144	.138	.133	.128	.633
122	SUBNASALE-SELLION	.149	.123	.089	.046	.200	.122	.108	.114	.102	.116
123	EAR LENGTH	.147	.144	.165	.208	.151	.065	.103	.112	.032	.114
124	EAR BREADTH	.000	.051	.153	.109	.107	-012	.048	.087	.004	.119
125	GRIP STRENGTH	.151	.093	.140	.129	.178	.133	.145	.077	.056	.110
139	STATURE-REPORTED	.266	.246	.197	.158	.242	.214	.153	.049	.072	.178
140	WEIGHT-REPORTED	.245	.294	.244	.224	.396	.356	.346	.093	.083	.217

TABLE XXIV

THE CORRELATION MATRIX FOR AGE AND FULL SAMPLE VARIABLES

		121	122	123	124	125	139	140
1	AGE	.189	.259	.271	.137	.150	.055	.254
2	WEIGHT	.264	.165	.280	.139	.361	.560	.973
3	TRICEPS SKINFOLD	.054	.031	.122	.042	.094	.100	.562
4	SUBSCAPULAR SKINFD	.035	.003	.137	.029	.064	.034	.545
5	SUPRAILIAC SKINFLD	.025	-027	.083	.010	.064	.128	.558
6	MEDIAL CALF SKINFD	-024	-011	.069	-019	-022	.035	.332
7	STATURE	.267	.180	.175	.104	.295	.961	.554
8	STATURE, MAXIMUM	.269	.180	.177	.107	.298	.963	.554
9	CERVICALE HEIGHT	.253	.168	.161	.101	.288	.955	.559
10	ACROMIAL HEIGHT	.249	.160	.163	.102	.296	.940	.571
11	SUPRASTERNALE HGHT	.256	.162	.171	.108	.300	.950	.571
12	BUSTPOINT HEIGHT	.222	.132	.140	.101	.253	.898	.476
13	WAIST HEIGHT	.225	.138	.149	.107	.254	.897	.516
14	ABDOMINAL EXTEN HT	.216	.128	.105	.101	.253	.880	.450
15	TROCHANTERIC H'GHT	.224	.118	.142	.118	.237	.839	.473
16	BUTTOCK HEIGHT	.202	.104	.120	.101	.229	.833	.478
17	GLUTEAL FURROW HGT	.158	.080	.088	.066	.215	.803	.381
18	TIBIALE HEIGHT	.179	.125	.117	.105	.247	.773	.426
19	CROTCH HEIGHT	.205	.107	.110	.100	.246	.844	.447
20	ANKLE HEIGHT	.029	.080	.075	.093	.141	.306	.163
21	LAT'L MALLEOLUS HT	.118	.087	.056	.040	.098	.413	.253
22	SITTING HT,RELAXED	.238	.179	.150	.067	.244	.745	.468
23	SITTING HEIGHT	.248	.191	.168	.068	.252	.766	.497
24	EYE HEIGHT,SITTING	.240	.188	.130	.050	.232	.710	.465
25	MIDSHOULDER HT,SIT	.202	.148	.154	.061	.249	.697	.513
26	WAIST HGHT,SITTING	.105	.088	.111	.021	.116	.383	.392
27	ELBOW REST HEIGHT	.053	.057	.015	-046	.035	.185	.163
28	POPLITEAL HEIGHT	.185	.099	.096	.083	.216	.712	.387
29	BUTTOCK-POPLIT'L L	.180	.091	.167	.127	.208	.661	.571
30	BUTTOCK-KNEE LNGTH	.211	.104	.185	.143	.280	.778	.694
31	ACROMION-RADIALE L	.205	.131	.169	.104	.244	.724	.458
32	RADIALE-STYLION L	.193	.124	.157	.137	.230	.652	.388
33	THUMB-TIP REACH	.217	.157	.148	.114	.248	.648	.435
34	THUMB-TIP,EXTENDED	.216	.151	.156	.111	.263	.616	.424
35	OVERHEAD REACH	.222	.145	.159	.130	.292	.846	.493
36	NECK CIRCUMFERENCE	.206	.163	.185	.052	.259	.332	.569
37	SHOULDER CIRCUMFER	.217	.134	.248	.127	.380	.364	.815
38	CHEST CIRC AT SCYE	.182	.135	.277	.126	.341	.316	.785
39	BUST CIRCUMFERENCE	.176	.126	.266	.110	.281	.287	.780
40	CHEST C BELOW BUST	.184	.145	.251	.104	.294	.318	.772
41	WAIST CIRCUMFERNCE	.174	.110	.249	.106	.258	.306	.801
42	ABDOMINAL EXT CIRC	.129	.087	.234	.072	.196	.264	.773
43	HIP C-7" BLW WAIST	.181	.117	.242	.106	.257	.373	.866
44	HIP C-9" BLW WAIST	.180	.118	.229	.101	.257	.385	.861
45	UPPER THIGH CIRCUM	.142	.074	.180	.079	.239	.288	.810

TABLE XXIV

THE CORRELATION MATRIX FOR AGE AND FULL SAMPLE VARIABLES

		121	122	123	124	125	139	140
46	KNEE CIRCUMFERENCE	.196	.137	.209	.124	.259	.406	.796
47	CALF CIRCUM, RIGHT	.154	.084	.166	.097	.266	.322	.720
48	CALF CIRCUM, LEFT	.155	.091	.173	.101	.269	.325	.715
49	ANKLE CIRCUMFERNCE	.165	.105	.171	.091	.263	.368	.573
50	VERTICAL TRUNK CIR	.245	.187	.269	.124	.291	.621	.783
51	VERT TRUNK CIR,SIT	.234	.182	.240	.114	.293	.677	.739
52	BUTTOCK CIRC, SIT	.203	.131	.250	.115	.263	.407	.878
53	SCYE CIRCUMFERENCE	.182	.104	.249	.112	.358	.393	.759
54	AXILLARY ARM CIRC	.135	.084	.230	.089	.279	.203	.766
55	BICEPS CIR,RELAX,R	.138	.095	.246	.101	.284	.178	.774
56	BICEPS CIR, FLEX,R	.162	.108	.249	.110	.321	.200	.778
57	BICEPS CIR,RELAX,L	.143	.099	.252	.103	.268	.173	.777
58	BICEPS CIR, FLEX,L	.158	.107	.259	.107	.296	.193	.777
59	ELBOW CIRC, FLEXED	.212	.117	.214	.129	.351	.421	.559
60	FOREARM CIR, RELAX	.219	.142	.229	.124	.424	.338	.781
61	FOREARM CIR,FLEXED	.206	.127	.215	.118	.424	.338	.751
62	WRIST CIRCUMFERNCE	.231	.158	.212	.142	.399	.472	.632
63	BIACROMIAL BREADTH	.266	.194	.187	.134	.334	.463	.498
64	BIDELTOID BREADTH	.207	.139	.245	.125	.341	.329	.777
65	CHEST BREADTH	.194	.123	.213	.087	.307	.304	.689
66	BUSTPT-BUSTPT BRTH	.156	.079	.192	.093	.207	.238	.578
67	WAIST BREADTH	.182	.121	.224	.101	.280	.362	.747
68	HIP BREADTH	.155	.109	.196	.089	.207	.373	.751
69	THIGH-THIGH BR,SIT	.163	.120	.198	.080	.198	.269	.760
70	HUMERAL BREADTH, R	.222	.146	.129	.070	.368	.493	.537
71	HUMERAL BREADTH, L	.213	.139	.138	.083	.359	.496	.542
72	FEMORAL BREADTH, R	.163	.103	.117	.062	.230	.350	.488
73	FEMORAL BREADTH, L	.190	.123	.123	.064	.240	.357	.514
74	CHEST DEPTH	.152	.103	.260	.106	.222	.260	.726
75	WAIST DEPTH	.155	.098	.239	.085	.151	.216	.715
76	ABDOMINAL EXT DPTH	.153	.086	.249	.083	.135	.233	.763
77	BUTTOCK DEPTH	.124	.056	.211	.119	.226	.268	.769
78	THIGH CLEARANCE	.155	.063	.177	.114	.248	.446	.695
79	SHOULDER LENGTH	.162	.121	.087	.067	.188	.362	.280
80	NECK-BUST POINT L	.162	.143	.197	.061	.201	.286	.567
81	STRAP LENGTH	.205	.163	.217	.086	.253	.340	.648
82	INTERSCYE	.141	.098	.160	.092	.243	.210	.526
83	INTERSCYE, MAXIMUM	.164	.150	.189	.069	.283	.367	.562
84	BACK CURVATURE	.125	.097	.174	.053	.255	.267	.592
85	WAIST BACK	.154	.126	.099	.051	.221	.580	.313
86	ANTERIOR WAIST LTH	.129	.073	.149	.045	.201	.450	.454
87	SLEEVE INSEAM	.151	.095	.120	.107	.212	.696	.303
88	SPINE-TO-SCYE LGTH	.161	.100	.094	.058	.278	.267	.435
89	SPINE-TO-ELBOW LTH	.247	.154	.173	.129	.350	.684	.581
90	SPINE-TO-WRIST LTH	.266	.165	.188	.156	.360	.760	.579

TABLE XXIV

THE CORRELATION MATRIX FOR AGE AND FULL SAMPLE VARIABLES

		121	122	123	124	125	139	140
91	HAND LENGTH	.270	.190	.165	.100	.306	.608	.394
92	HAND BREADTH	.230	.193	.145	.062	.401	.397	.411
93	HAND CIRCUMFERENCE	.220	.143	.182	.100	.435	.380	.477
94	FOOT LENGTH	.297	.209	.205	.148	.322	.693	.520
95	FOOT BREADTH	.216	.128	.162	.140	.212	.361	.378
96	HEAD LENGTH	.311	.176	.149	.103	.174	.310	.310
97	HEAD BREADTH	.174	.195	.080	-000	.101	.143	.286
98	HEAD CIRCUMFERENCE	.273	.178	.191	.111	.180	.329	.400
99	TRAGION-TOP HEAD	.159	.074	.089	.037	.080	.237	.208
100	ECTOCANTHUS-TOP HD	.085	.006	.113	.108	.093	.224	.162
101	PRONASALE-TOP HEAD	.152	.146	.148	.133	.110	.227	.152
102	SUBNASALE-TOP HEAD	.175	.150	.159	.137	.123	.273	.188
103	STOMION-TOP HEAD	.227	.117	.164	.155	.127	.281	.193
104	MENTON-TOP HEAD	.417	.199	.165	.135	.169	.346	.277
105	TRAGION TO WALL	.131	.024	.087	.111	.103	.180	.198
106	ECTOCANTHUS-WALL	.204	.081	.126	.123	.173	.245	.285
107	PRONASALE TO WALL	.260	.187	.142	.152	.181	.287	.336
108	SUBNASALE TO WALL	.197	.100	.117	.151	.165	.238	.301
109	LIP PROTRUS'N-WALL	.166	.047	.090	.122	.137	.178	.257
110	MENTON TO WALL	.040	.010	.094	.107	.163	.129	.289
111	SAGITTAL CURVATURE	.168	.149	.147	.000	.151	.266	.245
112	BITRAGION-CORONAL	.217	.123	.144	.051	.093	.246	.294
113	BIOCULAR BREADTH	.160	.089	.165	.153	.140	.197	.244
114	BIAURICULAR BRDTH	.077	.046	.208	.109	.129	.158	.224
115	BITRAGION BREADTH	.186	.200	.151	.107	.178	.242	.396
116	BIZYGOMATIC BRDTH	.144	.122	.065	-012	.133	.214	.356
117	BIGONIAL BREADTH	.138	.108	.103	.048	.145	.153	.346
118	NASAL BREADTH	.133	.114	.112	.087	.077	.049	.093
119	LIP LENGTH	.128	.102	.032	.004	.056	.072	.083
120	MENTON-SUBNASALE L	.633	.116	.114	.119	.110	.178	.217
121	MENTON-SELLION LTH		.592	.167	.115	.163	.259	.277
122	SUBNASALE-SELLION	.592		.160	.087	.111	.179	.177
123	EAR LENGTH	.167	.160		.288	.172	.179	.293
124	EAR BREADTH	.115	.087	.288		.085	.111	.137
125	GRIP STRENGTH	.163	.111	.172	.085		.309	.363
139	STATURE-REPORTED	.259	.179	.179	.111	.309		.580
140	WEIGHT-REPORTED	.277	.177	.293	.137	.363	.580	

A variety of analyses involving more than two variables requires a knowledge of the correlation coefficients of all pairs of the variables as computed on the same sample. It would be inappropriate, for example, to use correlations as listed in table XXIV along with correlations made over foundation garments, since the first is based on one group of women (the total series) and the second one is based on an overlapping but nonetheless different group. To provide the proper correlation coefficients for use in problems involving the over-foundation-garment measurements, table XXV lists the correlation coefficients for a set of 50 variables, computed on the basis of the data from the 'OFG' subgroup only.

TABLE XXV

CORRELATION COEFFICIENTS BASED ON 'OVER-FOUNDATION GARMENT' SUBSERIES

		2	7	9	10	11	12	13	14	15	16
2	WEIGHT		.517	.525	.540	.536	.441	.479	.409	.449	.439
7	STATURE	.517		.976	.957	.971	.923	.909	.891	.845	.841
9	CERVICALE HEIGHT	.525	.976		.963	.970	.924	.923	.906	.859	.859
10	ACROMIAL HEIGHT	.540	.957	.963		.965	.933	.916	.896	.861	.853
11	SUPRASTERNALE HGHT	.536	.971	.970	.965		.940	.926	.912	.869	.862
12	BUST POINT HEIGHT	.441	.923	.924	.933	.940		.893	.889	.845	.837
13	WAIST HEIGHT	.479	.909	.923	.916	.926	.893		.943	.891	.884
14	ABDOMINAL EXTEN HT	.409	.891	.906	.896	.912	.889	.943		.888	.893
15	TROCHANTERIC HGHT	.449	.845	.859	.861	.869	.845	.891	.888		.880
16	BUTTOCK HEIGHT	.439	.841	.859	.853	.862	.837	.884	.893	.880	
17	GLUTEAL FURROW HGT	.337	.815	.829	.818	.825	.827	.854	.866	.851	.880
18	TIBIALE HEIGHT	.373	.775	.806	.789	.797	.774	.823	.827	.774	.807
19	CROTCH HEIGHT	.406	.840	.868	.855	.873	.851	.904	.914	.894	.902
36	NECK CIRCUMFERENCE	.575	.321	.320	.320	.311	.274	.266	.222	.254	.243
37	SHOULDER CIRCUMFER	.833	.312	.311	.330	.336	.252	.285	.238	.280	.262
38	CHEST CIRC AT SCYE	.804	.274	.274	.302	.292	.213	.249	.190	.228	.228
39	BUST CIRCUMFERENCE	.806	.249	.255	.289	.273	.177	.228	.168	.210	.219
40	CHEST C BELOW BUST	.791	.268	.273	.312	.290	.239	.239	.181	.242	.239
41	WAIST CIRCUMFERNCE	.827	.272	.288	.311	.292	.207	.234	.184	.258	.259
42	ABDOMINAL EXT CIRC	.797	.234	.234	.261	.235	.157	.205	.096	.182	.192
43	HIP C-7" BLW WAIST	.892	.334	.333	.355	.341	.264	.296	.227	.270	.272
44	HIP C-9" BLW WAIST	.884	.344	.350	.364	.359	.274	.321	.245	.282	.257
45	UPPER THIGH CIRCUM	.837	.248	.258	.270	.263	.192	.232	.175	.208	.209
46	KNEE CIRCUMFERENCE	.815	.375	.380	.385	.390	.318	.338	.283	.312	.309
50	VERTICAL TRUNK CIR	.789	.598	.591	.620	.596	.522	.477	.395	.416	.368
52	BUTTOCK CIRC, SIT	.903	.361	.370	.390	.379	.291	.340	.255	.307	.290
63	BIACROMIAL BREADTH	.489	.445	.442	.406	.445	.403	.402	.375	.392	.345
64	BIDELTOID BREADTH	.803	.290	.292	.315	.308	.227	.261	.203	.246	.238
65	CHEST BREADTH	.704	.257	.255	.295	.272	.210	.220	.175	.212	.203
66	BUSTPT-BUSTPT BRTH	.599	.211	.216	.240	.239	.156	.209	.174	.201	.202
67	WAIST BREADTH	.766	.322	.337	.357	.339	.257	.287	.246	.296	.304
68	HIP BREADTH	.770	.328	.329	.335	.331	.253	.298	.226	.261	.218
69	THIGH-THIGH BR,SIT	.784	.224	.232	.247	.234	.156	.196	.115	.168	.142
74	CHEST DEPTH	.751	.216	.235	.258	.244	.156	.223	.159	.208	.218
75	WAIST DEPTH	.742	.189	.208	.229	.213	.129	.180	.101	.193	.195
76	ABDOMINAL EXT DPTH	.799	.202	.220	.241	.222	.149	.204	.106	.211	.220
77	BUTTOCK DEPTH	.802	.221	.236	.261	.247	.175	.230	.153	.226	.219
126	WAIST HEIGHT, OFG	.471	.902	.915	.907	.918	.884	.957	.928	.885	.879
127	ABDOM EXT HGT, OFG	.405	.871	.887	.875	.889	.868	.913	.936	.873	.872
128	WAIST CIRCUM, OFG	.853	.312	.327	.351	.333	.244	.292	.227	.290	.301
129	ABDOM EXT CIRC,OFG	.844	.301	.311	.339	.320	.236	.289	.190	.259	.276
130	HIP C-7" BLW W,OFG	.914	.323	.335	.356	.345	.259	.305	.228	.271	.275
131	HIP C-9" BLW W,OFG	.896	.341	.350	.367	.360	.275	.322	.247	.282	.265
132	WAIST BREADTH, OFG	.778	.344	.354	.375	.356	.283	.318	.266	.327	.319
133	HIP BREADTH, OFG	.818	.363	.363	.375	.368	.289	.328	.260	.278	.256
134	WAIST DEPTH, OFG	.767	.213	.226	.251	.235	.161	.196	.117	.209	.190
135	ABDOM EXT DPTH,OFG	.791	.179	.193	.224	.206	.136	.185	.079	.195	.188
136	BUTTOCK DEPTH, OFG	.861	.232	.247	.272	.262	.181	.239	.148	.214	.214
137	BUTTOCK C, SIT,OFG	.902	.367	.374	.395	.383	.288	.345	.260	.297	.297
138	THI-THI BR,SIT,OFG	.818	.285	.290	.301	.292	.207	.253	.174	.208	.196

TABLE XXV

CORRELATION COEFFICIENTS BASED ON 'OVER-FOUNDATION GARMENT' SUBSERIES

		17	18	19	36	37	38	39	40	41	42
2	WEIGHT	.337	.373	.406	.575	.833	.804	.806	.791	.827	.797
7	STATURE	.815	.775	.840	.321	.312	.274	.249	.268	.272	.234
9	CERVICALE HEIGHT	.829	.806	.868	.320	.311	.274	.255	.273	.288	.234
10	ACROMIAL HEIGHT	.818	.789	.855	.320	.330	.302	.289	.312	.311	.261
11	SUPRASTERNALE HGHT	.825	.797	.873	.311	.336	.292	.273	.290	.292	.235
12	BUST POINT HEIGHT	.827	.774	.851	.274	.252	.213	.177	.239	.207	.157
13	WAIST HEIGHT	.854	.823	.904	.266	.285	.249	.228	.239	.234	.205
14	ABDOMINAL EXTEN HT	.866	.827	.914	.222	.238	.190	.168	.181	.184	.096
15	TROCHANTERIC HGHT	.851	.774	.894	.254	.280	.228	.210	.242	.258	.182
16	BUTTOCK HEIGHT	.880	.807	.902	.243	.262	.228	.219	.239	.259	.192
17	GLUTEAL FURROW HGT		.795	.878	.191	.186	.163	.149	.167	.176	.116
18	TIBIALE HEIGHT	.795		.835	.251	.208	.190	.174	.190	.183	.137
19	CROTCH HEIGHT	.878	.835		.222	.238	.196	.176	.201	.211	.129
36	NECK CIRCUMFERENCE	.191	.251	.222		.510	.515	.499	.486	.534	.442
37	SHOULDER CIRCUMFER	.186	.208	.238	.510		.877	.813	.798	.778	.703
38	CHEST CIRC AT SCYE	.163	.190	.196	.515	.877		.892	.819	.794	.716
39	BUST CIRCUMFERENCE	.149	.174	.176	.499	.813	.892		.835	.803	.738
40	CHEST C BELOW BUST	.167	.190	.201	.486	.798	.819	.835		.796	.722
41	WAIST CIRCUMFERNCE	.176	.183	.211	.534	.778	.794	.803	.796		.812
42	ABDOMINAL EXT CIRC	.116	.137	.129	.442	.703	.716	.738	.722	.812	
43	HIP C-7" BLW WAIST	.176	.209	.205	.494	.744	.723	.724	.708	.798	.830
44	HIP C-9" BLW WAIST	.156	.222	.224	.466	.716	.685	.677	.661	.724	.767
45	UPPER THIGH CIRCUM	.123	.174	.174	.408	.681	.635	.643	.627	.685	.723
46	KNEE CIRCUMFERENCE	.213	.265	.282	.418	.595	.562	.557	.554	.598	.609
50	VERTICAL TRUNK CIR	.295	.334	.330	.484	.609	.640	.632	.604	.612	.606
52	BUTTOCK CIRC, SIT	.179	.233	.248	.500	.737	.721	.720	.704	.779	.807
63	BIACROMIAL BREADTH	.322	.342	.371	.375	.574	.468	.365	.382	.377	.307
64	BIDELTOID BREADTH	.159	.207	.207	.515	.892	.829	.766	.743	.742	.683
65	CHEST BREADTH	.137	.157	.184	.452	.774	.767	.743	.748	.685	.626
66	BUSTPT-BUSTPT BRTH	.140	.162	.174	.339	.565	.592	.726	.567	.577	.519
67	WAIST BREADTH	.228	.237	.267	.505	.717	.717	.713	.724	.889	.703
68	HIP BREADTH	.140	.202	.197	.393	.609	.570	.553	.545	.600	.673
69	THIGH-THIGH BR,SIT	.042	.107	.111	.387	.617	.588	.593	.574	.631	.721
74	CHEST DEPTH	.143	.165	.173	.454	.706	.767	.884	.762	.745	.699
75	WAIST DEPTH	.102	.109	.134	.449	.674	.698	.728	.709	.845	.749
76	ABDOMINAL EXT DPTH	.120	.122	.159	.442	.692	.704	.736	.717	.818	.827
77	BUTTOCK DEPTH	.106	.159	.168	.436	.671	.647	.659	.632	.707	.707
126	WAIST HEIGHT, OFG	.851	.820	.899	.258	.277	.242	.222	.233	.229	.200
127	ABDOM EXT HGT, OFG	.852	.814	.899	.234	.237	.199	.175	.192	.198	.115
128	WAIST CIRCUM, OFG	.200	.211	.242	.513	.782	.790	.809	.801	.927	.809
129	ABDOM EXT CIRC,OFG	.172	.198	.214	.469	.727	.728	.751	.727	.801	.873
130	HIP C-7" BLW W,OFG	.160	.212	.224	.490	.762	.740	.745	.727	.798	.835
131	HIP C-9" BLW W,OFG	.154	.228	.227	.473	.727	.694	.687	.679	.731	.776
132	WAIST BREADTH, OFG	.246	.250	.282	.508	.714	.718	.716	.717	.842	.717
133	HIP BREADTH, OFG	.168	.225	.225	.424	.661	.617	.598	.595	.640	.708
134	WAIST DEPTH, OFG	.108	.113	.145	.484	.695	.721	.742	.715	.845	.762
135	ABDOM EXT DPTH,OFG	.092	.098	.133	.446	.691	.702	.733	.703	.806	.830
136	BUTTOCK DEPTH, OFG	.094	.154	.164	.467	.729	.720	.742	.710	.783	.794
137	BUTTOCK C, SIT,OFG	.179	.234	.248	.478	.732	.717	.722	.712	.769	.815
138	THI-THI BR,SIT,OFG	.098	.162	.162	.394	.643	.612	.618	.602	.654	.739

TABLE XXV

CORRELATION COEFFICIENTS BASED ON 'OVER-FOUNDATION GARMENT' SUBSERIES

		43	44	45	46	50	52	63	64	65	66
2	WEIGHT	.892	.884	.837	.815	.789	.903	.489	.803	.704	.599
7	STATURE	.334	.344	.248	.375	.598	.361	.445	.290	.257	.211
9	CERVICALE HEIGHT	.333	.350	.258	.380	.591	.370	.442	.292	.255	.216
10	ACROMIAL HEIGHT	.355	.364	.270	.385	.620	.390	.406	.315	.295	.240
11	SUPRASTERNALE HGHT	.341	.359	.263	.390	.596	.379	.445	.308	.272	.239
12	BUST POINT HEIGHT	.264	.274	.192	.318	.522	.291	.403	.227	.210	.156
13	WAIST HEIGHT	.296	.321	.232	.338	.477	.340	.402	.261	.220	.209
14	ABDOMINAL EXTEN HT	.227	.245	.175	.283	.395	.255	.375	.203	.175	.174
15	TROCHANTERIC HGHT	.270	.282	.208	.312	.416	.307	.392	.246	.212	.201
16	BUTTOCK HEIGHT	.272	.257	.209	.309	.368	.290	.345	.238	.203	.202
17	GLUTEAL FURROW HGT	.176	.156	.123	.213	.295	.179	.322	.159	.137	.140
18	TIBIALE HEIGHT	.209	.222	.174	.265	.334	.233	.342	.207	.157	.162
19	CROTCH HEIGHT	.205	.224	.174	.282	.330	.248	.371	.207	.184	.174
36	NECK CIRCUMFERENCE	.494	.466	.408	.418	.484	.500	.375	.515	.452	.339
37	SHOULDER CIRCUMFER	.744	.716	.681	.595	.609	.737	.574	.892	.774	.565
38	CHEST CIRC AT SCYE	.723	.685	.635	.562	.640	.721	.468	.829	.767	.592
39	BUST CIRCUMFERENCE	.724	.677	.643	.557	.632	.720	.365	.766	.743	.726
40	CHEST C BELOW BUST	.708	.661	.627	.554	.604	.704	.382	.743	.748	.567
41	WAIST CIRCUMFERNCE	.798	.724	.685	.598	.612	.779	.377	.742	.685	.577
42	ABDOMINAL EXT CIRC	.830	.767	.723	.609	.606	.807	.307	.683	.626	.519
43	HIP C-7" BLW WAIST		.942	.869	.753	.703	.936	.379	.731	.636	.516
44	HIP C-9" BLW WAIST	.942		.894	.781	.719	.941	.401	.715	.598	.480
45	UPPER THIGH CIRCUM	.869	.894		.777	.616	.853	.320	.674	.549	.477
46	KNEE CIRCUMFERENCE	.753	.781	.777		.628	.767	.358	.596	.484	.414
50	VERTICAL TRUNK CIR	.703	.719	.616	.628		.740	.419	.606	.550	.440
52	BUTTOCK CIRC, SIT	.936	.941	.853	.767	.740		.404	.724	.631	.522
63	BIACROMIAL BREADTH	.379	.401	.320	.358	.419	.404		.590	.453	.248
64	BIDELTOID BREADTH	.731	.715	.674	.596	.606	.724	.590		.744	.521
65	CHEST BREADTH	.636	.598	.549	.484	.550	.631	.453	.744		.506
66	BUSTPT-BUSTPT BRTH	.516	.480	.477	.414	.440	.522	.248	.521	.506	
67	WAIST BREADTH	.718	.664	.618	.555	.571	.706	.386	.692	.617	.500
68	HIP BREADTH	.840	.897	.801	.697	.630	.845	.363	.626	.522	.375
69	THIGH-THIGH BR,SIT	.847	.892	.846	.727	.628	.875	.320	.634	.552	.415
74	CHEST DEPTH	.680	.631	.605	.525	.561	.670	.249	.647	.603	.680
75	WAIST DEPTH	.696	.637	.598	.543	.553	.715	.273	.644	.571	.514
76	ABDOMINAL EXT DPTH	.783	.728	.696	.612	.584	.789	.284	.670	.594	.513
77	BUTTOCK DEPTH	.824	.810	.794	.683	.633	.814	.285	.674	.531	.465
126	WAIST HEIGHT, OFG	.294	.313	.225	.332	.469	.330	.395	.252	.219	.205
127	ABDOM EXT HGT, OFG	.226	.241	.170	.274	.389	.250	.369	.215	.184	.164
128	WAIST CIRCUM, OFG	.801	.743	.700	.621	.638	.802	.386	.751	.694	.579
129	ABDOM EXT CIRC,OFG	.849	.812	.753	.656	.653	.851	.357	.706	.633	.543
130	HIP C-7" BLW W,OFG	.960	.948	.873	.767	.706	.951	.386	.754	.649	.535
131	HIP C-9" BLW W,OFG	.946	.976	.894	.784	.716	.947	.398	.724	.605	.490
132	WAIST BREADTH, OFG	.734	.686	.631	.566	.606	.727	.412	.688	.651	.486
133	HIP BREADTH, OFG	.877	.917	.823	.729	.674	.872	.392	.659	.559	.400
134	WAIST DEPTH, OFG	.730	.679	.625	.570	.609	.744	.313	.665	.606	.519
135	ABDOM EXT DPTH,OFG	.793	.753	.707	.613	.609	.805	.295	.669	.596	.508
136	BUTTOCK DEPTH, OFG	.882	.866	.824	.716	.685	.882	.325	.708	.625	.530
137	BUTTOCK C, SIT,OFG	.925	.922	.839	.754	.719	.950	.392	.719	.634	.521
138	THI-THI BR,SIT,OFG	.867	.905	.857	.742	.655	.886	.329	.645	.554	.441

TABLE XXV

CORRELATION COEFFICIENTS BASED ON 'OVER-FOUNDATION GARMENT' SUBSERIES

		67	68	69	74	75	76	77	126	127	128
2	WEIGHT	.766	.770	.784	.751	.742	.799	.802	.471	.405	.853
7	STATURE	.322	.328	.224	.216	.189	.202	.221	.902	.871	.312
9	CERVICALE HEIGHT	.337	.329	.232	.235	.208	.220	.236	.915	.887	.327
10	ACROMIAL HEIGHT	.357	.335	.247	.258	.229	.241	.261	.907	.875	.351
11	SUPRASTERNALE HGHT	.339	.331	.234	.244	.213	.222	.247	.918	.889	.333
12	BUST POINT HEIGHT	.257	.253	.156	.156	.129	.149	.175	.884	.868	.244
13	WAIST HEIGHT	.287	.298	.196	.223	.180	.204	.230	.957	.913	.292
14	ABDOMINAL EXTEN HT	.246	.226	.115	.159	.101	.106	.153	.928	.936	.227
15	TROCHANTERIC HGHT	.296	.261	.168	.208	.193	.211	.226	.885	.873	.290
16	BUTTOCK HEIGHT	.304	.218	.142	.218	.195	.220	.219	.879	.872	.301
17	GLUTEAL FURROW HGT	.228	.140	.042	.143	.102	.120	.106	.851	.852	.200
18	TIBIALE HEIGHT	.237	.202	.107	.165	.109	.122	.159	.820	.814	.211
19	CROTCH HEIGHT	.267	.197	.111	.173	.134	.159	.168	.899	.899	.242
36	NECK CIRCUMFERENCE	.505	.393	.387	.454	.449	.442	.436	.258	.234	.513
37	SHOULDER CIRCUMFER	.717	.609	.617	.706	.674	.692	.671	.277	.237	.782
38	CHEST CIRC AT SCYE	.717	.570	.588	.767	.698	.704	.647	.242	.199	.790
39	BUST CIRCUMFERENCE	.713	.553	.593	.884	.728	.736	.659	.222	.175	.809
40	CHEST C BELOW BUST	.724	.545	.574	.762	.709	.717	.632	.233	.192	.801
41	WAIST CIRCUMFERNCE	.889	.600	.631	.745	.845	.818	.707	.229	.198	.927
42	ABDOMINAL EXT CIRC	.703	.673	.721	.699	.749	.827	.707	.200	.115	.809
43	HIP C-7" BLW WAIST	.718	.840	.847	.680	.696	.783	.824	.294	.226	.801
44	HIP C-9" BLW WAIST	.664	.897	.892	.631	.637	.728	.810	.313	.241	.743
45	UPPER THIGH CIRCUM	.618	.801	.846	.605	.598	.696	.794	.225	.170	.700
46	KNEE CIRCUMFERENCE	.555	.697	.727	.525	.543	.612	.683	.332	.274	.621
50	VERTICAL TRUNK CIR	.571	.630	.628	.561	.553	.584	.633	.469	.389	.638
52	BUTTOCK CIRC, SIT	.706	.845	.875	.670	.715	.789	.814	.330	.250	.802
63	BIACROMIAL BREADTH	.386	.363	.320	.249	.273	.284	.285	.395	.369	.386
64	BIDELTOID BREADTH	.692	.626	.634	.647	.644	.670	.674	.252	.215	.751
65	CHEST BREADTH	.617	.522	.552	.603	.571	.594	.531	.219	.184	.694
66	BUSTPT-BUSTPT BRTH	.500	.375	.415	.680	.514	.513	.465	.205	.164	.579
67	WAIST BREADTH		.570	.574	.638	.703	.692	.630	.275	.254	.832
68	HIP BREADTH	.570		.887	.516	.518	.610	.677	.289	.222	.623
69	THIGH-THIGH BR,SIT	.574	.887		.557	.568	.677	.739	.186	.117	.656
74	CHEST DEPTH	.638	.516	.557		.701	.719	.642	.214	.163	.754
75	WAIST DEPTH	.703	.518	.568	.701		.861	.680	.168	.117	.846
76	ABDOMINAL EXT DPTH	.692	.610	.677	.719	.861		.770	.196	.116	.828
77	BUTTOCK DEPTH	.630	.677	.739	.642	.680	.770		.219	.156	.723
126	WAIST HEIGHT, OFG	.275	.289	.186	.214	.168	.196	.219		.928	.269
127	ABDOM EXT HGT, OFG	.254	.222	.117	.163	.117	.116	.156	.928		.229
128	WAIST CIRCUM, OFG	.832	.623	.656	.754	.846	.828	.723	.269	.229	
129	ABDOM EXT CIRC,OFG	.716	.710	.750	.716	.734	.826	.741	.273	.147	.827
130	HIP C-7" BLW W,OFG	.724	.853	.866	.701	.714	.804	.833	.288	.218	.825
131	HIP C-9" BLW W,OFG	.670	.887	.891	.641	.649	.741	.823	.315	.247	.760
132	WAIST BREADTH, OFG	.817	.592	.609	.654	.687	.698	.645	.282	.258	.894
133	HIP BREADTH, OFG	.598	.917	.880	.553	.555	.646	.707	.326	.254	.666
134	WAIST DEPTH, OFG	.685	.559	.608	.709	.888	.841	.702	.177	.127	.869
135	ABDOM EXT DPTH,OFG	.670	.628	.702	.711	.810	.900	.771	.168	.048	.816
136	BUTTOCK DEPTH, OFG	.675	.728	.790	.713	.752	.843	.882	.229	.148	.798
137	BUTTOCK C, SIT,OFG	.698	.827	.857	.681	.713	.791	.794	.338	.258	.805
138	THI-THI BR,SIT,OFG	.600	.865	.928	.586	.591	.693	.737	.250	.175	.679

TABLE XXV

CORRELATION COEFFICIENTS BASED ON 'OVER-FOUNDATION GARMENT' SUBSERIES

		129	130	131	132	133	134	135	136	137	138
2	WEIGHT	.844	.914	.896	.778	.818	.767	.791	.861	.902	.818
7	STATURE	.301	.323	.341	.344	.363	.213	.179	.232	.367	.285
9	CERVICALE HEIGHT	.311	.335	.350	.354	.363	.226	.193	.247	.374	.290
10	ACROMIAL HEIGHT	.339	.356	.367	.375	.375	.251	.224	.272	.395	.301
11	SUPRASTERNALE HGHT	.320	.345	.360	.356	.368	.235	.206	.262	.383	.292
12	BUST POINT HEIGHT	.236	.259	.275	.283	.289	.161	.136	.181	.288	.207
13	WAIST HEIGHT	.289	.305	.322	.318	.328	.196	.185	.239	.345	.253
14	ABDOMINAL EXTEN HT	.190	.228	.247	.266	.260	.117	.079	.148	.260	.174
15	TROCHANTERIC HGHT	.259	.271	.282	.327	.278	.209	.195	.214	.297	.208
16	BUTTOCK HEIGHT	.276	.275	.265	.319	.256	.190	.188	.214	.297	.196
17	GLUTEAL FURROW HGT	.172	.160	.154	.246	.168	.108	.092	.094	.179	.098
18	TIBIALE HEIGHT	.198	.212	.228	.250	.225	.113	.098	.154	.234	.162
19	CROTCH HEIGHT	.214	.224	.227	.282	.225	.145	.133	.164	.248	.162
36	NECK CIRCUMFERENCE	.469	.490	.473	.508	.424	.484	.446	.467	.478	.394
37	SHOULDER CIRCUMFER	.727	.762	.727	.714	.661	.695	.691	.729	.732	.643
38	CHEST CIRC AT SCYE	.728	.740	.694	.718	.617	.721	.702	.720	.717	.612
39	BUST CIRCUMFERENCE	.751	.745	.687	.716	.598	.742	.733	.742	.722	.618
40	CHEST C BELOW BUST	.727	.727	.679	.717	.595	.715	.703	.710	.712	.602
41	WAIST CIRCUMFERNCE	.801	.798	.731	.842	.640	.845	.806	.783	.769	.654
42	ABDOMINAL EXT CIRC	.873	.835	.776	.717	.708	.762	.830	.794	.815	.739
43	HIP C-7" BLW WAIST	.849	.960	.946	.734	.877	.730	.793	.882	.925	.867
44	HIP C-9" BLW WAIST	.812	.948	.976	.686	.917	.679	.753	.866	.922	.905
45	UPPER THIGH CIRCUM	.753	.873	.894	.631	.823	.625	.707	.824	.839	.857
46	KNEE CIRCUMFERENCE	.656	.767	.784	.566	.729	.570	.613	.716	.754	.742
50	VERTICAL TRUNK CIR	.653	.706	.716	.606	.674	.609	.609	.685	.719	.655
52	BUTTOCK CIRC, SIT	.851	.951	.947	.727	.872	.744	.805	.882	.950	.886
63	BIACROMIAL BREADTH	.357	.386	.398	.412	.392	.313	.295	.325	.392	.329
64	BIDELTOID BREADTH	.706	.754	.724	.688	.659	.665	.669	.708	.719	.645
65	CHEST BREADTH	.633	.649	.605	.651	.559	.606	.596	.625	.634	.554
66	BUSTPT-BUSTPT BRTH	.543	.535	.490	.486	.400	.519	.508	.530	.521	.441
67	WAIST BREADTH	.716	.724	.670	.817	.598	.685	.670	.675	.698	.600
68	HIP BREADTH	.710	.853	.887	.592	.917	.559	.628	.728	.827	.865
69	THIGH-THIGH BR,SIT	.750	.866	.891	.609	.880	.608	.702	.790	.857	.928
74	CHEST DEPTH	.716	.701	.641	.654	.553	.709	.711	.713	.681	.586
75	WAIST DEPTH	.734	.714	.649	.687	.555	.888	.810	.752	.713	.591
76	ABDOMINAL EXT DPTH	.826	.804	.741	.698	.646	.841	.900	.843	.791	.693
77	BUTTOCK DEPTH	.741	.833	.823	.645	.707	.702	.771	.882	.794	.737
126	WAIST HEIGHT, OFG	.273	.288	.315	.282	.326	.177	.168	.229	.338	.250
127	ABDOM EXT HGT, OFG	.147	.218	.247	.258	.254	.127	.048	.148	.258	.175
128	WAIST CIRCUM, OFG	.827	.825	.760	.894	.666	.869	.816	.798	.805	.679
129	ABDOM EXT CIRC,OFG		.890	.826	.743	.750	.761	.869	.830	.858	.769
130	HIP C-7" BLW W,OFG	.890		.967	.750	.888	.744	.821	.899	.952	.887
131	HIP C-9" BLW W,OFG	.826	.967		.691	.922	.685	.754	.872	.944	.912
132	WAIST BREADTH, OFG	.743	.750	.691		.636	.747	.719	.714	.721	.620
133	HIP BREADTH, OFG	.750	.888	.922	.636		.602	.672	.775	.869	.900
134	WAIST DEPTH, OFG	.761	.744	.685	.747	.602		.857	.802	.728	.625
135	ABDOM EXT DPTH,OFG	.869	.821	.754	.719	.672	.857		.877	.789	.716
136	BUTTOCK DEPTH, OFG	.830	.899	.872	.714	.775	.802	.877		.868	.808
137	BUTTOCK C, SIT,OFG	.858	.952	.944	.721	.869	.728	.789	.868		.893
138	THI-THI BR,SIT,OFG	.769	.887	.912	.620	.900	.625	.716	.808	.893	

SECTION XI

REGRESSION EQUATIONS

The equations we described in introducing the correlation coefficient, that is, the equations for estimating the value of one variable from that of a second, are known as regression equations. In this section we present the (simple) regression equations for estimating one of the anthropometric measures from another for all pairs of measurements for which the correlation between the two measurements is at least as high—in absolute value—as 0.316.

These equations are of the form:

$$Y^1 = a + bX$$

where X is the value of the variable being used to predict or estimate the other variable and Y^1 is the resulting estimate. The parameters *a* and *b* are chosen so that the estimates Y^1 are the most accurate in the traditional statistical sense of least-squares.

The organization of table XXVI has been dictated to some extent by consideration of space. Equations based on correlation coefficients of less than 0.316 were deemed, for reasons explained in section X, to be of too little predictive value to justify their inclusion. Equations could be and, ideally, probably should be grouped both in terms of the predicting and the predicted variable. We have limited our presentation to groupings of the equations by the predicted variables. Thus all equations for predicting weight are listed together at the top of this table, followed shortly by all equations for estimating stature as a group, and so forth. The reader who wishes to obtain the equations for estimating each of a number of variables in terms of, say, cervicale height will, unfortunately, have to look in the groups of equations corresponding to each of the variables to be estimated. An ideal presentation might also include presenting all the equations in English units as well as metric units. Table XXVI, however, presents the equations only in metric units. An exception is made for equations involving weight and a procedure for easily converting the equations to English units is discussed below.

The parameters *a* and *b* of a regression equation are frequently designated as its constant term and the slope, respectively. In table XXVI, this notation is used with *CONST* serving as an abbreviation for *constant term*. The values designated as X in this table are the Visual Index number of the predictor variables.

The first few lines from the seventh group of equations in table XXVI can be used to illustrate the table:

EQUATIONS FOR ESTIMATING STATURE — No. 7

X	*SLOPE*	*CONST*	*S.E.*	*X*	*SLOPE*	*CONST*	*S.E.*	*X*	*SLOPE*	*CONST*	*S.E.*
2	0.425	137.57	5.08	8	0.995	0.17	0.38	9	1.063	14.14	1.28
10	1.051	23.52	1.70	11	1.102	16.64	1.39	12	1.067	35.86	2.26
13	1.219	39.86	2.44	14	1.218	48.64	2.65	15	1.198	63.06	3.14
16	1.222	61.64	3.19	17	1.251	71.15	3.39	18	1.987	78.68	3.71
19	1.265	67.86	3.17	21	4.355	132.60	5.43	22	1.445	40.32	3.74
23	1.517	32.25	3.60	24	1.447	55.45	4.06	25	1.618	68.26	4.19
26	1.399	129.41	5.49	28	2.348	65.72	4.12	29	1.421	94.31	4.55
30	1.752	61.49	3.84	31	2.676	79.13	4.14	32	2.922	93.77	4.48
33	1.001	87.90	4.58	34	0.753	98.98	4.75	35	0.598	42.97	3.14

1. Clearly, this is the group of equations for estimating variable 7, stature. The groups are arranged in order in this table on the basis of the Visual Index numbers and the equations are arranged in order within each group on the basis of the Visual Index numbers.

2. The first equation in this group is the one for estimating stature in terms of variable

2, weight:

$$\text{Estimated Stature} = 0.425\ \text{Weight} + 137.57$$

These are metric values; weight is in kilograms, estimated stature is in centimeters. The standard error of estimate is 5.08 cm.

3. There is no equation for which X is listed as 1, and there are none for which X is denoted as 3, 4, 5, or 6. This indicates that the correlation between variable 1 (age) and stature was less than 0.316 and that the same was true for the correlation of variables 3 through 6 with stature.

4. Considering only these six equations, the best one is that based on variable 8, since it provides estimates of height with a standard error of estimate of only 0.38 cm in contrast to a standard error of estimate of 5.08 cm for the equation based on variable 2, the poorest of this sextet of predictors.

The slope term of each equation not involving weight is the same for both the metric and English forms of the equation. The constant terms and standard errors for the English equations can be obtained by multiplying the metric terms by 0.3937. Thus, in the listed equation based on variable 9 (cervicale height) the English constant term = (14.14) (0.3937) = 5.57, the English standard error = (1.28) (0.3937) = 0.50 and this equation may be written alternately as:

$$\text{Estimated stature} = 1.063\ \text{cervicale height} + 14.14\ \text{(cm)}$$
$$\text{Estimated stature} = 1.063\ \text{cervicale height} + 5.57\ \text{(in)}$$

with a standard error of estimate of 1.28 cm = 0.50 in.

All slope terms are given to a minimum of three significant figures. When the value for any slope was between 0.1 and 0.01, it was multiplied by 10 before being listed and then followed by an *A* in the listing. Thus, for example, the slope value for the equation for estimating variable 3 from variable 37 is listed as 0.561A and is to be interpreted as 0.0561. When the slope was less than 0.01, it was multiplied by 100 and marked with a *B*. The slope values were all rounded to their reported values prior to the calculation of the constant terms; further rounding of the slopes should not be done unless appropriate adjustments are also made in the constant terms.

Table XLVII in appendix III provides a conversion table for centimeters to inches for values 1.00 cm to 10.00 cm by 0.01 cm intervals which may be useful in converting these equations. If the value to be converted is in the range 1.0 — 10.0, the inch value can be read directly, for example, 1.32 cm = 0.520 in. For larger or smaller numbers, the decimal point may need to be moved in one direction or the other, for example, to convert 19.50 cm, note that 1.95 = 0.768; hence 19.50 cm = 7.68 in.

With weight, the conversion of the equation is not that simple, and table XXVI provides equations in English units for weight directly. For this purpose we have designated English weight as variable 999. Thus, the equation for estimating—in English units—any other variable will appear as the last equation for that variable, and the group of equations for estimating weight—in English units—in terms of other variables appears at the end of table XXVI.

The last equation listed for stature is:

X	Slope	Const	S.E.
999	0.759A	54.16	2.00

and is to be interpreted as:

$$\text{Estimated stature (in.)} = 0.0759\ \text{Weight (lbs)} + 54.16$$

TABLE XXVI

SIMPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING AGE NO. 1

X	SLOPE	CONST	S.E.
81	0.535	-11.47	6.10

EQUATIONS FOR ESTIMATING WEIGHT NO. 2

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
3	8.250	42.03	6.04	4	8.762	46.47	6.21	5	6.245	45.42	6.12
6	5.269	49.33	7.01	7	0.667	-50.39	6.37	8	0.666	-50.66	6.37
9	0.737	-44.85	6.33	10	0.758	-42.22	6.27	11	0.784	-45.75	6.27
12	0.660	-20.36	6.69	13	0.830	-25.50	6.53	14	0.733	-10.55	6.79
15	0.811	-9.31	6.68	16	0.845	-11.74	6.65	17	0.694	7.28	7.00
18	1.292	3.49	6.87	19	0.804	-2.17	6.79	22	1.045	-30.34	6.71
23	1.143	-40.11	6.59	24	1.102	-23.49	6.73	25	1.408	-23.93	6.53
26	1.675	18.59	6.94	28	1.497	-3.71	6.99	29	1.541	-15.79	6.21
30	1.983	-56.15	5.42	31	2.042	-5.58	6.75	32	2.067	9.39	6.97
33	0.840	-4.54	6.78	34	0.651	3.16	6.82	35	0.426	-27.14	6.58
36	2.611	-30.39	6.12	37	1.223	-65.07	4.14	38	1.217	-44.80	4.48
39	1.055	-36.93	4.52	40	1.222	-33.09	4.61	41	1.133	-18.41	4.26
42	0.820	-12.49	4.57	43	1.201	-54.72	3.41	44	1.107	-47.73	3.50
45	1.499	-25.42	4.08	46	2.721	-41.04	4.31	47	2.520	-28.31	4.96
48	2.464	-26.61	5.00	49	3.451	-15.03	6.07	50	0.862	-75.38	4.64
51	0.846	-69.22	5.08	52	1.117	-53.96	3.22	53	2.552	-36.94	4.74
54	2.551	-12.26	4.58	55	2.633	-9.70	4.49	56	2.617	-12.39	4.46
57	2.519	-6.91	4.45	58	2.542	-9.73	4.47	59	2.415	-7.41	6.17
60	4.409	-45.77	4.44	61	3.858	-38.62	4.71	62	6.827	-44.42	5.75
63	2.272	-23.70	6.54	64	2.595	-50.93	4.53	65	2.754	-19.36	5.37
66	2.849	4.94	6.10	67	2.983	-14.24	4.82	68	2.615	-33.71	4.80
69	2.060	-20.94	4.68	70	13.198	-23.22	6.34	71	13.580	-25.12	6.31
72	8.119	-8.16	6.57	73	8.844	-14.25	6.45	74	2.897	-10.76	5.03
75	3.314	1.35	5.09	76	2.809	-0.95	4.60	77	3.383	-13.83	4.47
78	4.288	4.41	5.27	80	2.279	-0.37	6.17	81	1.255	-24.12	5.69
82	1.647	-0.01	6.36	83	1.265	-4.74	6.27	84	1.494	-5.23	5.98
86	1.764	-1.50	6.68	88	2.383	9.20	6.79	89	1.779	-37.12	6.19
90	1.283	-44.37	6.20	91	3.005	2.49	6.95	92	8.059	-3.14	6.84
93	4.105	-17.46	6.54	94	3.402	-24.15	6.47	95	5.934	5.11	6.92
98	1.867	-44.70	6.89	107	2.698	0.57	7.06	115	5.898	-18.29	6.92
116	4.659	-2.36	7.02	117	4.636	10.51	7.06	125	0.476	43.51	7.02
139	0.682	-54.53	6.23	140	1.019	-0.24	1.74				

DIVIDE SLOPES MARKED 'A' BY 10. DIVIDE THOSE MARKED 'B' BY 100.

TABLE XXVI

SIMPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING TRICEPS SKINFOLD NO. 3

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.432A	-0.59	0.44	4	0.685	1.02	0.43	5	0.469	0.98	0.43
6	0.539	1.04	0.47	37	0.561A	-3.73	0.46	38	0.551A	-2.74	0.47
39	0.501A	-2.59	0.46	40	0.545A	-2.15	0.48	41	0.538A	-1.71	0.46
42	0.440A	-1.87	0.44	43	0.598A	-3.70	0.43	44	0.553A	-3.37	0.43
45	0.812A	-2.60	0.42	46	0.135	-3.00	0.45	47	0.118	-2.13	0.48
48	0.115	-2.03	0.48	49	0.135	-0.94	0.52	50	0.326A	-3.13	0.50
51	0.294A	-2.51	0.51	52	0.534A	-3.44	0.44	53	0.118	-2.47	0.47
54	0.155	-2.35	0.41	55	0.170	-2.45	0.38	56	0.163	-2.46	0.39
57	0.160	-2.20	0.38	58	0.157	-2.26	0.40	60	0.221	-3.29	0.45
61	0.192	-2.89	0.46	64	0.124	-3.29	0.46	65	0.114	-1.29	0.50
66	0.126	-0.43	0.51	67	0.132	-1.28	0.48	68	0.130	-2.64	0.46
69	0.112	-2.37	0.44	74	0.144	-1.50	0.47	75	0.162	-0.85	0.47
76	0.147	-1.17	0.45	77	0.182	-1.95	0.44	78	0.182	-0.36	0.49
80	0.105	-0.77	0.51	81	0.569A	-1.81	0.50	84	0.639A	-0.79	0.51
140	0.425A	-0.51	0.45	999	0.771B	-0.23	0.17				

EQUATIONS FOR ESTIMATING SUBSCAPULAR SKINFOLD NO. 4

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.364A	-0.82	0.40	3	0.544	0.25	0.38	5	0.456	0.39	0.36
6	0.311	0.79	0.46	36	0.105	-2.26	0.45	37	0.549A	-4.23	0.39
38	0.595A	-3.73	0.38	39	0.534A	-3.51	0.38	40	0.570A	-2.95	0.40
41	0.572A	-2.56	0.37	42	0.418A	-2.29	0.38	43	0.503A	-3.42	0.40
44	0.426A	-2.77	0.41	45	0.600A	-2.04	0.41	46	0.878A	-1.90	0.44
47	0.740A	-1.24	0.46	48	0.708A	-1.14	0.46	50	0.264A	-2.79	0.45
51	0.239A	-2.30	0.46	52	0.437A	-3.08	0.41	53	0.113	-2.91	0.41
54	0.141	-2.58	0.35	55	0.134	-2.15	0.38	56	0.127	-2.12	0.39
57	0.128	-2.00	0.37	58	0.124	-2.00	0.38	60	0.170	-2.71	0.42
61	0.149	-2.44	0.43	64	0.117	-3.61	0.40	65	0.120	-2.07	0.43
66	0.130	-1.12	0.44	67	0.134	-1.95	0.41	68	0.930A	-1.97	0.44
69	0.807A	-1.80	0.43	74	0.153	-2.33	0.38	75	0.176	-1.71	0.38
76	0.146	-1.76	0.37	77	0.156	-2.01	0.40	78	0.128	-0.31	0.46
80	0.104	-1.37	0.44	81	0.553A	-2.32	0.43	82	0.722A	-1.25	0.45
83	0.478A	-1.07	0.46	84	0.684A	-1.60	0.44	140	0.368A	-0.81	0.41
999	0.650B	-0.32	0.16								

DIVIDE SLOPES MARKED 'A' BY 10. DIVIDE THOSE MARKED 'B' BY 100.

TABLE XXVI

SIMPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING SUPRAILIAC SKINFOLD NO. 5

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.543A	-1.16	0.57	3	0.779	0.49	0.56	4	0.953	0.75	0.53
6	0.505	1.17	0.65	37	0.737A	-5.43	0.59	38	0.782A	-4.62	0.58
39	0.739A	-4.66	0.56	40	0.776A	-3.80	0.59	41	0.821A	-3.55	0.54
42	0.586A	-3.05	0.56	43	0.726A	-4.83	0.57	44	0.633A	-4.06	0.59
45	0.940A	-3.24	0.58	46	0.137	-3.00	0.63	47	0.117	-2.02	0.65
48	0.111	-1.83	0.65	50	0.364A	-3.65	0.66	51	0.349A	-3.26	0.66
52	0.634A	-4.37	0.59	53	0.149	-3.56	0.61	54	0.191	-3.27	0.54
55	0.179	-2.61	0.57	56	0.171	-2.61	0.58	57	0.170	-2.39	0.57
58	0.166	-2.43	0.58	60	0.244	-3.76	0.62	61	0.218	-3.47	0.62
64	0.161	-4.77	0.59	65	0.155	-2.37	0.64	66	0.199	-1.72	0.63
67	0.207	-3.02	0.57	68	0.140	-2.92	0.63	69	0.118	-2.53	0.62
74	0.210	-2.99	0.57	75	0.237	-2.06	0.58	76	0.196	-2.12	0.56
77	0.211	-2.49	0.59	78	0.233	-0.93	0.64	80	0.156	-2.00	0.64
81	0.792A	-3.19	0.63	82	0.977A	-1.45	0.66	83	0.706A	-1.51	0.66
84	0.818A	-1.48	0.66	140	0.545A	-1.13	0.58	999	0.969B	-0.46	0.22

EQUATIONS FOR ESTIMATING MEDIAL CALF SKINFOLD NO. 6

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.248A	0.16	0.48	3	0.485	0.67	0.44	4	0.353	1.14	0.49
5	0.274	1.05	0.48	42	0.239A	-0.45	0.49	43	0.348A	-1.66	0.48
44	0.341A	-1.65	0.47	45	0.517A	-1.27	0.47	46	0.104	-2.18	0.46
47	0.100	-1.82	0.47	48	0.973A	-1.74	0.47	49	0.128	-1.10	0.49
52	0.321A	-1.62	0.48	54	0.772A	-0.52	0.48	55	0.958A	-0.86	0.47
56	0.898A	-0.81	0.47	57	0.919A	-0.76	0.47	58	0.897A	-0.79	0.47
60	0.126	-1.36	0.49	61	0.110	-1.15	0.49	68	0.849A	-1.37	0.48
69	0.748A	-1.26	0.47	76	0.866A	-0.21	0.48	77	0.113	-0.80	0.48
140	0.239A	0.23	0.49	999	0.444B	0.06	0.19				

DIVIDE SLOPES MARKED 'A' BY 10. DIVIDE THOSE MARKED 'B' BY 100.

TABLE XXVI

SIMPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING STATURE NO. 7

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.425	137.57	5.08	8	0.995	0.17	0.38	9	1.063	14.14	1.28
10	1.051	23.52	1.70	11	1.102	16.64	1.39	12	1.067	35.86	2.26
13	1.219	39.86	2.44	14	1.218	48.64	2.65	15	1.198	63.06	3.14
16	1.222	61.64	3.19	17	1.251	71.15	3.39	18	1.987	78.68	3.71
19	1.265	67.86	3.17	21	4.355	132.60	5.43	22	1.445	40.32	3.74
23	1.517	32.25	3.60	24	1.447	55.45	4.06	25	1.618	68.26	4.19
26	1.399	129.41	5.49	28	2.348	65.72	4.12	29	1.421	94.31	4.55
30	1.752	61.49	3.84	31	2.676	79.13	4.14	32	2.922	93.77	4.48
33	1.001	87.90	4.58	34	0.753	98.98	4.75	35	0.598	42.97	3.14
36	1.141	123.60	5.69	37	0.390	122.94	5.66	43	0.381	126.43	5.61
44	0.359	127.90	5.60	46	1.024	124.93	5.54	49	1.649	127.33	5.61
50	0.541	78.56	4.72	51	0.622	68.76	4.41	52	0.375	124.60	5.55
53	0.956	126.64	5.59	59	1.385	124.74	5.47	62	3.824	104.89	5.35
63	1.671	102.21	5.34	67	1.020	137.49	5.67	68	0.944	129.09	5.63
70	9.514	103.75	5.25	71	9.790	102.37	5.23	72	4.500	125.58	5.65
73	4.742	123.50	5.63	78	2.068	136.39	5.42	79	2.149	130.60	5.59
81	0.495	129.82	5.68	83	0.642	130.39	5.62	85	1.586	97.85	4.87
86	1.404	114.96	5.34	87	1.758	84.53	4.24	89	1.695	71.73	4.41
90	1.371	52.99	3.92	91	3.764	92.91	4.80	92	5.853	117.89	5.55
93	2.414	117.88	5.59	94	3.682	73.48	4.34	95	4.287	124.09	5.61
96	2.815	110.28	5.69	98	1.222	95.06	5.67	104	1.893	120.63	5.60
139	0.934	8.36	1.66	140	0.462	135.82	5.00	999	0.759A	54.16	2.00

EQUATIONS FOR ESTIMATING STATURE, MAXIMUM NO. 8

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.427	138.10	5.10	7	1.001	0.48	0.38	9	1.068	14.09	1.24
10	1.055	23.64	1.68	11	1.107	16.62	1.36	12	1.071	36.03	2.26
13	1.226	39.81	2.42	14	1.224	48.73	2.64	15	1.205	63.13	3.13
16	1.228	61.79	3.18	17	1.254	71.58	3.41	18	1.999	78.82	3.70
19	1.276	67.68	3.14	21	4.359	133.22	5.45	22	1.451	40.46	3.74
23	1.526	32.12	3.59	24	1.457	55.36	4.05	25	1.628	68.33	4.19
26	1.417	129.64	5.50	28	2.363	65.75	4.12	29	1.429	94.57	4.55
30	1.761	61.62	3.84	31	2.693	79.25	4.14	32	2.945	93.87	4.48
33	1.005	88.25	4.59	34	0.757	99.29	4.76	35	0.601	43.01	3.14
36	1.140	124.27	5.71	37	0.392	123.39	5.68	43	0.380	127.17	5.64
44	0.360	128.45	5.62	46	1.027	125.47	5.55	49	1.653	127.89	5.63
50	0.543	78.89	4.73	51	0.625	68.96	4.41	52	0.377	125.05	5.57
53	0.961	127.10	5.61	59	1.388	125.30	5.49	62	3.849	105.16	5.36
63	1.676	102.67	5.36	67	1.029	137.92	5.68	68	0.946	129.67	5.65
70	9.586	103.95	5.26	71	9.867	102.55	5.24	72	4.569	125.66	5.66
73	4.811	123.59	5.64	78	2.097	136.67	5.42	79	2.157	131.12	5.61
81	0.495	130.46	5.70	83	0.647	130.79	5.63	85	1.599	97.97	4.87
86	1.408	115.47	5.36	87	1.766	84.82	4.25	89	1.704	71.90	4.41
90	1.379	53.00	3.91	91	3.797	92.95	4.80	92	5.899	118.19	5.57
93	2.434	118.16	5.60	94	3.716	73.31	4.32	95	4.290	124.71	5.63
96	2.851	110.26	5.70	98	1.241	94.66	5.68	104	1.891	121.32	5.62
139	0.938	8.35	1.62	140	0.465	136.29	5.01	999	0.762A	54.37	2.01

DIVIDE SLOPES MARKED 'A' BY 10. DIVIDE THOSE MARKED 'B' BY 100.

TABLE XXVI

SIMPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING CERVICALE HEIGHT — NO. 9

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.397	116.28	4.64	7	0.898	-6.37	1.17	8	0.897	-6.79	1.14
10	0.972	11.03	1.45	11	1.012	5.61	1.29	12	0.981	23.13	2.07
13	1.137	25.18	2.07	14	1.136	33.38	2.28	15	1.120	46.60	2.76
16	1.148	44.82	2.76	17	1.169	54.21	3.00	18	1.893	59.72	3.20
19	1.200	49.79	2.66	20	1.335	124.26	5.21	21	3.937	112.53	5.01
22	1.247	34.10	3.74	23	1.311	26.97	3.63	24	1.261	46.25	3.95
25	1.461	54.46	3.92	26	1.268	109.57	5.06	28	2.211	48.44	3.68
29	1.346	74.98	4.08	30	1.653	44.27	3.39	31	2.491	61.96	3.75
32	2.776	74.27	4.00	33	0.942	69.36	4.14	34	0.699	80.60	4.34
35	0.552	29.22	2.86	37	0.359	103.15	5.20	43	0.349	106.52	5.16
44	0.335	107.28	5.14	46	0.951	104.67	5.08	49	1.491	107.76	5.17
50	0.492	63.22	4.36	51	0.568	53.96	4.07	52	0.352	104.00	5.09
53	0.901	105.77	5.12	59	1.288	104.45	5.02	62	3.492	86.95	4.93
63	1.521	84.68	4.92	67	0.977	115.62	5.19	68	0.869	108.81	5.17
70	8.690	85.89	4.83	71	9.023	84.15	4.80	72	4.210	105.03	5.18
73	4.433	103.11	5.17	78	1.971	114.68	4.94	79	2.017	109.62	5.12
83	0.607	109.22	5.15	85	1.517	77.74	4.38	86	1.232	97.83	4.96
87	1.664	65.77	3.78	89	1.556	56.23	4.06	90	1.277	37.57	3.54
91	3.475	75.31	4.40	92	5.325	98.97	5.11	93	2.212	98.68	5.14
94	3.409	57.15	3.96	95	3.837	105.17	5.18	139	0.853	-1.21	1.64
140	0.429	114.79	4.58	999	0.708A	45.79	1.83				

EQUATIONS FOR ESTIMATING ACROMIAL HEIGHT — NO. 10

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.402	108.65	4.57	7	0.875	-9.98	1.56	8	0.874	-10.38	1.53
9	0.958	-1.49	1.44	11	1.000	-0.14	1.39	12	0.982	15.67	1.95
13	1.119	19.65	2.16	14	1.115	28.00	2.39	15	1.112	39.93	2.74
16	1.131	38.88	2.80	17	1.145	48.62	3.07	18	1.839	54.65	3.30
19	1.176	44.24	2.75	21	3.857	105.73	4.99	22	1.197	30.98	3.86
23	1.261	23.92	3.75	24	1.206	42.97	4.05	25	1.485	45.73	3.80
26	1.253	102.58	5.03	28	2.169	42.83	3.71	29	1.338	68.02	4.05
30	1.641	37.62	3.37	31	2.534	53.29	3.61	32	2.712	68.44	4.03
33	0.928	63.07	4.13	34	0.692	73.85	4.32	35	0.549	22.49	2.82
37	0.374	94.31	5.13	40	0.369	104.43	5.18	43	0.363	97.87	5.09
44	0.341	99.37	5.08	46	0.951	97.34	5.04	49	1.460	101.08	5.15
50	0.509	53.26	4.22	51	0.582	44.52	3.93	52	0.364	95.46	5.01
53	0.976	95.65	5.00	59	1.307	96.60	4.96	60	1.325	100.75	5.17
61	1.178	102.44	5.18	62	3.479	79.81	4.89	63	1.395	81.86	4.98
64	0.764	99.87	5.19	67	1.017	107.32	5.11	68	0.866	101.58	5.13
70	8.638	78.88	4.80	71	8.973	77.12	4.77	72	4.171	98.01	5.15
73	4.426	95.83	5.13	78	1.939	107.75	4.91	83	0.592	102.62	5.12
85	1.376	76.12	4.55	86	1.221	90.86	4.93	87	1.590	61.70	3.91
89	1.508	51.46	4.11	90	1.249	32.46	3.58	91	3.384	69.65	4.41
92	5.286	91.93	5.08	93	2.225	91.10	5.09	94	3.322	51.90	4.00
95	3.846	97.76	5.13	139	0.833	-5.26	1.87	140	0.435	107.11	4.50
999	0.718A	42.77	1.80								

DIVIDE SLOPES MARKED 'A' BY 10. DIVIDE THOSE MARKED 'B' BY 100.

TABLE XXVI

SIMPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING SUPRASTERNALE HEIGHT — NO. 11

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.390	109.49	4.42	7	0.859	-7.25	1.23	8	0.858	-7.64	1.19
9	0.934	1.99	1.24	10	0.936	8.58	1.35	12	0.958	18.65	1.78
13	1.097	22.00	1.94	14	1.098	29.72	2.13	15	1.086	42.22	2.58
16	1.106	41.07	2.63	17	1.119	50.65	2.91	18	1.805	56.22	3.12
19	1.158	45.73	2.52	21	3.816	106.15	4.81	22	1.184	32.22	3.64
23	1.244	25.52	3.54	24	1.193	44.07	3.85	25	1.367	52.72	3.86
26	1.198	104.01	4.88	28	2.128	44.65	3.53	29	1.321	68.98	3.85
30	1.610	39.54	3.18	31	2.398	57.65	3.59	32	2.659	69.82	3.86
33	0.896	65.58	4.00	34	0.667	76.08	4.19	35	0.535	25.42	2.67
37	0.368	95.05	4.95	43	0.344	99.79	4.94	44	0.329	100.66	4.92
46	0.941	97.84	4.85	49	1.458	101.26	4.96	50	0.476	58.49	4.17
51	0.543	50.52	3.93	52	0.347	97.30	4.86	53	0.895	98.80	4.89
59	1.279	97.50	4.79	60	1.299	101.51	4.99	61	1.169	102.81	5.00
62	3.446	80.44	4.70	63	1.469	79.35	4.72	64	0.729	101.48	5.03
67	0.942	109.27	4.98	68	0.837	102.73	4.97	70	8.569	79.44	4.60
71	8.809	78.26	4.59	72	4.099	98.73	4.97	73	4.306	96.95	4.96
78	1.922	108.10	4.72	79	1.832	105.14	4.96	81	0.433	103.76	5.02
83	0.554	104.64	4.98	85	1.313	78.81	4.43	86	1.311	87.98	4.64
87	1.574	62.55	3.70	89	1.489	52.61	3.91	90	1.225	34.51	3.40
91	3.364	70.16	4.21	92	5.138	93.19	4.91	93	2.188	91.92	4.92
94	3.272	53.25	3.81	95	3.801	98.30	4.95	98	1.042	74.83	5.02
104	1.557	97.89	5.00	139	0.815	-2.15	1.66	140	0.422	107.99	4.35
999	0.696A	43.11	1.74								

EQUATIONS FOR ESTIMATING BUSTPOINT HEIGHT — NO. 12

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.317	100.02	4.64	7	0.805	-12.17	1.96	8	0.803	-12.37	1.96
9	0.876	-3.62	1.95	10	0.889	1.10	1.85	11	0.926	-3.91	1.75
13	1.040	14.03	2.30	14	1.053	20.23	2.35	15	1.046	31.84	2.70
16	1.057	31.42	2.80	17	1.101	38.28	2.86	18	1.724	45.94	3.22
19	1.115	35.25	2.64	21	3.503	94.59	4.79	22	1.056	29.32	3.92
23	1.108	23.47	3.85	24	1.054	40.63	4.10	25	1.236	46.63	4.05
26	1.024	94.39	4.90	28	2.048	34.25	3.56	29	1.236	59.35	3.94
30	1.496	32.41	3.42	31	2.266	48.06	3.69	32	2.562	58.40	3.86
33	0.843	55.83	4.06	34	0.639	64.75	4.18	35	0.508	17.11	2.88
46	0.759	90.77	4.92	50	0.411	54.85	4.38	51	0.478	46.59	4.17
59	1.113	88.29	4.82	62	2.897	74.97	4.79	63	1.312	71.29	4.75
70	7.443	72.67	4.69	71	7.706	71.30	4.67	78	1.662	97.65	4.78
85	1.202	69.62	4.48	86	1.102	81.32	4.75	87	1.559	49.52	3.61
89	1.357	45.97	4.06	90	1.148	26.96	3.56	91	3.098	61.37	4.28
92	4.473	84.53	4.91	93	1.847	84.49	4.94	94	2.985	46.47	3.98
95	3.573	86.63	4.90	139	0.758	-6.45	2.30	140	0.346	98.63	4.58
999	0.566A	39.38	1.83								

DIVIDE SLOPES MARKED 'A' BY 10. DIVIDE THOSE MARKED 'B' BY 100.

TABLE XXVI

SIMPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING WAIST HEIGHT — NO. 13

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.297	83.13	3.90	7	0.685	-10.76	1.83	8	0.684	-11.04	1.81
9	0.755	-4.81	1.69	10	0.755	0.72	1.77	11	0.790	-4.00	1.65
12	0.774	8.70	1.99	14	0.963	10.57	1.45	15	0.945	22.15	1.99
16	0.961	21.27	2.06	17	0.981	28.96	2.26	18	1.574	34.20	2.50
19	1.015	24.66	1.87	21	3.127	79.10	4.11	22	0.825	30.75	3.61
23	0.862	26.49	3.58	24	0.827	39.33	3.72	25	0.945	45.47	3.73
26	1.080	75.04	4.09	28	1.843	24.63	2.91	29	1.157	45.08	3.17
30	1.382	20.91	2.64	31	2.068	36.16	2.99	32	2.298	46.54	3.22
33	0.757	44.16	3.41	34	0.565	52.91	3.55	35	0.439	12.82	2.48
43	0.255	76.40	4.27	44	0.252	76.27	4.24	46	0.700	74.87	4.21
50	0.328	49.63	3.89	51	0.385	42.50	3.72	52	0.266	73.68	4.20
53	0.672	75.35	4.23	59	0.967	74.19	4.15	62	2.514	62.66	4.13
63	1.122	60.06	4.10	68	0.646	77.69	4.26	70	6.477	60.55	4.04
71	6.660	59.65	4.03	78	1.593	80.47	4.03	79	1.477	78.62	4.24
83	0.440	78.55	4.26	85	0.801	67.83	4.13	87	1.372	39.74	3.04
89	1.234	34.49	3.38	90	1.030	18.31	2.92	91	2.827	48.31	3.59
92	3.929	70.60	4.23	93	1.594	71.08	4.26	94	2.711	35.03	3.30
95	3.079	72.98	4.23	139	0.653	-7.21	1.99	140	0.323	81.90	3.85
999	0.530A	32.73	1.54								

EQUATIONS FOR ESTIMATING ABDOMINAL EXTENSION HEIGHT — NO. 14

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.253	78.55	3.99	7	0.661	-14.00	1.96	8	0.660	-14.26	1.94
9	0.730	-8.46	1.83	10	0.726	-2.58	1.93	11	0.764	-7.70	1.78
12	0.758	3.47	1.99	13	0.931	-0.21	1.42	15	0.928	16.43	1.97
16	0.950	15.05	1.98	17	0.975	22.27	2.15	18	1.554	27.91	2.43
19	1.008	18.05	1.75	21	3.080	72.29	4.04	22	0.747	30.20	3.70
23	0.780	26.38	3.67	24	0.742	38.46	3.80	25	0.840	44.43	3.82
28	1.854	17.05	2.77	29	1.122	39.62	3.16	30	1.334	16.54	2.69
31	2.035	30.05	2.94	32	2.246	40.63	3.18	33	0.728	39.18	3.41
34	0.538	48.05	3.56	35	0.427	8.08	2.49	50	0.274	50.84	4.00
51	0.331	43.48	3.86	59	0.919	68.36	4.11	62	2.279	59.05	4.11
63	1.042	55.80	4.08	70	6.171	55.30	4.00	71	6.364	54.32	3.99
78	1.457	75.03	4.03	79	1.406	72.54	4.18	85	0.835	59.32	4.02
87	1.371	32.65	2.93	89	1.178	30.34	3.40	90	0.997	13.81	2.93
91	2.785	41.95	3.53	92	3.775	64.64	4.17	94	2.592	30.77	3.32
95	2.842	67.95	4.19	139	0.630	-10.55	2.10	140	0.277	77.39	3.95
999	0.452A	30.92	1.57								

DIVIDE SLOPES MARKED 'A' BY 10. DIVIDE THOSE MARKED 'B' BY 100.

TABLE XXVI

SIMPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING TROCHANTERIC HEIGHT — NO. 15

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.261	67.60	3.79	7	0.606	-15.56	2.24	8	0.605	-15.79	2.22
9	0.670	-10.59	2.14	10	0.675	-6.33	2.13	11	0.704	-10.26	2.07
12	0.701	-0.27	2.21	13	0.850	-2.56	1.89	14	0.864	2.19	1.90
16	0.906	8.19	2.00	17	0.927	15.28	2.17	18	1.410	23.48	2.64
19	0.955	11.52	1.85	21	2.761	63.97	3.95	22	0.647	28.14	3.71
23	0.682	24.29	3.68	24	0.636	35.80	3.80	25	0.754	38.94	3.77
28	1.720	12.07	2.82	29	1.078	31.24	3.06	30	1.293	8.42	2.57
31	1.997	20.75	2.77	32	2.158	32.20	3.08	33	0.715	29.67	3.25
34	0.546	36.90	3.34	35	0.414	0.19	2.38	46	0.599	60.93	4.05
50	0.271	40.82	3.84	51	0.313	35.70	3.74	52	0.226	60.07	4.04
53	0.595	60.60	4.04	59	0.931	57.56	3.93	62	2.196	49.81	3.97
63	1.044	45.25	3.91	70	5.513	48.86	3.92	71	5.741	47.65	3.90
78	1.460	64.52	3.86	79	1.356	62.79	4.04	85	0.717	53.63	3.96
87	1.312	24.78	2.86	89	1.117	23.12	3.32	90	0.954	6.75	2.86
91	2.665	33.68	3.42	92	3.600	55.48	4.03	94	2.488	22.79	3.22
95	2.947	56.54	4.01	98	0.835	36.86	4.05	139	0.579	-12.63	2.32
140	0.281	66.69	3.76	999	0.466A	26.62	1.49				

EQUATIONS FOR ESTIMATING BUTTOCK HEIGHT — NO. 16

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.259	67.26	3.68	7	0.588	-13.10	2.21	8	0.587	-13.32	2.20
9	0.653	-8.68	2.08	10	0.653	-3.89	2.13	11	0.682	-7.81	2.06
12	0.674	2.47	2.23	13	0.823	-0.32	1.90	14	0.842	3.78	1.86
15	0.862	10.95	1.95	17	0.930	14.60	1.94	18	1.435	21.97	2.39
19	0.937	12.40	1.76	21	2.832	63.03	3.82	22	0.604	31.31	3.67
23	0.633	28.03	3.65	24	0.595	38.36	3.74	25	0.692	42.08	3.73
28	1.748	10.46	2.60	29	1.075	30.92	2.92	30	1.280	8.70	2.44
31	1.891	23.58	2.81	32	2.091	33.31	3.02	33	0.684	31.51	3.21
34	0.493	40.88	3.40	35	0.382	6.11	2.57	46	0.607	60.18	3.93
50	0.242	44.84	3.82	51	0.290	38.69	3.70	52	0.220	60.21	3.94
53	0.589	60.36	3.94	59	0.876	58.58	3.86	62	2.173	49.70	3.87
63	0.922	49.17	3.88	67	0.689	65.59	3.94	70	5.227	50.15	3.84
71	5.547	48.37	3.81	78	1.468	63.96	3.74	85	0.656	55.64	3.90
87	1.251	27.01	2.86	89	1.060	25.70	3.29	90	0.913	9.55	2.86
91	2.485	36.53	3.41	94	2.352	25.60	3.21	139	0.561	-10.13	2.30
140	0.277	66.45	3.66	999	0.462A	26.49	1.45				

DIVIDE SLOPES MARKED 'A' BY 10. DIVIDE THOSE MARKED 'B' BY 100.

TABLE XXVI

SIMPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING GLUTEAL FURROW HEIGHT NO. 17

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.192	61.62	3.69	7	0.544	-15.48	2.24	8	0.542	-15.51	2.24
9	0.602	-11.09	2.16	10	0.599	-6.28	2.22	11	0.625	-9.80	2.17
12	0.636	-2.55	2.17	13	0.761	-3.61	1.99	14	0.782	-0.14	1.93
15	0.799	6.65	2.02	16	0.842	3.48	1.84	18	1.347	16.15	2.33
19	0.869	7.96	1.85	21	2.452	56.09	3.69	22	0.530	28.03	3.57
23	0.556	25.11	3.55	24	0.517	34.60	3.63	25	0.599	37.96	3.63
28	1.578	7.93	2.66	29	0.941	27.81	2.99	30	1.110	8.96	2.67
31	1.730	19.06	2.79	32	1.953	27.03	2.92	33	0.633	25.78	3.11
34	0.468	33.47	3.24	35	0.357	1.58	2.52	50	0.187	43.82	3.75
51	0.234	37.59	3.65	59	0.736	52.85	3.74	63	0.823	43.20	3.72
70	4.450	45.41	3.72	71	4.690	44.09	3.70	78	1.152	58.37	3.69
85	0.626	47.34	3.71	87	1.223	18.73	2.64	89	0.976	20.66	3.19
90	0.845	5.45	2.80	91	2.254	31.27	3.32	94	2.115	21.80	3.16
139	0.515	-12.07	2.36	140	0.210	60.75	3.66	999	0.344A	24.24	1.45

EQUATIONS FOR ESTIMATING TIBIALE HEIGHT NO. 18

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.129	34.53	2.17	7	0.311	-8.43	1.47	8	0.311	-8.63	1.46
9	0.351	-6.88	1.38	10	0.346	-3.64	1.43	11	0.363	-5.93	1.40
12	0.358	-0.38	1.47	13	0.439	-2.04	1.32	14	0.449	0.16	1.31
15	0.437	5.85	1.47	16	0.468	3.51	1.36	17	0.485	6.72	1.40
19	0.497	4.95	1.28	20	0.777	33.29	2.13	21	1.550	31.48	2.20
22	0.329	14.26	2.12	23	0.340	12.88	2.12	24	0.327	17.88	2.16
25	0.369	20.58	2.16	28	0.941	3.36	1.61	29	0.528	16.79	1.88
30	0.627	5.98	1.71	31	0.939	12.87	1.82	32	1.214	13.59	1.70
33	0.373	14.33	1.89	34	0.268	19.52	1.98	35	0.204	1.34	1.61
50	0.126	22.52	2.21	51	0.151	19.32	2.16	59	0.462	29.52	2.23
62	1.164	24.57	2.23	63	0.524	23.20	2.22	70	2.980	23.70	2.19
71	3.069	23.26	2.19	78	0.760	32.53	2.18	83	0.243	29.98	2.24
85	0.367	27.11	2.23	87	0.721	10.17	1.62	89	0.575	11.33	1.93
90	0.505	1.79	1.68	91	1.235	19.28	2.06	94	1.288	10.98	1.88
139	0.297	-6.90	1.51	140	0.141	33.96	2.15	999	0.230A	13.60	0.85

EQUATIONS FOR ESTIMATING CROTCH HEIGHT NO. 19

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.231	61.17	3.64	7	0.570	-17.89	2.13	8	0.571	-18.42	2.10
9	0.640	-14.58	1.94	10	0.636	-9.36	2.02	11	0.669	-13.80	1.91
12	0.666	-4.30	2.04	13	0.814	-7.12	1.68	14	0.837	-3.46	1.59
15	0.851	4.15	1.74	16	0.878	2.32	1.70	17	0.899	9.15	1.88
18	1.428	14.55	2.17	21	2.566	57.12	3.74	22	0.564	26.97	3.59
23	0.594	23.66	3.56	24	0.557	33.45	3.65	25	0.630	37.97	3.66
28	1.707	4.44	2.48	29	1.045	24.65	2.82	30	1.241	3.24	2.36
31	1.857	16.93	2.67	32	2.110	25.16	2.81	33	0.682	23.95	3.04
34	0.503	32.34	3.20	35	0.383	-1.80	2.35	50	0.214	41.46	3.75
51	0.258	35.79	3.66	59	0.828	52.17	3.75	62	2.028	44.16	3.76
63	0.934	41.03	3.73	70	5.148	42.93	3.71	71	5.392	41.61	3.69
78	1.392	57.19	3.63	79	1.256	56.09	3.82	85	0.677	47.08	3.74
87	1.293	17.45	2.55	89	1.054	18.31	3.13	90	0.914	1.76	2.65
91	2.459	29.30	3.27	92	3.396	48.85	3.81	94	2.374	17.37	3.01
139	0.551	-16.19	2.16	140	0.251	60.22	3.60	999	0.412A	24.09	1.43

DIVIDE SLOPES MARKED 'A' BY 10. DIVIDE THOSE MARKED 'B' BY 100.

TABLE XXVI

SIMPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING ANKLE HEIGHT — NO. 20

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
9	0.804A	-0.00	1.28	18	0.252	0.61	1.21	32	0.377	2.37	1.25
35	0.525A	0.73	1.28	87	0.214	1.74	1.25				

EQUATIONS FOR ESTIMATING LATERAL MALLEOLUS HEIGHT — NO. 21

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
7	0.416A	0.03	0.53	8	0.414A	0.04	0.53	9	0.445A	0.58	0.53
10	0.443A	0.93	0.53	11	0.468A	0.60	0.53	12	0.444A	1.52	0.54
13	0.532A	1.44	0.54	14	0.543A	1.72	0.54	15	0.522A	2.46	0.54
16	0.563A	2.15	0.54	17	0.539A	2.86	0.55	18	0.946A	2.80	0.54
19	0.545A	2.71	0.54	22	0.593A	1.78	0.55	23	0.615A	1.51	0.55
28	0.114	2.09	0.55	31	0.116	3.18	0.56	139	0.392A	0.32	0.53

EQUATIONS FOR ESTIMATING SITTING HEIGHT, RELAXED — NO. 22

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.195	73.02	2.90	7	0.424	15.55	2.03	8	0.423	15.44	2.02
9	0.433	24.01	2.21	10	0.422	28.63	2.29	11	0.445	25.54	2.23
12	0.411	35.65	2.45	13	0.431	41.06	2.61	14	0.404	46.64	2.72
15	0.376	53.19	2.83	16	0.368	54.02	2.87	17	0.357	58.32	2.93
18	0.616	58.42	2.90	19	0.367	56.93	2.90	21	1.820	71.95	3.07
23	0.993	-0.72	0.81	24	0.961	13.45	1.39	25	1.041	23.90	1.71
26	1.020	60.44	2.73	27	0.711	68.13	2.74	28	0.691	55.91	2.99
30	0.496	55.79	2.98	31	0.861	57.58	2.93	32	0.859	64.19	3.03
33	0.327	60.04	2.99	34	0.261	62.40	2.99	35	0.226	39.25	2.62
44	0.192	65.99	3.04	46	0.488	66.56	3.06	49	0.878	65.77	3.05
50	0.321	34.71	2.39	51	0.368	29.05	2.18	52	0.193	64.98	3.03
53	0.451	67.55	3.08	62	1.832	56.87	2.98	63	0.743	57.65	3.02
68	0.520	66.09	3.04	70	4.408	57.24	2.96	71	4.471	57.00	2.96
81	0.287	65.56	3.05	85	0.902	47.74	2.56	86	0.862	55.33	2.78
87	0.504	62.04	3.02	89	0.656	49.30	2.84	90	0.475	46.48	2.84
91	1.365	59.18	2.98	94	1.397	50.65	2.84	139	0.392	19.75	2.17
140	0.212	72.22	2.87	999	0.349A	28.74	1.14				

DIVIDE SLOPES MARKED 'A' BY 10. DIVIDE THOSE MARKED 'B' BY 100.

TABLE XXVI

SIMPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING SITTING HEIGHT — NO. 23

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.203	73.88	2.78	7	0.423	17.03	1.90	8	0.422	16.92	1.89
9	0.432	25.47	2.09	10	0.422	29.96	2.17	11	0.445	26.86	2.12
12	0.409	37.21	2.34	13	0.428	42.68	2.52	14	0.401	48.25	2.63
15	0.376	54.52	2.73	16	0.367	55.43	2.78	17	0.356	59.72	2.84
18	0.604	60.24	2.83	19	0.367	58.26	2.80	21	1.793	73.45	2.99
22	0.943	6.13	0.79	24	0.961	14.77	1.18	25	1.050	24.70	1.50
26	1.017	61.83	2.63	27	0.702	69.66	2.66	28	0.678	57.77	2.91
29	0.369	67.99	3.00	30	0.518	55.85	2.86	31	0.875	58.47	2.83
32	0.877	65.09	2.93	33	0.321	61.80	2.91	34	0.272	62.80	2.88
35	0.228	40.18	2.50	36	0.615	64.84	3.00	43	0.196	67.25	2.97
44	0.201	66.45	2.93	46	0.511	67.05	2.95	49	0.927	66.05	2.94
50	0.326	35.26	2.24	51	0.372	29.78	2.02	52	0.200	65.60	2.92
53	0.468	68.24	2.98	59	0.585	69.82	2.99	62	1.902	57.14	2.87
63	0.743	58.97	2.93	68	0.542	66.65	2.93	70	4.546	57.72	2.85
71	4.597	57.55	2.85	73	2.314	66.76	3.00	78	0.810	75.53	3.00
81	0.289	66.75	2.96	83	0.308	70.39	3.00	85	0.940	47.52	2.39
86	0.860	56.72	2.69	87	0.510	63.10	2.92	89	0.657	50.57	2.75
90	0.478	47.56	2.74	91	1.369	60.43	2.88	92	2.601	65.95	3.00
93	1.113	65.21	3.00	94	1.430	51.18	2.73	104	0.891	66.08	3.00
139	0.393	20.91	2.04	140	0.219	73.14	2.75	999	0.362A	29.09	1.09

EQUATIONS FOR ESTIMATING EYE HEIGHT, SITTING — NO. 24

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.182	63.20	2.73	7	0.375	12.92	2.07	8	0.376	12.51	2.06
9	0.387	19.84	2.19	10	0.376	24.13	2.26	11	0.397	21.30	2.22
12	0.363	30.75	2.40	13	0.382	35.40	2.53	14	0.355	40.64	2.62
15	0.326	46.75	2.72	16	0.321	47.31	2.75	17	0.308	51.31	2.80
18	0.541	50.99	2.77	19	0.321	49.79	2.77	22	0.850	2.07	1.31
23	0.895	-2.91	1.14	25	0.964	17.79	1.67	26	1.004	50.24	2.51
27	0.693	57.97	2.54	28	0.590	49.49	2.85	30	0.456	47.52	2.81
31	0.770	49.83	2.79	32	0.718	56.91	2.90	33	0.263	54.21	2.88
34	0.241	53.50	2.82	35	0.200	33.86	2.54	43	0.179	56.94	2.89
44	0.184	56.17	2.85	46	0.463	56.90	2.87	49	0.815	56.52	2.87
50	0.299	27.53	2.27	51	0.341	22.53	2.09	52	0.184	55.30	2.84
53	0.427	57.86	2.90	62	1.712	48.09	2.80	63	0.632	51.05	2.88
68	0.511	55.84	2.84	70	4.171	48.12	2.78	71	4.120	48.57	2.79
72	2.234	55.57	2.89	73	2.328	54.76	2.88	78	0.816	63.56	2.88
81	0.273	55.90	2.86	83	0.297	59.04	2.90	85	0.834	39.92	2.44
86	0.791	47.14	2.64	87	0.412	55.52	2.89	89	0.582	42.67	2.72
90	0.413	40.84	2.73	91	1.222	51.24	2.82	94	1.220	44.34	2.73
139	0.351	15.93	2.15	140	0.198	62.44	2.71	999	0.325A	24.88	1.08

DIVIDE SLOPES MARKED 'A' BY 10. DIVIDE THOSE MARKED 'B' BY 100.

TABLE XXVI

SIMPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING MIDSHOULDER HEIGHT, SITTING — NO. 25

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.176	47.84	2.31	7	0.317	6.61	1.85	8	0.317	6.41	1.85
9	0.339	10.81	1.89	10	0.350	11.85	1.84	11	0.344	12.59	1.94
12	0.321	20.02	2.06	13	0.330	24.91	2.21	14	0.303	29.77	2.29
15	0.293	33.77	2.35	16	0.282	34.81	2.38	17	0.270	38.37	2.43
18	0.462	38.60	2.42	19	0.274	37.58	2.42	22	0.696	-0.66	1.40
23	0.739	-5.26	1.26	24	0.728	4.34	1.45	26	0.855	38.02	2.21
27	0.697	42.17	2.03	28	0.516	36.82	2.48	30	0.406	34.68	2.43
31	0.681	36.88	2.42	32	0.674	42.24	2.49	33	0.270	37.98	2.44
34	0.212	40.23	2.45	35	0.177	22.73	2.19	36	0.527	40.21	2.51
37	0.173	40.63	2.51	43	0.181	41.05	2.46	44	0.179	40.94	2.43
46	0.438	42.10	2.47	49	0.751	42.16	2.48	50	0.291	13.06	1.75
51	0.331	8.33	1.53	52	0.182	39.80	2.42	53	0.457	41.04	2.44
59	0.486	44.89	2.51	60	0.631	43.18	2.51	62	1.519	35.27	2.43
63	0.524	39.22	2.52	67	0.464	46.80	2.50	68	0.463	41.81	2.45
69	0.316	45.93	2.50	70	3.456	36.80	2.44	71	3.649	35.73	2.42
81	0.233	42.80	2.50	83	0.265	44.91	2.51	85	0.771	26.76	2.04
86	0.673	35.40	2.31	87	0.369	41.71	2.50	89	0.487	32.03	2.39
90	0.363	29.11	2.37	91	0.998	39.65	2.48	94	1.073	32.17	2.37
139	0.300	8.62	1.91	140	0.190	47.19	2.28	999	0.314A	18.84	0.91

EQUATIONS FOR ESTIMATING WAIST HEIGHT, SITTING — NO. 26

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.890A	18.23	1.60	7	0.117	4.40	1.59	8	0.117	4.33	1.58
9	0.125	5.97	1.59	10	0.125	6.89	1.59	11	0.128	6.47	1.60
12	0.113	10.00	1.63	13	0.160	7.32	1.58	22	0.290	-1.07	1.45
23	0.304	-2.65	1.44	24	0.323	-0.44	1.43	25	0.364	2.26	1.44
27	0.300	16.56	1.57	43	0.103	13.72	1.64	44	0.109	12.98	1.60
50	0.124	4.22	1.51	51	0.141	2.21	1.47	52	0.109	12.47	1.60
53	0.246	14.24	1.64	68	0.281	13.54	1.62	69	0.214	15.20	1.62
139	0.107	5.76	1.60	140	0.946A	17.99	1.59	999	0.159A	7.18	0.63

EQUATIONS FOR ESTIMATING ELBOW REST HEIGHT — NO. 27

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
22	0.408	-11.68	2.07	23	0.424	-13.59	2.06	24	0.449	-10.39	2.04
25	0.598	-11.98	1.88	26	0.605	8.57	2.23	50	0.154	-1.08	2.22
51	0.180	-4.31	2.16	85	0.407	6.22	2.29	86	0.406	9.07	2.33

DIVIDE SLOPES MARKED 'A' BY 10. DIVIDE THOSE MARKED 'B' BY 100.

TABLE XXVI

SIMPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING POPLITEAL HEIGHT — NO. 28

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.915A	35.76	1.73	7	0.225	4.57	1.28	8	0.226	4.27	1.27
9	0.251	6.11	1.24	10	0.250	8.08	1.26	11	0.262	6.46	1.24
12	0.261	10.17	1.27	13	0.315	9.46	1.20	14	0.328	10.49	1.16
15	0.327	14.01	1.23	16	0.349	12.36	1.16	17	0.348	15.75	1.25
18	0.577	16.82	1.26	19	0.364	13.93	1.15	21	1.148	33.27	1.73
22	0.226	22.00	1.71	23	0.234	21.02	1.71	24	0.218	24.98	1.74
25	0.253	26.37	1.73	29	0.377	23.06	1.54	30	0.461	14.57	1.41
31	0.720	18.72	1.45	32	0.836	21.50	1.47	33	0.273	20.81	1.53
34	0.185	25.54	1.63	35	0.146	11.96	1.38	51	0.100	26.04	1.74
59	0.338	31.93	1.76	62	0.924	27.22	1.74	63	0.371	27.75	1.76
70	2.163	27.78	1.74	71	2.238	27.39	1.73	78	0.566	34.01	1.72
87	0.491	19.38	1.43	89	0.418	18.76	1.57	90	0.364	12.08	1.42
91	1.080	21.19	1.55	92	1.621	28.80	1.75	94	0.976	17.56	1.50
139	0.214	5.82	1.31	140	0.100	35.36	1.72	999	0.163A	14.09	0.68

EQUATIONS FOR ESTIMATING BUTTOCK-POPLITEAL LENGTH — NO. 29

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.207	35.76	2.28	7	0.300	-0.92	2.09	8	0.300	-1.11	2.09
9	0.336	0.94	2.04	10	0.339	3.01	2.04	11	0.358	0.45	2.00
12	0.346	6.77	2.09	13	0.435	4.09	1.94	14	0.437	7.00	1.97
15	0.450	10.51	1.98	16	0.472	8.91	1.94	17	0.456	14.56	2.08
18	0.711	17.86	2.18	19	0.490	11.20	1.93	23	0.280	23.74	2.61
28	0.828	13.72	2.29	30	0.906	-4.32	1.38	31	1.014	16.27	2.21
32	1.126	21.38	2.29	33	0.366	20.58	2.36	34	0.276	24.57	2.41
35	0.201	7.67	2.16	37	0.210	26.62	2.54	38	0.194	31.37	2.59
39	0.167	32.73	2.59	40	0.200	32.85	2.58	41	0.196	34.54	2.54
42	0.132	36.41	2.59	43	0.237	25.52	2.42	44	0.219	26.85	2.42
45	0.277	32.34	2.50	46	0.533	28.36	2.48	50	0.177	20.38	2.48
51	0.183	20.25	2.48	52	0.219	25.81	2.41	53	0.470	30.27	2.54
59	0.552	32.82	2.58	60	0.697	31.35	2.59	61	0.618	32.28	2.59
62	1.315	28.03	2.60	63	0.579	26.96	2.59	64	0.440	29.29	2.56
65	0.461	34.81	2.61	67	0.535	34.80	2.56	68	0.530	29.18	2.50
69	0.342	34.65	2.58	70	3.224	27.94	2.58	71	3.369	27.16	2.57
74	0.491	36.10	2.59	75	0.546	38.42	2.60	76	0.518	36.89	2.53
77	0.687	33.18	2.47	78	1.052	34.63	2.42	87	0.648	19.12	2.27
89	0.614	14.97	2.33	90	0.511	7.04	2.18	91	1.286	24.07	2.47
94	1.281	16.88	2.35	139	0.295	-0.85	2.07	140	0.219	35.25	2.26
999	0.370A	14.07	0.90								

DIVIDE SLOPES MARKED 'A' BY 10. DIVIDE THOSE MARKED 'B' BY 100.

TABLE XXVI

SIMPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING BUTTOCK-KNEE LENGTH — NO. 30

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.243	43.40	1.90	7	0.337	2.80	1.68	8	0.337	2.58	1.68
9	0.376	5.09	1.62	10	0.379	7.45	1.62	11	0.397	5.02	1.58
12	0.382	12.23	1.73	13	0.474	9.90	1.55	14	0.473	13.37	1.60
15	0.492	16.75	1.59	16	0.513	15.25	1.54	17	0.491	21.73	1.78
18	0.770	25.10	1.89	19	0.530	17.94	1.54	22	0.326	29.95	2.41
23	0.358	26.78	2.38	24	0.338	32.52	2.42	25	0.398	34.35	2.41
28	0.924	19.50	2.00	29	0.826	18.02	1.32	31	1.105	23.17	1.93
32	1.219	28.92	2.04	33	0.410	27.03	2.10	34	0.313	31.19	2.14
35	0.228	12.00	1.77	36	0.550	38.87	2.47	37	0.247	32.63	2.31
38	0.233	37.80	2.37	39	0.197	39.75	2.38	40	0.237	39.81	2.37
41	0.228	42.11	2.32	42	0.154	44.24	2.38	43	0.272	31.96	2.15
44	0.255	33.13	2.14	45	0.320	39.68	2.26	46	0.646	33.98	2.19
47	0.524	39.54	2.36	48	0.515	39.80	2.36	49	0.784	40.90	2.43
50	0.214	24.38	2.19	51	0.223	23.96	2.19	52	0.257	31.73	2.12
53	0.557	36.76	2.31	54	0.423	45.82	2.44	55	0.439	46.18	2.43
56	0.453	45.29	2.42	57	0.416	46.75	2.44	58	0.434	45.91	2.42
59	0.680	39.08	2.34	60	0.896	36.39	2.33	61	0.798	37.50	2.34
62	1.703	31.95	2.34	63	0.680	33.05	2.39	64	0.524	35.49	2.34
65	0.543	42.23	2.42	66	0.575	46.77	2.48	67	0.638	42.03	2.33
68	0.626	35.54	2.24	69	0.415	41.58	2.35	70	3.873	33.67	2.35
71	4.020	32.90	2.34	72	2.086	40.50	2.46	73	2.235	39.24	2.45
74	0.569	43.98	2.39	75	0.625	46.79	2.42	76	0.588	45.14	2.32
77	0.800	40.51	2.21	78	1.244	41.96	2.12	81	0.241	41.71	2.46
83	0.301	42.56	2.44	84	0.296	44.95	2.47	85	0.384	41.87	2.49
86	0.443	42.55	2.49	87	0.704	26.36	2.01	89	0.699	20.16	2.03
90	0.571	11.99	1.83	91	1.413	31.45	2.26	92	2.330	39.83	2.47
93	1.050	38.19	2.46	94	1.462	22.24	2.05	95	1.909	40.50	2.46
98	0.559	26.76	2.47	107	0.899	38.38	2.49	139	0.331	2.94	1.66
140	0.254	42.98	1.90	999	0.434A	17.09	0.75				

EQUATIONS FOR ESTIMATING ACROMION-RADIALE LENGTH — NO. 31

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.953A	25.50	1.46	7	0.196	-0.77	1.12	8	0.196	-0.89	1.12
9	0.216	0.94	1.10	10	0.223	1.60	1.07	11	0.225	1.31	1.10
12	0.220	4.98	1.15	13	0.270	3.93	1.08	14	0.275	5.39	1.08
15	0.290	7.03	1.06	16	0.288	7.33	1.10	17	0.291	9.85	1.14
18	0.440	12.53	1.25	19	0.302	8.51	1.08	21	0.890	24.98	1.54
22	0.215	12.89	1.47	23	0.230	11.32	1.45	24	0.218	14.94	1.48
25	0.255	16.22	1.48	28	0.550	8.43	1.26	29	0.352	14.21	1.30
30	0.421	6.83	1.19	32	0.745	13.58	1.27	33	0.271	10.92	1.24
34	0.195	14.66	1.32	35	0.137	3.71	1.12	37	0.107	20.26	1.53
50	0.967A	16.07	1.48	51	0.111	14.35	1.45	52	0.852A	22.49	1.54
53	0.265	21.18	1.51	59	0.318	22.43	1.52	62	0.863	18.09	1.51
63	0.354	18.32	1.52	70	1.992	18.79	1.51	71	2.077	18.33	1.50
78	0.483	25.00	1.51	85	0.241	21.24	1.54	87	0.492	9.30	1.11
89	0.482	5.31	1.14	90	0.376	1.08	1.04	91	0.971	13.16	1.33
92	1.375	20.62	1.54	94	0.833	10.96	1.33	139	0.190	-0.27	1.12
140	0.104	25.09	1.44	999	0.170A	10.04	0.57				

DIVIDE SLOPES MARKED 'A' BY 10. DIVIDE THOSE MARKED 'B' BY 100.

TABLE XXVI

SIMPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING RADIALE-STYLION LENGTH NO. 32

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.683A	19.44	1.27	7	0.152	-1.25	1.02	8	0.152	-1.35	1.02
9	0.171	-0.42	0.99	10	0.169	1.10	1.01	11	0.177	0.02	1.00
12	0.176	2.56	1.01	13	0.212	2.13	0.98	14	0.215	3.36	0.98
15	0.222	5.03	0.99	16	0.226	4.81	0.99	17	0.233	6.45	1.01
18	0.402	6.51	0.98	19	0.243	5.28	0.95	20	0.385	19.08	1.26
22	0.152	10.58	1.28	23	0.163	9.43	1.27	24	0.144	12.77	1.30
25	0.179	13.01	1.28	28	0.452	4.83	1.08	29	0.277	10.17	1.13
30	0.329	4.49	1.06	31	0.528	7.02	1.07	33	0.218	7.23	1.08
34	0.162	9.81	1.12	35	0.110	1.47	0.99	50	0.694A	12.67	1.28
51	0.770A	11.83	1.27	59	0.267	16.18	1.28	62	0.657	13.56	1.29
63	0.305	12.45	1.27	70	1.497	14.20	1.29	71	1.607	13.58	1.28
78	0.376	18.71	1.28	87	0.446	3.71	0.84	89	0.312	6.75	1.14
90	0.302	-0.65	0.93	91	0.659	11.27	1.21	94	0.714	6.20	1.11
139	0.144	-0.32	1.04	140	0.738A	19.19	1.26	999	0.122A	7.65	0.50

EQUATIONS FOR ESTIMATING THUMB-TIP REACH NO. 33

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.223	61.26	3.49	7	0.417	6.53	2.96	8	0.416	6.43	2.96
9	0.465	9.41	2.91	10	0.465	12.82	2.92	11	0.479	10.90	2.93
12	0.466	18.99	3.02	13	0.562	17.77	2.94	14	0.559	22.06	2.99
15	0.590	25.35	2.95	16	0.593	25.38	2.99	17	0.606	30.07	3.04
18	0.992	32.48	3.08	19	0.631	27.12	2.93	22	0.465	34.94	3.57
23	0.481	32.96	3.56	24	0.423	42.95	3.65	25	0.574	40.84	3.56
28	1.185	25.49	3.19	29	0.724	39.59	3.32	30	0.888	23.14	3.09
31	1.539	26.41	2.96	32	1.747	33.27	3.05	34	0.472	34.56	3.12
35	0.288	16.75	2.99	50	0.219	40.31	3.57	51	0.245	37.37	3.53
53	0.559	53.39	3.66	59	0.725	54.57	3.65	62	2.118	42.44	3.57
63	0.872	42.88	3.60	67	0.685	57.60	3.64	70	4.463	46.76	3.63
71	4.769	45.04	3.60	85	0.592	50.15	3.65	87	1.089	26.08	2.85
89	0.964	22.73	3.11	90	0.804	10.15	2.81	91	2.115	35.25	3.30
92	3.523	47.52	3.63	93	1.474	47.13	3.64	94	2.033	25.20	3.13
95	2.543	51.58	3.66	139	0.406	7.30	2.95	140	0.235	60.76	3.49
999	0.398A	24.12	1.38								

EQUATIONS FOR ESTIMATING THUMB-TIP REACH, EXTENDED NO. 34

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.274	68.01	4.42	7	0.497	3.27	3.86	8	0.496	3.11	3.85
9	0.546	7.83	3.84	10	0.548	11.57	3.84	11	0.565	9.25	3.85
12	0.559	17.69	3.91	13	0.665	17.15	3.85	14	0.655	22.82	3.93
15	0.713	24.89	3.81	16	0.677	28.18	3.98	17	0.709	32.29	3.99
18	1.130	36.39	4.07	19	0.737	28.92	3.87	22	0.588	34.28	4.49
23	0.645	28.62	4.43	24	0.613	38.65	4.50	25	0.712	42.54	4.50
28	1.269	31.74	4.27	29	0.864	42.61	4.26	30	1.075	22.10	3.97
31	1.755	29.42	3.96	32	2.054	35.80	3.99	33	0.747	28.46	3.92
35	0.394	5.34	3.52	50	0.302	37.20	4.42	51	0.331	34.16	4.37
52	0.257	58.13	4.62	53	0.693	58.12	4.61	59	0.934	58.64	4.59
62	2.507	46.32	4.54	63	1.119	43.72	4.52	70	5.809	48.20	4.54
71	5.803	48.43	4.55	78	1.334	67.24	4.58	87	1.281	27.31	3.77
89	1.112	24.54	4.08	90	0.941	8.94	3.75	91	2.316	41.26	4.34
94	2.307	28.31	4.13	139	0.487	3.67	3.84	140	0.288	67.45	4.42
999	0.489A	26.78	1.74								

DIVIDE SLOPES MARKED 'A' BY 10. DIVIDE THOSE MARKED 'B' BY 100.

TABLE XXVI

SIMPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING OVERHEAD REACH — NO. 35

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.552	167.36	7.48	7	1.214	2.43	4.48	8	1.213	1.81	4.46
9	1.327	14.51	4.43	10	1.340	22.53	4.40	11	1.394	15.22	4.31
12	1.368	37.37	4.73	13	1.588	39.98	4.71	14	1.598	50.37	4.83
15	1.665	61.58	4.77	16	1.616	66.37	5.29	17	1.665	78.18	5.45
18	2.642	88.31	5.82	19	1.726	70.63	4.99	20	2.098	175.76	8.07
22	1.563	67.50	6.89	23	1.662	56.96	6.75	24	1.563	84.03	7.10
25	1.830	93.09	7.04	28	3.085	72.59	6.35	29	1.931	107.10	6.70
30	2.402	61.28	5.76	31	3.807	81.19	5.91	32	4.303	98.59	6.21
33	1.404	95.15	6.60	34	1.214	97.45	6.18	37	0.542	144.80	8.09
44	0.457	155.69	8.10	46	1.287	152.51	8.05	50	0.662	97.00	7.25
51	0.762	84.88	6.95	52	0.487	150.53	8.03	53	1.296	151.15	8.03
59	2.010	145.00	7.77	62	5.064	123.46	7.76	63	2.399	113.24	7.60
70	12.174	124.56	7.70	71	12.541	122.71	7.68	78	2.741	165.14	7.84
79	3.035	154.73	7.98	85	1.808	125.98	7.56	86	1.606	145.30	7.96
87	2.657	81.98	5.66	89	2.374	72.65	6.37	90	1.973	42.21	5.51
91	5.054	106.32	7.05	92	7.773	140.51	8.00	93	3.185	140.88	8.06
94	5.010	78.64	6.43	95	6.380	142.65	7.95	98	1.730	104.31	8.08
104	2.471	145.09	8.08	139	1.171	6.47	4.56	140	0.587	165.83	7.45
999	0.985A	65.90	2.95								

EQUATIONS FOR ESTIMATING NECK CIRCUMFERENCE — NO. 36

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.130	26.24	1.36	4	1.260	32.13	1.56	7	0.890A	19.32	1.59
8	0.884A	19.36	1.59	23	0.172	19.03	1.59	25	0.210	21.57	1.58
30	0.223	20.94	1.57	37	0.171	16.58	1.43	38	0.179	18.67	1.42
39	0.148	20.47	1.45	40	0.171	21.04	1.46	41	0.165	22.66	1.41
42	0.103	24.93	1.50	43	0.149	19.80	1.45	44	0.132	21.17	1.48
45	0.166	24.54	1.52	46	0.323	22.02	1.51	47	0.295	23.68	1.54
48	0.286	23.96	1.54	49	0.446	24.35	1.58	50	0.118	15.53	1.47
51	0.120	15.74	1.48	52	0.139	19.85	1.45	53	0.375	19.84	1.44
54	0.357	23.95	1.45	55	0.339	25.07	1.49	56	0.340	24.64	1.48
57	0.341	25.00	1.46	58	0.346	24.57	1.46	59	0.357	24.12	1.55
60	0.635	18.84	1.43	61	0.545	20.14	1.46	62	1.046	18.10	1.50
63	0.397	19.52	1.55	64	0.383	17.71	1.42	65	0.405	22.41	1.49
66	0.368	26.93	1.58	67	0.440	23.13	1.44	68	0.299	23.29	1.54
69	0.229	25.00	1.54	70	1.833	22.51	1.58	71	1.898	22.17	1.58
74	0.394	24.43	1.49	75	0.456	25.99	1.49	76	0.351	26.42	1.50
77	0.417	24.93	1.50	78	0.516	27.33	1.55	80	0.295	26.23	1.58
81	0.193	21.16	1.50	82	0.253	24.88	1.56	83	0.201	23.82	1.54
84	0.214	24.73	1.54	89	0.244	20.74	1.57	90	0.193	18.39	1.55
92	1.571	21.88	1.56	93	0.649	21.86	1.57	94	0.482	22.15	1.59
98	0.346	14.77	1.58	115	1.232	17.87	1.56	116	0.919	21.90	1.59
139	0.900A	18.93	1.58	140	0.133	26.18	1.38	999	0.232A	10.33	0.54

DIVIDE SLOPES MARKED 'A' BY 10. DIVIDE THOSE MARKED 'B' BY 100.

TABLE XXVI

SIMPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING SHOULDER CIRCUMFERENCE NO. 37

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.570	67.50	2.83	3	5.004	90.89	4.36	4	6.164	92.49	4.18
5	3.955	92.61	4.33	7	0.285	54.21	4.84	8	0.285	54.03	4.84
9	0.311	57.12	4.84	10	0.329	57.03	4.81	11	0.346	54.74	4.80
25	0.645	63.00	4.84	29	0.728	65.68	4.73	30	0.941	46.37	4.50
31	1.067	67.33	4.84	35	0.195	61.56	4.86	36	1.610	46.08	4.37
38	0.910	23.75	2.45	39	0.730	34.91	3.01	40	0.844	37.68	3.09
41	0.727	51.56	3.25	42	0.496	57.93	3.66	43	0.684	36.37	3.43
44	0.612	42.11	3.58	45	0.833	54.20	3.75	46	1.362	50.97	4.11
47	1.296	56.16	4.23	48	1.257	57.38	4.26	49	1.654	65.54	4.67
50	0.453	30.46	4.09	51	0.442	34.08	4.24	52	0.622	38.21	3.48
53	1.663	38.72	3.45	54	1.759	52.15	3.08	55	1.698	56.92	3.35
56	1.696	54.97	3.31	57	1.631	58.56	3.31	58	1.639	56.92	3.34
59	1.469	60.78	4.42	60	2.792	34.87	3.41	61	2.442	39.42	3.55
62	4.089	39.23	4.24	63	1.823	35.07	4.18	64	1.978	17.59	2.34
65	2.063	42.66	3.29	66	1.858	65.98	4.26	67	1.909	54.35	3.57
68	1.404	51.32	4.09	69	1.105	58.21	4.05	70	7.618	53.69	4.58
71	7.783	52.93	4.57	72	4.224	66.13	4.77	73	4.642	62.63	4.72
74	1.867	56.27	3.66	75	2.061	65.35	3.81	76	1.660	65.73	3.75
77	1.925	59.69	3.81	78	2.328	71.46	4.23	80	1.399	64.75	4.41
81	0.802	48.11	4.06	82	1.394	51.54	3.85	83	0.896	56.16	4.21
84	1.092	54.39	3.91	86	1.018	66.23	4.74	88	1.854	62.65	4.48
89	1.138	39.74	4.35	90	0.758	40.09	4.48	92	4.681	65.05	4.80
93	2.403	56.39	4.65	94	1.561	62.84	4.83	98	1.046	43.02	4.85
115	3.717	52.50	4.79	117	2.988	69.98	4.86	125	0.343	90.16	4.75
139	0.303	50.54	4.79	140	0.582	67.30	2.98	999	0.102	26.55	1.11

EQUATIONS FOR ESTIMATING CHEST CIRCUMFERENCE AT SCYE NO. 38

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.530	53.65	2.96	3	4.587	75.52	4.29	4	6.236	76.23	3.94
5	3.917	76.52	4.13	29	0.628	54.29	4.65	30	0.827	36.76	4.46
36	1.571	31.23	4.21	37	0.849	-1.00	2.37	39	0.773	14.89	2.28
40	0.837	22.04	2.84	41	0.714	36.27	3.05	42	0.487	42.54	3.47
43	0.643	24.04	3.43	44	0.566	30.32	3.61	45	0.754	42.42	3.81
46	1.246	39.02	4.08	47	1.141	45.29	4.25	48	1.096	46.73	4.29
49	1.427	54.16	4.61	50	0.459	13.37	3.83	51	0.444	17.62	4.02
52	0.589	25.35	3.43	53	1.641	23.37	3.24	54	1.702	37.55	2.96
55	1.615	42.89	3.31	56	1.580	41.91	3.35	57	1.546	44.58	3.28
58	1.567	42.66	3.27	59	1.401	46.45	4.29	60	2.562	24.10	3.49
61	2.249	28.08	3.60	62	3.713	28.69	4.20	63	1.435	32.81	4.37
64	1.776	9.88	2.78	65	1.985	28.68	3.19	66	1.864	49.71	4.04
67	1.834	40.00	3.47	68	1.276	39.63	4.08	69	1.030	44.91	3.99
70	6.803	42.52	4.50	71	6.925	42.00	4.50	72	3.899	52.60	4.64
73	4.247	49.68	4.60	74	1.946	38.24	3.24	75	2.046	49.44	3.60
76	1.630	50.20	3.56	77	1.801	46.15	3.77	78	2.002	59.35	4.28
80	1.444	47.43	4.15	81	0.797	32.27	3.86	82	1.263	39.97	3.89
83	0.853	42.12	4.10	84	1.029	40.88	3.84	86	0.931	52.99	4.62
88	1.737	48.87	4.37	89	0.947	33.76	4.41	90	0.626	34.43	4.51
92	4.168	52.76	4.69	93	2.305	42.03	4.50	115	3.448	39.81	4.65
125	0.297	75.37	4.67	140	0.542	53.41	3.08	999	0.946A	21.13	1.16

DIVIDE SLOPES MARKED 'A' BY 10. DIVIDE THOSE MARKED 'B' BY 100.

TABLE XXVI

SIMPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING BUST CIRCUMFERENCE — NO. 39

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.606	54.74	3.43	3	5.500	79.26	4.85	4	7.384	80.23	4.44
5	4.883	80.09	4.56	29	0.713	55.71	5.35	30	0.922	36.78	5.16
36	1.717	31.78	4.92	37	0.899	-0.55	3.34	38	1.021	3.71	2.62
40	0.975	17.26	3.16	41	0.829	34.01	3.45	42	0.577	40.31	3.86
43	0.737	20.72	3.95	44	0.639	28.85	4.21	45	0.867	41.63	4.37
46	1.403	38.79	4.73	47	1.242	47.32	4.97	48	1.193	48.89	5.01
49	1.505	57.99	5.36	50	0.517	9.89	4.46	51	0.496	15.29	4.68
52	0.673	22.43	3.96	53	1.780	23.69	3.99	54	1.892	37.81	3.59
55	1.814	43.27	3.90	56	1.766	42.41	3.97	57	1.723	45.51	3.91
58	1.740	43.55	3.92	59	1.449	50.64	5.08	60	2.730	25.64	4.28
61	2.384	30.19	4.40	62	3.888	31.55	4.99	63	1.288	43.56	5.30
64	1.868	11.51	3.72	65	2.188	28.47	3.87	66	2.652	40.58	3.96
67	2.081	39.52	4.04	68	1.417	40.18	4.76	69	1.196	44.05	4.56
70	7.201	45.56	5.26	71	7.098	46.42	5.29	72	4.266	55.10	5.37
73	4.647	51.90	5.33	74	2.596	28.35	2.71	75	2.465	47.79	3.94
76	1.973	48.51	3.88	77	2.103	45.24	4.28	78	2.228	62.02	4.97
80	1.937	40.34	4.37	81	1.017	23.40	4.07	82	1.342	42.68	4.67
83	0.865	47.00	4.94	84	1.167	40.54	4.45	86	1.155	50.94	5.23
88	1.772	53.64	5.17	89	0.945	39.34	5.23	90	0.623	40.15	5.31
93	2.307	47.47	5.30	140	0.619	54.51	3.57	999	0.108	21.58	1.35

EQUATIONS FOR ESTIMATING CHEST CIRCUMFERENCE BELOW BUST — NO. 40

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.511	44.82	2.98	3	4.362	66.02	4.25	4	5.743	66.94	3.99
5	3.737	66.96	4.10	10	0.291	35.95	4.60	29	0.623	44.60	4.55
30	0.808	27.92	4.38	36	1.441	25.69	4.23	37	0.757	-1.69	2.92
38	0.805	6.51	2.78	39	0.710	10.62	2.70	41	0.704	27.01	2.97
42	0.480	33.22	3.39	43	0.615	16.74	3.45	44	0.535	23.35	3.65
45	0.719	34.44	3.80	46	1.199	30.80	4.04	47	1.126	35.88	4.16
48	1.097	36.77	4.17	49	1.450	43.75	4.49	50	0.426	8.54	3.89
51	0.409	12.95	4.06	52	0.564	17.93	3.45	53	1.483	19.31	3.49
54	1.474	33.88	3.44	55	1.481	36.40	3.49	56	1.460	35.21	3.50
57	1.417	37.96	3.47	58	1.417	36.72	3.51	59	1.235	41.01	4.34
60	2.343	19.32	3.64	61	2.038	23.43	3.75	62	3.440	22.85	4.21
63	1.178	32.10	4.47	64	1.560	9.00	3.27	65	1.907	20.94	3.22
66	1.754	41.82	4.04	67	1.831	30.15	3.34	68	2.189	32.75	4.09
69	0.978	36.98	3.98	70	6.470	34.64	4.44	71	6.493	34.71	4.46
72	3.892	42.74	4.54	73	4.311	39.24	4.49	74	1.897	29.48	3.20
75	2.052	39.41	3.45	76	1.630	40.27	3.43	77	1.720	37.94	3.77
78	1.935	50.26	4.22	80	1.246	42.56	4.26	81	0.689	29.39	4.05
82	1.094	35.97	4.07	83	0.747	37.43	4.20	84	1.039	30.54	3.69
86	0.959	42.12	4.49	88	1.475	44.29	4.44	89	0.848	29.11	4.42
90	0.575	28.57	4.48	93	2.034	37.07	4.50	115	3.308	31.69	4.58
117	2.814	45.66	4.60	139	0.251	33.01	4.61	140	0.523	44.57	3.10
999	0.913A	17.64	1.17								

DIVIDE SLOPES MARKED 'A' BY 10. DIVIDE THOSE MARKED 'B' BY 100.

TABLE XXVI

SIMPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING WAIST CIRCUMFERENCE — NO. 41

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.600	32.56	3.10	3	5.453	56.82	4.60	4	7.300	57.82	4.18
5	5.005	57.33	4.20	29	0.772	30.37	5.05	30	0.985	10.64	4.82
36	1.757	7.91	4.62	37	0.826	-15.74	3.46	38	0.870	-6.09	3.37
39	0.764	-1.35	3.32	40	0.891	0.98	3.34	42	0.610	14.96	3.21
43	0.784	-6.21	3.29	44	0.658	4.51	3.79	45	0.887	18.00	4.00
46	1.457	14.31	4.37	47	1.286	23.29	4.65	48	1.245	24.58	4.68
49	1.600	33.47	5.07	50	0.478	-6.61	4.38	51	0.461	-1.98	4.57
52	0.698	-2.59	3.46	53	1.708	3.84	3.84	54	1.769	18.66	3.59
55	1.723	23.07	3.79	56	1.689	21.95	3.83	57	1.669	24.37	3.72
58	1.665	23.02	3.78	59	1.414	29.06	4.86	60	2.714	3.49	4.00
61	2.355	8.39	4.15	62	3.855	9.52	4.74	63	1.275	21.50	5.06
64	1.749	-6.03	3.69	65	1.954	12.50	4.00	66	2.014	29.88	4.50
67	2.508	6.69	2.54	68	1.484	15.31	4.38	69	1.214	20.84	4.24
70	6.491	27.39	5.10	71	6.795	25.75	5.08	72	4.144	33.57	5.15
73	4.569	30.01	5.10	74	2.090	17.79	3.70	75	2.769	20.09	2.93
76	2.103	23.27	3.18	77	2.163	21.45	3.87	78	2.234	39.42	4.71
80	1.558	27.48	4.62	81	0.860	11.11	4.32	82	1.187	25.59	4.65
83	0.807	27.35	4.79	84	1.067	22.23	4.40	86	1.085	30.77	5.05
88	1.478	37.10	5.10	89	0.872	20.71	5.06	90	0.609	18.74	5.09
93	2.224	26.46	5.09	94	1.553	29.82	5.19	115	3.863	17.41	5.12
140	0.610	32.50	3.28	999	0.107	12.84	1.22				

EQUATIONS FOR ESTIMATING ABDOMINAL EXTENSION CIRCUMFERENCE — NO. 42

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.768	41.30	4.43	3	7.867	70.67	5.89	4	9.430	73.52	5.67
5	6.318	73.18	5.78	6	4.755	78.06	6.85	29	0.921	41.70	6.82
30	1.175	18.17	6.59	36	1.939	20.20	6.51	37	0.996	-14.37	5.18
38	1.048	-2.65	5.09	39	0.940	1.30	4.92	40	1.075	5.74	5.06
41	1.077	13.27	4.27	43	1.079	-15.39	4.08	44	0.924	-2.39	4.70
45	1.235	17.13	5.08	46	1.956	14.64	5.78	47	1.674	28.49	6.23
48	1.648	29.23	6.23	49	2.013	43.20	6.80	50	0.633	-12.11	5.84
51	0.604	-5.00	6.11	52	0.958	-10.15	4.35	53	2.110	7.37	5.45
54	2.304	22.43	4.89	55	2.311	26.46	4.99	56	2.240	25.63	5.11
57	2.242	28.11	4.88	58	2.212	26.94	5.02	59	1.576	43.13	6.72
60	3.265	8.99	5.72	61	2.807	15.54	5.90	62	4.227	22.40	6.63
64	2.137	-3.84	5.34	65	2.384	18.90	5.67	66	2.424	40.72	6.24
67	2.631	22.16	5.20	68	2.186	9.20	5.43	69	1.832	15.68	5.05
70	7.563	39.26	6.90	71	7.766	38.26	6.89	72	5.445	41.45	6.85
73	6.006	36.76	6.79	74	2.628	23.51	5.22	75	3.258	30.21	4.83
76	2.823	26.67	4.15	77	2.872	24.89	5.16	78	2.843	50.29	6.35
80	2.023	34.07	6.19	81	1.077	15.40	5.93	82	1.431	35.48	6.39
83	1.027	34.92	6.45	84	1.302	30.77	6.10	88	1.804	48.90	6.86
89	1.033	30.57	6.84	115	4.613	26.19	6.90	140	0.783	41.10	4.62
999	0.137	16.28	1.74								

DIVIDE SLOPES MARKED 'A' BY 10. DIVIDE THOSE MARKED 'B' BY 100.

TABLE XXVI

SIMPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING HIP CIRCUMFERENCE-SEVEN INCHES BELOW WAIST LEVEL 43

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.662	55.42	2.53	3	6.303	81.64	4.41	4	6.675	85.05	4.55
5	4.606	84.55	4.56	6	4.075	87.14	5.17	7	0.330	40.14	5.22
8	0.327	40.42	5.23	9	0.357	43.94	5.23	10	0.377	43.92	5.19
11	0.382	43.21	5.21	13	0.394	54.13	5.30	23	0.608	41.59	5.24
24	0.598	49.56	5.28	25	0.802	47.12	5.16	26	1.065	68.75	5.27
29	0.970	47.36	4.90	30	1.224	23.34	4.56	36	1.659	37.65	4.85
37	0.809	12.40	3.73	38	0.814	25.06	3.86	39	0.707	30.20	3.87
40	0.810	33.43	3.96	41	0.816	38.80	3.35	42	0.635	39.25	3.13
44	0.872	10.56	1.92	45	1.146	30.06	2.80	46	1.858	26.19	3.67
47	1.671	36.58	4.14	48	1.642	37.43	4.14	49	2.131	48.70	4.86
50	0.566	6.23	4.01	51	0.545	11.85	4.29	52	0.856	8.04	2.01
53	1.681	31.27	4.05	54	1.800	44.25	3.67	55	1.860	46.00	3.61
56	1.823	44.79	3.66	57	1.788	47.75	3.56	58	1.789	46.16	3.61
59	1.459	54.28	4.94	60	2.876	26.12	3.94	61	2.499	31.22	4.10
62	3.970	34.24	4.82	63	1.301	47.00	5.16	64	1.751	20.32	3.85
65	1.850	41.85	4.32	66	1.841	59.52	4.81	67	2.082	43.40	3.87
68	2.107	19.96	3.07	69	1.647	30.74	3.00	70	7.557	47.28	5.08
71	7.724	46.51	5.08	72	4.937	53.57	5.12	73	5.448	49.29	5.05
74	1.956	47.39	4.11	75	2.321	54.15	4.02	76	2.047	50.87	3.52
77	2.560	39.48	3.20	78	2.772	59.16	4.38	80	1.489	55.67	4.83
81	0.820	40.15	4.57	82	1.104	54.93	4.89	83	0.812	53.53	4.91
84	1.015	50.86	4.65	86	1.006	59.86	5.23	88	1.450	64.11	5.23
89	0.972	41.81	5.07	90	0.680	39.52	5.11	93	2.177	53.76	5.23
94	1.726	52.09	5.24	115	3.682	46.18	5.27	139	0.337	38.16	5.18
140	0.673	55.35	2.79	999	0.118	21.85	1.00				

EQUATIONS FOR ESTIMATING HIP CIRCUMFERENCE-NINE INCHES BELOW WAIST LEVEL 44

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.708	54.40	2.80	3	6.762	82.40	4.76	4	6.563	86.83	5.11
5	4.660	86.08	5.05	6	4.621	87.90	5.52	7	0.361	36.75	5.61
8	0.360	36.68	5.61	9	0.398	39.87	5.60	10	0.411	41.08	5.58
11	0.424	39.30	5.58	13	0.450	50.15	5.67	22	0.657	39.90	5.62
23	0.726	33.13	5.56	24	0.714	42.65	5.61	25	0.919	41.97	5.50
26	1.316	64.52	5.57	29	1.041	45.61	5.29	30	1.332	18.78	4.89
35	0.226	50.25	5.70	36	1.697	38.00	5.30	37	0.840	10.93	4.19
38	0.832	25.18	4.38	39	0.712	31.39	4.44	40	0.817	34.55	4.51
41	0.794	41.91	4.16	42	0.631	41.23	3.88	43	1.011	0.61	2.07
45	1.274	24.60	2.70	46	2.081	19.73	3.74	47	1.868	31.49	4.31
48	1.832	32.56	4.33	49	2.414	44.37	5.15	50	0.628	-1.71	4.19
51	0.604	4.63	4.53	52	0.929	2.37	2.05	53	1.739	30.76	4.51
54	1.874	43.85	4.12	55	1.963	45.00	3.99	56	1.919	43.85	4.06
57	1.893	46.69	3.93	58	1.890	45.12	3.99	59	1.530	54.00	5.36
60	3.017	24.44	4.35	61	2.631	29.56	4.50	62	4.169	32.89	5.23
63	1.454	43.16	5.52	64	1.847	17.93	4.24	65	1.860	43.20	4.85
66	1.838	61.21	5.30	67	2.076	45.18	4.48	68	2.424	10.51	2.71
69	1.872	23.78	2.74	70	8.107	45.55	5.48	71	8.269	44.82	5.48
72	5.430	51.20	5.50	73	5.957	46.78	5.42	74	1.957	49.00	4.68
75	2.284	56.41	4.65	76	2.041	52.63	4.18	77	2.718	37.78	3.54
78	3.055	57.28	4.64	80	1.588	54.79	5.22	81	0.856	39.44	4.99
82	1.104	56.57	5.38	83	0.863	52.65	5.31	84	1.017	52.41	5.15
86	1.022	60.96	5.67	88	1.487	64.99	5.67	89	1.060	38.76	5.45
90	0.730	37.18	5.51	93	2.266	53.76	5.65	94	1.870	50.26	5.64
115	3.860	45.52	5.70	139	0.375	33.55	5.55	140	0.721	54.25	3.06
999	0.126	21.47	1.10								

TABLE XXVI

SIMPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING UPPER THIGH CIRCUMFERENCE NO. 45

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.471	28.28	2.29	3	4.885	46.18	3.28	4	4.549	49.63	3.60
5	3.405	48.76	3.48	6	3.450	49.97	3.82	29	0.647	24.61	3.82
30	0.822	8.27	3.62	36	1.048	20.11	3.84	37	0.562	-0.96	3.08
38	0.545	9.56	3.24	39	0.475	12.86	3.24	40	0.541	15.27	3.30
41	0.526	20.13	3.08	42	0.415	19.93	2.95	43	0.654	-5.76	2.11
44	0.627	-4.26	1.89	46	1.453	2.73	2.64	47	1.331	10.03	2.98
48	1.298	11.04	3.00	49	1.630	21.11	3.66	50	0.380	-3.21	3.31
51	0.351	2.80	3.54	52	0.590	-3.52	2.21	53	1.128	13.63	3.34
54	1.302	19.75	2.92	55	1.385	20.00	2.78	56	1.355	19.17	2.82
57	1.327	21.42	2.76	58	1.324	20.34	2.80	59	0.983	28.96	3.84
60	2.066	6.97	3.11	61	1.810	10.27	3.20	62	2.574	16.96	3.80
63	0.823	25.98	4.00	64	1.229	4.01	3.12	65	1.203	21.80	3.54
66	1.265	32.03	3.74	67	1.356	22.76	3.30	68	1.514	2.53	2.56
69	1.245	7.93	2.27	70	4.903	25.40	3.94	71	5.044	24.70	3.94
72	3.609	26.18	3.89	73	3.947	23.35	3.85	74	1.315	24.38	3.37
75	1.502	29.92	3.39	76	1.372	26.81	3.06	77	1.875	15.81	2.56
78	2.254	27.44	3.14	80	0.995	30.11	3.78	81	0.534	20.65	3.66
82	0.700	30.94	3.86	83	0.537	28.95	3.83	84	0.651	28.04	3.72
89	0.605	23.22	3.96	90	0.409	22.93	3.99	140	0.476	28.39	2.47
999	0.842A	11.12	0.90								

EQUATIONS FOR ESTIMATING KNEE CIRCUMFERENCE NO. 46

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.247	22.04	1.30	3	2.348	31.83	1.87	4	1.917	33.84	2.07
5	1.434	33.47	2.03	6	1.992	33.12	2.02	7	0.146	12.63	2.09
8	0.145	12.70	2.09	9	0.160	14.03	2.09	10	0.163	14.81	2.08
11	0.172	13.60	2.07	12	0.143	19.38	2.14	13	0.178	18.45	2.12
15	0.169	22.33	2.15	16	0.180	21.50	2.14	22	0.237	16.33	2.13
23	0.261	13.96	2.11	24	0.254	17.58	2.13	25	0.318	17.86	2.10
29	0.360	19.13	2.04	30	0.478	8.85	1.88	35	0.902A	18.33	2.13
36	0.590	16.39	2.04	37	0.265	9.69	1.81	38	0.260	14.40	1.86
39	0.221	16.47	1.88	40	0.260	16.98	1.88	41	0.249	19.57	1.81
42	0.189	20.11	1.80	43	0.306	7.65	1.49	44	0.295	8.20	1.41
45	0.419	13.06	1.42	47	0.799	9.02	1.38	48	0.773	9.84	1.42
49	1.157	11.91	1.71	50	0.209	4.03	1.75	51	0.197	6.74	1.86
52	0.287	7.60	1.44	53	0.565	15.34	1.86	54	0.601	19.81	1.78
55	0.679	18.91	1.65	56	0.672	18.30	1.65	57	0.651	19.60	1.64
58	0.660	18.79	1.63	59	0.616	19.68	1.98	60	1.184	8.51	1.57
61	1.032	10.53	1.64	62	1.834	8.86	1.85	63	0.494	18.59	2.12
64	0.585	11.81	1.82	65	0.575	20.20	1.98	66	0.591	25.35	2.07
67	0.664	20.28	1.87	68	0.714	11.33	1.62	69	0.574	14.38	1.56
70	3.490	14.90	2.00	71	3.620	14.22	1.99	72	2.630	14.96	1.93
73	2.828	13.28	1.90	74	0.614	21.78	1.93	75	0.730	23.88	1.91
76	0.650	22.72	1.80	77	0.872	17.86	1.64	78	1.163	21.84	1.74
80	0.484	23.96	2.07	81	0.268	18.82	2.01	82	0.341	24.35	2.11
83	0.278	22.57	2.07	84	0.320	22.82	2.04	86	0.393	23.11	2.13
89	0.374	16.36	2.08	90	0.271	14.73	2.08	92	1.889	22.03	2.14
93	1.032	17.40	2.06	94	0.811	16.78	2.07	95	1.616	21.97	2.12
98	0.449	11.67	2.14	115	1.509	16.85	2.14	139	0.149	11.78	2.07
140	0.251	22.02	1.37	999	0.441A	8.68	0.51				

DIVIDE SLOPES MARKED 'A' BY 10. DIVIDE THOSE MARKED 'B' BY 100.

TABLE XXVI

SIMPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING CALF CIRCUMFERENCE, RIGHT — NO. 47

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.225	21.15	1.48	3	2.013	30.31	1.96	4	1.588	32.10	2.11
5	1.201	31.77	2.08	6	1.890	31.13	2.02	30	0.381	12.26	2.01
36	0.529	16.29	2.06	37	0.248	9.24	1.85	38	0.234	14.43	1.92
39	0.193	16.83	1.96	40	0.240	16.31	1.92	41	0.216	19.63	1.91
42	0.159	20.53	1.92	43	0.270	8.86	1.66	44	0.260	9.37	1.61
45	0.377	13.23	1.58	46	0.786	5.61	1.37	48	0.947	1.73	0.61
49	1.300	6.73	1.50	50	0.180	6.35	1.88	51	0.167	9.08	1.96
52	0.247	9.44	1.67	53	0.498	15.67	1.94	54	0.544	19.22	1.85
55	0.630	18.01	1.72	56	0.624	17.42	1.72	57	0.605	18.62	1.71
58	0.610	17.96	1.71	59	0.512	20.33	2.05	60	1.120	7.85	1.63
61	0.986	9.52	1.67	62	1.681	8.99	1.90	63	0.477	17.05	2.11
64	0.537	11.66	1.87	65	0.531	19.28	2.00	66	0.525	24.41	2.09
67	0.584	20.05	1.94	68	0.637	11.87	1.75	69	0.502	14.97	1.73
70	3.103	15.11	2.03	71	3.185	14.71	2.03	72	2.110	17.02	2.04
73	2.312	15.32	2.01	74	0.520	21.85	2.01	75	0.599	23.95	2.01
76	0.550	22.65	1.92	77	0.783	17.58	1.76	78	1.075	20.77	1.80
80	0.400	23.95	2.12	81	0.228	19.27	2.06	82	0.314	23.14	2.11
83	0.235	22.54	2.11	84	0.306	21.25	2.04	89	0.337	16.18	2.10
90	0.228	16.00	2.12	92	1.852	20.15	2.13	93	0.970	16.38	2.07
94	0.710	17.05	2.10	95	1.707	19.01	2.08	139	0.117	14.88	2.13
140	0.225	21.34	1.56	999	0.401A	8.34	0.58				

EQUATIONS FOR ESTIMATING CALF CIRCUMFERENCE, LEFT — NO. 48

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.227	21.13	1.52	3	2.016	30.39	2.00	4	1.567	32.22	2.15
5	1.172	31.92	2.13	6	1.898	31.20	2.06	30	0.386	12.06	2.04
36	0.529	16.38	2.10	37	0.248	9.33	1.89	38	0.231	14.77	1.97
39	0.191	17.09	2.00	40	0.241	16.32	1.96	41	0.216	19.72	1.95
42	0.162	20.36	1.95	43	0.274	8.58	1.69	44	0.263	9.18	1.64
45	0.380	13.15	1.62	46	0.784	5.77	1.43	47	0.977	0.87	0.62
49	1.302	6.78	1.55	50	0.181	6.28	1.91	51	0.167	9.17	2.00
52	0.250	9.23	1.70	53	0.497	15.79	1.98	54	0.541	19.39	1.90
55	0.635	17.97	1.76	56	0.630	17.35	1.75	57	0.609	18.60	1.75
58	0.616	17.88	1.75	59	0.523	20.12	2.08	60	1.121	7.91	1.68
61	0.992	9.46	1.71	62	1.677	9.14	1.94	63	0.486	16.81	2.14
64	0.534	11.87	1.92	65	0.534	19.28	2.04	66	0.528	24.45	2.13
67	0.579	20.26	1.99	68	0.642	11.78	1.78	69	0.510	14.76	1.75
70	3.076	15.36	2.08	71	3.185	14.80	2.07	72	2.045	17.63	2.09
73	2.271	15.75	2.05	74	0.520	21.94	2.05	75	0.600	24.02	2.05
76	0.552	22.70	1.96	77	0.789	17.54	1.79	78	1.069	20.94	1.85
80	0.402	23.98	2.15	81	0.231	19.17	2.09	82	0.315	23.19	2.15
83	0.236	22.58	2.15	84	0.305	21.38	2.08	89	0.339	16.16	2.13
90	0.231	15.85	2.15	92	1.883	20.01	2.16	93	0.980	16.28	2.10
94	0.717	16.97	2.13	95	1.707	19.09	2.12	139	0.120	14.48	2.16
140	0.227	21.32	1.59	999	0.405A	8.32	0.60				

DIVIDE SLOPES MARKED 'A' BY 10. DIVIDE THOSE MARKED 'B' BY 100.

TABLE XXVI

SIMPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING ANKLE CIRCUMFERENCE — NO. 49

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.101	15.25	1.04	3	0.757	19.64	1.22	6	0.795	19.82	1.22
7	0.760A	8.77	1.21	8	0.757A	8.77	1.21	9	0.813A	9.77	1.21
10	0.808A	10.43	1.21	11	0.862A	9.71	1.21	22	0.138	9.45	1.21
23	0.153	7.99	1.19	24	0.145	10.40	1.21	25	0.176	10.88	1.20
30	0.188	10.29	1.19	36	0.263	12.21	1.21	37	0.104	10.64	1.17
38	0.963A	12.97	1.20	39	0.769A	14.19	1.21	40	0.102	13.50	1.19
41	0.886A	15.13	1.19	42	0.631A	15.68	1.20	43	0.113	10.50	1.12
44	0.111	10.51	1.10	45	0.152	12.65	1.12	46	0.375	7.47	0.97
47	0.428	6.47	0.86	48	0.416	6.84	0.87	50	0.895A	7.26	1.13
51	0.892A	7.70	1.15	52	0.104	10.69	1.12	53	0.222	12.85	1.18
54	0.208	15.38	1.19	55	0.251	14.66	1.15	56	0.252	14.33	1.15
57	0.236	15.03	1.16	58	0.244	14.61	1.15	59	0.286	13.37	1.18
60	0.544	8.31	1.05	61	0.476	9.20	1.07	62	1.084	4.87	1.03
63	0.264	11.62	1.21	64	0.229	11.50	1.17	65	0.226	14.76	1.21
67	0.251	15.03	1.19	68	0.273	11.54	1.14	69	0.197	13.56	1.16
70	1.914	9.35	1.15	71	1.971	9.06	1.14	72	1.171	11.58	1.18
73	1.255	10.87	1.17	76	0.203	16.84	1.22	77	0.314	14.44	1.16
78	0.483	15.08	1.14	89	0.177	11.65	1.22	90	0.130	10.74	1.21
92	1.237	11.74	1.20	93	0.636	9.43	1.15	94	0.496	9.15	1.16
95	1.067	11.62	1.17	139	0.767A	8.46	1.20	140	0.103	15.22	1.06
999	0.181A	6.00	0.41								

EQUATIONS FOR ESTIMATING VERTICAL TRUNK CIRCUMFERENCE — NO. 50

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.719	112.92	4.24	3	5.189	144.55	6.26	4	5.308	147.60	6.37
5	3.496	147.53	6.42	7	0.708	39.66	5.40	8	0.706	39.53	5.40
9	0.762	48.36	5.43	10	0.800	48.94	5.29	11	0.799	48.96	5.41
12	0.714	69.95	5.77	13	0.765	77.71	5.94	14	0.661	92.85	6.22
15	0.703	96.31	6.18	16	0.658	100.33	6.30	17	0.563	113.50	6.50
18	1.052	110.26	6.40	19	0.622	108.08	6.40	22	1.432	33.74	5.05
23	1.531	23.37	4.86	24	1.508	43.28	5.09	25	1.941	41.85	4.53
26	1.941	109.07	5.99	27	1.197	127.25	6.21	29	1.099	101.99	6.16
30	1.455	70.87	5.70	31	1.726	100.91	6.27	32	1.749	113.52	6.44
33	0.689	103.35	6.33	34	0.598	104.29	6.22	35	0.426	69.56	5.82
36	1.985	87.43	6.01	37	0.810	73.09	5.47	38	0.879	80.37	5.30
39	0.751	87.04	5.37	40	0.849	91.32	5.49	41	0.752	103.89	5.50
42	0.564	106.12	5.51	43	0.856	74.27	4.93	44	0.819	76.40	4.79
45	1.007	98.56	5.40	46	1.918	84.80	5.32	47	1.680	97.07	5.74
48	1.637	98.39	5.77	49	2.543	100.81	6.04	51	0.974	8.26	2.53
52	0.832	71.23	4.64	53	1.963	81.60	5.20	54	1.741	106.66	5.53
55	1.733	110.04	5.60	56	1.689	109.17	5.65	57	1.645	112.21	5.61
58	1.681	109.82	5.58	59	1.853	104.44	6.02	60	2.947	85.24	5.54
61	2.573	90.17	5.65	62	5.137	77.56	5.82	63	1.749	91.74	6.24
64	1.756	80.90	5.54	65	1.965	99.42	5.75	66	1.889	119.42	6.22
67	2.009	105.95	5.66	68	1.952	86.17	5.34	69	1.508	96.84	5.35

.....CONTINUED ON THE NEXT PAGE

DIVIDE SLOPES MARKED 'A' BY 10. DIVIDE THOSE MARKED 'B' BY 100.

TABLE XXVI

SIMPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING VERTICAL TRUNK CIRCUMFERENCE.....CONTINUED NO. 50

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
70	10.769	88.37	6.02	71	11.047	87.03	6.01	72	5.843	107.00	6.34
73	6.338	102.84	6.28	74	1.982	107.57	5.70	75	2.224	116.59	5.78
76	1.868	115.40	5.61	77	2.404	103.57	5.35	78	2.827	119.27	5.89
80	1.751	109.78	6.02	81	0.961	91.75	5.74	82	1.058	117.34	6.37
83	0.888	110.57	6.22	84	1.004	112.11	6.15	85	1.453	95.56	6.07
86	1.955	88.78	5.71	88	1.624	121.35	6.51	89	1.354	82.23	6.05
90	0.984	76.12	6.04	91	2.376	110.75	6.48	92	5.885	109.97	6.48
93	3.148	96.76	6.25	94	2.786	87.37	6.11	95	4.450	114.97	6.50
98	1.364	79.59	6.50	139	0.690	40.85	5.39	140	0.748	111.87	4.28
999	0.128	44.51	1.67								

EQUATIONS FOR ESTIMATING VERTICAL TRUNK CIRCUMFERENCE, SITTING NO. 51

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.642	113.00	4.43	3	4.267	141.94	6.13	4	4.370	144.45	6.20
5	3.054	144.04	6.20	7	0.741	29.95	4.81	8	0.741	29.47	4.80
9	0.801	38.57	4.84	10	0.833	40.23	4.71	11	0.830	40.50	4.86
12	0.756	60.62	5.24	13	0.817	68.14	5.43	14	0.726	82.44	5.72
15	0.738	89.05	5.75	16	0.719	90.96	5.83	17	0.641	103.46	6.04
18	1.149	101.83	5.96	19	0.683	99.18	5.95	22	1.495	24.07	4.40
23	1.593	13.71	4.18	24	1.567	34.57	4.48	25	2.017	33.08	3.77
26	2.018	102.91	5.54	27	1.280	121.00	5.75	28	1.236	99.33	6.14
29	1.033	100.78	5.90	30	1.383	70.64	5.45	31	1.813	93.85	5.86
32	1.767	108.74	6.09	33	0.701	98.10	5.97	34	0.598	99.93	5.87
35	0.447	61.01	5.32	36	1.833	88.20	5.79	37	0.720	77.77	5.41
38	0.775	84.77	5.31	39	0.656	91.21	5.39	40	0.743	94.84	5.47
41	0.660	105.71	5.47	42	0.490	108.10	5.50	43	0.751	79.75	5.04
44	0.717	81.76	4.94	45	0.847	103.08	5.49	46	1.654	90.02	5.38
47	1.419	101.62	5.73	48	1.383	102.72	5.75	49	2.309	101.38	5.84
50	0.887	13.09	2.41	52	0.733	76.77	4.80	53	1.748	85.22	5.19
54	1.462	109.95	5.59	55	1.416	113.80	5.70	56	1.391	112.80	5.71
57	1.337	115.76	5.71	58	1.370	113.71	5.69	59	1.690	104.48	5.82
60	2.529	90.69	5.55	61	2.217	94.70	5.62	62	4.828	77.83	5.58
63	1.666	90.35	5.96	64	1.548	85.25	5.49	65	1.746	101.19	5.64
66	1.656	119.38	6.03	67	1.809	106.42	5.54	68	1.758	88.59	5.27
69	1.320	99.66	5.36	70	10.564	85.27	5.70	71	10.762	84.41	5.70
72	5.561	104.93	6.06	73	6.006	101.18	6.01	74	1.731	109.14	5.64
75	1.891	117.89	5.74	76	1.565	117.37	5.66	77	2.001	107.74	5.49
78	2.463	119.44	5.79	80	1.578	109.84	5.84	81	0.868	93.45	5.60
82	0.977	115.82	6.11	83	0.868	107.20	5.90	84	0.949	110.07	5.88
85	1.576	86.22	5.55	86	1.786	90.10	5.55	88	1.589	117.70	6.19
89	1.379	76.54	5.65	90	1.004	70.16	5.65	91	2.510	103.92	6.10
92	5.669	107.24	6.17	93	2.895	97.04	6.01	94	2.850	81.47	5.71
139	0.718	31.88	4.83	140	0.674	111.72	4.42	999	0.115	44.44	1.74

DIVIDE SLOPES MARKED 'A' BY 10. DIVIDE THOSE MARKED 'B' BY 100.

TABLE XXVI

SIMPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING BUTTOCK CIRCUMFERENCE, SITTING NO. 52

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.732	57.74	2.60	3	6.685	87.27	4.88	4	6.895	91.13	5.09
5	4.782	90.57	5.08	6	4.456	92.89	5.64	7	0.386	37.43	5.63
8	0.385	37.34	5.63	9	0.428	40.42	5.61	10	0.449	40.79	5.57
11	0.458	39.54	5.58	13	0.488	51.06	5.68	15	0.460	61.97	5.76
16	0.471	61.28	5.76	22	0.676	43.03	5.68	23	0.740	36.65	5.62
24	0.731	46.12	5.66	25	0.953	44.73	5.54	26	1.338	68.73	5.63
29	1.068	49.04	5.33	30	1.371	21.26	4.90	31	1.195	62.95	5.77
34	0.401	66.38	5.77	35	0.247	50.79	5.71	36	1.834	38.10	5.25
37	0.873	12.34	4.12	38	0.887	25.27	4.21	39	0.768	31.09	4.23
40	0.882	34.44	4.32	41	0.862	42.07	3.84	42	0.670	42.62	3.64
43	1.016	4.86	2.20	44	0.951	9.39	2.08	45	1.228	31.87	3.20
46	2.073	24.74	3.88	47	1.818	37.92	4.52	48	1.780	39.06	4.54
49	2.319	51.10	5.30	50	0.654	-1.00	4.11	51	0.632	5.16	4.46
53	1.845	31.55	4.39	54	1.923	47.23	4.10	55	1.999	48.80	4.01
56	1.962	47.43	4.05	57	1.933	50.39	3.92	58	1.944	48.41	3.95
59	1.638	55.81	5.34	60	3.097	27.29	4.34	61	2.708	32.36	4.49
62	4.328	35.24	5.25	63	1.493	46.48	5.58	64	1.887	20.98	4.24
65	1.993	44.20	4.74	66	2.028	62.41	5.22	67	2.226	46.29	4.30
68	2.319	18.91	3.27	69	1.858	29.04	2.97	70	8.324	48.94	5.53
71	8.507	48.10	5.52	72	5.585	54.67	5.54	73	6.124	50.15	5.47
74	2.114	50.02	4.51	75	2.592	55.90	4.28	76	2.248	53.04	3.79
77	2.770	41.40	3.53	78	3.006	62.61	4.79	80	1.712	56.35	5.16
81	0.920	39.99	4.90	82	1.179	58.66	5.37	83	0.906	55.25	5.31
84	1.074	54.73	5.13	86	1.084	63.60	5.71	88	1.631	66.78	5.67
89	1.122	40.18	5.46	90	0.781	37.84	5.51	93	2.403	55.98	5.68
94	2.030	51.14	5.64	115	4.035	47.99	5.74	139	0.401	33.99	5.56
140	0.744	57.67	2.91	999	0.131	22.70	1.02				

DIVIDE SLOPES MARKED 'A' BY 10. DIVIDE THOSE MARKED 'B' BY 100.

TABLE XXVI

SIMPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING SCYE CIRCUMFERENCE NO. 53

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.236	23.47	1.44	3	2.082	33.14	1.99	4	2.514	33.87	1.94
5	1.590	33.96	2.00	7	0.139	14.57	2.13	8	0.139	14.48	2.13
9	0.155	15.52	2.12	10	0.170	14.68	2.09	11	0.167	15.05	2.11
13	0.174	19.65	2.15	15	0.171	22.96	2.17	16	0.178	22.46	2.17
22	0.223	18.30	2.17	23	0.244	16.21	2.15	24	0.239	19.48	2.17
25	0.339	17.44	2.10	26	0.429	27.07	2.16	29	0.323	21.69	2.11
30	0.420	12.98	2.00	31	0.525	20.82	2.12	33	0.195	22.64	2.16
34	0.153	24.27	2.16	35	0.927A	18.63	2.15	36	0.698	13.54	1.97
37	0.330	3.96	1.54	38	0.349	7.69	1.50	39	0.287	11.35	1.60
40	0.328	12.72	1.64	41	0.298	17.07	1.60	42	0.209	19.20	1.71
43	0.282	10.69	1.66	44	0.252	13.09	1.72	45	0.332	18.68	1.81
46	0.577	16.15	1.88	47	0.517	19.45	1.97	48	0.501	19.95	1.98
49	0.701	22.32	2.10	50	0.218	3.43	1.73	51	0.213	5.13	1.81
52	0.261	11.00	1.65	54	0.791	15.39	1.35	55	0.738	18.20	1.54
56	0.726	17.65	1.55	57	0.684	19.54	1.59	58	0.695	18.65	1.58
59	0.689	18.51	1.93	60	1.206	8.79	1.57	61	1.059	10.65	1.63
62	1.866	9.18	1.86	63	0.516	18.60	2.13	64	0.701	7.74	1.62
65	0.737	16.47	1.80	66	0.727	23.63	1.99	67	0.779	18.30	1.72
68	0.567	17.27	1.91	69	0.453	19.80	1.89	70	3.466	15.84	2.03
71	3.604	15.11	2.01	72	1.885	21.80	2.12	73	2.076	20.20	2.10
74	0.766	18.99	1.74	75	0.868	22.33	1.77	76	0.699	22.50	1.75
77	0.801	20.15	1.78	78	0.960	25.16	1.95	80	0.597	21.88	1.99
81	0.331	15.51	1.88	82	0.418	22.44	2.05	83	0.341	20.26	2.00
84	0.396	20.41	1.94	86	0.425	22.83	2.13	88	0.620	24.47	2.13
89	0.423	14.54	2.05	90	0.304	12.90	2.05	92	2.219	20.34	2.12
93	1.246	14.27	1.99	94	0.744	19.19	2.13	125	0.144	32.79	2.14
139	0.146	13.07	2.10	140	0.242	23.33	1.49	999	0.422A	9.23	0.57

EQUATIONS FOR ESTIMATING AXILLARY ARM CIRCUMFERENCE NO. 54

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.247	13.18	1.42	3	2.869	21.98	1.74	4	3.289	23.21	1.71
5	2.126	23.25	1.80	6	1.583	24.91	2.19	30	0.333	8.31	2.17
36	0.695	3.98	2.03	37	0.365	-9.21	1.40	38	0.378	-4.41	1.40
39	0.319	-1.18	1.47	40	0.340	2.17	1.65	41	0.323	5.73	1.53
42	0.238	7.05	1.57	43	0.316	-2.15	1.54	44	0.283	0.48	1.60
45	0.400	5.25	1.62	46	0.641	4.17	1.83	47	0.590	7.29	1.93
48	0.569	7.96	1.95	49	0.686	12.97	2.17	50	0.202	-3.76	1.88
51	0.186	-0.47	2.00	52	0.284	-0.96	1.58	53	0.826	-3.20	1.38
55	0.909	4.16	1.06	56	0.878	3.91	1.16	57	0.847	5.70	1.15
58	0.850	4.88	1.17	59	0.626	10.55	2.06	60	1.295	-2.96	1.51
61	1.127	-0.71	1.59	62	1.642	2.87	2.03	63	0.501	9.48	2.19
64	0.792	-5.73	1.45	65	0.767	5.97	1.82	66	0.799	12.63	1.99
67	0.807	7.97	1.74	68	0.640	5.06	1.86	69	0.539	6.85	1.76
70	2.823	10.12	2.17	71	2.879	9.87	2.17	72	1.723	13.45	2.21
73	1.872	12.20	2.19	74	0.850	7.34	1.67	75	0.954	11.21	1.71
76	0.792	10.89	1.63	77	0.923	7.91	1.66	78	0.994	15.08	1.98
80	0.622	11.58	2.02	81	0.343	5.07	1.91	82	0.460	11.31	2.05
83	0.324	11.44	2.08	84	0.404	10.41	1.99	86	0.397	14.11	2.21
88	0.607	15.08	2.19	93	1.008	8.97	2.15	140	0.249	13.27	1.50
999	0.441A	5.19	0.56								

DIVIDE SLOPES MARKED 'A' BY 10. DIVIDE THOSE MARKED 'B' BY 100.

TABLE XXVI

SIMPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING BICEPS CIRCUMFERENCE, RELAXED, RIGHT — NO. 55

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.245	11.47	1.37	3	3.023	19.86	1.60	4	2.989	21.77	1.78
5	1.914	21.84	1.86	6	1.888	22.60	2.08	30	0.333	6.49	2.12
36	0.634	4.21	2.03	37	0.338	-8.33	1.50	38	0.345	-3.45	1.53
39	0.293	-0.68	1.57	40	0.329	1.16	1.64	41	0.302	5.32	1.59
42	0.229	6.00	1.57	43	0.313	-3.70	1.48	44	0.285	-1.54	1.52
45	0.409	2.92	1.51	46	0.696	0.35	1.67	47	0.656	3.21	1.76
48	0.642	3.63	1.77	49	0.795	8.85	2.05	50	0.193	-4.19	1.87
51	0.173	-0.35	1.99	52	0.284	-2.79	1.51	53	0.741	-1.88	1.54
54	0.873	1.66	1.04	56	0.961	-0.14	0.56	57	0.907	2.34	0.70
58	0.908	1.51	0.76	59	0.663	7.73	1.97	60	1.364	-6.41	1.31
61	1.195	-4.23	1.40	62	1.631	1.21	1.98	64	0.729	-4.91	1.55
65	0.730	5.18	1.82	66	0.743	11.84	1.98	67	0.759	7.30	1.76
68	0.659	2.57	1.77	69	0.564	4.07	1.63	70	2.945	7.55	2.11
71	3.088	6.77	2.10	72	1.820	10.84	2.14	73	1.995	9.37	2.12
74	0.804	6.60	1.69	75	0.907	10.18	1.72	76	0.775	9.42	1.60
77	0.912	6.32	1.61	78	0.998	13.20	1.92	80	0.576	10.93	2.02
81	0.320	4.74	1.92	82	0.430	10.54	2.04	83	0.292	11.19	2.08
84	0.382	9.51	1.97	88	0.562	14.17	2.16	93	0.987	7.53	2.11
140	0.247	11.56	1.45	999	0.437A	4.52	0.54				

EQUATIONS FOR ESTIMATING BICEPS CIRCUMFERENCE, FLEXED, RIGHT — NO. 56

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.248	12.48	1.37	3	2.944	21.19	1.67	4	2.894	23.07	1.84
5	1.866	23.11	1.91	6	1.804	23.92	2.12	30	0.350	6.69	2.12
36	0.648	4.92	2.04	37	0.344	-7.75	1.49	38	0.344	-2.19	1.56
39	0.291	0.68	1.61	40	0.330	2.27	1.67	41	0.302	6.50	1.62
42	0.227	7.35	1.62	43	0.313	-2.51	1.52	44	0.284	-0.26	1.56
45	0.408	4.16	1.55	46	0.702	1.31	1.68	47	0.662	4.19	1.77
48	0.649	4.58	1.78	49	0.812	9.67	2.07	50	0.192	-2.86	1.90
51	0.173	0.83	2.02	52	0.284	-1.61	1.54	53	0.743	-0.77	1.57
54	0.860	3.20	1.15	55	0.979	1.72	0.56	57	0.906	3.54	0.78
58	0.920	2.38	0.75	59	0.718	7.42	1.93	60	1.400	-6.07	1.28
61	1.239	-4.15	1.35	62	1.731	0.89	1.96	64	0.737	-4.07	1.57
65	0.736	6.19	1.84	66	0.754	12.82	2.00	67	0.758	8.51	1.79
68	0.650	4.06	1.81	69	0.553	5.68	1.69	70	3.162	7.40	2.10
71	3.339	6.42	2.09	72	1.896	11.41	2.15	73	2.081	9.86	2.13
74	0.806	7.74	1.71	75	0.905	11.40	1.75	76	0.766	10.79	1.65
77	0.912	7.50	1.64	78	1.038	13.89	1.92	80	0.585	11.88	2.03
81	0.327	5.47	1.93	82	0.432	11.65	2.06	83	0.305	11.73	2.09
84	0.389	10.40	1.99	86	0.377	14.14	2.19	88	0.573	15.12	2.18
93	1.082	6.97	2.10	125	0.130	22.91	2.19	140	0.251	12.51	1.45
999	0.443A	4.91	0.54								

DIVIDE SLOPES MARKED 'A' BY 10. DIVIDE THOSE MARKED 'B' BY 100.

TABLE XXVI

SIMPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING BICEPS CIRCUMFERENCE, RELAXED, LEFT — NO. 57

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.258	10.77	1.42	3	3.139	19.69	1.70	4	3.149	21.61	1.86
5	2.000	21.72	1.96	6	1.996	22.48	2.18	30	0.348	5.68	2.23
36	0.704	1.90	2.10	37	0.358	-10.29	1.55	38	0.364	-5.00	1.59
39	0.307	-1.88	1.65	40	0.347	-0.13	1.72	41	0.323	3.96	1.64
42	0.245	4.68	1.62	43	0.332	-5.42	1.53	44	0.303	-3.21	1.57
45	0.432	1.70	1.57	46	0.735	-1.02	1.74	47	0.695	1.93	1.83
48	0.678	2.45	1.84	49	0.822	8.33	2.16	50	0.202	-5.53	1.97
51	0.180	-1.35	2.10	52	0.302	-4.54	1.55	53	0.757	-2.42	1.67
54	0.897	1.05	1.18	55	1.000	0.05	0.74	56	0.980	-0.60	0.81
58	0.986	-0.50	0.53	59	0.667	7.67	2.09	60	1.396	-7.11	1.45
61	1.218	-4.76	1.54	62	1.624	1.36	2.11	63	0.469	8.85	2.28
64	0.782	-7.08	1.59	65	0.772	4.05	1.90	66	0.783	11.15	2.08
67	0.803	6.29	1.84	68	0.703	1.08	1.84	69	0.601	2.71	1.69
70	2.945	7.60	2.23	71	3.168	6.33	2.21	72	1.820	10.89	2.26
73	2.021	9.21	2.24	74	0.840	5.80	1.78	75	0.956	9.40	1.80
76	0.820	8.53	1.67	77	0.966	5.23	1.68	78	1.032	12.83	2.03
80	0.588	10.67	2.14	81	0.336	3.75	2.02	82	0.453	9.78	2.14
83	0.307	10.50	2.19	84	0.404	8.64	2.07	88	0.571	14.03	2.28
93	0.922	8.77	2.26	140	0.260	10.87	1.51	999	0.461A	4.24	0.56

EQUATIONS FOR ESTIMATING BICEPS CIRCUMFERENCE, FLEXED, LEFT — NO. 58

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.255	11.82	1.41	3	3.000	20.83	1.73	4	2.989	22.69	1.89
5	1.916	22.76	1.97	6	1.906	23.50	2.17	30	0.355	6.15	2.19
36	0.698	2.98	2.07	37	0.352	-8.81	1.55	38	0.361	-3.88	1.57
39	0.304	-0.74	1.64	40	0.339	1.34	1.72	41	0.315	5.37	1.64
42	0.237	6.24	1.64	43	0.325	-3.89	1.54	44	0.296	-1.66	1.58
45	0.422	3.13	1.58	46	0.729	0.07	1.71	47	0.685	3.15	1.82
48	0.671	3.57	1.82	49	0.831	9.02	2.13	50	0.202	-4.66	1.94
51	0.181	-0.62	2.07	52	0.297	-3.16	1.55	53	0.753	-1.40	1.64
54	0.880	2.39	1.20	55	0.979	1.46	0.79	56	0.974	0.44	0.77
57	0.964	1.80	0.53	59	0.719	7.14	2.01	60	1.386	-6.00	1.42
61	1.228	-4.13	1.48	62	1.662	1.67	2.07	63	0.487	9.08	2.24
64	0.768	-5.62	1.59	65	0.759	5.29	1.89	66	0.774	12.19	2.06
67	0.792	7.43	1.82	68	0.685	2.58	1.83	69	0.583	4.27	1.70
70	3.112	7.45	2.18	71	3.350	6.10	2.16	72	1.896	11.15	2.22
73	2.090	9.53	2.20	74	0.817	7.22	1.78	75	0.931	10.70	1.80
76	0.794	9.95	1.69	77	0.936	6.74	1.69	78	1.027	13.77	2.00
80	0.593	11.42	2.10	81	0.334	4.75	1.99	82	0.450	10.76	2.11
83	0.310	11.23	2.15	84	0.391	10.06	2.06	88	0.585	14.62	2.25
93	1.010	8.04	2.20	140	0.257	11.92	1.50	999	0.455A	4.66	0.56

DIVIDE SLOPES MARKED 'A' BY 10. DIVIDE THOSE MARKED 'B' BY 100.

TABLE XXVI

SIMPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING ELBOW CIRCUMFERENCE, FLEXED — NO. 59

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.136	19.12	1.46	7	0.122	7.20	1.62	8	0.122	7.12	1.63
9	0.134	8.32	1.62	10	0.138	8.78	1.61	11	0.145	7.84	1.61
12	0.130	11.59	1.65	13	0.152	11.73	1.65	14	0.149	13.10	1.66
15	0.162	13.58	1.64	16	0.161	13.74	1.65	17	0.149	16.14	1.68
18	0.260	16.06	1.67	19	0.162	14.91	1.66	23	0.185	11.14	1.68
25	0.219	14.27	1.69	28	0.310	14.25	1.69	29	0.231	15.96	1.67
30	0.311	9.12	1.58	31	0.382	15.13	1.67	32	0.453	16.38	1.67
33	0.153	15.63	1.68	34	0.125	16.50	1.68	35	0.872A	9.60	1.62
36	0.403	13.38	1.65	37	0.177	9.20	1.53	38	0.181	11.73	1.54
39	0.142	14.24	1.59	40	0.166	14.64	1.59	41	0.150	16.90	1.58
42	0.945A	18.88	1.64	43	0.149	13.02	1.58	44	0.134	14.21	1.59
45	0.175	17.27	1.62	46	0.382	13.11	1.56	47	0.323	15.95	1.63
48	0.319	16.06	1.63	49	0.547	15.44	1.64	50	0.125	7.67	1.56
51	0.125	8.22	1.58	52	0.140	12.98	1.56	53	0.418	11.47	1.50
54	0.364	16.99	1.57	55	0.400	16.73	1.53	56	0.426	15.56	1.49
57	0.365	17.61	1.55	58	0.403	16.28	1.50	60	0.831	7.47	1.37
61	0.884	4.90	1.17	62	1.402	6.00	1.48	63	0.392	12.93	1.66
64	0.368	11.57	1.57	65	0.374	16.51	1.63	66	0.391	19.73	1.68
67	0.404	17.23	1.60	68	0.306	16.28	1.65	69	0.216	18.73	1.67
70	2.798	9.81	1.56	71	2.965	8.89	1.54	72	1.353	15.99	1.67
73	1.449	15.18	1.67	74	0.358	18.51	1.64	75	0.414	19.93	1.64
76	0.316	20.38	1.65	77	0.414	18.22	1.62	78	0.617	19.30	1.61
81	0.163	16.35	1.66	83	0.176	18.28	1.69	84	0.185	19.18	1.69
89	0.282	11.94	1.65	90	0.231	8.59	1.61	91	0.687	14.35	1.66
92	1.657	14.46	1.66	93	0.944	9.68	1.56	94	0.654	11.24	1.62
95	1.172	16.58	1.68	125	0.110	23.69	1.67	139	0.121	7.06	1.62
140	0.139	19.07	1.48	999	0.242A	7.54	0.58				

EQUATIONS FOR ESTIMATING FOREARM CIRCUMFERENCE, RELAXED — NO. 60

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.148	14.93	0.81	3	1.417	20.78	1.14	4	1.376	21.71	1.21
5	0.942	21.62	1.21	6	0.897	22.05	1.30	10	0.839A	12.41	1.30
11	0.878A	11.89	1.30	25	0.170	13.62	1.30	29	0.174	15.17	1.29
30	0.245	9.41	1.22	36	0.430	8.96	1.18	37	0.201	3.29	0.91
38	0.198	6.80	0.97	39	0.160	9.12	1.04	40	0.188	9.50	1.03
41	0.172	11.92	1.01	42	0.117	13.46	1.08	43	0.175	7.09	0.97
44	0.158	8.42	1.00	45	0.221	11.22	1.02	46	0.439	7.54	0.96
47	0.422	9.07	1.00	48	0.409	9.48	1.01	49	0.622	10.36	1.12
50	0.119	5.10	1.11	51	0.112	6.67	1.17	52	0.159	7.58	0.98
53	0.438	7.23	0.95	54	0.450	11.13	0.89	55	0.493	10.85	0.79
56	0.496	10.19	0.76	57	0.457	11.75	0.83	58	0.464	11.16	0.82
59	0.497	10.07	1.06	61	0.844	2.40	0.51	62	1.361	3.11	0.98
63	0.349	10.97	1.25	64	0.424	5.72	0.97	65	0.430	11.44	1.11
66	0.427	15.56	1.21	67	0.454	12.52	1.06	68	0.359	10.92	1.13
69	0.284	12.63	1.11	70	2.607	7.49	1.12	71	2.655	7.28	1.12

.....CONTINUED ON THE NEXT PAGE

DIVIDE SLOPES MARKED 'A' BY 10. DIVIDE THOSE MARKED 'B' BY 100.

TABLE XXVI

SIMPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING FOREARM CIRCUMFERENCE, RELAXED.....CONTINUED NO. 60

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
72	1.325	12.72	1.24	73	1.450	11.67	1.22	74	0.425	13.43	1.11
75	0.489	15.16	1.11	76	0.401	15.10	1.09	77	0.501	12.88	1.05
78	0.633	15.60	1.13	80	0.308	15.62	1.25	81	0.180	11.74	1.18
82	0.258	14.43	1.23	83	0.191	14.04	1.23	84	0.228	13.87	1.19
86	0.246	15.22	1.29	88	0.378	15.78	1.28	89	0.238	10.79	1.25
90	0.170	9.95	1.26	92	1.539	11.85	1.24	93	0.860	7.72	1.14
94	0.464	12.31	1.28	95	1.002	14.59	1.28	98	0.278	8.22	1.30
115	0.993	10.68	1.29	117	0.790	15.43	1.30	125	0.103	20.40	1.25
139	0.754A	11.07	1.30	140	0.150	14.94	0.86	999	0.264A	5.88	0.32

EQUATIONS FOR ESTIMATING FOREARM CIRCUMFERENCE, FLEXED NO. 61

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.157	15.91	0.95	3	1.501	22.12	1.28	4	1.460	23.10	1.34
5	1.024	22.96	1.34	6	0.948	23.46	1.44	10	0.906A	13.03	1.44
11	0.961A	12.29	1.43	29	0.188	16.01	1.43	30	0.266	9.70	1.35
36	0.448	9.86	1.32	37	0.214	3.49	1.05	38	0.211	7.20	1.10
39	0.169	9.81	1.17	40	0.199	10.18	1.17	41	0.181	12.81	1.15
42	0.122	14.53	1.23	43	0.185	7.65	1.11	44	0.168	8.97	1.14
45	0.235	11.94	1.15	46	0.464	8.13	1.10	47	0.451	9.58	1.13
48	0.440	9.91	1.14	49	0.662	11.02	1.26	50	0.126	5.52	1.25
51	0.119	7.12	1.30	52	0.169	8.08	1.12	53	0.467	7.65	1.08
54	0.475	11.94	1.04	55	0.525	11.53	0.93	56	0.534	10.67	0.89
57	0.485	12.53	0.97	58	0.500	11.71	0.94	59	0.643	7.63	1.00
60	1.025	0.91	0.56	62	1.458	3.16	1.11	63	0.372	11.64	1.39
64	0.450	6.13	1.11	65	0.452	12.32	1.25	66	0.447	16.69	1.35
67	0.478	13.44	1.21	68	0.382	11.62	1.26	69	0.302	13.44	1.25
70	2.732	8.22	1.27	71	2.812	7.82	1.26	72	1.425	13.41	1.38
73	1.545	12.40	1.36	74	0.448	14.38	1.25	75	0.514	16.23	1.25
76	0.418	16.24	1.23	77	0.530	13.76	1.19	78	0.678	16.54	1.26
80	0.333	16.49	1.38	81	0.194	12.32	1.31	82	0.277	15.26	1.36
83	0.205	14.85	1.36	84	0.238	14.94	1.34	86	0.273	15.81	1.42
88	0.404	16.75	1.42	89	0.250	11.65	1.40	90	0.180	10.65	1.40
92	1.633	12.64	1.38	93	0.951	7.55	1.25	94	0.494	13.09	1.41
95	1.076	15.43	1.42	115	1.045	11.51	1.43	116	0.846	14.06	1.44
117	0.859	16.22	1.44	125	0.113	21.60	1.38	139	0.830A	11.31	1.43
140	0.159	15.93	1.00	999	0.281A	6.26	0.37				

DIVIDE SLOPES MARKED 'A' BY 10. DIVIDE THOSE MARKED 'B' BY 100.

TABLE XXVI

SIMPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING WRIST CIRCUMFERENCE NO. 62

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.611A	11.43	0.54	7	0.537A	6.26	0.63	8	0.537A	6.22	0.63
9	0.580A	6.89	0.64	10	0.587A	7.22	0.63	11	0.621A	6.77	0.63
12	0.540A	8.57	0.65	13	0.629A	8.65	0.65	14	0.590A	9.47	0.66
15	0.610A	9.92	0.66	16	0.635A	9.74	0.66	18	0.104	10.60	0.67
19	0.632A	10.25	0.66	22	0.877A	7.57	0.65	23	0.959A	6.75	0.64
24	0.927A	8.13	0.65	25	0.109	8.64	0.65	28	0.135	9.42	0.67
29	0.875A	10.79	0.67	30	0.124	7.84	0.63	31	0.165	9.85	0.66
32	0.178	10.80	0.67	33	0.714A	9.67	0.66	34	0.533A	10.49	0.66
35	0.350A	7.99	0.65	36	0.188	8.62	0.64	37	0.784A	7.09	0.59
38	0.763A	8.53	0.60	39	0.605A	9.53	0.62	40	0.735A	9.50	0.62
41	0.651A	10.59	0.62	42	0.404A	11.50	0.65	43	0.644A	8.93	0.61
44	0.583A	9.41	0.62	45	0.732A	10.90	0.64	46	0.181	8.39	0.58
47	0.169	9.19	0.60	48	0.163	9.38	0.61	49	0.330	8.00	0.57
50	0.551A	6.45	0.60	51	0.569A	6.42	0.61	52	0.591A	9.05	0.61
53	0.180	8.28	0.58	54	0.152	10.79	0.62	55	0.157	10.94	0.61
56	0.163	10.60	0.60	57	0.142	11.32	0.62	58	0.148	11.03	0.62
59	0.223	8.95	0.59	60	0.363	6.44	0.51	61	0.320	6.97	0.52
63	0.180	8.51	0.65	64	0.162	8.18	0.60	65	0.169	10.23	0.63
66	0.170	11.81	0.66	67	0.182	10.57	0.62	68	0.131	10.38	0.65
69	0.887A	11.58	0.66	70	1.434	6.17	0.56	71	1.459	6.06	0.56
72	0.718	9.13	0.63	73	0.775	8.65	0.63	74	0.165	11.06	0.64
75	0.182	11.87	0.64	76	0.139	12.06	0.65	77	0.175	11.26	0.64
78	0.276	11.53	0.62	80	0.138	11.44	0.66	81	0.784A	9.85	0.64
82	0.100	11.46	0.67	83	0.874A	10.65	0.65	84	0.926A	11.06	0.65
85	0.105	10.71	0.67	86	0.134	10.46	0.66	88	0.172	11.46	0.67
89	0.137	7.66	0.63	90	0.105	6.61	0.62	91	0.360	8.34	0.62
92	1.048	7.05	0.58	93	0.554	4.81	0.50	94	0.334	6.92	0.60
95	0.660	9.11	0.63	115	0.501	8.51	0.67	125	0.498A	13.47	0.65
139	0.543A	6.02	0.63	140	0.626A	11.40	0.55	999	0.109A	4.50	0.21

DIVIDE SLOPES MARKED 'A' BY 10. DIVIDE THOSE MARKED 'B' BY 100.

TABLE XXVI

SIMPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING BIACROMIAL BREADTH — NO. 63

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.108	29.61	1.42	7	0.125	15.58	1.46	8	0.124	15.66	1.46
9	0.134	17.19	1.46	10	0.125	19.36	1.49	11	0.140	17.36	1.46
12	0.130	20.46	1.49	13	0.149	20.90	1.50	14	0.143	22.52	1.51
15	0.154	23.11	1.50	16	0.143	24.09	1.53	17	0.141	25.59	1.54
18	0.249	25.39	1.53	19	0.155	24.30	1.52	22	0.189	19.91	1.52
23	0.199	18.81	1.51	24	0.182	22.43	1.54	25	0.199	24.30	1.55
28	0.288	24.02	1.55	29	0.204	26.11	1.54	30	0.263	20.74	1.49
31	0.360	24.68	1.53	32	0.438	25.60	1.53	33	0.156	24.28	1.52
34	0.126	25.28	1.52	35	0.880A	18.31	1.46	36	0.380	23.02	1.51
37	0.186	17.17	1.33	38	0.157	22.62	1.44	39	0.106	26.33	1.52
40	0.134	25.88	1.50	41	0.114	28.18	1.52	43	0.112	25.36	1.52
44	0.108	25.55	1.51	45	0.124	28.96	1.55	46	0.259	26.44	1.53
47	0.254	27.17	1.54	48	0.251	27.25	1.54	49	0.427	26.84	1.54
50	0.100	20.40	1.49	51	0.104	20.24	1.49	52	0.108	25.04	1.50
53	0.265	26.01	1.52	54	0.246	29.09	1.54	57	0.217	30.27	1.55
58	0.231	29.71	1.54	59	0.332	26.89	1.53	60	0.493	24.27	1.49
61	0.433	25.03	1.50	62	0.956	21.54	1.49	64	0.428	17.92	1.31
65	0.395	24.79	1.45	67	0.340	27.64	1.50	68	0.267	26.51	1.53
70	2.003	23.56	1.52	71	2.056	23.30	1.52	78	0.421	30.61	1.55
79	0.992	21.30	1.29	81	0.148	26.19	1.53	82	0.284	25.89	1.49
83	0.209	25.52	1.49	84	0.175	28.47	1.55	87	0.263	24.24	1.51
88	0.457	26.54	1.52	89	0.403	14.36	1.32	90	0.287	13.00	1.33
91	0.624	24.37	1.53	92	1.362	25.55	1.55	93	0.655	23.85	1.53
94	0.619	20.94	1.48	95	1.069	26.36	1.55	125	0.961A	32.97	1.55
139	0.123	15.60	1.45	140	0.114	29.36	1.42	999	0.193A	11.65	0.56

EQUATIONS FOR ESTIMATING BIDELTOID BREADTH — NO. 64

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.245	27.73	1.39	3	2.250	37.59	1.96	4	2.655	38.46	1.92
5	1.748	38.43	1.96	10	0.136	23.94	2.19	11	0.139	23.53	2.19
29	0.309	27.13	2.15	30	0.404	18.67	2.05	36	0.729	17.27	1.96
37	0.401	1.61	1.05	38	0.386	9.35	1.30	39	0.307	14.33	1.51
40	0.352	15.71	1.55	41	0.312	20.91	1.56	42	0.216	23.37	1.70
43	0.300	13.78	1.59	44	0.273	15.86	1.63	45	0.369	21.40	1.71
46	0.610	19.73	1.86	47	0.569	22.45	1.93	48	0.549	23.08	1.94
49	0.738	26.31	2.11	50	0.199	11.14	1.87	51	0.193	12.91	1.94
52	0.272	14.67	1.61	53	0.716	15.31	1.63	54	0.775	20.61	1.44
55	0.742	22.87	1.57	56	0.736	22.15	1.56	57	0.722	23.35	1.53
58	0.724	22.66	1.54	59	0.620	25.15	2.03	60	1.195	13.82	1.62
61	1.043	15.82	1.69	62	1.718	16.17	1.96	63	0.853	11.30	1.84
65	0.894	16.85	1.56	66	0.763	27.73	1.99	67	0.828	21.90	1.67
68	0.648	19.21	1.81	69	0.506	22.55	1.80	70	3.076	23.01	2.11
71	3.186	22.44	2.10	72	1.687	28.18	2.18	73	1.866	26.68	2.16
74	0.758	23.95	1.79	75	0.885	26.82	1.78	76	0.721	26.81	1.74
77	0.866	23.55	1.72	78	0.981	29.67	1.96	80	0.607	26.40	2.01
81	0.345	19.37	1.88	82	0.592	21.12	1.81	83	0.394	22.41	1.92
84	0.447	23.03	1.87	86	0.407	28.21	2.17	88	0.777	26.05	2.06
89	0.471	16.76	2.02	90	0.315	16.80	2.06	93	1.031	22.99	2.12
94	0.656	26.08	2.19	115	1.601	21.24	2.17	125	0.138	37.75	2.17
139	0.123	21.63	2.18	140	0.250	27.65	1.45	999	0.438A	10.91	0.55

DIVIDE SLOPES MARKED 'A' BY 10. DIVIDE THOSE MARKED 'B' BY 100.

TABLE XXVI

SIMPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING CHEST BREADTH — NO. 65

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.178	17.72	1.37	3	1.413	25.31	1.75	4	1.864	25.60	1.69
5	1.156	25.71	1.73	29	0.222	17.40	1.81	30	0.287	11.51	1.76
36	0.528	10.18	1.70	37	0.286	-0.72	1.22	38	0.295	3.14	1.23
39	0.247	5.83	1.30	40	0.295	6.07	1.27	41	0.239	11.93	1.40
42	0.165	13.86	1.49	43	0.217	7.68	1.48	44	0.188	10.08	1.54
45	0.248	14.24	1.60	46	0.410	13.11	1.67	47	0.386	14.82	1.71
48	0.376	15.12	1.71	49	0.499	17.47	1.80	50	0.153	4.37	1.60
51	0.149	5.64	1.65	52	0.197	8.30	1.49	53	0.516	8.85	1.51
54	0.513	13.92	1.49	55	0.508	14.98	1.52	56	0.503	14.52	1.52
57	0.488	15.47	1.51	58	0.490	14.99	1.52	59	0.431	16.37	1.75
60	0.830	8.51	1.53	61	0.718	10.06	1.57	62	1.226	9.65	1.70
63	0.538	8.71	1.70	64	0.612	2.37	1.29	66	0.612	16.65	1.66
67	0.610	13.28	1.51	68	0.442	12.54	1.64	69	0.366	14.02	1.60
70	2.332	13.69	1.78	71	2.341	13.71	1.78	72	1.576	15.20	1.78
73	1.704	14.12	1.76	74	0.587	14.12	1.54	75	0.652	16.90	1.57
76	0.538	16.76	1.54	77	0.568	15.98	1.62	78	0.732	18.89	1.68
80	0.444	16.68	1.72	81	0.257	11.23	1.63	82	0.466	11.66	1.54
83	0.303	13.03	1.64	84	0.385	11.77	1.51	86	0.332	16.85	1.80
88	0.635	15.06	1.71	89	0.337	10.03	1.73	90	0.227	9.93	1.76
93	0.730	14.62	1.80	140	0.184	17.53	1.39	999	0.318A	6.97	0.54

EQUATIONS FOR ESTIMATING BUSTPOINT-TO-BUSTPOINT BREADTH — NO. 66

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.121	11.55	1.25	3	1.015	16.60	1.45	4	1.323	16.83	1.41
5	0.971	16.62	1.39	30	0.199	7.10	1.46	36	0.314	7.93	1.46
37	0.169	1.56	1.28	38	0.181	3.28	1.26	39	0.195	1.04	1.07
40	0.177	5.38	1.28	41	0.161	7.71	1.27	42	0.110	9.11	1.33
43	0.141	5.33	1.33	44	0.122	6.91	1.36	45	0.170	9.10	1.37
46	0.276	8.51	1.42	47	0.249	10.03	1.44	48	0.243	10.21	1.44
50	0.959A	3.72	1.40	51	0.923A	4.68	1.42	52	0.131	5.43	1.33
53	0.332	6.22	1.35	54	0.350	8.93	1.31	55	0.338	9.88	1.34
56	0.337	9.50	1.34	57	0.323	10.24	1.34	58	0.327	9.85	1.34
59	0.295	10.57	1.46	60	0.538	5.90	1.36	61	0.463	6.97	1.38
62	0.803	6.52	1.44	64	0.342	4.21	1.33	65	0.400	7.33	1.34
67	0.388	9.17	1.35	68	0.263	9.34	1.43	69	0.228	9.82	1.40
74	0.538	5.81	1.15	75	0.469	10.55	1.33	76	0.371	10.78	1.33
77	0.395	10.18	1.38	78	0.439	13.07	1.45	80	0.401	8.31	1.35
81	0.210	4.84	1.31	82	0.208	11.24	1.46	84	0.179	10.99	1.45
140	0.125	11.42	1.26	999	0.215A	4.56	0.49				

DIVIDE SLOPES MARKED 'A' BY 10. DIVIDE THOSE MARKED 'B' BY 100.

TABLE XXVI

SIMPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING WAIST BREADTH — NO. 67

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.197	12.75	1.24	3	1.669	20.95	1.71	4	2.138	21.38	1.63
5	1.581	21.01	1.59	7	0.106	6.95	1.83	8	0.106	6.88	1.83
9	0.120	7.42	1.82	10	0.127	7.38	1.81	11	0.126	7.50	1.82
16	0.149	11.88	1.83	25	0.246	9.86	1.82	29	0.264	11.53	1.79
30	0.344	4.37	1.71	33	0.171	11.45	1.82	36	0.587	4.32	1.67
37	0.271	-3.08	1.35	38	0.279	0.62	1.35	39	0.240	2.59	1.37
40	0.290	2.57	1.33	41	0.313	3.09	0.90	42	0.186	8.20	1.38
43	0.250	0.72	1.34	44	0.215	3.64	1.44	45	0.285	8.32	1.52
46	0.485	6.52	1.59	47	0.433	9.34	1.67	48	0.417	9.85	1.69
49	0.567	12.17	1.79	50	0.160	-0.58	1.60	51	0.158	0.42	1.64
52	0.225	1.63	1.37	53	0.557	3.46	1.46	54	0.552	8.98	1.44
55	0.541	10.27	1.49	56	0.530	9.93	1.50	57	0.519	10.81	1.48
58	0.523	10.25	1.48	59	0.477	11.26	1.74	60	0.895	3.12	1.49
61	0.775	4.77	1.54	62	1.345	4.00	1.68	63	0.474	7.14	1.77
64	0.579	-0.12	1.40	65	0.624	6.66	1.52	66	0.607	12.88	1.69
68	0.503	6.54	1.58	69	0.393	9.12	1.58	70	2.367	9.61	1.79
71	2.498	8.89	1.78	72	1.365	13.05	1.84	73	1.532	11.66	1.82
74	0.632	9.19	1.50	75	0.814	10.28	1.38	76	0.627	11.03	1.41
77	0.686	9.62	1.50	78	0.748	14.83	1.69	80	0.491	11.61	1.70
81	0.272	6.39	1.62	82	0.398	10.18	1.67	83	0.278	10.40	1.71
84	0.369	8.58	1.57	86	0.362	11.97	1.80	88	0.534	13.25	1.79
89	0.331	6.48	1.76	90	0.238	5.19	1.77	93	0.818	9.14	1.79
94	0.612	9.40	1.81	115	1.313	7.20	1.82	139	0.113	5.53	1.80
140	0.201	12.69	1.29	999	0.353A	5.01	0.49				

EQUATIONS FOR ESTIMATING HIP BREADTH — NO. 68

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.227	21.86	1.41	3	2.157	30.86	1.88	4	1.943	32.47	2.01
5	1.403	32.20	1.99	6	1.562	32.48	2.06	7	0.129	14.06	2.08
8	0.128	14.14	2.08	9	0.140	15.48	2.08	10	0.142	16.24	2.08
11	0.146	15.70	2.08	13	0.157	19.22	2.10	22	0.242	14.57	2.07
23	0.265	12.28	2.05	24	0.269	15.14	2.06	25	0.321	16.35	2.04
26	0.459	24.24	2.07	29	0.342	18.65	2.00	30	0.443	9.53	1.88
36	0.523	17.32	2.04	37	0.261	8.76	1.76	38	0.254	13.57	1.82
39	0.214	15.77	1.85	40	0.247	16.61	1.86	41	0.243	18.64	1.77
42	0.203	17.58	1.65	43	0.331	3.97	1.22	44	0.329	3.62	1.00
45	0.418	11.78	1.34	46	0.683	10.17	1.59	47	0.620	13.80	1.72
48	0.606	14.22	1.73	49	0.808	17.93	1.96	50	0.203	3.62	1.72
51	0.201	4.81	1.78	52	0.307	4.27	1.19	53	0.532	15.23	1.85
54	0.574	19.22	1.76	55	0.616	19.19	1.71	56	0.596	19.00	1.73
57	0.596	19.67	1.69	58	0.593	19.23	1.71	59	0.472	22.24	2.05
60	0.927	13.21	1.81	61	0.812	14.69	1.84	62	1.270	15.97	2.02
63	0.488	17.48	2.07	64	0.594	10.10	1.74	65	0.592	18.40	1.90
66	0.539	24.98	2.05	67	0.659	19.07	1.81	69	0.683	8.89	1.05
70	2.732	18.21	2.05	71	2.738	18.26	2.06	72	1.881	19.70	2.05
73	2.072	18.10	2.02	74	0.588	21.07	1.90	75	0.683	23.35	1.90
76	0.630	21.81	1.77	77	0.833	17.35	1.64	78	0.969	22.92	1.85
80	0.509	21.99	2.00	81	0.271	17.29	1.95	82	0.329	23.43	2.07
83	0.279	21.19	2.02	84	0.321	21.44	1.99	89	0.367	15.40	2.03
90	0.250	15.07	2.05	94	0.623	19.97	2.10	139	0.134	12.91	2.06
140	0.231	21.83	1.46	999	0.405A	8.61	0.56				

DIVIDE SLOPES MARKED 'A' BY 10. DIVIDE THOSE MARKED 'B' BY 100.

TABLE XXVI

SIMPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING THIGH-TO-THIGH BREADTH, SITTING — NO. 69

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.298	20.98	1.78	3	3.104	32.28	2.31	4	2.808	34.58	2.51
5	1.958	34.33	2.51	6	2.291	34.54	2.60	25	0.366	16.96	2.69
26	0.582	24.59	2.68	29	0.368	20.63	2.67	30	0.489	10.11	2.55
36	0.665	15.75	2.63	37	0.342	3.85	2.26	38	0.342	9.38	2.30
39	0.301	11.18	2.29	40	0.338	13.07	2.34	41	0.331	15.95	2.21
42	0.283	13.95	1.99	43	0.432	-2.26	1.54	44	0.423	-2.11	1.30
45	0.572	6.46	1.54	46	0.915	4.97	1.97	47	0.814	10.40	2.20
48	0.802	10.74	2.20	49	0.971	17.72	2.57	50	0.261	-2.12	2.23
51	0.251	0.52	2.34	52	0.410	-2.81	1.40	53	0.707	11.96	2.36
54	0.805	16.10	2.15	55	0.876	15.75	2.03	56	0.844	15.58	2.09
57	0.847	16.45	2.00	58	0.841	15.87	2.04	59	0.555	23.22	2.68
60	1.223	9.48	2.31	61	1.068	11.52	2.35	62	1.433	16.75	2.67
64	0.773	5.82	2.23	65	0.816	15.35	2.39	66	0.778	23.77	2.59
67	0.857	17.51	2.33	68	1.137	-1.57	1.35	72	2.238	20.02	2.68
73	2.488	17.94	2.64	74	0.838	18.38	2.36	75	0.972	21.65	2.35
76	0.909	19.20	2.11	77	1.174	13.36	1.94	78	1.132	24.11	2.48
80	0.681	20.83	2.55	81	0.361	14.64	2.48	82	0.450	22.41	2.64
83	0.346	21.10	2.62	84	0.427	20.19	2.55	89	0.391	17.34	2.70
140	0.302	21.01	1.86	999	0.531A	8.28	0.70				

EQUATIONS FOR ESTIMATING HUMERAL BREADTH, RIGHT — NO. 70

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.219A	4.87	0.26	7	0.248A	2.11	0.27	8	0.249A	2.08	0.27
9	0.269A	2.39	0.27	10	0.271A	2.56	0.27	11	0.287A	2.35	0.27
12	0.258A	3.08	0.28	13	0.301A	3.12	0.28	14	0.297A	3.37	0.28
15	0.285A	3.78	0.28	16	0.284A	3.80	0.28	17	0.267A	4.19	0.29
18	0.497A	4.05	0.28	19	0.298A	3.91	0.28	22	0.392A	2.83	0.28
23	0.426A	2.49	0.28	24	0.420A	3.04	0.28	25	0.460A	3.47	0.28
28	0.588A	3.72	0.29	29	0.399A	4.23	0.29	30	0.526A	3.11	0.27
31	0.709A	3.94	0.28	32	0.753A	4.37	0.29	33	0.280A	4.06	0.29
34	0.230A	4.21	0.29	35	0.156A	3.03	0.28	36	0.614A	4.06	0.29
37	0.272A	3.40	0.27	38	0.260A	3.94	0.28	39	0.208A	4.27	0.28
40	0.257A	4.22	0.28	41	0.204A	4.76	0.29	42	0.134A	4.99	0.29
43	0.228A	4.00	0.28	44	0.211A	4.12	0.28	45	0.259A	4.70	0.29
46	0.640A	3.81	0.27	47	0.579A	4.16	0.28	48	0.556A	4.23	0.28
49	0.108	3.86	0.27	50	0.215A	2.81	0.27	51	0.231A	2.67	0.27
52	0.211A	4.02	0.28	53	0.623A	3.82	0.27	54	0.486A	4.80	0.28
55	0.527A	4.78	0.28	56	0.555A	4.65	0.28	57	0.478A	4.91	0.28
58	0.517A	4.76	0.28	59	0.829A	3.90	0.27	60	0.129	3.11	0.25
61	0.111	3.36	0.26	62	0.267	2.14	0.24	63	0.702A	3.62	0.28
64	0.541A	3.87	0.28	65	0.599A	4.46	0.28	67	0.595A	4.70	0.28
68	0.524A	4.30	0.28	71	0.935	0.43	0.12	72	0.329	3.46	0.27
73	0.352	3.27	0.27	74	0.554A	4.82	0.29	77	0.544A	4.98	0.29
78	0.103	4.85	0.28	81	0.270A	4.37	0.29	83	0.318A	4.56	0.29
85	0.444A	4.33	0.29	86	0.512A	4.41	0.29	89	0.554A	3.18	0.28
90	0.429A	2.72	0.27	91	0.148	3.41	0.27	92	0.392	3.17	0.27
93	0.185	2.74	0.26	94	0.132	2.96	0.27	95	0.224	4.15	0.29
125	0.198A	5.54	0.29	139	0.245A	2.10	0.27	140	0.229A	4.83	0.26
999	0.392B	1.92	0.10								

DIVIDE SLOPES MARKED 'A' BY 10. DIVIDE THOSE MARKED 'B' BY 100.

TABLE XXVI

SIMPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING HUMERAL BREADTH, LEFT — NO. 71

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.218A	4.84	0.25	7	0.247A	2.10	0.26	8	0.247A	2.08	0.26
9	0.269A	2.36	0.26	10	0.271A	2.53	0.26	11	0.285A	2.34	0.26
12	0.257A	3.06	0.27	13	0.299A	3.10	0.27	14	0.295A	3.35	0.27
15	0.286A	3.74	0.28	16	0.291A	3.71	0.28	17	0.271A	4.13	0.28
18	0.493A	4.03	0.28	19	0.302A	3.85	0.28	22	0.384A	2.86	0.27
23	0.416A	2.54	0.27	24	0.400A	3.15	0.28	25	0.469A	3.38	0.27
28	0.587A	3.69	0.28	29	0.402A	4.18	0.28	30	0.526A	3.08	0.27
31	0.713A	3.89	0.28	32	0.780A	4.28	0.28	33	0.288A	3.97	0.28
34	0.221A	4.25	0.28	35	0.155A	3.01	0.27	36	0.613A	4.03	0.28
37	0.268A	3.41	0.27	38	0.255A	3.95	0.27	39	0.198A	4.32	0.28
40	0.249A	4.25	0.28	41	0.206A	4.72	0.28	42	0.133A	4.96	0.29
43	0.225A	3.99	0.27	44	0.207A	4.13	0.27	45	0.257A	4.68	0.28
46	0.640A	3.78	0.26	47	0.573A	4.14	0.27	48	0.556A	4.20	0.27
49	0.108	3.82	0.27	50	0.213A	2.81	0.26	51	0.227A	2.69	0.26
52	0.208A	4.02	0.27	53	0.625A	3.78	0.27	54	0.478A	4.79	0.28
55	0.533A	4.74	0.28	56	0.565A	4.59	0.27	57	0.496A	4.83	0.28
58	0.536A	4.68	0.27	59	0.847A	3.82	0.26	60	0.127	3.12	0.25
61	0.111	3.33	0.25	62	0.262	2.18	0.24	63	0.694A	3.61	0.28
64	0.541A	3.84	0.27	65	0.580A	4.48	0.28	67	0.605A	4.64	0.28
68	0.506A	4.33	0.28	70	0.902	0.57	0.12	72	0.311	3.58	0.27
73	0.334	3.38	0.26	74	0.519A	4.87	0.28	78	0.101	4.84	0.27
81	0.259A	4.41	0.28	83	0.306A	4.59	0.28	85	0.444A	4.30	0.28
86	0.505A	4.41	0.28	89	0.537A	3.24	0.27	90	0.423A	2.73	0.27
91	0.144	3.45	0.27	92	0.383	3.21	0.26	93	0.181	2.79	0.25
94	0.132	2.92	0.26	95	0.225	4.11	0.28	125	0.190A	5.53	0.28
139	0.242A	2.12	0.26	140	0.227A	4.81	0.25	999	0.389B	1.91	0.10

EQUATIONS FOR ESTIMATING FEMORAL BREADTH, RIGHT — NO. 72

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.292A	6.43	0.39	7	0.254A	4.00	0.42	8	0.256A	3.95	0.42
9	0.281A	4.21	0.42	10	0.283A	4.38	0.42	11	0.297A	4.20	0.42
24	0.486A	4.53	0.43	30	0.612A	4.60	0.42	37	0.326A	4.84	0.42
38	0.322A	5.40	0.42	39	0.267A	5.72	0.42	40	0.334A	5.63	0.42
41	0.281A	6.23	0.42	42	0.209A	6.33	0.42	43	0.322A	5.10	0.41
44	0.305A	5.21	0.41	45	0.413A	5.83	0.42	46	0.104	4.34	0.38
47	0.851A	5.21	0.41	48	0.800A	5.38	0.41	49	0.143	5.10	0.41
50	0.252A	4.22	0.42	51	0.263A	4.17	0.42	52	0.307A	5.05	0.41
53	0.733A	5.40	0.42	54	0.641A	6.36	0.43	55	0.704A	6.31	0.42
56	0.720A	6.19	0.42	57	0.639A	6.48	0.42	58	0.680A	6.31	0.42
59	0.867A	5.78	0.42	60	0.142	4.78	0.41	61	0.126	4.97	0.41
62	0.289	3.79	0.40	64	0.641A	5.43	0.43	65	0.875A	5.67	0.42
67	0.741A	6.33	0.43	68	0.780A	5.39	0.42	69	0.557A	5.99	0.42
70	0.711	3.76	0.39	71	0.697	3.86	0.40	73	0.989	0.07	0.13
76	0.683A	6.69	0.43	78	0.163	6.09	0.40	83	0.436A	5.96	0.43
89	0.604A	4.90	0.43	90	0.439A	4.62	0.43	93	0.184	4.75	0.42
94	0.134	4.89	0.42	139	0.255A	3.92	0.42	140	0.307A	6.37	0.39
999	0.521B	2.53	0.16								

DIVIDE SLOPES MARKED 'A' BY 10. DIVIDE THOSE MARKED 'B' BY 100.

TABLE XXVI

SIMPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING FEMORAL BREADTH, LEFT — NO. 73

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.300A	6.41	0.38	7	0.252A	4.05	0.41	8	0.254A	4.01	0.41
9	0.279A	4.26	0.41	10	0.283A	4.41	0.41	11	0.294A	4.26	0.41
23	0.442A	4.36	0.41	24	0.477A	4.62	0.41	30	0.618A	4.59	0.41
37	0.337A	4.76	0.40	38	0.330A	5.36	0.41	39	0.274A	5.68	0.41
40	0.349A	5.55	0.40	41	0.292A	6.18	0.41	42	0.217A	6.28	0.41
43	0.335A	5.00	0.40	44	0.315A	5.14	0.39	45	0.425A	5.78	0.40
46	0.106	4.29	0.37	47	0.878A	5.14	0.39	48	0.837A	5.27	0.39
49	0.145	5.08	0.40	50	0.258A	4.16	0.40	51	0.268A	4.12	0.40
52	0.317A	4.97	0.39	53	0.760A	5.32	0.40	54	0.656A	6.34	0.41
55	0.727A	6.28	0.40	56	0.744A	6.15	0.40	57	0.668A	6.43	0.41
58	0.707A	6.26	0.40	59	0.874A	5.78	0.41	60	0.146	4.71	0.39
61	0.128	4.94	0.39	62	0.293	3.76	0.38	64	0.668A	5.34	0.41
65	0.891A	5.65	0.40	67	0.784A	6.25	0.41	68	0.809A	5.31	0.40
69	0.583A	5.91	0.40	70	0.717	3.74	0.38	71	0.706	3.83	0.38
72	0.932	0.58	0.12	74	0.722A	6.43	0.42	76	0.717A	6.64	0.41
78	0.162	6.13	0.39	83	0.437A	5.98	0.41	89	0.602A	4.93	0.41
90	0.440A	4.64	0.41	91	0.146	5.46	0.41	92	0.357	5.44	0.42
93	0.185	4.75	0.40	94	0.136	4.87	0.41	117	0.253	5.56	0.41
139	0.253A	3.98	0.41	140	0.313A	6.36	0.38	999	0.535B	2.52	0.15

EQUATIONS FOR ESTIMATING CHEST DEPTH — NO. 74

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.191	12.62	1.29	3	1.814	20.19	1.66	4	2.437	20.51	1.53
5	1.591	20.50	1.58	29	0.241	12.14	1.81	30	0.306	6.07	1.76
36	0.524	5.96	1.72	37	0.264	-2.87	1.38	38	0.295	-1.21	1.26
39	0.298	-3.10	0.92	40	0.299	1.42	1.27	41	0.260	6.17	1.31
42	0.185	7.80	1.38	43	0.234	1.73	1.42	44	0.202	4.40	1.50
45	0.276	8.33	1.54	46	0.447	7.42	1.65	47	0.384	10.53	1.73
48	0.373	10.87	1.73	50	0.157	-0.60	1.60	51	0.150	1.13	1.66
52	0.213	2.34	1.43	53	0.546	3.39	1.47	54	0.580	7.73	1.38
55	0.571	9.02	1.42	56	0.561	8.61	1.43	57	0.541	9.76	1.43
58	0.538	9.37	1.45	59	0.420	12.31	1.78	60	0.834	4.06	1.55
61	0.724	5.56	1.59	62	1.215	5.46	1.73	64	0.529	1.49	1.50
65	0.598	6.90	1.56	66	0.838	8.11	1.43	67	0.630	8.44	1.50
68	0.447	8.01	1.66	69	0.382	9.05	1.59	70	2.198	10.16	1.81
71	2.134	10.62	1.82	73	1.406	12.20	1.83	75	0.806	9.93	1.38
76	0.650	10.06	1.35	77	0.691	9.03	1.48	78	0.722	14.66	1.71
80	0.640	7.33	1.51	81	0.324	2.51	1.46	82	0.370	10.67	1.71
83	0.240	11.79	1.76	84	0.346	9.06	1.62	86	0.338	12.29	1.82
89	0.273	9.09	1.82	90	0.185	8.92	1.83	93	0.680	11.19	1.83
140	0.195	12.55	1.33	999	0.341A	4.97	0.51				

DIVIDE SLOPES MARKED 'A' BY 10. DIVIDE THOSE MARKED 'B' BY 100.

TABLE XXVI

SIMPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING WAIST DEPTH — NO. 75

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.164	7.55	1.13	3	1.531	14.10	1.45	4	2.098	14.32	1.33
5	1.350	14.35	1.38	29	0.201	7.42	1.58	30	0.252	2.54	1.53
36	0.453	1.73	1.49	37	0.218	-4.88	1.24	38	0.232	-2.53	1.21
39	0.212	-2.01	1.16	40	0.242	-0.97	1.19	41	0.258	-0.32	0.89
42	0.172	2.28	1.11	43	0.208	-2.46	1.20	44	0.176	0.25	1.29
45	0.236	3.92	1.34	46	0.398	2.57	1.41	47	0.332	5.68	1.50
48	0.322	5.99	1.50	50	0.132	-3.37	1.41	51	0.123	-1.44	1.46
52	0.195	-2.49	1.17	53	0.463	-0.16	1.29	54	0.487	3.65	1.22
55	0.482	4.67	1.25	56	0.472	4.37	1.27	57	0.461	5.18	1.25
58	0.459	4.83	1.27	59	0.364	7.20	1.54	60	0.719	0.13	1.35
61	0.622	1.48	1.38	62	1.003	2.01	1.51	64	0.462	-2.33	1.28
65	0.497	3.10	1.37	66	0.547	6.88	1.44	67	0.607	2.37	1.19
68	0.389	3.41	1.43	69	0.332	4.34	1.38	74	0.603	2.76	1.20
76	0.680	2.81	0.85	77	0.641	3.46	1.22	78	0.598	9.58	1.49
80	0.446	5.64	1.44	81	0.237	1.56	1.39	82	0.309	6.18	1.49
83	0.202	7.04	1.53	84	0.288	4.88	1.42	140	0.166	7.57	1.17
999	0.292A	2.98	0.45								

EQUATIONS FOR ESTIMATING ABDOMINAL EXTENSION DEPTH — NO. 76

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.223	8.02	1.30	3	2.233	16.64	1.74	4	2.785	17.31	1.63
5	1.794	17.35	1.71	6	1.457	18.57	1.98	29	0.306	6.29	1.94
30	0.381	-0.99	1.87	36	0.560	1.99	1.90	37	0.282	-7.43	1.54
38	0.297	-4.13	1.52	39	0.273	-3.60	1.44	40	0.309	-2.08	1.49
41	0.315	-0.28	1.23	42	0.239	0.42	1.21	43	0.295	-6.73	1.34
44	0.253	-3.21	1.47	45	0.346	1.70	1.54	46	0.569	0.23	1.68
47	0.490	4.16	1.81	48	0.476	4.60	1.82	49	0.549	9.31	2.00
50	0.178	-6.60	1.73	51	0.164	-3.72	1.83	52	0.272	-6.31	1.32
53	0.599	-1.33	1.62	54	0.650	3.06	1.48	55	0.662	3.94	1.48
56	0.642	3.69	1.51	57	0.635	4.59	1.47	58	0.629	4.20	1.50
59	0.446	8.86	1.96	60	0.948	-1.37	1.67	61	0.813	0.59	1.72
62	1.236	2.40	1.93	64	0.605	-4.44	1.59	65	0.659	2.44	1.70
66	0.697	7.97	1.82	67	0.752	2.75	1.54	68	0.576	0.75	1.69
69	0.499	1.83	1.57	72	1.507	8.66	2.01	73	1.680	7.22	1.99
74	0.782	2.40	1.49	75	1.092	2.31	1.08	77	0.911	1.62	1.35
78	0.890	9.82	1.80	80	0.557	6.69	1.84	81	0.294	1.72	1.78
82	0.410	6.52	1.87	83	0.268	7.65	1.93	84	0.375	5.09	1.78
88	0.497	10.77	2.01	140	0.225	8.09	1.37	999	0.398A	3.16	0.51

DIVIDE SLOPES MARKED 'A' BY 10. DIVIDE THOSE MARKED 'B' BY 100.

TABLE XXVI

SIMPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING BUTTOCK DEPTH — NO. 77

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.191	10.13	1.06	3	1.968	17.41	1.43	4	2.131	18.41	1.46
5	1.372	18.45	1.51	6	1.358	18.99	1.65	29	0.289	7.36	1.60
30	0.370	-0.10	1.50	36	0.476	5.09	1.60	37	0.234	-2.34	1.33
38	0.234	1.44	1.36	39	0.207	2.58	1.34	40	0.233	3.84	1.39
41	0.231	5.63	1.27	42	0.174	6.25	1.27	43	0.263	-3.47	1.02
44	0.241	-1.81	1.05	45	0.337	2.46	1.08	46	0.544	1.41	1.30
47	0.497	4.18	1.40	48	0.486	4.52	1.41	49	0.606	8.38	1.61
50	0.163	-4.02	1.40	51	0.149	-1.21	1.50	52	0.239	-2.75	1.04
53	0.490	2.98	1.39	54	0.540	6.34	1.27	55	0.556	6.91	1.26
56	0.545	6.55	1.27	57	0.534	7.45	1.25	58	0.529	7.11	1.27
59	0.418	9.88	1.63	60	0.845	1.32	1.36	61	0.735	2.80	1.40
62	1.109	4.56	1.61	64	0.519	-0.58	1.33	65	0.497	7.24	1.52
66	0.529	11.35	1.59	67	0.587	6.99	1.38	68	0.544	2.13	1.32
69	0.460	3.59	1.21	70	1.850	9.81	1.70	74	0.593	7.13	1.37
75	0.734	8.66	1.30	76	0.650	7.57	1.14	78	0.845	10.64	1.44
80	0.422	10.39	1.60	81	0.233	5.96	1.54	82	0.318	10.01	1.61
83	0.209	10.83	1.65	84	0.289	8.97	1.56	140	0.191	10.29	1.14
999	0.342A	3.98	0.42								

EQUATIONS FOR ESTIMATING THIGH CLEARANCE — NO. 78

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.119	5.57	0.88	3	0.964	10.60	1.14	4	0.851	11.34	1.18
5	0.743	10.97	1.14	7	0.899A	-2.14	1.13	8	0.906A	-2.31	1.13
9	0.101	-1.62	1.12	10	0.101	-0.88	1.12	11	0.107	-1.69	1.12
12	0.958A	1.10	1.15	13	0.123	0.10	1.12	14	0.117	1.54	1.14
15	0.126	2.02	1.13	16	0.133	1.50	1.12	17	0.115	4.08	1.17
18	0.211	3.58	1.15	19	0.134	2.45	1.13	23	0.126	1.65	1.19
24	0.137	2.34	1.18	28	0.256	1.93	1.16	29	0.217	2.08	1.10
30	0.281	-3.70	1.01	31	0.287	3.54	1.16	32	0.315	5.07	1.18
34	0.879A	5.07	1.18	35	0.587A	0.74	1.15	36	0.288	2.72	1.16
37	0.138	-1.42	1.03	38	0.127	1.74	1.08	39	0.107	2.84	1.09
40	0.128	2.92	1.09	41	0.117	4.57	1.08	42	0.841A	5.23	1.09
43	0.139	-0.58	0.98	44	0.132	-0.14	0.97	45	0.198	1.45	0.93
46	0.355	-0.45	0.96	47	0.334	1.03	1.00	48	0.322	1.41	1.01
49	0.456	2.82	1.11	50	0.939A	-2.06	1.07	51	0.898A	-1.04	1.10
52	0.127	-0.26	0.98	53	0.287	1.79	1.07	54	0.285	4.62	1.06
55	0.297	4.83	1.05	56	0.304	4.29	1.04	57	0.279	5.28	1.06
58	0.284	4.90	1.05	59	0.304	4.24	1.13	60	0.522	0.18	1.02
61	0.460	0.95	1.04	62	0.855	-0.36	1.09	63	0.246	3.62	1.19
64	0.287	0.42	1.06	65	0.313	3.67	1.10	66	0.288	7.10	1.17
67	0.313	4.88	1.10	68	0.309	1.63	1.05	69	0.217	4.15	1.09
70	1.715	1.92	1.14	71	1.745	1.79	1.14	72	1.256	2.24	1.12
73	1.325	1.65	1.11	74	0.303	5.27	1.11	75	0.335	6.74	1.12
76	0.311	5.94	1.06	77	0.414	3.68	1.01	80	0.227	6.65	1.18
81	0.123	4.41	1.16	82	0.172	6.41	1.18	83	0.147	5.18	1.16
84	0.157	5.82	1.16	89	0.211	1.19	1.14	90	0.165	-0.70	1.13
91	0.451	4.15	1.17	92	1.030	4.66	1.19	93	0.541	2.53	1.15
94	0.457	1.44	1.14	139	0.903A	-2.43	1.12	140	0.121	5.55	0.90
999	0.212A	2.20	0.35								

DIVIDE SLOPES MARKED 'A' BY 10. DIVIDE THOSE MARKED 'B' BY 100.

TABLE XXVI

SIMPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING SHOULDER LENGTH — NO. 79

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
7	0.622A	4.58	0.95	8	0.620A	4.57	0.95	9	0.691A	5.04	0.95
11	0.680A	5.68	0.96	13	0.761A	7.03	0.96	14	0.750A	7.67	0.97
15	0.777A	8.24	0.97	19	0.807A	8.65	0.97	35	0.432A	6.05	0.95
63	0.385	0.86	0.80	87	0.158	7.69	0.95	89	0.195	4.26	0.91
90	0.137	3.76	0.92	94	0.313	7.13	0.96	139	0.599A	4.80	0.95

EQUATIONS FOR ESTIMATING NECK-TO-BUSTPOINT LENGTH — NO. 80

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.144	17.18	1.55	3	1.262	23.09	1.76	4	1.584	23.46	1.73
5	1.133	23.26	1.71	36	0.374	12.87	1.78	37	0.189	6.52	1.62
38	0.209	7.89	1.58	39	0.213	6.38	1.45	40	0.188	11.52	1.65
41	0.185	13.06	1.59	42	0.136	13.85	1.61	43	0.170	9.58	1.63
44	0.157	10.54	1.64	45	0.199	14.46	1.69	46	0.337	13.26	1.73
47	0.283	15.83	1.78	48	0.276	16.05	1.78	50	0.132	5.11	1.66
51	0.131	5.84	1.68	52	0.165	9.00	1.60	53	0.407	10.40	1.64
54	0.406	14.35	1.63	55	0.391	15.48	1.66	56	0.390	15.05	1.66
57	0.362	16.20	1.68	58	0.373	15.60	1.67	60	0.579	11.90	1.71
61	0.514	12.66	1.72	62	0.970	10.98	1.76	64	0.405	8.54	1.64
65	0.433	13.37	1.70	66	0.599	14.39	1.65	67	0.468	14.20	1.66
68	0.370	12.56	1.70	69	0.297	14.15	1.69	74	0.612	11.03	1.47
75	0.570	15.80	1.63	76	0.443	16.24	1.64	77	0.471	15.53	1.69
78	0.518	19.05	1.78	81	0.434	-2.81	0.82	82	0.283	15.57	1.76
83	0.239	13.69	1.72	84	0.213	16.52	1.77	140	0.149	17.02	1.56
999	0.257A	6.77	0.61								

EQUATIONS FOR ESTIMATING STRAP LENGTH — NO. 81

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
1	0.198	60.58	3.71	2	0.341	45.53	2.97	3	2.961	59.59	3.58
4	3.625	60.56	3.51	5	2.480	60.33	3.52	7	0.211	31.02	3.71
8	0.210	31.04	3.71	11	0.237	33.94	3.72	22	0.418	29.99	3.68
23	0.442	27.39	3.66	24	0.449	32.13	3.68	25	0.507	35.82	3.68
30	0.536	34.44	3.66	36	1.059	29.48	3.50	37	0.468	18.23	3.10
38	0.498	23.27	3.05	39	0.481	22.06	2.80	40	0.448	31.92	3.26
41	0.441	35.58	3.09	42	0.313	38.41	3.20	43	0.405	27.30	3.21
44	0.364	30.54	3.26	45	0.462	39.59	3.40	46	0.803	36.07	3.48
47	0.696	41.46	3.60	48	0.682	41.88	3.60	50	0.314	16.73	3.28
51	0.311	18.55	3.35	52	0.382	27.02	3.16	53	0.974	29.09	3.23
54	0.966	38.72	3.21	55	0.937	41.22	3.28	56	0.938	40.09	3.27
57	0.891	42.36	3.28	58	0.908	41.12	3.27	59	0.790	43.91	3.66
60	1.458	30.99	3.37	61	1.297	32.83	3.39	62	2.384	29.55	3.54
63	0.847	34.86	3.67	64	0.992	23.68	3.18	65	1.081	34.96	3.33
66	1.351	40.18	3.32	67	1.116	38.29	3.28	68	0.848	35.57	3.44
69	0.680	39.25	3.41	70	4.414	38.15	3.68	71	4.387	38.46	3.69
74	1.336	33.63	2.95	75	1.306	43.00	3.26	76	1.007	44.18	3.29
77	1.120	41.53	3.37	78	1.206	50.22	3.62	80	1.869	17.57	1.71
82	0.730	39.63	3.50	83	0.541	38.50	3.50	84	0.564	41.45	3.53
86	0.770	39.37	3.62	88	1.025	44.35	3.67	89	0.608	32.80	3.64
90	0.398	33.55	3.70	93	1.415	39.30	3.71	139	0.216	29.67	3.69
140	0.354	45.08	2.99	999	0.610A	17.91	1.17				

DIVIDE SLOPES MARKED 'A' BY 10. DIVIDE THOSE MARKED 'B' BY 100.

TABLE XXVI

SIMPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING INTERSCYE CURVATURE NO. 82

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.173	25.07	2.06	4	1.830	32.70	2.27	5	1.184	32.72	2.30
36	0.536	16.97	2.27	37	0.314	3.53	1.83	38	0.305	9.36	1.91
39	0.246	12.98	2.00	40	0.275	14.62	2.04	41	0.236	19.20	2.07
42	0.161	21.27	2.14	43	0.211	15.30	2.14	44	0.182	17.72	2.18
45	0.234	22.08	2.23	46	0.396	20.68	2.27	47	0.370	22.42	2.29
48	0.360	22.73	2.30	50	0.134	14.36	2.26	51	0.135	14.80	2.27
52	0.189	16.16	2.15	53	0.476	17.40	2.18	54	0.500	21.34	2.14
55	0.487	22.58	2.17	56	0.480	22.20	2.17	57	0.466	23.10	2.17
58	0.472	22.53	2.17	60	0.808	16.09	2.17	61	0.714	17.22	2.19
62	1.176	17.46	2.29	63	0.629	12.51	2.21	64	0.659	7.46	1.91
65	0.757	13.87	1.96	66	0.516	25.49	2.31	67	0.633	19.78	2.11
68	0.399	21.10	2.27	69	0.328	22.53	2.25	74	0.591	21.08	2.16
75	0.659	23.84	2.18	76	0.544	23.69	2.15	77	0.591	22.56	2.20
78	0.655	26.91	2.30	80	0.473	23.00	2.27	81	0.282	16.66	2.17
83	0.417	14.46	2.02	84	0.438	16.60	2.04	88	1.005	14.59	2.02
89	0.390	14.26	2.25	90	0.246	15.48	2.30	140	0.179	24.87	2.08
999	0.309A	9.87	0.81								

EQUATIONS FOR ESTIMATING INTERSCYE CURVATURE, MAXIMUM NO. 83

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.241	35.48	2.74	4	2.199	46.56	3.11	5	1.552	46.33	3.10
7	0.193	18.10	3.08	8	0.193	17.98	3.08	9	0.215	19.46	3.06
10	0.213	21.30	3.07	11	0.213	21.27	3.09	13	0.235	25.82	3.11
18	0.465	29.87	3.10	23	0.332	20.97	3.11	24	0.343	24.11	3.11
25	0.405	25.90	3.11	30	0.469	22.46	3.05	36	0.772	23.34	3.02
37	0.367	12.54	2.69	38	0.374	17.88	2.71	39	0.287	23.64	2.85
40	0.340	24.12	2.84	41	0.291	29.83	2.88	42	0.209	31.49	2.91
43	0.281	23.08	2.89	44	0.257	24.91	2.90	45	0.326	31.31	2.99
46	0.585	28.15	3.01	47	0.503	32.22	3.09	48	0.490	32.62	3.09
50	0.203	18.04	2.98	51	0.218	16.68	2.96	52	0.264	22.99	2.87
53	0.703	23.31	2.87	54	0.640	31.83	2.93	55	0.600	34.02	2.98
56	0.615	32.91	2.96	57	0.573	34.69	2.98	58	0.590	33.73	2.97
59	0.597	33.29	3.11	60	1.084	23.94	2.93	61	0.959	25.44	2.95
62	1.866	21.47	3.01	63	0.841	19.25	2.98	64	0.796	16.06	2.72
65	0.893	24.39	2.81	67	0.801	30.06	2.90	68	0.615	27.88	2.99
69	0.457	31.94	3.02	70	3.646	27.03	3.09	71	3.636	27.21	3.10
72	2.313	30.62	3.12	73	2.461	29.36	3.11	74	0.694	32.98	3.00
75	0.780	36.12	3.02	76	0.644	35.94	2.99	77	0.706	34.46	3.03
78	1.013	36.79	3.03	80	0.722	30.98	2.99	81	0.380	24.61	2.93
82	0.756	22.89	2.72	84	0.450	30.43	2.99	88	1.223	24.48	2.84
89	0.619	16.39	2.93	90	0.429	15.25	2.96	139	0.195	17.29	3.06
140	0.257	34.77	2.72	999	0.431A	13.96	1.08				

DIVIDE SLOPES MARKED 'A' BY 10. DIVIDE THOSE MARKED 'B' BY 100.

TABLE XXVI

SIMPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING BACK CURVATURE — NO. 84

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.246	27.94	2.43	3	2.011	38.32	2.85	4	2.713	38.66	2.76
5	1.550	39.09	2.85	30	0.398	19.29	2.87	36	0.709	18.22	2.81
37	0.385	3.49	2.32	38	0.389	9.37	2.36	39	0.335	12.09	2.38
40	0.409	11.75	2.32	41	0.332	19.83	2.45	42	0.229	22.53	2.56
43	0.303	13.77	2.54	44	0.262	17.18	2.62	45	0.341	23.23	2.69
46	0.581	21.05	2.75	47	0.564	22.89	2.78	48	0.546	23.45	2.79
50	0.198	11.57	2.73	51	0.206	11.23	2.74	52	0.270	15.15	2.57
53	0.705	15.99	2.59	54	0.688	23.27	2.59	55	0.677	24.81	2.63
56	0.677	24.01	2.62	57	0.649	25.49	2.62	58	0.642	25.11	2.64
59	0.542	27.52	2.90	60	1.120	15.85	2.63	61	0.960	18.17	2.68
62	1.706	16.62	2.80	63	0.607	20.39	2.89	64	0.778	9.57	2.47
65	0.979	14.74	2.41	66	0.695	29.27	2.86	67	0.918	20.00	2.48
68	0.609	20.85	2.74	69	0.486	23.58	2.72	74	0.865	21.69	2.55
75	0.959	25.83	2.60	76	0.778	25.89	2.57	77	0.840	24.38	2.66
78	0.932	30.55	2.82	80	0.557	27.94	2.87	81	0.341	19.90	2.74
82	0.686	18.10	2.55	83	0.388	22.98	2.77	88	0.854	24.75	2.82
89	0.492	15.91	2.81	90	0.319	16.76	2.86	140	0.252	27.81	2.46
999	0.439A	11.00	0.96								

EQUATIONS FOR ESTIMATING WAIST BACK — NO. 85

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
7	0.216	5.50	1.80	8	0.216	5.36	1.79	9	0.244	6.55	1.76
10	0.225	10.84	1.84	11	0.229	10.28	1.85	12	0.217	14.84	1.90
13	0.194	21.06	2.04	14	0.210	20.95	2.01	15	0.193	24.56	2.06
16	0.186	25.22	2.08	17	0.196	26.26	2.08	18	0.319	27.12	2.08
19	0.205	25.24	2.06	22	0.419	5.20	1.75	23	0.459	1.22	1.67
24	0.438	8.23	1.77	25	0.536	9.42	1.70	27	0.330	33.02	2.06
30	0.272	24.89	2.10	31	0.448	26.62	2.09	33	0.193	26.20	2.09
35	0.121	16.40	1.96	50	0.151	17.19	1.96	51	0.180	13.50	1.88
62	1.015	25.32	2.09	70	2.318	26.29	2.10	71	2.400	25.87	2.09
86	0.512	23.32	1.98	87	0.323	26.26	2.07	89	0.329	22.97	2.07
90	0.255	20.22	2.05	91	0.771	26.34	2.09	94	0.774	21.88	2.04
139	0.208	6.27	1.80								

DIVIDE SLOPES MARKED 'A' BY 10. DIVIDE THOSE MARKED 'B' BY 100.

TABLE XXVI

SIMPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING ANTERIOR WAIST LENGTH NO. 86

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.119	26.71	1.74	7	0.149	9.42	1.74	8	0.149	9.33	1.74
9	0.155	12.00	1.76	10	0.156	13.01	1.76	11	0.179	9.95	1.71
12	0.155	15.24	1.78	22	0.312	7.28	1.67	23	0.328	5.50	1.66
24	0.324	9.70	1.69	25	0.365	12.41	1.70	27	0.257	27.74	1.85
30	0.244	19.57	1.85	35	0.839A	16.86	1.82	37	0.148	18.72	1.80
38	0.145	21.36	1.82	39	0.136	21.38	1.80	40	0.155	22.06	1.81
41	0.139	24.24	1.80	43	0.123	22.06	1.83	44	0.108	23.29	1.85
46	0.293	22.94	1.84	50	0.159	9.02	1.63	51	0.159	9.72	1.66
52	0.112	22.38	1.83	53	0.311	22.04	1.82	54	0.278	25.95	1.85
56	0.269	26.37	1.85	60	0.495	21.96	1.83	61	0.453	22.26	1.83
62	1.014	18.41	1.82	64	0.291	21.39	1.84	65	0.346	23.89	1.84
67	0.370	24.65	1.82	70	2.082	20.81	1.85	71	2.129	20.59	1.85
74	0.347	25.37	1.84	81	0.191	21.12	1.81	85	0.399	17.41	1.75
139	0.143	10.04	1.75	140	0.124	26.52	1.74	999	0.213A	10.51	0.68

EQUATIONS FOR ESTIMATING SLEEVE INSEAM NO. 87

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
7	0.285	-2.07	1.71	8	0.284	-2.09	1.71	9	0.319	-0.28	1.66
10	0.309	3.38	1.72	11	0.327	0.96	1.68	12	0.335	4.49	1.67
13	0.396	4.42	1.63	14	0.409	6.03	1.60	15	0.420	9.40	1.62
16	0.421	9.52	1.66	17	0.455	11.05	1.61	18	0.745	12.85	1.64
19	0.465	9.48	1.53	20	0.681	36.51	2.23	22	0.278	20.70	2.24
23	0.296	18.79	2.23	24	0.257	25.19	2.28	25	0.305	26.44	2.28
28	0.827	10.18	1.86	29	0.497	20.41	1.99	30	0.592	10.13	1.85
31	1.085	10.49	1.65	32	1.391	11.60	1.49	33	0.423	12.77	1.77
34	0.314	17.80	1.87	35	0.212	1.89	1.60	63	0.570	23.70	2.23
79	0.881	31.21	2.24	85	0.384	28.57	2.26	89	0.658	9.04	1.82
90	0.576	-1.71	1.48	91	1.193	22.20	2.13	94	1.226	14.62	1.98
139	0.272	-0.65	1.74								

EQUATIONS FOR ESTIMATING SPINE-TO-SCYE LENGTH (SLEEVE LENGTH SEGMENT) NO. 88

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.775A	15.89	1.23	37	0.129	7.41	1.18	38	0.130	9.41	1.19
39	0.100	11.39	1.23	40	0.115	11.82	1.24	41	0.907A	14.27	1.26
42	0.627A	15.00	1.28	43	0.856A	12.35	1.27	44	0.756A	13.16	1.28
50	0.634A	10.58	1.29	51	0.681A	10.15	1.28	52	0.810A	12.27	1.26
53	0.218	12.28	1.26	54	0.204	14.77	1.27	55	0.197	15.32	1.28
56	0.197	15.09	1.28	57	0.181	15.72	1.28	58	0.190	15.32	1.28
60	0.367	11.75	1.26	61	0.322	12.32	1.27	62	0.624	11.03	1.28
63	0.313	9.15	1.26	64	0.267	9.19	1.21	65	0.319	11.44	1.21
67	0.263	14.02	1.26	76	0.204	16.10	1.29	81	0.123	12.34	1.27
82	0.311	9.46	1.13	83	0.209	10.04	1.17	84	0.169	13.24	1.26
89	0.308	3.94	1.14	90	0.191	5.17	1.20	140	0.821A	15.70	1.22
999	0.138A	6.26	0.48								

DIVIDE SLOPES MARKED 'A' BY 10. DIVIDE THOSE MARKED 'B' BY 100.

TABLE XXVI

SIMPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING SPINE-TO-ELBOW LENGTH (SLEEVE LENGTH SEGMENT) NO. 89

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.182	42.81	1.98	7	0.272	9.23	1.77	8	0.272	9.05	1.76
9	0.296	12.12	1.77	10	0.291	14.95	1.80	11	0.307	12.79	1.77
12	0.289	19.12	1.88	13	0.353	17.92	1.81	14	0.349	20.81	1.85
15	0.355	23.97	1.87	16	0.354	24.21	1.90	17	0.360	27.14	1.94
18	0.589	28.59	1.96	19	0.376	25.30	1.87	22	0.359	23.06	2.10
23	0.379	20.87	2.09	24	0.360	26.78	2.14	25	0.399	30.18	2.16
28	0.698	24.67	2.03	29	0.467	31.04	2.03	30	0.583	19.84	1.85
31	1.056	20.57	1.69	32	0.964	30.77	2.01	33	0.371	25.81	1.93
34	0.271	30.60	2.01	35	0.188	15.86	1.79	36	0.503	36.34	2.25
37	0.250	28.21	2.04	38	0.222	34.61	2.14	39	0.168	38.24	2.21
40	0.207	37.93	2.18	41	0.168	42.03	2.22	42	0.113	43.64	2.26
43	0.180	36.46	2.19	44	0.170	37.12	2.18	45	0.197	42.39	2.26
46	0.422	38.00	2.21	47	0.387	40.10	2.24	48	0.377	40.41	2.25
49	0.617	40.31	2.27	50	0.166	27.68	2.12	51	0.186	25.40	2.08
52	0.175	35.82	2.16	53	0.467	35.99	2.16	59	0.514	39.45	2.22
60	0.725	36.30	2.19	61	0.626	37.68	2.21	62	1.570	29.83	2.13
63	0.868	22.21	1.94	64	0.509	32.00	2.10	65	0.532	38.42	2.18
67	0.512	40.96	2.19	68	0.432	38.21	2.21	69	0.277	42.74	2.27
70	3.406	32.43	2.17	71	3.424	32.43	2.17	72	1.719	39.37	2.28
73	1.819	38.51	2.27	74	0.423	43.32	2.26	78	0.781	43.60	2.20
79	1.080	37.48	2.14	81	0.229	38.38	2.23	82	0.379	40.03	2.22
83	0.332	36.92	2.15	84	0.306	40.42	2.22	85	0.388	37.60	2.25
87	0.653	24.50	1.82	88	0.969	33.58	2.01	90	0.678	-0.64	0.85
91	1.236	30.60	2.09	92	2.333	35.69	2.23	93	0.979	35.38	2.24
94	1.197	24.51	1.99	95	1.560	39.48	2.28	98	0.483	26.82	2.27
125	0.148	48.89	2.25	139	0.266	9.53	1.76	140	0.194	42.28	1.96
999	0.325A	16.85	0.78								

DIVIDE SLOPES MARKED 'A' BY 10. DIVIDE THOSE MARKED 'B' BY 100.

TABLE XXVI

SIMPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING SPINE-TO-WRIST LENGTH (SLEEVE LENGTH SEGMENT) NO. 90

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.250	65.15	2.74	7	0.419	11.66	2.17	8	0.419	11.39	2.16
9	0.462	15.28	2.13	10	0.458	19.19	2.17	11	0.480	16.22	2.13
12	0.465	24.57	2.27	13	0.561	23.33	2.16	14	0.561	27.33	2.20
15	0.577	31.88	2.23	16	0.580	31.90	2.28	17	0.593	36.47	2.34
18	0.985	38.23	2.35	19	0.620	33.39	2.19	22	0.495	37.87	2.90
23	0.525	34.64	2.87	24	0.487	43.69	2.97	25	0.566	46.76	2.96
28	1.158	32.05	2.53	29	0.740	44.28	2.62	30	0.906	27.55	2.31
31	1.568	30.97	2.13	32	1.777	38.03	2.26	33	0.590	35.85	2.41
34	0.435	43.12	2.55	35	0.297	20.41	2.14	36	0.755	54.10	3.07
37	0.316	47.85	2.89	38	0.280	55.99	3.01	39	0.211	60.65	3.09
40	0.267	59.74	3.05	41	0.224	64.53	3.08	43	0.240	57.11	3.04
44	0.222	58.43	3.04	45	0.253	65.55	3.14	46	0.581	58.49	3.05
47	0.498	62.58	3.13	48	0.488	62.88	3.13	49	0.863	61.39	3.13
50	0.230	44.07	2.92	51	0.257	41.02	2.86	52	0.232	56.38	3.00
53	0.640	55.84	2.98	59	0.799	58.03	3.00	60	0.987	56.41	3.03
61	0.858	58.16	3.05	62	2.288	45.35	2.89	63	1.178	37.36	2.70
64	0.647	52.49	2.96	65	0.683	60.46	3.05	67	0.699	62.72	3.03
68	0.561	59.97	3.08	70	5.024	48.77	2.94	71	5.129	48.29	2.94
72	2.373	60.32	3.14	73	2.527	59.01	3.13	74	0.547	66.65	3.15
78	1.156	65.21	2.99	79	1.442	58.44	2.97	81	0.284	61.06	3.13
82	0.455	63.63	3.13	83	0.438	57.95	2.99	84	0.377	63.70	3.11
85	0.571	56.45	3.07	87	1.088	31.57	2.03	88	1.141	56.35	2.94
89	1.289	10.86	1.18	91	1.931	44.09	2.75	92	3.531	52.91	3.02
93	1.481	52.45	3.03	94	1.905	33.73	2.53	95	2.503	57.39	3.08
98	0.733	39.37	3.10	104	0.945	58.88	3.14	107	1.110	56.06	3.14
125	0.210	73.31	3.10	139	0.408	12.43	2.16	140	0.267	64.39	2.71
999	0.446A	25.66	1.08								

DIVIDE SLOPES MARKED 'A' BY 10. DIVIDE THOSE MARKED 'B' BY 100.

TABLE XXVI

SIMPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING HAND LENGTH — NO. 91

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.488A	15.57	0.89	7	0.960A	2.82	0.77	8	0.963A	2.71	0.76
9	0.105	3.77	0.76	10	0.104	4.67	0.77	11	0.110	3.86	0.76
12	0.105	5.96	0.79	13	0.128	5.55	0.77	14	0.131	6.18	0.76
15	0.135	7.22	0.77	16	0.132	7.53	0.79	17	0.132	8.79	0.80
18	0.201	9.94	0.83	19	0.139	8.03	0.78	22	0.119	8.35	0.88
23	0.125	7.68	0.87	24	0.120	9.54	0.89	25	0.130	10.84	0.89
28	0.287	6.60	0.80	29	0.155	10.99	0.86	30	0.187	7.64	0.82
31	0.338	7.90	0.79	32	0.324	10.81	0.85	33	0.129	8.82	0.82
34	0.895A	10.88	0.85	35	0.635A	5.73	0.79	50	0.463A	11.23	0.90
51	0.537A	10.32	0.89	59	0.199	13.01	0.89	62	0.654	8.60	0.84
63	0.213	10.75	0.89	70	1.450	9.49	0.85	71	1.455	9.51	0.85
73	0.698	12.70	0.91	78	0.265	15.09	0.90	85	0.144	12.55	0.90
87	0.188	10.09	0.84	89	0.196	7.93	0.83	90	0.161	5.57	0.80
92	1.200	9.32	0.84	93	0.508	9.08	0.84	94	0.607	3.77	0.67
95	0.732	11.89	0.89	139	0.944A	2.84	0.76	140	0.526A	15.39	0.88
999	0.872B	6.13	0.35								

EQUATIONS FOR ESTIMATING HAND BREADTH — NO. 92

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.216A	6.31	0.35	7	0.246A	3.57	0.36	8	0.247A	3.53	0.36
9	0.265A	3.87	0.36	10	0.267A	4.03	0.36	11	0.277A	3.90	0.36
12	0.250A	4.60	0.37	13	0.294A	4.61	0.37	14	0.293A	4.82	0.37
15	0.300A	5.07	0.37	19	0.317A	5.19	0.37	23	0.393A	4.19	0.37
28	0.710A	4.64	0.37	30	0.509A	4.63	0.37	31	0.789A	5.11	0.37
33	0.356A	4.92	0.36	35	0.161A	4.35	0.36	36	0.847A	4.70	0.36
37	0.269A	4.85	0.36	38	0.257A	5.39	0.37	46	0.558A	5.53	0.37
47	0.557A	5.65	0.37	48	0.549A	5.67	0.37	49	0.113	5.17	0.36
50	0.189A	4.64	0.37	51	0.200A	4.55	0.37	53	0.643A	5.17	0.36
59	0.791A	5.42	0.36	60	0.123	4.67	0.35	61	0.107	4.88	0.35
62	0.314	2.86	0.32	63	0.769A	4.80	0.37	70	0.632	3.68	0.34
71	0.640	3.65	0.34	73	0.283	5.25	0.37	78	0.100	6.31	0.37
89	0.611A	4.30	0.36	90	0.486A	3.69	0.35	91	0.198	3.91	0.34
93	0.316	1.77	0.26	94	0.167	3.53	0.34	95	0.349	4.46	0.35
125	0.274A	6.74	0.36	139	0.250A	3.44	0.36	140	0.223A	6.29	0.36
999	0.386B	2.48	0.14								

DIVIDE SLOPES MARKED 'A' BY 10. DIVIDE THOSE MARKED 'B' BY 100.

TABLE XXVI

SIMPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING HAND CIRCUMFERENCE — NO. 93

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.597A	14.87	0.79	7	0.551A	9.39	0.84	8	0.552A	9.33	0.84
9	0.598A	9.99	0.85	10	0.610A	10.27	0.84	11	0.641A	9.86	0.84
12	0.559A	11.70	0.86	13	0.648A	11.82	0.86	23	0.912A	10.51	0.86
30	0.125	11.14	0.85	33	0.808A	12.33	0.85	35	0.358A	11.19	0.85
36	0.190	11.91	0.85	37	0.749A	10.80	0.82	38	0.770A	11.83	0.82
39	0.584A	13.08	0.84	40	0.707A	13.06	0.84	41	0.610A	14.22	0.84
43	0.574A	12.94	0.85	44	0.515A	13.41	0.85	46	0.165	12.33	0.83
47	0.158	12.92	0.83	48	0.155	13.01	0.84	49	0.315	11.68	0.81
50	0.549A	9.84	0.83	51	0.554A	10.00	0.83	52	0.533A	12.99	0.85
53	0.196	11.05	0.79	54	0.152	14.15	0.83	55	0.154	14.37	0.84
56	0.166	13.87	0.82	57	0.131	14.96	0.85	58	0.147	14.42	0.84
59	0.244	11.74	0.80	60	0.372	9.58	0.75	61	0.339	9.85	0.75
62	0.900	4.85	0.64	63	0.201	11.11	0.85	64	0.159	11.66	0.83
65	0.164	13.73	0.85	67	0.180	13.97	0.84	70	1.618	8.39	0.76
71	1.644	8.29	0.76	72	0.743	12.29	0.84	73	0.793	11.86	0.84
74	0.150	14.77	0.86	78	0.284	14.79	0.83	81	0.757A	13.38	0.86
89	0.139	10.91	0.84	90	0.111	9.48	0.83	91	0.455	9.95	0.80
92	1.715	5.36	0.61	94	0.379	9.20	0.80	95	0.883	10.49	0.79
125	0.692A	16.25	0.82	139	0.558A	9.13	0.84	140	0.603A	14.89	0.80
999	0.107A	5.85	0.31								

EQUATIONS FOR ESTIMATING FOOT LENGTH — NO. 94

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.765A	19.65	0.97	7	0.130	3.00	0.81	8	0.130	2.91	0.81
9	0.142	4.30	0.81	10	0.141	5.48	0.82	11	0.148	4.53	0.81
12	0.140	7.50	0.86	13	0.170	7.02	0.83	14	0.169	8.33	0.85
15	0.174	9.68	0.85	16	0.173	9.85	0.87	17	0.171	11.64	0.90
18	0.290	11.89	0.89	19	0.186	10.21	0.84	22	0.168	9.91	0.99
23	0.181	8.58	0.97	24	0.166	11.83	1.01	25	0.193	12.88	1.00
28	0.359	9.33	0.91	29	0.214	13.86	0.96	30	0.268	8.68	0.88
31	0.401	11.64	0.92	32	0.485	12.73	0.91	33	0.172	11.32	0.91
34	0.123	13.76	0.95	35	0.870A	6.74	0.85	36	0.218	16.71	1.07
37	0.752A	16.52	1.06	41	0.658A	19.65	1.07	43	0.703A	17.49	1.06
44	0.657A	17.81	1.06	46	0.201	16.77	1.03	47	0.179	17.96	1.05
48	0.175	18.08	1.05	49	0.379	16.08	1.02	50	0.751A	12.47	1.00
51	0.843A	11.42	0.98	52	0.696A	17.11	1.05	53	0.181	17.35	1.05
59	0.262	17.00	1.03	60	0.311	16.77	1.04	61	0.272	17.28	1.05
62	0.840	11.50	0.96	63	0.293	13.57	1.02	64	0.156	17.54	1.07
67	0.208	19.05	1.05	68	0.161	18.44	1.07	70	1.784	13.13	0.99
71	1.855	12.75	0.98	72	0.839	17.26	1.06	73	0.902	16.73	1.06
78	0.371	19.45	1.03	79	0.382	18.47	1.06	85	0.200	15.97	1.04
87	0.267	12.29	0.92	89	0.263	10.05	0.93	90	0.220	6.56	0.86
91	0.839	8.65	0.79	92	1.400	13.49	0.99	93	0.585	13.35	0.99
95	1.167	13.72	0.97	96	0.548	13.98	1.06	98	0.277	8.87	1.03
104	0.364	16.09	1.05	107	0.398	15.64	1.06	125	0.637A	22.16	1.07
139	0.126	3.33	0.81	140	0.816A	19.43	0.96	999	0.137A	7.73	0.38

DIVIDE SLOPES MARKED 'A' BY 10. DIVIDE THOSE MARKED 'B' BY 100.

TABLE XXVI

SIMPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING FOOT BREADTH — NO. 95

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.260A	7.37	0.46	7	0.295A	4.09	0.47	8	0.293A	4.10	0.47
9	0.312A	4.52	0.47	10	0.317A	4.69	0.47	11	0.335A	4.45	0.46
12	0.326A	5.01	0.47	13	0.377A	5.09	0.47	14	0.360A	5.51	0.47
15	0.401A	5.55	0.47	30	0.682A	4.95	0.46	33	0.419A	5.76	0.47
35	0.216A	4.56	0.46	46	0.780A	6.04	0.47	47	0.838A	6.01	0.46
48	0.813A	6.08	0.46	49	0.159	5.52	0.45	50	0.234A	5.25	0.47
59	0.914A	6.40	0.47	60	0.131	5.79	0.46	61	0.115	6.00	0.47
62	0.323	4.03	0.44	63	0.985A	5.34	0.47	70	0.589	5.25	0.46
71	0.614	5.12	0.46	89	0.667A	5.31	0.47	90	0.563A	4.39	0.46
91	0.197	5.25	0.46	92	0.571	4.55	0.45	93	0.266	4.00	0.44
94	0.227	3.40	0.43	139	0.291A	4.08	0.46	140	0.262A	7.38	0.46
999	0.464B	2.90	0.18								

EQUATIONS FOR ESTIMATING HEAD LENGTH — NO. 96

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
7	0.360A	12.57	0.64	8	0.362A	12.52	0.64	94	0.199	13.62	0.64
98	0.289	2.55	0.49	103	0.203	14.79	0.64	104	0.236	13.24	0.62
105	0.290	15.46	0.63	106	0.374	12.29	0.57	107	0.410	9.72	0.55
108	0.362	11.29	0.58	109	0.305	12.52	0.60	110	0.219	14.42	0.63
111	0.207	11.21	0.60								

EQUATIONS FOR ESTIMATING HEAD BREADTH — NO. 97

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
98	0.158	5.85	0.54	112	0.178	8.48	0.54	115	0.698	5.52	0.48
116	0.511	7.92	0.52	117	0.356	10.89	0.56				

EQUATIONS FOR ESTIMATING HEAD CIRCUMFERENCE — NO. 98

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.869A	49.85	1.49	7	0.894A	40.37	1.53	8	0.902A	40.19	1.53
11	0.977A	41.97	1.54	15	0.121	44.86	1.54	30	0.212	42.69	1.52
35	0.623A	42.45	1.53	36	0.324	43.93	1.53	37	0.104	44.42	1.53
46	0.231	46.48	1.54	50	0.762A	43.10	1.54	60	0.385	45.83	1.53
89	0.220	43.14	1.53	90	0.175	40.94	1.52	94	0.573	41.07	1.49
96	1.655	24.40	1.17	97	1.174	37.82	1.47	99	0.792	44.79	1.51
100	0.634	47.41	1.52	101	0.470	47.93	1.53	102	0.560	45.95	1.50
103	0.579	44.54	1.49	104	0.663	40.34	1.44	105	0.599	48.77	1.53
106	0.824	41.38	1.41	107	0.837	37.13	1.41	108	0.765	39.82	1.44
109	0.649	42.34	1.47	111	0.648	32.32	1.31	112	0.626	33.63	1.36
115	1.325	37.79	1.48	139	0.864A	40.64	1.53	140	0.903A	49.73	1.49
999	0.155A	19.63	0.59								

DIVIDE SLOPES MARKED 'A' BY 10. DIVIDE THOSE MARKED 'B' BY 100.

TABLE XXVI

SIMPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING TRAGION TO TOP OF HEAD — NO. 99

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
98	0.175	3.12	0.71	100	0.645	5.14	0.48	101	0.391	6.95	0.61
102	0.446	5.63	0.59	103	0.440	4.88	0.58	104	0.440	3.09	0.58
106	0.296	7.88	0.71	107	0.280	6.79	0.72	111	0.177	6.57	0.72
112	0.285	3.06	0.65								

EQUATIONS FOR ESTIMATING ECTOCANTHUS TO TOP OF HEAD — NO. 100

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
98	0.203	0.63	0.86	99	0.933	-0.11	0.58	101	0.675	1.80	0.47
102	0.737	0.04	0.44	103	0.710	-0.89	0.46	104	0.655	-2.58	0.54
111	0.223	4.01	0.86	112	0.266	2.74	0.84				

EQUATIONS FOR ESTIMATING PRONASALE TO TOP OF HEAD — NO. 101

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
98	0.245	1.32	1.10	99	0.920	3.05	0.94	100	1.097	1.85	0.60
102	1.007	-1.26	0.39	103	0.941	-2.01	0.51	104	0.842	-3.69	0.67
111	0.262	5.65	1.10	112	0.291	4.89	1.10				

EQUATIONS FOR ESTIMATING SUBNASALE TO TOP OF HEAD — NO. 102

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
98	0.256	1.87	1.02	99	0.920	4.21	0.84	100	1.052	3.54	0.52
101	0.884	2.86	0.36	103	0.926	-0.59	0.36	104	0.846	-2.62	0.53
111	0.274	6.38	1.02	112	0.284	6.28	1.02				

EQUATIONS FOR ESTIMATING STOMION TO TOP OF HEAD — NO. 103

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
96	0.554	7.63	1.06	98	0.276	2.68	1.03	99	0.947	5.78	0.86
100	1.057	5.39	0.56	101	0.862	5.10	0.49	102	0.966	2.45	0.37
104	0.886	-1.58	0.49	106	0.372	11.74	1.06	111	0.268	8.50	1.05
112	0.305	7.48	1.04								

EQUATIONS FOR ESTIMATING MENTON TO TOP OF HEAD — NO. 104

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
7	0.682A	10.85	1.06	8	0.677A	10.89	1.06	11	0.719A	12.42	1.07
23	0.115	12.06	1.08	35	0.438A	13.18	1.08	90	0.111	13.07	1.08
94	0.372	12.95	1.06	96	0.664	9.68	1.05	98	0.326	4.02	1.01
99	0.978	9.46	0.86	100	1.006	10.07	0.67	101	0.797	10.14	0.65
102	0.911	7.41	0.55	103	0.915	5.60	0.50	106	0.450	14.54	1.05
111	0.312	11.05	1.04	112	0.328	10.78	1.04	120	0.866	17.11	1.05
121	0.775	13.67	1.04	139	0.638A	11.41	1.07				

EQUATIONS FOR ESTIMATING TRAGION TO WALL — NO. 105

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
96	0.510	0.78	0.83	98	0.184	0.08	0.85	106	0.800	-2.92	0.46
107	0.685	-4.34	0.61	108	0.678	-3.16	0.61	109	0.609	-1.58	0.63
110	0.489	1.26	0.71								

DIVIDE SLOPES MARKED 'A' BY 10. DIVIDE THOSE MARKED 'B' BY 100.

TABLE XXVI

SIMPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING ECTOCANTHUS TO WALL — NO. 106

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
96	0.760	2.37	0.82	98	0.293	0.29	0.84	99	0.476	10.31	0.90
103	0.278	11.41	0.92	104	0.325	9.25	0.89	105	0.926	6.95	0.49
107	0.839	-1.41	0.54	108	0.819	0.26	0.54	109	0.730	2.28	0.58
110	0.571	5.95	0.72	111	0.222	8.64	0.91				

EQUATIONS FOR ESTIMATING PRONASALE TO WALL — NO. 107

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.440A	18.65	0.90	30	0.120	14.30	0.91	90	0.930A	13.79	0.91
94	0.289	14.23	0.90	96	0.821	6.07	0.78	98	0.293	5.11	0.83
99	0.442	15.56	0.90	105	0.781	13.24	0.66	106	0.826	7.67	0.53
108	0.915	3.20	0.34	109	0.803	5.69	0.45	110	0.660	9.15	0.60
140	0.449A	18.63	0.90	999	0.786B	7.34	0.36				

EQUATIONS FOR ESTIMATING SUBNASALE TO WALL — NO. 108

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
96	0.756	5.74	0.84	98	0.280	4.30	0.87	105	0.806	11.46	0.66
106	0.841	5.90	0.55	107	0.955	-0.57	0.35	109	0.879	2.70	0.31
110	0.723	6.48	0.54								

EQUATIONS FOR ESTIMATING LIP PROTRUSION TO WALL — NO. 109

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
96	0.742	5.64	0.93	98	0.276	4.16	0.96	105	0.842	10.74	0.74
106	0.872	5.03	0.64	107	0.975	-1.36	0.49	108	1.023	-0.81	0.34
110	0.805	4.62	0.53								

EQUATIONS FOR ESTIMATING MENTON TO WALL — NO. 110

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
96	0.614	6.93	1.06	105	0.780	10.30	0.89	106	0.786	5.37	0.84
107	0.922	-1.30	0.71	108	0.970	-0.84	0.62	109	0.928	0.32	0.57

EQUATIONS FOR ESTIMATING SAGITTAL CURVATURE — NO. 111

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
96	0.996	16.45	1.33	98	0.545	4.88	1.20	99	0.670	26.26	1.40
100	0.585	27.90	1.39	101	0.423	28.54	1.40	102	0.504	26.77	1.38
103	0.472	26.37	1.39	104	0.532	23.13	1.36	106	0.524	26.21	1.40
112	0.435	20.03	1.36								

EQUATIONS FOR ESTIMATING BITRAGION-CORONAL CURVATURE — NO. 112

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
97	0.992	19.52	1.27	98	0.469	8.19	1.18	99	0.964	21.66	1.20
100	0.621	26.62	1.28	101	0.418	27.75	1.32	102	0.465	26.52	1.31
103	0.479	25.38	1.30	104	0.499	22.99	1.28	111	0.388	20.43	1.28

DIVIDE SLOPES MARKED 'A' BY 10. DIVIDE THOSE MARKED 'B' BY 100.

TABLE XXVI

SIMPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING BIOCULAR BREADTH — NO. 113

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
115	0.365	4.97	0.46	116	0.363	4.99	0.44	117	0.361	6.00	0.45

EQUATIONS FOR ESTIMATING BIAURICULAR BREADTH — NO. 114

X	SLOPE	CONST	S.E.
115	0.713	6.64	0.88

EQUATIONS FOR ESTIMATING BITRAGION BREADTH — NO. 115

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.260A	11.39	0.46	36	0.109	9.21	0.46	37	0.352A	9.35	0.47
38	0.350A	9.94	0.47	40	0.349A	10.30	0.47	41	0.322A	10.73	0.47
42	0.218A	11.02	0.47	43	0.295A	10.13	0.47	44	0.266A	10.35	0.47
46	0.735A	10.22	0.47	52	0.272A	10.17	0.47	60	0.131	9.81	0.47
61	0.113	10.07	0.47	62	0.247	9.19	0.47	64	0.747A	9.76	0.47
67	0.876A	10.78	0.47	97	0.493	5.73	0.40	98	0.126	5.98	0.46
113	0.377	9.24	0.46	114	0.198	9.75	0.46	116	0.619	4.90	0.35
117	0.468	8.12	0.42	140	0.275A	11.32	0.46	999	0.465B	4.48	0.18

EQUATIONS FOR ESTIMATING BIZYGOMATIC BREADTH — NO. 116

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.275A	11.31	0.54	36	0.109	9.22	0.55	61	0.122	9.85	0.55
97	0.483	5.89	0.50	113	0.501	8.05	0.52	115	0.828	2.23	0.40
117	0.582	6.97	0.48	140	0.287A	11.27	0.54	999	0.491B	4.45	0.21

EQUATIONS FOR ESTIMATING BIGONIAL BREADTH — NO. 117

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.259A	8.69	0.53	37	0.358A	6.59	0.53	40	0.376A	7.39	0.53
60	0.132	7.09	0.53	61	0.118	7.24	0.53	73	0.417	6.79	0.53
97	0.319	5.56	0.53	113	0.472	5.62	0.51	115	0.593	2.54	0.48
116	0.551	3.08	0.46	140	0.271A	8.64	0.53	999	0.463B	3.42	0.21

EQUATIONS FOR ESTIMATING NASAL BREADTH — NO. 118

X	SLOPE	CONST	S.E.
119	0.412	1.39	0.28

DIVIDE SLOPES MARKED 'A' BY 10. DIVIDE THOSE MARKED 'B' BY 100.

TABLE XXVI
SIMPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING LIP LENGTH — NO. 119

X	SLOPE	CONST	S.E.
118	0.671	2.24	0.36

EQUATIONS FOR ESTIMATING MENTON-SUBNASALE LENGTH — NO. 120

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
104	0.174	1.73	0.47	121	0.528	-0.07	0.39

EQUATIONS FOR ESTIMATING MENTON-SELLION LENGTH — NO. 121

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
104	0.224	5.72	0.56	120	0.760	6.42	0.47	122	0.884	6.61	0.49

EQUATIONS FOR ESTIMATING SUBNASALE-SELLION LENGTH — NO. 122

X	SLOPE	CONST	S.E.
121	0.397	0.33	0.33

EQUATIONS FOR ESTIMATING EAR LENGTH...BREADTH..NO USEFUL EQUATIONS — NO. 123/4

EQUATIONS FOR ESTIMATING GRIP STRENGTH — NO. 125

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.274	14.07	5.32	37	0.422	-12.48	5.27	38	0.392	-3.13	5.36
53	0.892	-3.20	5.33	56	0.792	8.67	5.40	59	1.123	-0.40	5.34
60	1.756	-11.33	5.16	61	1.591	-9.84	5.16	62	3.198	-17.96	5.23
63	1.163	-11.79	5.38	64	0.841	-5.32	5.36	70	6.842	-12.07	5.30
71	6.791	-11.54	5.32	89	0.831	-14.41	5.34	90	0.619	-19.37	5.32
92	5.872	-14.47	5.22	93	2.736	-20.23	5.13	94	1.629	-9.32	5.40
140	0.288	13.51	5.31	999	0.488A	5.56	2.09				

EQUATIONS FOR ESTIMATING HEIGHT AS REPORTED BY SUBJECTS — NO. 139

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.460	138.05	5.12	7	0.989	4.28	1.71	8	0.988	3.81	1.67
9	1.069	15.80	1.84	10	1.060	24.83	2.11	11	1.107	18.48	1.94
12	1.064	38.71	2.72	13	1.232	41.06	2.74	14	1.229	50.12	2.94
15	1.215	64.16	3.36	16	1.237	62.91	3.42	17	1.253	73.51	3.68
18	2.010	80.22	3.92	19	1.295	68.12	3.31	21	4.347	135.16	5.63
22	1.416	45.27	4.12	23	1.494	36.72	3.97	24	1.435	58.84	4.35
25	1.621	70.59	4.43	26	1.365	132.71	5.71	28	2.366	67.49	4.34
29	1.482	93.90	4.64	30	1.825	59.80	3.89	31	2.753	79.24	4.26
32	2.945	95.73	4.69	33	1.033	88.03	4.71	34	0.781	99.13	4.87
35	0.611	42.88	3.30	36	1.222	123.36	5.83	37	0.438	120.62	5.76
40	0.404	134.58	5.86	43	0.412	126.03	5.73	44	0.396	126.88	5.70
46	1.107	124.42	5.65	47	0.885	134.39	5.85	48	0.879	134.51	5.85
49	1.763	127.43	5.75	50	0.558	78.43	4.85	51	0.638	68.86	4.55
52	0.413	123.31	5.64	53	1.061	125.24	5.68	59	1.458	125.27	5.61
60	1.515	129.04	5.82	61	1.373	130.31	5.82	62	4.099	103.27	5.45
63	1.745	102.06	5.48	64	0.880	127.76	5.84	67	1.156	136.71	5.76
68	1.039	128.27	5.73	70	9.937	103.65	5.38	71	10.179	102.50	5.36
72	4.788	125.74	5.79	73	5.044	123.55	5.77	78	2.201	137.23	5.53
79	2.193	132.45	5.76	81	0.536	129.65	5.81	83	0.690	130.52	5.75
85	1.618	99.06	5.03	86	1.422	116.86	5.52	87	1.780	86.06	4.44
89	1.756	70.98	4.51	90	1.416	51.91	4.01	91	3.921	92.52	4.90
92	6.300	117.01	5.67	93	2.589	117.18	5.72	94	3.798	73.19	4.45
95	4.488	124.81	5.76	98	1.251	95.97	5.84	104	1.876	123.51	5.80
140	0.499	136.21	5.03	999	0.822A	54.34	2.02				

DIVIDE SLOPES MARKED 'A' BY 10. DIVIDE THOSE MARKED 'B' BY 100.

TABLE XXVI
SIMPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING WEIGHT AS REPORTED BY SUBJECTS NO. 140

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.929	3.26	1.66	3	7.418	42.78	5.95	4	8.082	46.50	6.02
5	5.720	45.61	5.96	6	4.621	49.52	6.78	7	0.663	-50.58	5.98
8	0.662	-50.85	5.98	9	0.728	-44.44	5.96	10	0.749	-41.87	5.90
11	0.775	-45.41	5.90	12	0.657	-20.84	6.32	13	0.824	-25.74	6.16
14	0.732	-11.29	6.42	15	0.797	-9.00	6.33	16	0.825	-10.93	6.31
17	0.691	6.66	6.64	18	1.290	2.74	6.50	19	0.798	-2.56	6.43
22	1.035	-30.33	6.35	23	1.126	-39.49	6.24	24	1.093	-23.67	6.36
25	1.386	-23.49	6.17	26	1.625	18.92	6.61	28	1.496	-4.51	6.63
29	1.487	-14.05	5.90	30	1.894	-51.88	5.17	31	2.026	-5.92	6.39
32	2.037	9.26	6.62	33	0.806	-2.86	6.47	34	0.625	4.50	6.51
35	0.414	-25.59	6.25	36	2.437	-25.35	5.91	37	1.139	-57.48	4.17
38	1.136	-38.81	4.46	39	0.983	-31.31	4.50	40	1.139	-27.76	4.57
41	1.051	-13.74	4.30	42	0.763	-8.45	4.56	43	1.114	-47.42	3.59
44	1.028	-41.05	3.66	45	1.379	-19.61	4.22	46	2.525	-34.77	4.35
47	2.304	-21.77	4.99	48	2.253	-20.23	5.02	49	3.197	-10.52	5.89
50	0.819	-69.58	4.47	51	0.810	-64.66	4.84	52	1.037	-46.80	3.43
53	2.385	-31.58	4.68	54	2.353	-7.67	4.62	55	2.424	-5.19	4.55
56	2.416	-7.84	4.51	57	2.320	-2.64	4.52	58	2.345	-5.34	4.52
59	2.254	-3.91	5.96	60	4.072	-38.70	4.49	61	3.553	-31.84	4.74
62	6.387	-38.67	5.57	63	2.184	-21.39	6.23	64	2.415	-44.23	4.52
65	2.587	-15.53	5.21	66	2.686	7.12	5.86	67	2.772	-9.99	4.78
68	2.434	-28.22	4.75	69	1.910	-16.05	4.67	70	12.570	-20.21	6.06
71	12.915	-21.90	6.04	72	7.780	-6.25	6.27	73	8.442	-11.82	6.16
74	2.700	-6.94	4.94	75	3.072	4.63	5.03	76	2.587	2.85	4.65
77	3.086	-8.39	4.60	78	3.988	7.30	5.17	80	2.155	1.95	5.92
81	1.186	-20.46	5.48	82	1.550	2.56	6.11	83	1.229	-3.81	5.94
84	1.394	-1.86	5.79	86	1.667	0.92	6.40	88	2.301	10.03	6.47
89	1.734	-35.56	5.85	90	1.253	-42.82	5.86	91	2.952	2.63	6.61
92	7.583	-0.39	6.55	93	3.782	-12.38	6.31	94	3.313	-22.85	6.14
95	5.456	8.51	6.65	98	1.769	-40.16	6.59	107	2.514	3.62	6.77
115	5.690	-16.45	6.60	116	4.432	-0.28	6.71	117	4.425	11.82	6.74
125	0.458	43.20	6.70	139	0.675	-54.21	5.85	999	0.166	1.27	0.65

EQUATIONS FOR ESTIMATING WEIGHT IN POUNDS FROM LINEAR VALUES IN INCHES NO. 999

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
3	46.195	92.67	13.31	4	49.064	102.44	13.69	5	34.969	100.13	13.49
6	29.504	108.76	15.46	7	3.737	-111.21	14.04	8	3.729	-111.65	14.03
9	4.126	-98.83	13.95	10	4.246	-93.14	13.83	11	4.392	-100.97	13.82
12	3.694	-44.79	14.75	13	4.650	-56.30	14.40	14	4.105	-23.26	14.97
15	4.540	-20.49	14.73	16	4.733	-25.91	14.66	17	3.888	16.00	15.44
18	7.232	7.75	15.14	19	4.501	-4.74	14.97	22	5.851	-66.86	14.80
23	6.399	-88.37	14.54	24	6.169	-51.73	14.83	25	7.882	-52.69	14.39
26	9.382	40.97	15.30	28	8.381	-8.16	15.41	29	8.630	-34.82	13.68
30	11.102	-123.73	11.94	31	11.433	-12.28	14.89	32	11.575	20.71	15.37
33	4.702	-9.95	14.95	34	3.646	6.94	15.04	35	2.387	-59.94	14.51
36	14.623	-67.02	13.49	37	6.847	-143.40	9.13	38	6.817	-98.83	9.88
39	5.905	-81.31	9.97	40	6.840	-72.87	10.16	41	6.342	-40.51	9.39
42	4.594	-27.62	10.09	43	6.724	-120.60	7.51	44	6.201	-105.31	7.71
45	8.391	-55.98	8.99	46	15.238	-90.50	9.51	47	14.110	-62.39	10.93
48	13.800	-58.70	11.02	49	19.325	-33.14	13.38	50	4.828	-166.25	10.23
51	4.736	-152.53	11.21	52	6.255	-118.97	7.09	53	14.291	-81.44	10.46
54	14.287	-27.05	10.10	55	14.745	-21.40	9.89	56	14.654	-27.30	9.83
57	14.107	-15.24	9.81	58	14.234	-21.44	9.85	59	13.522	-16.33	13.60
60	24.687	-100.89	9.78	61	21.605	-85.15	10.39	62	38.227	-97.90	12.67
63	12.724	-52.27	14.41	64	14.533	-112.30	10.00	65	15.423	-42.70	11.83
66	15.953	10.89	13.44	67	16.707	-31.42	10.63	68	14.646	-74.35	10.58
69	11.536	-46.16	10.32	70	73.908	-51.19	13.98	71	76.044	-55.37	13.92
72	45.465	-18.00	14.49	73	49.523	-31.42	14.22	74	16.223	-23.73	11.08
75	18.556	2.98	11.22	76	15.730	-2.09	10.14	77	18.944	-30.49	9.84
78	24.010	9.72	11.62	80	12.764	-0.83	13.60	81	7.028	-53.18	12.54
82	9.220	0.03	14.02	83	7.085	-10.49	13.82	84	8.368	-11.56	13.19
86	9.880	-3.33	14.74	88	13.344	20.29	14.98	89	9.960	-81.79	13.64
90	7.186	-97.87	13.67	91	16.826	5.50	15.32	92	45.126	-6.93	15.07
93	22.988	-38.50	14.41	94	19.053	-53.26	14.27	95	33.231	11.27	15.25
98	10.453	-98.51	15.18	107	15.105	1.27	15.57	115	33.027	-40.31	15.26
116	26.091	-5.22	15.49	117	25.960	23.17	15.56	125	2.666	95.91	15.47
139	3.819	-120.21	13.74	140	5.704	-0.48	3.83				

SECTION XII

MULTIPLE CORRELATION AND REGRESSION

The principles involved in the development and use of the regression equations and correlation coefficients which we have already presented easily extend to cover the case where the 'predictor variable' is a linear combination of two or more variables.

If, for example, an equation to estimate each woman's bust circumference in terms of her stature and weight is desired, we may derive a regression equation of the form:

$$Z_i' = aX_i + bY_i + c$$

where X_i represents an individual woman's stature, Y_i represents her weight, and a, b, and c are parameters determined so that the resulting estimates Z_i' are, as a group, the most accurate estimates of bust circumference which can be obtained from a linear combination of stature and weight. Just as the simple correlation coefficient was defined in terms of the relative accuracy of the simple regression equation, so the multiple correlation (R)* of bust circumference in terms of stature and weight is defined in terms of the accuracy of the estimates obtained from this equation relative to the standard deviation of the bust circumference. The absolute accuracy of these estimates is usually expressed, as in the case of the simple regression equation, as the standard error of estimate.

The multiple correlations, whether based on two or a considerably larger number of predictor variables, are calculated directly from the simple correlation coefficients without additional recourse to the original data. The multiple regression equations are computed from the simple correlation coefficients plus the means and standard deviations. Ordinarily no sign is attached to the multiple correlation coefficient; thus, the theoretical range of values for R is from zero to one. The multiple correlation coefficient is of necessity at least as large as the largest of the simple correlations between the individual predictors and the predicted variable, although the difference often is trivial.

Appropriate formulas are given and discussed in appendix III. A table (table XLVIII) is given there for estimating multiple correlations based on two predictors from the appropriate simple correlation coefficients.

The number of multiple regression equations and correlation coefficients that can be calculated for a set of data such as the present one—roughly a million two-predictor equations, forty million three-predictor equations, and so forth—is so great as to preclude listing more than a select few. These few consist of a group of equations based on selected pairs of predictors (table XXVII) and two sets of equations in which the predictors (up to eight in each case) were chosen in a step-wise fashion as the best sets of predictors for the particular variable (tables XXVIII and XXIX).

Two Predictor Multiple Regression Equations: Table XXVII

This table consists of several sets of equations and coefficients based on two-variable predictor combinations. Equations for all measured variables are presented for a number of combinations of 'major' measurements such as stature and weight, stature and bust circumference, and the like. Equations for all head and face measurements in terms of certain combinations of head and face measurements are also given.

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*Conventionally *r* represents a simple correlation, *R* a multiple one. In computer-produced tables, it is not always possible to maintain this distinction.

In this table, the contents of lines, excepting those involving weight, are similar to the following (line 40, page 459):

```
41 WAIST CIRCUMFERNCE  .800   0.C73X +  0.745Y -  11.48/  3.29 ( -4.52/ 1.29)
```

and contain, in sequence,

I. the Visual Index number of the variable being estimated: 41.

II. the name of the variable: waist circumference.

III. the multiple correlation for this variable in terms of the two variables listed at the top of this section of the table, stature and bust circumference: 0.800.

IV. the regression equation in metric units:
$$0.073X + 0.745Y - 11.48$$

V. the standard error in metric units: 3.29

VI. two values in parentheses which can be used to translate the equation into English units: (−4.52/1.29). The first of these values is the English constant term; the second is the converted standard error.

The regression equation in this instance is expressed in metric units; thus:
Waist circumference = 0.073 stature + 0.745 bust circumference − 11.48 cm.
The standard error of estimate for this equation is 3.29 cm.

The conversion of these equations from metric to English units requires only a change of the constant term when the three variables involved are linear, as in this case. Thus, the equation just written out may also be written as:
Waist circumference = 0.073 stature + 0.745 bust circumference − 4.52 in.
The standard error of estimate is 1.29 in.

The conversion is a trifle more involved when weight is one of the variables and the equations are presented somewhat differently when that is the case.

When weight is one of the predictor variables, both the coefficient of weight and the constant term must be converted; the converted values are given in parenthesis. Thus, for example, line 39 on page 456 reads:

```
41 WAIST CIRCUMFERNCE  .846   -0.204X+  0.688Y+ 60.60/ 2.92 (+ 0.123Y+ 23.84)
```

and provides the equivalent equations:

Waist Circumference = −0.204 stature + 0.688 weight + 60.60 (cm & kg)

and

Waist Circumference = −0.204 stature + 0.123 weight + 23.84 (in & lb)

The standard error is given in the table as 2.92 cm. There is not space in the table as it is organized to also list the standard error in inches but it can be obtained by multiplying the metric one by 0.3937.

When weight is the predicted variable, all three constants must be modified to convert from metric to English units. In this case, the entire converted equation is included in parentheses on the following line of the table. Thus, lines 2 and 3, page 459, read:

```
2 WEIGHT                .868   0.439X +  0.935Y -  97.39/  3.73
 (WEIGHT IN LB/IN              2.456X +  5.234Y - 214.51/  8.22)
```

and can be interpreted either as:

Weight (kg) = 0.439 stature (cm) + 0.935 bust circumference (cm) −97.39

or:

Weight (lb) = 2.456 stature (in) + 5.234 bust circumference (in) −214.51

TABLE XXVII

MULTIPLE CORRELATION COEFFICIENTS AND REGRESSION EQUATIONS BASED ON STATURE AND WEIGHT

	MULT CORR	EQUATIONS A	B	C	S.E. EST.	ENGLISH UNITS B	C
1 AGE	.238	-0.106X+	0.237Y+	26.94/	6.27	(+ 0.042Y+	10.65)
3 TRICEPS SKINFOLD	.662	-0.031X+	0.056Y+	3.70/	0.41	(+ 0.010Y+	1.46)
4 SUBSCAPULAR SKINFD	.663	-0.033X+	0.051Y+	3.69/	0.36	(+ 0.009Y+	1.47)
5 SUPRAILIAC SKINFLD	.634	-0.035X+	0.069Y+	3.67/	0.54	(+ 0.012Y+	1.48)
6 MEDIAL CALF SKINFD	.417	-0.021X+	0.034Y+	3.04/	0.47	(+ 0.006Y+	1.21)
8 STATURE, MAXIMUM	.998	1.000X+	0.002Y+	0.53/	0.38	(+ 0. Y+	0.25)
9 CERVICALE HEIGHT	.977	0.884X+	0.021Y-	5.31/	1.17	(+ 0.004Y-	2.12)
10 ACROMIAL HEIGHT	.960	0.847X+	0.042Y-	7.86/	1.53	(+ 0.008Y-	3.16)
11 SUPRASTERNALE HGHT	.974	0.836X+	0.034Y-	5.48/	1.21	(+ 0.006Y-	2.15)
12 BUST POINT HEIGHT	.928	0.828X-	0.035Y-	13.88/	1.95	(- 0.006Y-	5.50)
13 WAIST HEIGHT	.914	0.679X+	0.008Y-	10.25/	1.83	(+ 0.001Y-	3.98)
14 ABDOMINAL EXT HGT	.899	0.686X-	0.038Y-	15.86/	1.94	(- 0.007Y-	6.22)
15 TROCHANTERIC HGHT	.852	0.602X+	0.005Y-	15.20/	2.23	(+ 0.001Y-	6.00)
16 BUTTOCK HEIGHT	.848	0.579X+	0.013Y-	12.39/	2.21	(+ 0.002Y-	4.84)
17 GLUTEAL FURROW HGT	.830	0.581X-	0.054Y-	18.37/	2.21	(- 0.010Y-	7.19)
18 TIBIALE HEIGHT	.787	0.315X-	0.005Y-	8.79/	1.47	(- 0.001Y-	3.45)
19 CROTCH HEIGHT	.849	0.581X-	0.016Y-	18.75/	2.13	(- 0.003Y-	7.37)
20 ANKLE HEIGHT	.306	0.070X-	0.001Y-	0.10/	1.29	(- 0. Y-	0.06)
21 LAT'L MALLEOLUS HT	.426	0.040X+	0.002Y+	0.17/	0.53	(+ 0. Y+	0.11)
22 SITTING HT,RELAXED	.783	0.410X+	0.021Y+	16.60/	2.02	(+ 0.004Y+	6.51)
23 SITTING HEIGHT	.803	0.401X+	0.032Y+	18.75/	1.89	(+ 0.006Y+	7.35)
24 EYE HEIGHT,SITTING	.740	0.355X+	0.031Y+	14.37/	2.06	(+ 0.006Y+	5.60)
25 MIDSHOULDER HT,SIT	.729	0.279X+	0.057Y+	9.48/	1.82	(+ 0.010Y+	3.76)
26 WAIST HGHT,SITTING	.452	0.080X+	0.055Y+	7.23/	1.55	(+ 0.010Y+	2.82)
27 ELBOW REST HEIGHT	.213	0.068X+	0.024Y+	10.30/	2.41	(+ 0.004Y+	4.09)
28 POPLITEAL HEIGHT	.728	0.229X-	0.006Y+	4.27/	1.28	(- 0.001Y+	1.67)
29 BUTTOCK-POPLIT'L L	.702	0.226X+	0.111Y+	4.67/	1.97	(+ 0.020Y+	1.82)
30 BUTTOCK-KNEE LNGTH	.839	0.244X+	0.139Y+	9.86/	1.43	(+ 0.025Y+	3.86)
31 ACROMION-RADIALE L	.728	0.185X+	0.017Y+	0.04/	1.12	(+ 0.003Y+	0.02)
32 RADIALE-STYLION L	.666	0.148X+	0.005Y-	0.89/	1.02	(+ 0.001Y-	0.37)
33 THUMB-TIP REACH	.655	0.375X+	0.064Y+	9.65/	2.93	(+ 0.011Y+	3.85)
34 THUMB-TIP,EXTENDED	.622	0.439X+	0.087Y+	7.65/	3.82	(+ 0.016Y+	2.95)
35 OVERHEAD REACH	.853	1.181X+	0.050Y+	4.90/	4.47	(+ 0.009Y+	1.92)
36 NECK CIRCUMFERENCE	.582	0.003X+	0.128Y+	25.88/	1.36	(+ 0.023Y+	10.17)
37 SHOULDER CIRCUMFER	.845	-0.133X+	0.628Y+	85.76/	2.75	(+ 0.112Y+	33.78)
38 CHEST CIRC AT SCYE	.819	-0.157X+	0.597Y+	75.27/	2.85	(+ 0.107Y+	29.59)
39 BUST CIRCUMFERENCE	.824	-0.224X+	0.702Y+	85.56/	3.23	(+ 0.125Y+	33.73)
40 CHEST C BELOW BUST	.806	-0.150X+	0.576Y+	65.43/	2.88	(+ 0.103Y+	25.74)
41 WAIST CIRCUMFERNCE	.846	-0.204X+	0.688Y+	60.60/	2.92	(+ 0.123Y+	23.84)
42 ABDOMINAL EXT CIRC	.821	-0.301X+	0.897Y+	82.71/	4.15	(+ 0.160Y+	32.59)
43 HIP C-7"BLW WAIST	.903	-0.156X+	0.729Y+	76.89/	2.40	(+ 0.130Y+	30.29)
44 HIP C-9"BLW WAIST	.895	-0.156X+	0.775Y+	75.87/	2.68	(+ 0.138Y+	29.92)
45 UPPER THIGH CIRCUM	.867	-0.178X+	0.548Y+	52.73/	2.10	(+ 0.098Y+	20.74)

TABLE XXVII

MULTIPLE CORRELATION COEFFICIENTS AND REGRESSION EQUATIONS BASED ON STATURE AND WEIGHT

	MULT CORR	EQUATIONS A	B	C	S.E. EST.	ENGLISH UNITS B	C
46 KNEE CIRCUMFERENCE	.822	-0.026X+	0.258Y+	25.64/	1.29	(+ 0.046Y+	10.10)
47 CALF CIRCUM, RIGHT	.763	-0.055X+	0.248Y+	28.76/	1.45	(+ 0.044Y+	11.36)
48 CALF CIRCUM, LEFT	.756	-0.052X+	0.249Y+	28.30/	1.49	(+ 0.044Y+	11.20)
49 ANKLE CIRCUMFERNCE	.593	0.012X+	0.096Y+	13.60/	1.04	(+ 0.017Y+	5.37)
50 VERTICAL TRUNK CIR	.822	0.319X+	0.584Y+	69.04/	3.92	(+ 0.104Y+	27.22)
51 VERTICAL TRK C,SIT	.811	0.436X+	0.457Y+	53.04/	3.84	(+ 0.082Y+	20.83)
52 BUTTOCK CIRC, SIT	.912	-0.143X+	0.793Y+	77.45/	2.50	(+ 0.142Y+	30.44)
53 SCYE CIRCUMFERENCE	.778	-0.026X+	0.247Y+	27.07/	1.44	(+ 0.044Y+	10.67)
54 AXILLARY ARM CIRC	.850	-0.140X+	0.307Y+	32.43/	1.23	(+ 0.055Y+	12.75)
55 BICEPS C,RELAXED,R	.871	-0.153X+	0.310Y+	32.54/	1.13	(+ 0.055Y+	12.86)
56 BICEPS C,FLEXED, R	.865	-0.143X+	0.309Y+	32.16/	1.16	(+ 0.055Y+	12.68)
57 BICEPS C,RELAXED,L	.878	-0.164X+	0.328Y+	33.33/	1.15	(+ 0.059Y+	13.07)
58 BICEPS C,FLEXED, L	.867	-0.151X+	0.319Y+	32.62/	1.19	(+ 0.057Y+	12.84)
59 ELBOW CIRC, FLEXED	.586	0.044X+	0.117Y+	13.10/	1.44	(+ 0.021Y+	5.14)
60 FOREARM C, RELAXED	.820	-0.039X+	0.165Y+	20.28/	0.79	(+ 0.029Y+	8.04)
61 FOREARM C, FLEXED	.790	-0.038X+	0.174Y+	21.10/	0.93	(+ 0.031Y+	8.32)
62 WRIST CIRCUMFERNCE	.658	0.018X+	0.053Y+	8.99/	0.54	(+ 0.010Y+	3.47)
63 BIACROMIAL BREADTH	.545	0.073X+	0.077Y+	19.57/	1.37	(+ 0.014Y+	7.67)
64 BIDELTOID BREADTH	.811	-0.066X+	0.274Y+	36.77/	1.35	(+ 0.049Y+	14.47)
65 CHEST BREADTH	.710	-0.042X+	0.197Y+	23.44/	1.35	(+ 0.035Y+	9.25)
66 BUST PT-BUST PT BR	.598	-0.036X+	0.136Y+	16.53/	1.24	(+ 0.024Y+	6.54)
67 WAIST BREADTH	.773	-0.036X+	0.213Y+	17.68/	1.23	(+ 0.038Y+	6.97)
68 HIP BREADTH	.774	-0.032X+	0.241Y+	26.26/	1.40	(+ 0.043Y+	10.34)
69 THIGH-THIGH BR,SIT	.811	-0.118X+	0.348Y+	37.25/	1.67	(+ 0.062Y+	14.68)
70 HUMERAL BREADTH, R	.588	0.014X+	0.016Y+	2.94/	0.25	(+ 0.003Y+	1.14)
71 HUMERAL BREADTH, L	.594	0.014X+	0.016Y+	2.91/	0.24	(+ 0.003Y+	1.13)
72 FEMORAL BREADTH, R	.496	0.008X+	0.026Y+	5.32/	0.39	(+ 0.005Y+	2.05)
73 FEMORAL BREADTH, L	.522	0.007X+	0.027Y+	5.45/	0.37	(+ 0.005Y+	2.12)
74 CHEST DEPTH	.770	-0.076X+	0.224Y+	23.05/	1.23	(+ 0.040Y+	9.07)
75 WAIST DEPTH	.773	-0.078X+	0.197Y+	18.30/	1.06	(+ 0.035Y+	7.23)
76 ABDOMINAL EXT DPTH	.830	-0.105X+	0.268Y+	22.46/	1.18	(+ 0.048Y+	8.82)
77 BUTTOCK DEPTH	.836	-0.079X+	0.225Y+	20.98/	0.98	(+ 0.040Y+	8.28)
78 THIGH CLEARANCE	.716	0.015X+	0.113Y+	3.49/	0.87	(+ 0.020Y+	1.40)
79 SHOULDER LENGTH	.377	0.052X+	0.015Y+	5.37/	0.95	(+ 0.003Y+	2.07)
80 NECK-BUST POINT L	.574	-0.018X+	0.151Y+	19.71/	1.55	(+ 0.027Y+	7.75)
81 STRAP LENGTH	.655	-0.023X+	0.352Y+	48.65/	2.96	(+ 0.063Y+	19.14)
82 INTERSCYE	.546	-0.055X+	0.197Y+	32.61/	2.04	(+ 0.035Y+	12.86)
83 INTERSCYE, MAXIMUM	.557	0.044X+	0.223Y+	29.40/	2.73	(+ 0.040Y+	11.55)
84 BACK CURVATURE	.615	-0.062X+	0.273Y+	36.45/	2.41	(+ 0.049Y+	14.32)
85 WAIST BACK	.586	0.220X-	0.006Y+	5.19/	1.80	(- 0.001Y+	2.04)
86 ANTERIOR WAIST LTH	.523	0.097X+	0.078Y+	13.36/	1.67	(+ 0.014Y+	5.25)
87 SLEEVE INSEAM	.715	0.311X-	0.040Y-	3.98/	1.69	(- 0.007Y-	1.59)
88 SPINE-TO-SCYE LGTH	.431	0.010X+	0.074Y+	14.48/	1.22	(+ 0.013Y+	5.73)
89 SPINE-TO-ELBOW LTH	.722	0.211X+	0.093Y+	13.75/	1.66	(+ 0.017Y+	5.36)
90 SPINE-TO-WRIST LTH	.782	0.352X+	0.100Y+	16.76/	2.07	(+ 0.018Y+	6.58)

TABLE XXVII

MULTIPLE CORRELATION COEFFICIENTS AND REGRESSION EQUATIONS BASED ON STATURE AND WEIGHT

	MULT CORR	EQUATIONS A	B	C	S.E. EST.	ENGLISH UNITS B	C
91 HAND LENGTH	.606	0.089X+	0.011Y+	3.32/	0.76	(+ 0.002Y+	1.30)
92 HAND BREADTH	.457	0.014X+	0.016Y+	4.36/	0.35	(+ 0.003Y+	1.70)
93 HAND CIRCUMFERENCE	.509	0.021X+	0.051Y+	11.97/	0.78	(+ 0.009Y+	4.73)
94 FOOT LENGTH	.712	0.110X+	0.030Y+	4.51/	0.79	(+ 0.005Y+	1.82)
95 FOOT BREADTH	.429	0.017X+	0.019Y+	5.02/	0.45	(+ 0.003Y+	2.02)
96 HEAD LENGTH	.356	0.025X+	0.017Y+	13.38/	0.63	(+ 0.003Y+	5.27)
97 HEAD BREADTH	.290	-0.003X+	0.024Y+	13.62/	0.57	(+ 0.004Y+	5.40)
98 HEAD CIRCUMFERENCE	.426	0.044X+	0.068Y+	43.81/	1.47	(+ 0.012Y+	17.27)
99 TRAGION-TOP HEAD	.267	0.022X+	0.013Y+	8.41/	0.74	(+ 0.002Y+	3.35)
100 ECTOCANTHUS-TOP HD	.241	0.031X+	0.007Y+	6.34/	0.89	(+ 0.001Y+	2.53)
101 PRONASALE-TOP HEAD	.241	0.044X+	0.004Y+	7.40/	1.14	(+ 0.001Y+	2.88)
102 SUBNASALE-TOP HEAD	.289	0.048X+	0.006Y+	7.79/	1.05	(+ 0.001Y+	3.07)
103 STOMION-TOP HEAD	.296	0.051X+	0.006Y+	9.21/	1.07	(+ 0.001Y+	3.64)
104 MENTON-TOP HEAD	.372	0.057X+	0.017Y+	11.69/	1.06	(+ 0.003Y+	4.61)
105 TRAGION TO WALL	.220	0.014X+	0.018Y+	6.87/	0.88	(+ 0.003Y+	2.73)
106 ECTOCANTHUS-WALL	.308	0.019X+	0.029Y+	11.61/	0.92	(+ 0.005Y+	4.59)
107 PRONASALE TO WALL	.363	0.021X+	0.035Y+	15.77/	0.90	(+ 0.006Y+	6.24)
108 SUBNASALE TO WALL	.320	0.015X+	0.034Y+	15.27/	0.93	(+ 0.006Y+	6.02)
109 LIP PROTRUSION-WALL	.271	0.005X+	0.036Y+	16.41/	1.02	(+ 0.006Y+	6.52)
110 MENTON TO WALL	.310	-0.014X+	0.052Y+	17.50/	1.08	(+ 0.009Y+	6.93)
111 SAGITTAL CURVATURE	.298	0.053X+	0.024Y+	24.81/	1.42	(+ 0.004Y+	9.80)
112 BITRAGION-CORONAL	.318	0.027X+	0.045Y+	26.95/	1.33	(+ 0.008Y+	10.62)
113 BIOCULAR BREADTH	.247	0.008X+	0.012Y+	7.68/	0.48	(+ 0.002Y+	3.04)
114 BIAURICULAR BRDTH	.220	0.008X+	0.024Y+	13.15/	0.93	(+ 0.004Y+	5.21)
115 BITRAGION BREADTH	.393	0.002X+	0.025Y+	11.12/	0.46	(+ 0.004Y+	4.44)
116 BIZYGOMATIC BRDTH	.358	0.001X+	0.027Y+	11.18/	0.54	(+ 0.005Y+	4.38)
117 BIGONIAL BREADTH	.350	-0.006X+	0.028Y+	9.54/	0.53	(+ 0.005Y+	3.76)
118 NASAL BREADTH	.103	-0.002X+	0.005Y+	3.23/	0.33	(+ 0.001Y+	1.26)
119 LIP LENGTH	.085	0.002X+	0.004Y+	3.82/	0.42	(+ 0.001Y+	1.47)
120 MENTON-SUBNASALE L	.226	0.008X+	0.011Y+	3.61/	0.50	(+ 0.002Y+	1.42)
121 MENTON-SELLION LTH	.304	0.018X+	0.014Y+	6.90/	0.58	(+ 0.002Y+	2.78)
122 SUBNASALE-SELLION	.198	0.009X+	0.005Y+	2.80/	0.40	(+ 0.001Y+	1.09)
123 EAR LENGTH	.282	0.003X+	0.015Y+	3.89/	0.43	(+ 0.003Y+	1.49)
124 EAR BREADTH	.144	0.002X+	0.005Y+	2.37/	0.33	(+ 0.001Y+	0.92)

TABLE XXVII

MULTIPLE CORRELATION COEFFICIENTS AND REGRESSION EQUATIONS BASED ON STATURE AND BUST CIRCUMFERENCE

	MULT CORR	EQUATIONS A	B	C	STD ERR EST	ENGLISH UNITS C	S.E.
1 AGE	.289	-0.030X +	0.333Y -	1.59/	6.18	(-0.63/	2.43)
2 WEIGHT	.868	0.439X +	0.935Y -	97.39/	3.73		
(WEIGHT IN LB/IN		2.456X +	5.234Y -	214.51/	8.22)		
3 TRICEPS SKINFOLD	.529	-0.006X +	0.052Y -	1.79/	0.46	(-0.70/	0.18)
4 SUBSCAPULAR SKINFD	.648	-0.013X +	0.057Y -	1.72/	0.37	(-0.68/	0.15)
5 SUPRAILIAC SKINFLD	.603	-0.007X +	0.076Y -	3.71/	0.56	(-1.46/	0.22)
6 MEDIAL CALF SKINFD	.266	-0.005X +	0.025Y +	0.16/	0.50	(0.06/	0.20)
8 STATURE, MAXIMUM	.998	1.001X +	0.001Y +	0.39/	0.38	(0.15/	0.15)
9 CERVICALE HEIGHT	.977	0.895X +	0.013Y -	7.05/	1.17	(-2.78/	0.46)
10 ACROMIAL HEIGHT	.960	0.864X +	0.046Y -	12.32/	1.53	(-4.85/	0.60)
11 SUPRASTERNALE HGHT	.973	0.852X +	0.029Y -	8.71/	1.22	(-3.43/	0.48)
12 BUST POINT HEIGHT	.928	0.818X -	0.054Y -	9.44/	1.94	(-3.72/	0.76)
13 WAIST HEIGHT	.914	0.684X +	0.003Y -	10.87/	1.83	(-4.28/	0.72)
14 ABDOMINAL EXT HGT	.898	0.671X -	0.042Y -	11.85/	1.94	(-4.67/	0.76)
15 TROCHANTERIC HGHT	.852	0.607X -	0.006Y -	15.19/	2.23	(-5.98/	0.88)
16 BUTTOCK HEIGHT	.848	0.584X +	0.016Y -	13.89/	2.21	(-5.47/	0.87)
17 GLUTEAL FURROW HGT	.827	0.553X -	0.037Y -	13.62/	2.23	(-5.36/	0.88)
18 TIBIALE HEIGHT	.787	0.312X -	0.002Y -	8.41/	1.47	(-3.31/	0.58)
19 CROTCH HEIGHT	.850	0.575X -	0.021Y -	16.82/	2.13	(-6.62/	0.84)
20 ANKLE HEIGHT	.307	0.067X +	0.007Y -	0.30/	1.29	(-0.12/	0.51)
21 LAT'L MALLEOLUS HT	.426	0.041X +	0.002Y -	0.05/	0.53	(-0.02/	0.21)
22 SITTING HT,RELAXED	.783	0.420X +	0.015Y +	14.85/	2.02	(5.85/	0.80)
23 SITTING HEIGHT	.801	0.418X +	0.020Y +	16.05/	1.90	(6.32/	0.75)
24 EYE HEIGHT,SITTING	.738	0.370X +	0.022Y +	11.75/	2.06	(4.63/	0.81)
25 MIDSHOULDER HT,SIT	.723	0.305X +	0.049Y +	4.16/	1.84	(1.64/	0.72)
26 WAIST HGHT,SITTING	.435	0.104X +	0.050Y +	2.02/	1.56	(0.80/	0.61)
27 ELBOW REST HEIGHT	.205	0.081X +	0.010Y +	8.68/	2.41	(3.42/	0.95)
28 POPLITEAL HEIGHT	.728	0.227X -	0.005Y +	4.70/	1.28	(1.85/	0.50)
29 BUTTOCK-POPLIT'L L	.678	0.278X +	0.092Y -	5.61/	2.03	(-2.21/	0.80)
30 BUTTOCK-KNEE LNGTH	.804	0.310X +	0.113Y -	2.96/	1.57	(-1.17/	0.62)
31 ACROMION-RADIALE L	.730	0.190X +	0.025Y -	2.04/	1.11	(-0.80/	0.44)
32 RADIALE-STYLION L	.666	0.151X +	0.003Y -	1.36/	1.02	(-0.54/	0.40)
33 THUMB-TIP REACH	.653	0.401X +	0.067Y +	3.12/	2.94	(1.23/	1.16)
34 THUMB-TIP,EXTENDED	.618	0.478X +	0.077Y -	0.56/	3.84	(-0.22/	1.51)
35 OVERHEAD REACH	.852	1.205X +	0.038Y +	0.48/	4.48	(0.19/	1.76)
36 NECK CIRCUMFERENCE	.541	0.057X +	0.133Y +	12.58/	1.41	(4.95/	0.56)
37 SHOULDER CIRCUMFER	.820	0.115X +	0.699Y +	19.05/	2.94	(7.50/	1.16)
38 CHEST CIRC AT SCYE	.891	0.056X +	0.758Y +	7.16/	2.25	(2.82/	0.89)
40 CHEST C BELOW BUST	.836	0.065X +	0.693Y +	1.61/	2.67	(0.63/	1.05)
41 WAIST CIRCUMFERNCE	.800	0.073X +	0.745Y -	11.48/	3.29	(-4.52/	1.29)
42 ABDOMINAL EXT CIRC	.739	0.073X +	0.921Y -	8.83/	4.91	(-3.47/	1.93)
43 HIP C-7''BLW WAIST	.743	0.169X +	0.662Y +	6.84/	3.74	(2.69/	1.47)
44 HIP C-9''BLW WAIST	.702	0.201X +	0.657Y +	3.74/	4.29	(1.47/	1.69)
45 UPPER THIGH CIRCUM	.650	0.076X +	0.454Y +	2.42/	3.21	(0.95/	1.26)

TABLE XXVII

MULTIPLE CORRELATION COEFFICIENTS AND REGRESSION EQUATIONS BASED ON STATURE AND BUST CIRCUMFERENCE

	MULT CORR	EQUATIONS A	B	C	STD ERR EST	ENGLISH UNITS C	S.E.
46 KNEE CIRCUMFERENCE	.612	0.098X +	0.195Y +	2.92/	1.79	(1.15/	0.71)
47 CALF CIRCUM, RIGHT	.520	0.068X +	0.174Y +	7.51/	1.92	(2.96/	0.76)
48 CALF CIRCUM, LEFT	.511	0.072X +	0.171Y +	7.22/	1.96	(2.84/	0.77)
49 ANKLE CIRCUMFERNCE	.438	0.061X +	0.060Y +	5.81/	1.16	(2.29/	0.46)
50 VERTICAL TRUNK CIR	.783	0.562X +	0.599Y +	9.58/	4.27	(3.77/	1.68)
51 VERTICAL TRK C,SIT	.793	0.622X +	0.487Y +	5.54/	4.00	(2.18/	1.57)
52 BUTTOCK CIRC, SIT	.747	0.213X +	0.711Y +	1.67/	4.05	(0.66/	1.59)
53 SCYE CIRCUMFERENCE	.739	0.074X +	0.267Y +	1.15/	1.54	(0.45/	0.61)
54 AXILLARY ARM CIRC	.777	-0.015X +	0.323Y +	0.89/	1.47	(0.35/	0.58)
55 BICEPS C,RELAXED,R	.731	-0.019X +	0.298Y +	1.95/	1.56	(0.77/	0.62)
56 BICEPS C,FLEXED, R	.718	-0.009X +	0.294Y +	1.87/	1.61	(0.74/	0.63)
57 BICEPS C,RELAXED,L	.729	-0.022X +	0.313Y +	1.14/	1.65	(0.45/	0.65)
58 BICEPS C,FLEXED, L	.728	-0.013X +	0.307Y +	1.10/	1.63	(0.43/	0.64)
59 ELBOW CIRC, FLEXED	.546	0.094X +	0.116Y +	1.33/	1.49	(0.52/	0.59)
60 FOREARM C, RELAXED	.676	0.034X +	0.150Y +	4.51/	1.02	(1.77/	0.40)
61 FOREARM C, FLEXED	.653	0.039X +	0.159Y +	4.39/	1.15	(1.73/	0.45)
62 WRIST CIRCUMFERNCE	.592	0.042X +	0.049Y +	3.76/	0.57	(1.48/	0.23)
63 BIACROMIAL BREADTH	.526	0.106X +	0.078Y +	11.66/	1.39	(4.59/	0.55)
64 BIDELTOID BREADTH	.766	0.044X +	0.296Y +	8.18/	1.49	(3.22/	0.59)
65 CHEST BREADTH	.740	0.031X +	0.238Y +	1.61/	1.29	(0.64/	0.51)
66 BUST PT-BUST PT BR	.720	0.007X +	0.193Y +	0.08/	1.07	(0.03/	0.42)
67 WAIST BREADTH	.723	0.051X +	0.226Y -	4.42/	1.34	(-1.74/	0.53)
68 HIP BREADTH	.591	0.082X +	0.192Y +	4.45/	1.79	(1.75/	0.70)
69 THIGH-THIGH BR,SIT	.607	0.044X +	0.289Y +	5.13/	2.27	(2.02/	0.90)
70 HUMERAL BREADTH, R	.557	0.021X +	0.015Y +	1.38/	0.25	(0.54/	0.10)
71 HUMERAL BREADTH, L	.555	0.021X +	0.014Y +	1.44/	0.25	(0.57/	0.10)
72 FEMORAL BREADTH, R	.426	0.020X +	0.021Y +	2.99/	0.41	(1.18/	0.16)
73 FEMORAL BREADTH, L	.443	0.020X +	0.022Y +	2.92/	0.39	(1.15/	0.15)
74 CHEST DEPTH	.880	0. X +	0.298Y -	3.10/	0.92	(-1.22/	0.36)
75 WAIST DEPTH	.723	0.002X +	0.211Y -	2.24/	1.16	(-0.88/	0.45)
76 ABDOMINAL EXT DPTH	.734	0.007X +	0.271Y -	4.56/	1.44	(-1.80/	0.57)
77 BUTTOCK DEPTH	.664	0.022X +	0.201Y -	0.45/	1.34	(-0.18/	0.53)
78 THIGH CLEARANCE	.583	0.068X +	0.089Y -	6.57/	1.02	(-2.59/	0.40)
79 SHOULDER LENGTH	.370	0.060X +	0.010Y +	4.04/	0.95	(1.59/	0.37)
80 NECK-BUST POINT L	.650	0.034X +	0.204Y +	1.68/	1.44	(0.66/	0.57)
81 STRAP LENGTH	.715	0.101X +	0.454Y +	8.11/	2.74	(3.19/	1.08)
82 INTERSCYE	.576	0.018X +	0.241Y +	10.52/	2.00	(4.14/	0.79)
83 INTERSCYE, MAXIMUM	.550	0.131X +	0.252Y +	5.54/	2.75	(2.18/	1.08)
84 BACK CURVATURE	.630	0.041X +	0.324Y +	6.43/	2.37	(2.53/	0.93)
85 WAIST BACK	.587	0.220X -	0.015Y +	6.19/	1.79	(2.44/	0.71)
86 ANTERIOR WAIST LTH	.541	0.124X +	0.103Y +	4.24/	1.65	(1.67/	0.65)
87 SLEEVE INSEAM	.716	0.297X -	0.050Y +	0.47/	1.69	(0.18/	0.66)
88 SPINE-TO-SCYE LGTH	.450	0.037X +	0.090Y +	6.29/	1.21	(2.48/	0.48)
89 SPINE-TO-ELBOW LTH	.718	0.248X +	0.101Y +	4.05/	1.68	(1.60/	0.66)
90 SPINE-TO-WRIST LTH	.778	0.393X +	0.105Y +	6.46/	2.09	(2.54/	0.82)

TABLE XXVII

MULTIPLE CORRELATION COEFFICIENTS AND REGRESSION EQUATIONS BASED ON STATURE AND BUST CIRCUMFERENCE

	MULT CORR	EQUATIONS A	EQUATIONS B	EQUATIONS C	STD ERR EST	ENGLISH UNITS C	ENGLISH UNITS S.E.
91 HAND LENGTH	.602	0.094X +	0.007Y +	2.52/	0.77	(0.99/	0.30)
92 HAND BREADTH	.427	0.021X +	0.014Y +	2.89/	0.35	(1.14/	0.14)
93 HAND CIRCUMFERENCE	.462	0.044X +	0.047Y +	6.97/	0.80	(2.74/	0.32)
94 FOOT LENGTH	.699	0.125X +	0.021Y +	1.92/	0.81	(0.76/	0.32)
95 FOOT BREADTH	.375	0.027X +	0.011Y +	3.50/	0.46	(1.38/	0.18)
96 HEAD LENGTH	.342	0.032X +	0.016Y +	11.79/	0.64	(4.64/	0.25)
97 HEAD BREADTH	.266	0.007X +	0.025Y +	11.14/	0.57	(4.38/	0.23)
98 HEAD CIRCUMFERENCE	.384	0.075X +	0.057Y +	37.59/	1.50	(14.80/	0.59)
99 TRAGION-TOP HEAD	.258	0.028X +	0.011Y +	7.20/	0.74	(2.83/	0.29)
100 ECTOCANTHUS-TOP HD	.237	0.035X +	0.004Y +	5.73/	0.89	(2.26/	0.35)
101 PRONASALE-TOP HEAD	.240	0.047X +	0. Y +	7.14/	1.14	(2.81/	0.45)
102 SUBNASALE-TOP HEAD	.287	0.052X +	0.002Y +	7.30/	1.05	(2.88/	0.41)
103 STOMION-TOP HEAD	.294	0.055X +	0.001Y +	8.82/	1.07	(3.47/	0.42)
104 MENTON-TOP HEAD	.362	0.066X +	0.009Y +	10.40/	1.06	(4.09/	0.42)
105 TRAGION TO WALL	.216	0.022X +	0.020Y +	4.81/	0.88	(1.89/	0.35)
106 ECTOCANTHUS-WALL	.287	0.032X +	0.027Y +	8.76/	0.93	(3.45/	0.37)
107 PRONASALE TO WALL	.343	0.036X +	0.035Y +	12.21/	0.90	(4.81/	0.36)
108 SUBNASALE TO WALL	.294	0.030X +	0.033Y +	11.84/	0.94	(4.66/	0.37)
109 LIP PROTRUS'N-WALL	.242	0.020X +	0.034Y +	13.01/	1.03	(5.12/	0.40)
110 MENTON TO WALL	.289	0.007X +	0.055Y +	12.16/	1.09	(4.79/	0.43)
111 SAGITTAL CURVATURE	.291	0.064X +	0.023Y +	22.35/	1.42	(8.80/	0.56)
112 BITRAGION-CORONAL	.289	0.047X +	0.040Y +	22.71/	1.34	(8.94/	0.53)
113 BIOCULAR BREADTH	.220	0.013X +	0.010Y +	6.67/	0.48	(2.63/	0.19)
114 BIAURICULAR BRDTH	.196	0.019X +	0.021Y +	10.87/	0.93	(4.28/	0.37)
115 BITRAGION BREADTH	.345	0.013X +	0.024Y +	8.63/	0.47	(3.40/	0.18)
116 BIZYGOMATIC BRDTH	.304	0.013X +	0.024Y +	8.64/	0.55	(3.40/	0.22)
117 BIGONIAL BREADTH	.313	0.006X +	0.028Y +	6.70/	0.53	(2.64/	0.21)
118 NASAL BREADTH	.069	0.001X +	0.004Y +	2.67/	0.33	(1.05/	0.13)
119 LIP LENGTH	.078	0.003X +	0.004Y +	3.53/	0.42	(1.39/	0.17)
120 MENTON-SUBNASALE L	.200	0.014X +	0.008Y +	2.55/	0.50	(1.01/	0.20)
121 MENTON-SELLION LTH	.289	0.024X +	0.012Y +	5.66/	0.59	(2.23/	0.23)
122 SUBNASALE-SELLION	.198	0.011X +	0.006Y +	2.23/	0.40	(0.88/	0.16)
123 EAR LENGTH	.288	0.008X +	0.018Y +	2.32/	0.43	(0.92/	0.17)
124 EAR BREADTH	.135	0.004X +	0.005Y +	1.88/	0.33	(0.74/	0.13)

TABLE XXVII

MULTIPLE CORRELATION COEFFICIENTS AND REGRESSION EQUATIONS BASED ON STATURE AND WAIST CIRCUMFERENCE

	MULT CORR	EQUATIONS A	B	C	STD ERR EST	ENGLISH UNITS C	S.E.
1 AGE	.235	-0.020X +	0.282Y +	7.72/	6.27	(3.04/	2.47)
2 WEIGHT	.883	0.411X +	1.006Y -	76.57/	3.53		
(WEIGHT IN LB/IN		2.301X +	5.631Y -	168.71/	7.79)		
3 TRICEPS SKINFOLD	.548	-0.008X +	0.056Y -	0.56/	0.46	(-0.22/	0.18)
4 SUBSCAPULAR SKINFD	.671	-0.015X +	0.062Y -	0.45/	0.36	(-0.18/	0.14)
5 SUPRAILIAC SKINFLD	.646	-0.010X +	0.085Y -	2.12/	0.54	(-0.83/	0.21)
6 MEDIAL CALF SKINFD	.297	-0.006X +	0.029Y +	0.62/	0.49	(0.24/	0.19)
8 STATURE, MAXIMUM	.998	1.001X -	0.001Y +	0.55/	0.38	(0.22/	0.15)
9 CERVICALE HEIGHT	.977	0.893X +	0.022Y -	7.04/	1.17	(-2.77/	0.46)
10 ACROMIAL HEIGHT	.960	0.862X +	0.050Y -	11.23/	1.53	(-4.42/	0.60)
11 SUPRASTERNALE HGHT	.973	0.852X +	0.028Y -	7.99/	1.22	(-3.15/	0.48)
12 BUST POINT HEIGHT	.928	0.816X -	0.044Y -	11.00/	1.95	(-4.33/	0.77)
13 WAIST HEIGHT	.914	0.688X -	0.015Y -	10.24/	1.83	(-4.03/	0.72)
14 ABDOMINAL EXT HGT	.899	0.674X -	0.050Y -	12.75/	1.94	(-5.02/	0.76)
15 TROCHANTERIC HGHT	.852	0.602X +	0.015Y -	15.92/	2.23	(-6.27/	0.88)
16 BUTTOCK HEIGHT	.848	0.580X +	0.032Y -	13.96/	2.20	(-5.50/	0.87)
17 GLUTEAL FURROW HGT	.826	0.553X -	0.032Y -	14.79/	2.23	(-5.82/	0.88)
18 TIBIALE HEIGHT	.787	0.313X -	0.007Y -	8.29/	1.47	(-3.26/	0.58)
19 CROTCH HEIGHT	.849	0.573X -	0.013Y -	17.51/	2.13	(-6.89/	0.84)
20 ANKLE HEIGHT	.308	0.067X +	0.009Y -	0.28/	1.29	(-0.11/	0.51)
21 LAT'L MALLEOLUS HT	.426	0.042X +	0. Y -	0.03/	0.53	(-0.01/	0.21)
22 SITTING HT,RELAXED	.782	0.425X -	0.004Y +	15.65/	2.02	(6.16/	0.80)
23 SITTING HEIGHT	.801	0.420X +	0.008Y +	16.98/	1.90	(6.68/	0.75)
24 EYE HEIGHT,SITTING	.737	0.376X -	0.001Y +	12.82/	2.07	(5.05/	0.81)
25 MIDSHOULDER HT,SIT	.723	0.304X +	0.051Y +	5.29/	1.84	(2.08/	0.72)
26 WAIST HGHT,SITTING	.414	0.109X +	0.030Y +	3.68/	1.58	(1.45/	0.62)
27 ELBOW REST HEIGHT	.204	0.082X +	0.004Y +	9.14/	2.41	(3.60/	0.95)
28 POPLITEAL HEIGHT	.728	0.227X -	0.006Y +	4.65/	1.28	(1.83/	0.50)
29 BUTTOCK-POPLIT'L L	.688	0.271X +	0.113Y -	3.81/	2.00	(-1.50/	0.79)
30 BUTTOCK-KNEE LNGTH	.815	0.303X +	0.135Y -	0.76/	1.53	(-0.30/	0.60)
31 ACROMION-RADIALE L	.729	0.190X +	0.025Y -	1.47/	1.11	(-0.58/	0.44)
32 RADIALE-STYLION L	.666	0.150X +	0.007Y -	1.40/	1.02	(-0.55/	0.40)
33 THUMB-TIP REACH	.657	0.395X +	0.086Y +	4.32/	2.92	(1.70/	1.15)
34 THUMB-TIP,EXTENDED	.621	0.472X +	0.099Y +	0.67/	3.82	(0.26/	1.51)
35 OVERHEAD REACH	.353	1.201X +	0.054Y +	0.91/	4.47	(0.36/	1.76)
36 NECK CIRCUMFERENCE	.566	0.051X +	0.149Y +	15.47/	1.38	(6.09/	0.54)
37 SHOULDER CIRCUMFER	.785	0.109X +	0.694Y +	36.10/	3.19	(14.21/	1.25)
38 CHEST CIRC AT SCYE	.792	0.065X +	0.695Y +	27.01/	3.03	(10.63/	1.19)
39 BUST CIRCUMFERENCE	.797	0.036X +	0.818Y +	28.92/	3.45	(11.39/	1.36)
40 CHEST C BELOW BUST	.795	0.059X +	0.686Y +	18.66/	2.95	(7.35/	1.16)
42 ABDOMINAL EXT CIRC	.810	0.026X +	1.069Y +	9.59/	4.26	(3.78/	1.68)
43 HIP C-7"BLW WAIST	.812	0.133X +	0.775Y +	19.99/	3.26	(7.87/	1.28)
44 HIP C-9"BLW WAIST	.741	0.173X +	0.741Y +	17.43/	4.04	(6.86/	1.59)
45 UPPER THIGH CIRCUM	.688	0.058X +	0.509Y +	11.87/	3.06	(4.67/	1.21)

TABLE XXVII

MULTIPLE CORRELATION COEFFICIENTS AND REGRESSION EQUATIONS BASED ON STATURE AND WAIST CIRCUMFERENCE

	MULT CORR	A	B	C	STD ERR EST	ENGLISH UNITS C	S.E.
46 KNEE CIRCUMFERENCE	.644	0.069X +	0.222Y +	6.96/	1.73 (	2.74/	0.68)
47 CALF CIRCUM, RIGHT	.550	0.060X +	0.198Y +	11.11/	1.88 (	4.37/	0.74)
48 CALF CIRCUM, LEFT	.543	0.064X +	0.196Y +	10.69/	1.92 (	4.21/	0.75)
49 ANKLE CIRCUMFERNCE	.457	0.058X +	0.071Y +	6.91/	1.15 (	2.72/	0.45)
50 VERTICAL TRUNK CIR	.762	0.560X +	0.581Y +	24.60/	4.45 (	9.69/	1.75)
51 VERTICAL TRK C,SIT	.777	0.622X +	0.470Y +	17.65/	4.13 (	6.95/	1.63)
52 BUTTOCK CIRC, SIT	.794	0.181X +	0.807Y +	16.42/	3.70 (	6.47/	1.46)
53 SCYE CIRCUMFERENCE	.734	0.068X +	0.277Y +	7.46/	1.55 (	2.94/	0.61)
54 AXILLARY ARM CIRC	.757	-0.020X +	0.329Y +	8.57/	1.53 (	3.37/	0.60)
55 BICEPS C,RELAXED,R	.724	-0.025X +	0.310Y +	8.83/	1.58 (	3.48/	0.62)
56 BICEPS C,FLEXED, R	.715	-0.015X +	0.307Y +	8.59/	1.62 (	3.38/	0.64)
57 BICEPS C,RELAXED,L	.737	-0.030X +	0.332Y +	8.21/	1.63 (	3.23/	0.64)
58 BICEPS C,FLEXED, L	.726	-0.020X +	0.321Y +	8.21/	1.64 (	3.23/	0.65)
59 ELBOW CIRC, FLEXED	.547	0.091X +	0.122Y +	4.03/	1.49 (	1.59/	0.59)
60 FOREARM C, RELAXED	.694	0.029X +	0.163Y +	7.82/	0.99 (	3.08/	0.39)
61 FOREARM C, FLEXED	.666	0.034X +	0.171Y +	7.97/	1.13 (	3.14/	0.45)
62 WRIST CIRCUMFERNCE	.598	0.040X +	0.053Y +	4.92/	0.57 (	1.94/	0.22)
63 BIACROMIAL BREADTH	.528	0.104X +	0.083Y +	13.41/	1.39 (	5.28/	0.55)
64 BIDELTOID BREADTH	.745	0.040X +	0.300Y +	15.23/	1.54 (	6.00/	0.61)
65 CHEST BREADTH	.689	0.030X +	0.230Y +	7.68/	1.39 (	3.02/	0.55)
66 BUST PT-BUST PT BR	.572	0.015X +	0.156Y +	5.62/	1.27 (	2.21/	0.50)
67 WAIST BREADTH	.890	0.029X +	0.305Y -	1.07/	0.88 (	-0.42/	0.35)
68 HIP BREADTH	.629	0.072X +	0.221Y +	8.45/	1.72 (	3.32/	0.68)
69 THIGH-THIGH BR,SIT	.637	0.032X +	0.321Y +	11.43/	2.20 (	4.50/	0.87)
70 HUMERAL BREADTH, R	.541	0.021X +	0.014Y +	1.79/	0.26 (	0.70/	0.10)
71 HUMERAL BREADTH, L	.550	0.021X +	0.014Y +	1.76/	0.25 (	0.69/	0.10)
72 FEMORAL BREADTH, R	.425	0.020X +	0.022Y +	3.40/	0.41 (	1.34/	0.16)
73 FEMORAL BREADTH, L	.445	0.019X +	0.023Y +	3.51/	0.39 (	1.38/	0.15)
74 CHEST DEPTH	.738	0.007X +	0.258Y +	5.17/	1.30 (	2.04/	0.51)
75 WAIST DEPTH	.847	-0.013X +	0.262Y +	1.51/	0.89 (	0.60/	0.35)
76 ABDOMINAL EXT DPTH	.814	-0.007X +	0.317Y +	0.72/	1.23 (	0.28/	0.48)
77 BUTTOCK DEPTH	.708	0.013X +	0.227Y +	3.79/	1.26 (	1.49/	0.50)
78 THIGH CLEARANCE	.593	0.065X +	0.097Y -	4.62/	1.01 (	-1.82/	0.40)
79 SHOULDER LENGTH	.370	0.059X +	0.012Y +	4.29/	0.95 (	1.69/	0.37)
80 NECK-BUST POINT L	.551	0.039X +	0.173Y +	7.55/	1.58 (	2.97/	0.62)
81 STRAP LENGTH	.636	0.108X +	0.408Y +	20.30/	3.03 (	7.99/	1.19)
82 INTERSCYE	.531	0.018X +	0.230Y +	16.68/	2.07 (	6.57/	0.81)
83 INTERSCYE, MAXIMUM	.534	0.129X +	0.251Y +	11.61/	2.78 (	4.57/	1.09)
84 BACK CURVATURE	.599	0.039X +	0.320Y +	14.32/	2.44 (	5.64/	0.96)
85 WAIST BACK	.586	0.214X +	0.008Y +	5.28/	1.80 (	2.08/	0.71)
86 ANTERIOR WAIST LTH	.532	0.123X +	0.101Y +	6.85/	1.66 (	2.70/	0.65)
87 SLEEVE INSEAM	.712	0.294X -	0.036Y -	1.11/	1.70 (	-0.44/	0.67)
88 SPINE-TO-SCYE LGTH	.401	0.038X +	0.079Y +	8.90/	1.24 (	3.50/	0.49)
89 SPINE-TO-ELBOW LTH	.709	0.249X +	0.092Y +	6.77/	1.70 (	2.67/	0.67)
90 SPINE-TO-WRIST LTH	.776	0.353X +	0.104Y +	8.89/	2.10 (	3.50/	0.82)

TABLE XXVII

MULTIPLE CORRELATION COEFFICIENTS AND REGRESSION EQUATIONS BASED ON STATURE AND WAIST CIRCUMFERENCE

	MULT CORR	EQUATIONS A	EQUATIONS B	EQUATIONS C	STD ERR EST	ENGLISH UNITS C	ENGLISH UNITS S.E.
91 HAND LENGTH	.603	0.094X +	0.009Y +	2.54/	0.76 (	1.00/	0.30)
92 HAND BREADTH	.417	0.021X +	0.013Y +	3.28/	0.35 (	1.29/	0.14)
93 HAND CIRCUMFERENCE	.458	0.043X +	0.048Y +	8.12/	0.81 (	3.20/	0.32)
94 FOOT LENGTH	.704	0.123X +	0.028Y +	2.25/	0.80 (	0.89/	0.32)
95 FOOT BREADTH	.393	0.025X +	0.016Y +	3.74/	0.46 (	1.47/	0.18)
96 HEAD LENGTH	.325	0.034X +	0.008Y +	12.36/	0.64 (	4.87/	0.25)
97 HEAD BREADTH	.275	0.007X +	0.027Y +	11.57/	0.57 (	4.55/	0.23)
98 HEAD CIRCUMFERENCE	.385	0.074X +	0.061Y +	38.77/	1.50 (	15.26/	0.59)
99 TRAGION-TOP HEAD	.256	0.028X +	0.011Y +	7.45/	0.74 (	2.93/	0.29)
100 ECTOCANTHUS-TOP HD	.236	0.036X +	0.002Y +	5.79/	0.89 (	2.28/	0.35)
101 PRONASALE-TOP HEAD	.243	0.049X -	0.008Y +	7.36/	1.14 (	2.90/	0.45)
102 SUBNASALE-TOP HEAD	.287	0.053X -	0.003Y +	7.52/	1.05 (	2.96/	0.41)
103 STOMION-TOP HEAD	.295	0.056X -	0.004Y +	9.02/	1.07 (	3.55/	0.42)
104 MENTON-TOP HEAD	.361	0.066X +	0.008Y +	10.67/	1.06 (	4.20/	0.42)
105 TRAGION TO WALL	.206	0.022X +	0.018Y +	5.40/	0.88 (	2.12/	0.35)
106 ECTOCANTHUS-WALL	.282	0.032X +	0.027Y +	9.36/	0.93 (	3.69/	0.37)
107 PRONASALE TO WALL	.324	0.037X +	0.030Y +	13.17/	0.91 (	5.19/	0.36)
108 SUBNASALE TO WALL	.287	0.029X +	0.032Y +	12.81/	0.94 (	5.04/	0.37)
109 LIP PROTRUSION-WALL	.238	0.020X +	0.035Y +	13.71/	1.03 (	5.40/	0.40)
110 MENTON TO WALL	.282	0.006X +	0.056Y +	13.50/	1.09 (	5.31/	0.43)
111 SAGITTAL CURVATURE	.284	0.065X +	0.015Y +	23.24/	1.43 (	9.15/	0.56)
112 BITRAGION-CORONAL	.293	0.046X +	0.044Y +	23.51/	1.34 (	9.26/	0.53)
113 BIOCULAR BREADTH	.224	0.013X +	0.011Y +	6.83/	0.48 (	2.69/	0.19)
114 BIAURICULAR BRDTH	.218	0.017X +	0.028Y +	11.20/	0.93 (	4.41/	0.36)
115 BITRAGION BREADTH	.378	0.012X +	0.029Y +	9.00/	0.46 (	3.54/	0.18)
116 BIZYGOMATIC BRDTH	.332	0.012X +	0.029Y +	9.00/	0.55 (	3.55/	0.21)
117 BIGONIAL BREADTH	.309	0.006X +	0.029Y +	7.26/	0.53 (	2.86/	0.21)
118 NASAL BREADTH	.101	0. X +	0.006Y +	2.79/	0.33 (	1.10/	0.13)
119 LIP LENGTH	.070	0.004X +	0.003Y +	3.53/	0.42 (	1.39/	0.17)
120 MENTON-SUBNASALE L	.203	0.013X +	0.009Y +	2.83/	0.50 (	1.11/	0.20)
121 MENTON-SELLION LTH	.286	0.024X +	0.012Y +	5.93/	0.59 (	2.34/	0.23)
122 SUBNASALE-SELLION	.190	0.011X +	0.005Y +	2.43/	0.40 (	0.96/	0.16)
123 EAR LENGTH	.272	0.008X +	0.018Y +	2.73/	0.43 (	1.07/	0.17)
124 EAR BREADTH	.131	0.004X +	0.005Y +	2.00/	0.33 (	0.79/	0.13)

TABLE XXVII

MULTIPLE CORRELATION COEFFICIENTS AND REGRESSION EQUATIONS BASED ON STATURE AND HIP CIRCUMFERENCE/SEVEN INCHES BELOW WAIST LEVEL

	MULT CORR	EQUATIONS A	B	C	STD ERR EST	ENGLISH UNITS C	S.E.
1 AGE	.233	-0.041X +	0.282Y +	3.67/	6.27	(1.44/	2.47)
2 WEIGHT	.921	0.309X +	1.081Y -	93.65/	2.92		
(WEIGHT IN LB/IN		1.733X +	6.055Y -	206.69/	6.45)		
3 TRICEPS SKINFOLD	.633	-0.015X +	0.065Y -	1.75/	0.42	(-0.69/	0.17)
4 SUBSCAPULAR SKINFD	.617	-0.018X +	0.057Y -	1.13/	0.38	(-0.45/	0.15)
5 SUPRAILIAC SKINFLD	.589	-0.014X +	0.078Y -	3.06/	0.57	(-1.21/	0.22)
6 MEDIAL CALF SKINFD	.397	-0.011X +	0.039Y -	0.27/	0.47	(-0.11/	0.19)
8 STATURE, MAXIMUM	.998	1.002X -	0.003Y +	0.60/	0.38	(0.24/	0.15)
9 CERVICALE HEIGHT	.977	0.896X +	0.007Y -	6.70/	1.17	(-2.64/	0.46)
10 ACROMIAL HEIGHT	.959	0.864X +	0.033Y -	11.29/	1.55	(-4.44/	0.61)
11 SUPRASTERNALE HGHT	.973	0.853X +	0.019Y -	8.05/	1.22	(-3.17/	0.48)
12 BUST POINT HEIGHT	.928	0.820X -	0.046Y -	10.30/	1.94	(-4.05/	0.77)
13 WAIST HEIGHT	.914	0.687X -	0.007Y -	10.43/	1.83	(-4.11/	0.72)
14 ABDOMINAL EXT HGT	.900	0.680X -	0.059Y -	11.55/	1.93	(-4.55/	0.76)
15 TROCHANTERIC HGHT	.852	0.610X -	0.015Y -	14.81/	2.23	(-5.83/	0.88)
16 BUTTOCK HEIGHT	.847	0.586X +	0.004Y -	13.15/	2.21	(-5.18/	0.87)
17 GLUTEAL FURROW HGT	.830	0.567X -	0.069Y -	12.75/	2.21	(-5.02/	0.87)
18 TIBIALE HEIGHT	.787	0.317X -	0.017Y -	7.81/	1.46	(-3.08/	0.58)
19 CROTCH HEIGHT	.852	0.588X -	0.054Y -	15.76/	2.11	(-6.20/	0.83)
20 ANKLE HEIGHT	.308	0.072X -	0.009Y +	0.36/	1.29	(0.14/	0.51)
21 LAT'L MALLEOLUS HT	.426	0.042X +	0. Y -	0.03/	0.53	(-0.01/	0.21)
22 SITTING HT,RELAXED	.783	0.416X +	0.025Y +	14.50/	2.02	(5.71/	0.80)
23 SITTING HEIGHT	.803	0.410X +	0.039Y +	15.49/	1.89	(6.10/	0.74)
24 EYE HEIGHT,SITTING	.741	0.362X +	0.041Y +	11.18/	2.06	(4.40/	0.81)
25 MIDSHOULDER HT,SIT	.729	0.294X +	0.069Y +	3.88/	1.82	(1.53/	0.72)
26 WAIST HGHT,SITTING	.451	0.095X +	0.066Y +	1.79/	1.55	(0.70/	0.61)
27 ELBOW REST HEIGHT	.218	0.071X +	0.037Y +	7.73/	2.40	(3.04/	0.95)
28 POPLITEAL HEIGHT	.730	0.232X -	0.019Y +	5.22/	1.27	(2.05/	0.50)
29 BUTTOCK-POPLIT'L L	.705	0.254X +	0.140Y -	6.57/	1.96	(-2.59/	0.77)
30 BUTTOCK-KNEE LNGTH	.835	0.283X +	0.164Y -	3.80/	1.45	(-1.50/	0.57)
31 ACROMION-RADIALE L	.726	0.192X +	0.013Y -	1.34/	1.12	(-0.53/	0.44)
32 RADIALE-STYLION L	.666	0.150X +	0.005Y -	1.40/	1.02	(-0.55/	0.40)
33 THUMB-TIP REACH	.649	0.401X +	0.048Y +	4.63/	2.95	(1.82/	1.16)
34 THUMB-TIP,EXTENDED	.618	0.469X +	0.083Y +	0.03/	3.83	(0.01/	1.51)
35 OVERHEAD REACH	.852	1.208X +	0.021Y +	1.44/	4.48	(0.57/	1.76)
36 NECK CIRCUMFERENCE	.520	0.045X +	0.132Y +	14.09/	1.43	(5.55/	0.56)
37 SHOULDER CIRCUMFER	.747	0.068X +	0.658Y +	27.78/	3.41	(10.94/	1.34)
38 CHEST CIRC AT SCYE	.724	0.033X +	0.630Y +	19.91/	3.42	(7.84/	1.35)
39 BUST CIRCUMFERENCE	.722	0. X +	0.737Y +	20.72/	3.95	(8.16/	1.55)
40 CHEST C BELOW BUST	.707	0.035X +	0.602Y +	12.28/	3.44	(4.84/	1.36)
41 WAIST CIRCUMFERNCE	.800	-0.005X +	0.786Y -	5.58/	3.29	(-2.20/	1.29)
42 ABDOMINAL EXT CIRC	.829	-0.067X +	1.104Y -	6.87/	4.07	(-2.70/	1.60)
44 HIP C-9''BLW WAIST	.939	0.031X +	0.999Y -	3.30/	2.06	(-1.30/	0.81)
45 UPPER THIGH CIRCUM	.866	-0.033X +	0.666Y -	1.54/	2.11	(-0.61/	0.83)

TABLE XXVII

MULTIPLE CORRELATION COEFFICIENTS AND REGRESSION EQUATIONS BASED ON STATURE AND HIP CIRCUMFERENCE/SEVEN INCHES BELOW WAIST LEVEL

	MULT CORR	EQUATIONS A	EQUATIONS B	EQUATIONS C	STD ERR EST	ENGLISH UNITS C	ENGLISH UNITS S.E.
46 KNEE CIRCUMFERENCE	.764	0.051X +	0.286Y +	1.25/	1.46	(0.49/	0.58)
47 CALF CIRCUM, RIGHT	.675	0.024X +	0.261Y +	5.81/	1.66	(2.29/	0.65)
48 CALF CIRCUM, LEFT	.674	0.027X +	0.264Y +	5.13/	1.69	(2.02/	0.66)
49 ANKLE CIRCUMFERNCE	.528	0.044X +	0.097Y +	4.87/	1.09	(1.92/	0.43)
50 VERTICAL TRUNK CIR	.802	0.486X +	0.671Y +	12.81/	4.11	(5.04/	1.62)
51 VERTICAL TRK C,SIT	.802	0.564X +	0.536Y +	8.45/	3.92	(3.33/	1.54)
52 BUTTOCK CIRC, SIT	.934	0.057X +	0.995Y −	2.41/	2.17	(-0.95/	0.86)
53 SCYE CIRCUMFERENCE	.700	0.052X +	0.262Y +	4.14/	1.63	(1.63/	0.64)
54 AXILLARY ARM CIRC	.762	-0.046X +	0.333Y +	3.71/	1.52	(1.46/	0.60)
55 BICEPS C,RELAXED,R	.776	-0.057X +	0.335Y +	3.48/	1.45	(1.37/	0.57)
56 BICEPS C,FLEXED, R	.764	-0.047X +	0.331Y +	3.42/	1.49	(1.35/	0.59)
57 BICEPS C,RELAXED,L	.784	-0.063X +	0.356Y +	2.54/	1.49	(1.00/	0.59)
58 BICEPS C,FLEXED, L	.772	-0.052X +	0.345Y +	2.66/	1.51	(1.05/	0.60)
59 ELBOW CIRC, FLEXED	.535	0.084X +	0.117Y +	2.40/	1.51	(0.95/	0.59)
60 FOREARM C, RELAXED	.712	0.015X +	0.169Y +	5.22/	0.97	(2.06/	-0.38)
61 FOREARM C, FLEXED	.683	0.019X +	0.178Y +	5.23/	1.11	(2.06/	0.44)
62 WRIST CIRCUMFERNCE	.584	0.037X +	0.050Y +	4.28/	0.58	(1.69/	0.23)
63 BIACROMIAL BREADTH	.513	0.100X +	0.074Y +	12.70/	1.41	(5.00/	0.55)
64 BIDELTOID BREADTH	.727	0.020X +	0.293Y +	11.20/	1.59	(4.41/	0.63)
65 CHEST BREADTH	.637	0.019X +	0.210Y +	5.25/	1.48	(2.07/	0.58)
66 BUST PT-BUST PT BR	.511	0.009X +	0.138Y +	4.15/	1.33	(1.63/	0.52)
67 WAIST BREADTH	.725	0.027X +	0.240Y −	2.72/	1.33	(-1.07/	0.52)
68 HIP BREADTH	.837	0.022X +	0.323Y +	1.16/	1.21	(0.46/	0.48)
69 THIGH-THIGH BR,SIT	.846	-0.033X +	0.444Y +	1.96/	1.53	(0.77/	0.60)
70 HUMERAL BREADTH, R	.551	0.020X +	0.015Y +	1.49/	0.26	(0.59/	0.10)
71 HUMERAL BREADTH, L	.555	0.020X +	0.015Y +	1.45/	0.25	(0.57/	0.10)
72 FEMORAL BREADTH, R	.451	0.017X +	0.026Y +	2.93/	0.40	(1.15/	0.16)
73 FEMORAL BREADTH, L	.475	0.016X +	0.027Y +	3.02/	0.39	(1.19/	0.15)
74 CHEST DEPTH	.677	-0.005X +	0.236Y +	2.36/	1.42	(0.93/	0.56)
75 WAIST DEPTH	.697	-0.017X +	0.214Y −	0.27/	1.20	(-0.11/	0.47)
76 ABDOMINAL EXT DPTH	.780	-0.027X +	0.305Y −	3.29/	1.33	(-1.30/	0.52)
77 BUTTOCK DEPTH	.822	-0.018X +	0.270Y −	1.21/	1.02	(-0.48/	0.40)
78 THIGH CLEARANCE	.661	0.050X +	0.120Y −	6.91/	0.94	(-2.72/	0.37)
79 SHOULDER LENGTH	.369	0.059X +	0.011Y +	4.07/	0.95	(1.60/	0.37)
80 NECK-BUST POINT L	.512	0.031X +	0.158Y +	5.68/	1.62	(2.23/	0.64)
81 STRAP LENGTH	.590	0.089X +	0.371Y +	16.05/	3.17	(6.32/	1.25)
82 INTERSCYE	.482	0.008X +	0.208Y +	14.28/	2.14	(5.62/	0.84)
83 INTERSCYE, MAXIMUM	.516	0.114X +	0.238Y +	8.63/	2.82	(3.40/	1.11)
84 BACK CURVATURE	.556	0.023X +	0.295Y +	10.79/	2.54	(4.25/	1.00)
85 WAIST BACK	.586	0.219X −	0.010Y +	5.95/	1.80	(2.34/	0.71)
86 ANTERIOR WAIST LTH	.501	0.124X +	0.076Y +	6.36/	1.69	(2.50/	0.67)
87 SLEEVE INSEAM	.716	0.301X −	0.050Y +	0.02/	1.69	(0.01/	0.66)
88 SPINE-TO-SCYE LGTH	.380	0.035X +	0.072Y +	7.95/	1.26	(3.13/	0.49)
89 SPINE-TO-ELBOW LTH	.705	0.243X +	0.088Y +	5.69/	1.71	(2.24/	0.67)
90 SPINE-TO-WRIST LTH	.772	0.389X +	0.092Y +	7.91/	2.11	(3.11/	0.83)

TABLE XXVII

MULTIPLE CORRELATION COEFFICIENTS AND REGRESSION EQUATIONS BASED ON STATURE AND HIP CIRCUMFERENCE/SEVEN INCHES BELOW WAIST LEVEL

		MULT CORR	A		B		C	STD ERR EST	ENGLISH UNITS C	S.E.
91	HAND LENGTH	.602	0.095X	+	0.003Y	+	2.70/	0.77	(1.06/	0.30)
92	HAND BREADTH	.411	0.021X	+	0.012Y	+	3.03/	0.35	(1.19/	0.14)
93	HAND CIRCUMFERENCE	.436	0.041X	+	0.042Y	+	7.74/	0.82	(3.05/	0.32)
94	FOOT LENGTH	.700	0.122X	+	0.024Y	+	2.04/	0.81	(0.81/	0.32)
95	FOOT BREADTH	.399	0.024X	+	0.017Y	+	3.39/	0.46	(1.33/	0.18)
96	HEAD LENGTH	.332	0.032X	+	0.012Y	+	12.10/	0.64	(4.76/	0.25)
97	HEAD BREADTH	.254	0.005X	+	0.024Y	+	11.46/	0.58	(4.51/	0.23)
98	HEAD CIRCUMFERENCE	.382	0.070X	+	0.060Y	+	37.90/	1.50	(14.92/	0.59)
99	TRAGION-TOP HEAD	.254	0.028X	+	0.010Y	+	7.25/	0.74	(2.85/	0.29)
100	ECTOCANTHUS-TOP HD	.236	0.036X	+	0. Y	+	5.93/	0.89	(2.33/	0.35)
101	PRONASALE-TOP HEAD	.242	0.049X	−	0.005Y	+	7.29/	1.14	(2.87/	0.45)
102	SUBNASALE-TOP HEAD	.287	0.053X	−	0.002Y	+	7.51/	1.05	(2.96/	0.41)
103	STOMION-TOP HEAD	.295	0.056X	−	0.004Y	+	9.12/	1.07	(3.59/	0.42)
104	MENTON-TOP HEAD	.361	0.066X	+	0.008Y	+	10.46/	1.06	(4.12/	0.42)
105	TRAGION TO WALL	.208	0.020X	+	0.019Y	+	5.15/	0.88	(2.03/	0.35)
106	ECTOCANTHUS-WALL	.284	0.030X	+	0.028Y	+	8.88/	0.93	(3.50/	0.37)
107	PRONASALE TO WALL	.332	0.034X	+	0.033Y	+	12.59/	0.91	(4.96/	0.36)
108	SUBNASALE TO WALL	.286	0.027X	+	0.032Y	+	12.29/	0.94	(4.84/	0.37)
109	LIP PROTRUSION-WALL	.229	0.018X	+	0.033Y	+	13.29/	1.03	(5.23/	0.41)
110	MENTON TO WALL	.267	0.003X	+	0.053Y	+	12.78/	1.09	(5.03/	0.43)
111	SAGITTAL CURVATURE	.286	0.063X	+	0.018Y	+	22.89/	1.43	(9.01/	0.56)
112	BITRAGION-CORONAL	.279	0.045X	+	0.037Y	+	23.16/	1.35	(9.12/	0.53)
113	BIOCULAR BREADTH	.216	0.013X	+	0.009Y	+	6.72/	0.48	(2.65/	0.19)
114	BIAURICULAR BRDTH	.199	0.016X	+	0.023Y	+	11.09/	0.93	(4.36/	0.37)
115	BITRAGION BREADTH	.350	0.011X	+	0.025Y	+	8.77/	0.47	(3.45/	0.18)
116	BIZYGOMATIC BRDTH	.307	0.011X	+	0.026Y	+	8.68/	0.55	(3.42/	0.22)
117	BIGONIAL BREADTH	.283	0.005X	+	0.026Y	+	6.94/	0.54	(2.73/	0.21)
118	NASAL BREADTH	.053	0.001X	+	0.003Y	+	2.75/	0.33	(1.08/	0.13)
119	LIP LENGTH	.061	0.004X	+	0. Y	+	3.73/	0.42	(1.47/	0.17)
120	MENTON-SUBNASALE L	.200	0.013X	+	0.008Y	+	2.68/	0.50	(1.06/	0.20)
121	MENTON-SELLION LTH	.283	0.024X	+	0.011Y	+	5.71/	0.59	(2.25/	0.23)
122	SUBNASALE-SELLION	.188	0.011X	+	0.004Y	+	2.39/	0.40	(0.94/	0.16)
123	EAR LENGTH	.260	0.008X	+	0.016Y	+	2.44/	0.43	(0.96/	0.17)
124	EAR BREADTH	.127	0.004X	+	0.005Y	+	1.86/	0.33	(0.73/	0.13)

TABLE XXVII

MULTIPLE CORRELATION COEFFICIENTS AND REGRESSION EQUATIONS BASED ON CERVICALE HEIGHT AND WEIGHT

	MULT CORR	EQUATIONS A	B	C	S.E. EST.	ENGLISH UNITS B	C
1 AGE	.241	-0.127X+	0.242Y+	27.15/	6.26	(+ 0.043Y+	10.72)
3 TRICEPS SKINFOLD	.657	-0.032X+	0.056Y+	3.13/	0.41	(+ 0.010Y+	1.23)
4 SUBSCAPULAR SKINFD	.654	-0.034X+	0.050Y+	3.14/	0.37	(+ 0.009Y+	1.23)
5 SUPRAILIAC SKINFLD	.625	-0.034X+	0.068Y+	2.78/	0.55	(+ 0.012Y+	1.11)
6 MEDIAL CALF SKINFD	.414	-0.022X+	0.034Y+	2.70/	0.47	(+ 0.006Y+	1.07)
7 STATURE	.977	1.059X+	0.005Y+	14.41/	1.28	(+ 0.001Y+	5.66)
8 STATURE, MAXIMUM	.979	1.064X+	0.005Y+	14.35/	1.24	(+ 0.001Y+	5.64)
10 ACROMIAL HEIGHT	.965	0.934X+	0.032Y+	0.01/	1.43	(+ 0.006Y+	0.03)
11 SUPRASTERNALE HGHT	.973	0.914X+	0.027Y+	3.22/	1.23	(+ 0.005Y+	1.24)
12 BUST POINT HEIGHT	.929	0.908X-	0.043Y-	5.59/	1.94	(- 0.008Y-	2.16)
13 WAIST HEIGHT	.927	0.758X-	0.004Y-	5.00/	1.69	(- 0.001Y-	1.93)
14 ABDOMINAL EXT HGT	.914	0.767X-	0.051Y-	10.67/	1.80	(- 0.009Y-	4.21)
15 TROCHANTERIC HGHT	.866	0.674X-	0.006Y-	10.80/	2.14	(- 0.001Y-	4.26)
16 BUTTOCK HEIGHT	.866	0.653X+	0. Y-	8.68/	2.08	(+ 0. Y-	3.42)
17 GLUTEAL FURROW HGT	.845	0.650X-	0.065Y-	14.03/	2.12	(- 0.012Y-	5.47)
18 TIBIALE HEIGHT	.816	0.362X-	0.015Y-	7.54/	1.37	(- 0.003Y-	2.93)
19 CROTCH HEIGHT	.878	0.664X-	0.033Y-	16.02/	1.93	(- 0.006Y-	6.29)
20 ANKLE HEIGHT	.328	0.084X-	0.005Y-	0.22/	1.28	(- 0.001Y-	0.07)
21 LAT'L MALLEOLUS HT	.419	0.043X+	0.002Y+	0.67/	0.53	(+ 0. Y+	0.31)
22 SITTING HT,RELAXED	.738	0.408X+	0.033Y+	25.58/	2.20	(+ 0.006Y+	10.06)
23 SITTING HEIGHT	.758	0.400X+	0.044Y+	27.38/	2.07	(+ 0.008Y+	10.76)
24 EYE HEIGHT,SITTING	.704	0.357X+	0.040Y+	21.70/	2.17	(+ 0.007Y+	8.56)
25 MIDSHOULDER HT,SIT	.717	0.296X+	0.058Y+	13.45/	1.85	(+ 0.010Y+	5.34)
26 WAIST HGHT,SITTING	.447	0.084X+	0.056Y+	8.45/	1.55	(+ 0.010Y+	3.33)
27 ELBOW REST HEIGHT	.199	0.062X+	0.028Y+	12.46/	2.41	(+ 0.005Y+	4.91)
28 POPLITEAL HEIGHT	.746	0.260X-	0.011Y+	5.49/	1.24	(- 0.002Y+	2.17)
29 BUTTOCK-POPLIT'L L	.714	0.259X+	0.104Y+	5.66/	1.93	(+ 0.019Y+	2.17)
30 BUTTOCK-KNEE LNGTH	.851	0.279X+	0.133Y+	10.92/	1.39	(+ 0.024Y+	4.27)
31 ACROMION-RADIALE L	.736	0.206X+	0.014Y+	1.52/	1.10	(+ 0.002Y+	0.66)
32 RADIALE-STYLION L	.688	0.170X+	0.001Y-	0.33/	0.99	(+ 0. Y-	0.11)
33 THUMB-TIP REACH	.668	0.425X+	0.055Y+	11.80/	2.89	(+ 0.010Y+	4.62)
34 THUMB-TIP,EXTENDED	.627	0.486X+	0.081Y+	11.51/	3.80	(+ 0.014Y+	4.59)
35 OVERHEAD REACH	.856	1.300X+	0.036Y+	16.20/	4.43	(+ 0.006Y+	6.43)
36 NECK CIRCUMFERENCE	.582	0.001X+	0.130Y+	26.11/	1.36	(+ 0.023Y+	10.31)
37 SHOULDER CIRCUMFER	.847	-0.154X+	0.632Y+	85.40/	2.74	(+ 0.113Y+	33.61)
38 CHEST CIRC AT SCYE	.821	-0.181X+	0.602Y+	74.73/	2.84	(+ 0.108Y+	29.36)
39 BUST CIRCUMFERENCE	.824	-0.247X+	0.704Y+	83.51/	3.23	(+ 0.126Y+	32.84)
40 CHEST C BELOW BUST	.806	-0.168X+	0.578Y+	64.38/	2.88	(+ 0.103Y+	25.37)
41 WAIST CIRCUMFERNCE	.844	-0.214X+	0.686Y+	57.43/	2.94	(+ 0.123Y+	22.55)
42 ABDOMINAL EXT CIRC	.823	-0.342X+	0.905Y+	81.06/	4.13	(+ 0.162Y+	31.87)
43 HIP C-7''BLW WAIST	.905	-0.185X+	0.736Y+	76.95/	2.38	(+ 0.131Y+	30.35)
44 HIP C-9''BLW WAIST	.896	-0.175X+	0.778Y+	74.77/	2.67	(+ 0.139Y+	29.43)
45 UPPER THIGH CIRCUM	.867	-0.195X+	0.549Y+	50.96/	2.10	(+ 0.098Y+	20.07)

TABLE XXVII

MULTIPLE CORRELATION COEFFICIENTS AND REGRESSION EQUATIONS BASED ON CERVICALE HEIGHT AND WEIGHT

	MULT CORR	EQUATIONS A	B	C	S.E. EST.	ENGLISH UNITS B	C
46 KNEE CIRCUMFERENCE	.822	-0.030X+	0.259Y+	25.54/	1.29	(+ 0.046Y+	10.09)
47 CALF CIRCUM, RIGHT	.765	-0.067X+	0.252Y+	28.94/	1.45	(+ 0.045Y+	11.39)
48 CALF CIRCUM, LEFT	.759	-0.065X+	0.253Y+	28.69/	1.49	(+ 0.045Y+	11.32)
49 ANKLE CIRCUMFERNCE	.592	0.009X+	0.098Y+	14.18/	1.04	(+ 0.017Y+	5.65)
50 VERTICAL TRUNK CIR	.818	0.328X+	0.589Y+	74.81/	3.95	(+ 0.105Y+	29.47)
51 VERTICAL TRK C,SIT	.807	0.463X+	0.459Y+	59.15/	3.87	(+ 0.082Y+	23.28)
52 BUTTOCK CIRC, SIT	.912	-0.157X+	0.795Y+	76.01/	2.50	(+ 0.142Y+	29.92)
53 SCYE CIRCUMFERENCE	.778	-0.027X+	0.247Y+	26.61/	1.44	(+ 0.044Y+	10.49)
54 AXILLARY ARM CIRC	.849	-0.153X+	0.308Y+	30.97/	1.24	(+ 0.055Y+	12.20)
55 BICEPS C,RELAXED,R	.871	-0.167X+	0.311Y+	30.92/	1.13	(+ 0.056Y+	12.12)
56 BICEPS C,FLEXED, R	.865	-0.157X+	0.311Y+	30.71/	1.16	(+ 0.055Y+	12.16)
57 BICEPS C,RELAXED,L	.878	-0.180X+	0.330Y+	31.69/	1.15	(+ 0.059Y+	12.47)
58 BICEPS C,FLEXED, L	.866	-0.164X+	0.320Y+	30.91/	1.19	(+ 0.057Y+	12.19)
59 ELBOW CIRC, FLEXED	.586	0.049X+	0.116Y+	13.47/	1.44	(+ 0.021Y+	5.27)
60 FOREARM C, RELAXED	.820	-0.043X+	0.165Y+	19.95/	0.79	(+ 0.029Y+	7.91)
61 FOREARM C, FLEXED	.790	-0.041X+	0.174Y+	20.65/	0.93	(+ 0.031Y+	8.14)
62 WRIST CIRCUMFERNCE	.657	0.018X+	0.054Y+	9.34/	0.54	(+ 0.010Y+	3.63)
63 BIACROMIAL BREADTH	.541	0.077X+	0.077Y+	20.69/	1.38	(+ 0.014Y+	8.11)
64 BIDELTOID BREADTH	.812	-0.076X+	0.276Y+	36.54/	1.35	(+ 0.049Y+	14.42)
65 CHEST BREADTH	.711	-0.050X+	0.199Y+	23.48/	1.35	(+ 0.035Y+	9.31)
66 BUST PT-BUST PT BR	.598	-0.040X+	0.137Y+	16.20/	1.24	(+ 0.024Y+	6.44)
67 WAIST BREADTH	.772	-0.036X+	0.212Y+	16.91/	1.23	(+ 0.038Y+	6.64)
68 HIP BREADTH	.775	-0.038X+	0.242Y+	26.30/	1.40	(+ 0.043Y+	10.38)
69 THIGH-THIGH BR,SIT	.811	-0.129X+	0.349Y+	36.02/	1.67	(+ 0.062Y+	14.22)
70 HUMERAL BREADTH, R	.585	0.015X+	0.016Y+	3.12/	0.25	(+ 0.003Y+	1.21)
71 HUMERAL BREADTH, L	.593	0.015X+	0.016Y+	3.09/	0.24	(+ 0.003Y+	1.20)
72 FEMORAL BREADTH, R	.496	0.009X+	0.026Y+	5.36/	0.39	(+ 0.005Y+	2.07)
73 FEMORAL BREADTH, L	.522	0.008X+	0.027Y+	5.47/	0.37	(+ 0.005Y+	2.13)
74 CHEST DEPTH	.767	-0.078X+	0.222Y+	21.70/	1.24	(+ 0.040Y+	8.50)
75 WAIST DEPTH	.769	-0.080X+	0.196Y+	16.85/	1.07	(+ 0.035Y+	6.63)
76 ABDOMINAL EXT DPTH	.827	-0.110X+	0.267Y+	20.81/	1.19	(+ 0.048Y+	8.15)
77 BUTTOCK DEPTH	.834	-0.085X+	0.225Y+	20.01/	0.99	(+ 0.040Y+	7.90)
78 THIGH CLEARANCE	.717	0.020X+	0.111Y+	3.25/	0.87	(+ 0.020Y+	1.26)
79 SHOULDER LENGTH	.383	0.059X+	0.014Y+	5.64/	0.94	(+ 0.002Y+	2.28)
80 NECK-BUST POINT L	.574	-0.019X+	0.151Y+	19.43/	1.55	(+ 0.027Y+	7.65)
81 STRAP LENGTH	.656	-0.038X+	0.357Y+	49.92/	2.96	(+ 0.064Y+	19.62)
82 INTERSCYE	.547	-0.061X+	0.198Y+	32.13/	2.04	(+ 0.035Y+	12.70)
83 INTERSCYE, MAXIMUM	.558	0.053X+	0.221Y+	29.27/	2.73	(+ 0.039Y+	11.58)
84 BACK CURVATURE	.616	-0.070X+	0.274Y+	36.09/	2.41	(+ 0.049Y+	14.20)
85 WAIST BACK	.610	0.254X-	0.013Y+	5.91/	1.76	(- 0.002Y+	2.28)
86 ANTERIOR WAIST LTH	.511	0.095X+	0.082Y+	15.63/	1.68	(+ 0.015Y+	6.11)
87 SLEEVE INSEAM	.739	0.354X-	0.048Y-	2.38/	1.63	(- 0.009Y-	0.88)
88 SPINE-TO-SCYE LGTH	.431	0.009X+	0.074Y+	14.85/	1.22	(+ 0.013Y+	5.87)
89 SPINE-TO-ELBOW LTH	.720	0.228X+	0.091Y+	16.33/	1.67	(+ 0.016Y+	6.46)
90 SPINE-TO-WRIST LTH	.789	0.392X+	0.094Y+	19.60/	2.04	(+ 0.017Y+	7.69)

TABLE XXVII

MULTIPLE CORRELATION COEFFICIENTS AND REGRESSION EQUATIONS BASED ON CERVICALE HEIGHT AND WEIGHT

	MULT CORR	EQUATIONS A	B	C	S.E. EST.	ENGLISH UNITS B	C
91 HAND LENGTH	.608	0.097X+	0.010Y+	4.30/	0.76	(+ 0.002Y+	1.67)
92 HAND BREADTH	.454	0.015X+	0.016Y+	4.54/	0.35	(+ 0.003Y+	1.77)
93 HAND CIRCUMFERENCE	.508	0.022X+	0.051Y+	12.31/	0.78	(+ 0.009Y+	4.86)
94 FOOT LENGTH	.714	0.122X+	0.028Y+	5.47/	0.79	(+ 0.005Y+	2.15)
95 FOOT BREADTH	.424	0.017X+	0.019Y+	5.41/	0.45	(+ 0.003Y+	2.18)
96 HEAD LENGTH	.344	0.023X+	0.018Y+	14.17/	0.64	(+ 0.003Y+	5.61)
97 HEAD BREADTH	.293	-0.005X+	0.025Y+	13.77/	0.57	(+ 0.004Y+	5.48)
98 HEAD CIRCUMFERENCE	.417	0.038X+	0.072Y+	45.42/	1.48	(+ 0.013Y+	17.87)
99 TRAGION-TOP HEAD	.245	0.017X+	0.016Y+	9.44/	0.74	(+ 0.003Y+	3.70)
100 ECTOCANTHUS-TOP HD	.210	0.025X+	0.011Y+	7.65/	0.90	(+ 0.002Y+	3.01)
101 PRONASALE-TOP HEAD	.204	0.036X+	0.008Y+	9.29/	1.15	(+ 0.001Y+	3.71)
102 SUBNASALE-TOP HEAD	.252	0.041X+	0.011Y+	9.57/	1.06	(+ 0.002Y+	3.76)
103 STOMION-TOP HEAD	.261	0.044X+	0.010Y+	11.12/	1.08	(+ 0.002Y+	4.35)
104 MENTON-TOP HEAD	.338	0.049X+	0.022Y+	13.82/	1.07	(+ 0.004Y+	5.43)
105 TRAGION TO WALL	.224	0.018X+	0.017Y+	6.69/	0.88	(+ 0.003Y+	2.64)
106 ECTOCANTHUS-WALL	.309	0.021X+	0.029Y+	11.77/	0.92	(+ 0.005Y+	4.66)
107 PRONASALE TO WALL	.365	0.025X+	0.034Y+	15.75/	0.89	(+ 0.006Y+	6.21)
108 SUBNASALE TO WALL	.324	0.019X+	0.033Y+	15.11/	0.93	(+ 0.006Y+	5.94)
109 LIP PROTRUSION-WALL	.273	0.010X+	0.034Y+	15.95/	1.02	(+ 0.006Y+	6.29)
110 MENTON TO WALL	.305	-0.008X+	0.049Y+	16.52/	1.08	(+ 0.009Y+	6.47)
111 SAGITTAL CURVATURE	.275	0.044X+	0.029Y+	26.99/	1.43	(+ 0.005Y+	10.65)
112 BITRAGION-CORONAL	.309	0.018X+	0.049Y+	28.59/	1.34	(+ 0.009Y+	11.22)
113 BIOCULAR BREADTH	.251	0.010X+	0.012Y+	7.59/	0.48	(+ 0.002Y+	3.01)
114 BIAURICULAR BRDTH	.217	0.005X+	0.025Y+	13.70/	0.93	(+ 0.005Y+	5.32)
115 BITRAGION BREADTH	.392	0.001X+	0.026Y+	11.25/	0.46	(+ 0.005Y+	4.38)
116 BIZYGOMATIC BRDTH	.358	0.001X+	0.027Y+	11.20/	0.54	(+ 0.005Y+	4.39)
117 BIGONIAL BREADTH	.349	-0.005X+	0.028Y+	9.27/	0.53	(+ 0.005Y+	3.65)
118 NASAL BREADTH	.101	-0.001X+	0.005Y+	3.05/	0.33	(+ 0.001Y+	1.19)
119 LIP LENGTH	.090	0.003X+	0.003Y+	3.79/	0.42	(+ 0.001Y+	1.43)
120 MENTON-SUBNASALE L	.221	0.007X+	0.011Y+	3.93/	0.50	(+ 0.002Y+	1.54)
121 MENTON-SELLION LTH	.295	0.017X+	0.015Y+	7.40/	0.58	(+ 0.003Y+	2.87)
122 SUBNASALE-SELLION	.190	0.008X+	0.006Y+	3.09/	0.40	(+ 0.001Y+	1.22)
123 EAR LENGTH	.281	0.001X+	0.016Y+	4.17/	0.43	(+ 0.003Y+	1.63)
124 EAR BREADTH	.143	0.002X+	0.005Y+	2.41/	0.33	(+ 0.001Y+	0.94)

TABLE XXVII

MULTIPLE CORRELATION COEFFICIENTS AND REGRESSION EQUATIONS BASED ON CERVICALE HEIGHT AND BUST CIRCUMFERENCE

	MULT CORR	EQUATIONS A	B	C	STD ERR EST	ENGLISH UNITS C	S.E.
1 AGE	.289	-0.040X +	0.336Y −	1.15/	6.18	(-0.45/	2.43)
2 WEIGHT	.869	0.483X +	0.930Y −	93.01/	3.71		
(WEIGHT IN LB/IN		2.705X +	5.208Y −	205.08/	8.18)		
3 TRICEPS SKINFOLD	.527	-0.005X +	0.051Y −	1.98/	0.46	(-0.78/	0.18)
4 SUBSCAPULAR SKINFD	.644	-0.013X +	0.057Y −	2.02/	0.37	(-0.79/	0.15)
5 SUPRAILIAC SKINFLD	.602	-0.005X +	0.075Y −	4.06/	0.56	(-1.60/	0.22)
6 MEDIAL CALF SKINFD	.264	-0.004X +	0.025Y −	0.09/	0.50	(-0.04/	0.20)
7 STATURE	.977	1.063X −	0.001Y +	14.23/	1.28	(5.60/	0.50)
8 STATURE, MAXIMUM	.979	1.068X −	0.001Y +	14.18/	1.24	(5.58/	0.49)
10 ACROMIAL HEIGHT	.965	0.947X +	0.039Y −	3.46/	1.43	(-1.36/	0.56)
11 SUPRASTERNALE HGHT	.972	0.928X +	0.023Y +	0.76/	1.24	(0.30/	0.49)
12 BUST POINT HEIGHT	.929	0.892X −	0.060Y −	0.46/	1.93	(-0.18/	0.76)
13 WAIST HEIGHT	.927	0.757X −	0.005Y −	4.64/	1.69	(-1.83/	0.66)
14 ABDOMINAL EXT HGT	.913	0.743X −	0.050Y −	5.78/	1.81	(-2.28/	0.71)
15 TROCHANTERIC HGHT	.866	0.673X −	0.013Y −	9.84/	2.13	(-3.87/	0.84)
16 BUTTOCK HEIGHT	.866	0.651X +	0.008Y −	9.12/	2.08	(-3.59/	0.82)
17 GLUTEAL FURROW HGT	.841	0.614X −	0.043Y −	8.91/	2.14	(-3.51/	0.84)
18 TIBIALE HEIGHT	.815	0.353X −	0.008Y −	6.44/	1.38	(-2.53/	0.54)
19 CROTCH HEIGHT	.877	0.648X −	0.031Y −	12.91/	1.94	(-5.08/	0.76)
20 ANKLE HEIGHT	.328	0.079X +	0.005Y −	0.26/	1.28	(-0.10/	0.50)
21 LAT'L MALLEOLUS HT	.419	0.044X +	0.002Y +	0.47/	0.53	(0.18/	0.21)
22 SITTING HT,RELAXED	.736	0.428X +	0.019Y +	23.00/	2.20	(9.05/	0.87)
23 SITTING HEIGHT	.754	0.426X +	0.024Y +	24.15/	2.08	(9.51/	0.82)
24 EYE HEIGHT,SITTING	.700	0.380X +	0.025Y +	18.57/	2.18	(7.31/	0.86)
25 MIDSHOULDER HT,SIT	.711	0.326X +	0.048Y +	8.31/	1.87	(3.27/	0.74)
26 WAIST HGHT,SITTING	.429	0.111X +	0.050Y +	3.43/	1.57	(1.35/	0.62)
27 ELBOW REST HEIGHT	.188	0.080X +	0.012Y +	10.49/	2.42	(4.13/	0.95)
28 POPLITEAL HEIGHT	.746	0.253X −	0.008Y +	6.55/	1.24	(2.58/	0.49)
29 BUTTOCK-POPLIT'L L	.695	0.313X +	0.087Y −	3.66/	1.98	(-1.44/	0.78)
30 BUTTOCK-KNEE LNGTH	.821	0.347X +	0.108Y −	0.56/	1.51	(-0.22/	0.59)
31 ACROMION-RADIALE L	.738	0.210X +	0.023Y −	0.29/	1.10	(-0.11/	0.43)
32 RADIALE-STYLION L	.688	0.171X +	0. Y −	0.42/	0.99	(-0.16/	0.39)
33 THUMB-TIP REACH	.668	0.448X +	0.061Y +	6.30/	2.89	(2.48/	1.14)
34 THUMB-TIP,EXTENDED	.623	0.526X +	0.072Y +	4.16/	3.82	(1.64/	1.50)
35 OVERHEAD REACH	.856	1.319X +	0.028Y +	13.11/	4.43	(5.16/	1.74)
36 NECK CIRCUMFERENCE	.539	0.060X +	0.133Y +	13.46/	1.41	(5.30/	0.56)
37 SHOULDER CIRCUMFER	.820	0.121X +	0.699Y +	20.85/	2.94	(8.21/	1.16)
38 CHEST CIRC AT SCYE	.891	0.056X +	0.759Y +	8.35/	2.26	(3.29/	0.89)
40 CHEST C BELOW BUST	.836	0.070X +	0.692Y +	2.49/	2.67	(0.98/	1.05)
41 WAIST CIRCUMFERNCE	.801	0.089X +	0.742Y −	11.76/	3.28	(-4.63/	1.29)
42 ABDOMINAL EXT CIRC	.739	0.074X +	0.922Y −	7.38/	4.91	(-2.91/	1.93)
43 HIP C-7"BLW WAIST	.741	0.177X +	0.662Y +	9.60/	3.75	(3.78/	1.48)
44 HIP C-9"BLW WAIST	.702	0.220X +	0.656Y +	5.79/	4.29	(2.28/	1.69)
45 UPPER THIGH CIRCUM	.651	0.086X +	0.453Y +	2.86/	3.20	(1.13/	1.26)

TABLE XXVII
MULTIPLE CORRELATION COEFFICIENTS AND REGRESSION EQUATIONS BASED ON CERVICALE HEIGHT AND BUST CIRCUMFERENCE

	MULT CORR	EQUATIONS A	B	C	STD ERR EST	ENGLISH UNITS C	S.E.
46 KNEE CIRCUMFERENCE	.612	0.108X +	0.194Y +	3.86/	1.79	(1.52/	0.71)
47 CALF CIRCUM, RIGHT	.517	0.070X +	0.175Y +	8.70/	1.92	(3.42/	0.76)
48 CALF CIRCUM, LEFT	.507	0.074X +	0.172Y +	8.50/	1.97	(3.35/	0.77)
49 ANKLE CIRCUMFERNCE	.433	0.065X +	0.060Y +	6.65/	1.16	(2.62/	0.46)
50 VERTICAL TRUNK CIR	.777	0.599X +	0.598Y +	17.39/	4.32	(6.85/	1.70)
51 VERTICAL TRK C,SIT	.788	0.669X +	0.485Y +	13.43/	4.04	(5.29/	1.59)
52 BUTTOCK CIRC, SIT	.748	0.236X +	0.708Y +	3.62/	4.04	(1.43/	1.59)
53 SCYE CIRCUMFERENCE	.740	0.083X +	0.266Y +	1.68/	1.54	(0.66/	0.61)
54 AXILLARY ARM CIRC	.777	-0.014X +	0.322Y +	0.50/	1.47	(0.20/	0.58)
55 BICEPS C,RELAXED,R	.731	-0.019X +	0.298Y +	1.52/	1.57	(0.60/	0.62)
56 BICEPS C,FLEXED, R	.718	-0.008X +	0.293Y +	1.62/	1.61	(0.64/	0.63)
57 BICEPS C,RELAXED,L	.729	-0.022X +	0.313Y +	0.64/	1.65	(0.25/	0.65)
58 BICEPS C,FLEXED, L	.727	-0.012X +	0.307Y +	0.66/	1.63	(0.26/	0.64)
59 ELBOW CIRC, FLEXED	.548	0.103X +	0.115Y +	2.32/	1.49	(0.91/	0.59)
60 FOREARM C, RELAXED	.676	0.038X +	0.150Y +	4.73/	1.02	(1.86/	0.40)
61 FOREARM C, FLEXED	.654	0.044X +	0.158Y +	4.67/	1.15	(1.84/	0.45)
62 WRIST CIRCUMFERNCE	.589	0.045X +	0.049Y +	4.30/	0.57	(1.69/	0.23)
63 BIACROMIAL BREADTH	.521	0.113X +	0.078Y +	13.12/	1.40	(5.16/	0.55)
64 BIDELTOID BREADTH	.766	0.047X +	0.296Y +	8.77/	1.49	(3.45/	0.59)
65 CHEST BREADTH	.740	0.031X +	0.239Y +	2.24/	1.29	(0.88/	0.51)
66 BUST PT-BUST PT BR	.720	0.008X +	0.193Y +	0.10/	1.07	(0.04/	0.42)
67 WAIST BREADTH	.725	0.059X +	0.225Y -	4.27/	1.33	(-1.68/	0.52)
68 HIP BREADTH	.590	0.088X +	0.192Y +	5.49/	1.79	(2.16/	0.70)
69 THIGH-THIGH BR,SIT	.607	0.049X +	0.288Y +	5.53/	2.27	(2.18/	0.89)
70 HUMERAL BREADTH, R	.553	0.023X +	0.015Y +	1.59/	0.26	(0.62/	0.10)
71 HUMERAL BREADTH, L	.554	0.023X +	0.014Y +	1.64/	0.25	(0.65/	0.10)
72 FEMORAL BREADTH, R	.429	0.022X +	0.021Y +	3.17/	0.41	(1.25/	0.16)
73 FEMORAL BREADTH, L	.446	0.022X +	0.022Y +	3.10/	0.39	(1.22/	0.15)
74 CHEST DEPTH	.880	0.005X +	0.297Y -	3.70/	0.92	(-1.46/	0.36)
75 WAIST DEPTH	.723	0.006X +	0.210Y -	2.66/	1.15	(-1.05/	0.45)
76 ABDOMINAL EXT DPTH	.734	0.013X +	0.269Y -	5.06/	1.44	(-1.99/	0.57)
77 BUTTOCK DEPTH	.665	0.026X +	0.200Y -	0.41/	1.34	(-0.16/	0.53)
78 THIGH CLEARANCE	.590	0.078X +	0.088Y -	6.32/	1.01	(-2.49/	0.40)
79 SHOULDER LENGTH	.377	0.067X +	0.009Y +	4.53/	0.95	(1.78/	0.37)
80 NECK-BUST POINT L	.651	0.038X +	0.203Y +	1.99/	1.43	(0.78/	0.56)
81 STRAP LENGTH	.713	0.101X +	0.456Y +	10.25/	2.75	(4.03/	1.08)
82 INTERSCYE	.576	0.019X +	0.241Y +	10.79/	2.00	(4.25/	0.79)
83 INTERSCYE, MAXIMUM	.553	0.147X +	0.250Y +	6.50/	2.74	(2.56/	1.08)
84 BACK CURVATURE	.630	0.044X +	0.323Y +	7.04/	2.37	(2.77/	0.93)
85 WAIST BACK	.611	0.250X -	0.019Y +	7.42/	1.75	(2.92/	0.69)
86 ANTERIOR WAIST LTH	.525	0.127X +	0.104Y +	6.57/	1.66	(2.59/	0.66)
87 SLEEVE INSEAM	.739	0.333X -	0.054Y +	2.62/	1.63	(1.03/	0.64)
88 SPINE-TO-SCYE LGTH	.448	0.039X +	0.091Y +	6.77/	1.21	(2.67/	0.48)
89 SPINE-TO-ELBOW LTH	.716	0.269X +	0.100Y +	6.90/	1.68	(2.72/	0.66)
90 SPINE-TO-WRIST LTH	.786	0.434X +	0.100Y +	10.20/	2.05	(4.02/	0.81)

TABLE XXVII

MULTIPLE CORRELATION COEFFICIENTS AND REGRESSION EQUATIONS BASED ON CERVICALE HEIGHT AND BUST CIRCUMFERENCE

		MULT CORR	EQUATIONS A	B	C	STD ERR EST	ENGLISH UNITS C	S.E.
91	HAND LENGTH	.605	0.103X +	0.CC6Y +	3.51/	0.76	(1.38/	0.30)
92	HAND BREADTH	.423	0.023X +	0.014Y +	3.1C/	0.35	(1.22/	0.14)
93	HAND CIRCUMFERENCE	.460	0.047X +	0.046Y +	7.65/	0.81	(3.01/	0.32)
94	FOOT LENGTH	.703	0.137X +	0.020Y +	3.20/	0.80	(1.26/	0.32)
95	FOOT BREADTH	.366	0.C28X +	0.011Y +	3.98/	0.46	(1.57/	0.18)
96	HEAD LENGTH	.326	0.032X +	0.016Y +	12.52/	0.64	(4.93/	0.25)
97	HEAD BREADTH	.262	0.0C6X +	0.025Y +	11.44/	0.57	(4.50/	0.23)
98	HEAD CIRCUMFERENCE	.367	0.075X +	0.059Y +	39.13/	1.51	(15.41/	0.59)
99	TRAGION-TOP HEAD	.227	0.025X +	0.013Y +	8.08/	0.74	(3.18/	0.29)
100	ECTOCANTHUS-TOP HD	.200	0.031X +	0.0C5Y +	7.00/	0.90	(2.76/	0.35)
101	PRONASALE-TOP HEAD	.200	0.042X +	0.002Y +	8.73/	1.15	(3.44/	0.45)
102	SUBNASALE-TOP HEAD	.245	0.048X +	0.004Y +	8.87/	1.06	(3.49/	0.42)
103	STOMION-TOP HEAD	.254	0.051X +	0.0C3Y +	10.46/	1.08	(4.12/	0.43)
104	MENTON-TOP HEAD	.320	0.062X +	0.011Y +	12.29/	1.08	(4.84/	0.42)
105	TRAGION TO WALL	.223	0.025X +	0.020Y +	4.90/	0.88	(1.93/	0.35)
106	ECTOCANTHUS-WALL	.289	0.035X +	0.027Y +	9.07/	0.93	(3.57/	0.37)
107	PRONASALE TO WALL	.348	0.041X +	0.034Y +	12.43/	0.90	(4.89/	0.35)
108	SUBNASALE TO WALL	.303	0.C35X +	0.032Y +	11.92/	0.94	(4.69/	0.37)
109	LIP PROTRUS'N-WALL	.252	0.026X +	0.033Y +	12.72/	1.02	(5.01/	0.40)
110	MENTON TO WALL	.294	0.013X +	0.C54Y +	11.58/	1.09	(4.56/	0.43)
111	SAGITTAL CURVATURE	.261	0.059X +	0.025Y +	24.33/	1.44	(9.58/	0.57)
112	BITRAGION-CORONAL	.268	0.043X +	0.041Y +	24.26/	1.35	(9.55/	0.53)
113	BIOCULAR BREADTH	.228	0.016X +	0.0C9Y +	6.64/	0.48	(2.61/	0.19)
114	BIAURICULAR BRDTH	.188	0.018X +	0.022Y +	11.35/	0.93	(4.47/	0.37)
115	BITRAGION BREADTH	.341	0.014X +	0.024Y +	8.79/	0.47	(3.46/	0.18)
116	BIZYGOMATIC BRDTH	.305	0.015X +	0.024Y +	8.66/	0.55	(3.41/	0.22)
117	BIGONIAL BREADTH	.315	0.008X +	0.028Y +	6.56/	0.53	(2.58/	0.21)
118	NASAL BREADTH	.071	0.0C2X +	0.0C3Y +	2.65/	0.33	(1.04/	0.13)
119	LIP LENGTH	.086	0.0C5X +	0.003Y +	3.41/	0.42	(1.34/	0.17)
120	MENTON-SUBNASALE L	.190	0.013X +	0.008Y +	3.01/	0.50	(1.19/	0.20)
121	MENTON-SELLION LTH	.278	0.025X +	0.013Y +	5.98/	0.59	(2.36/	0.23)
122	SUBNASALE-SELLION	.188	0.011X +	0.006Y +	2.48/	0.40	(0.98/	0.16)
123	EAR LENGTH	.282	0.008X +	0.019Y +	2.42/	0.43	(0.95/	0.17)
124	EAR BREADTH	.133	0.005X +	0.005Y +	1.84/	0.33	(0.72/	0.13)

TABLE XXVII

MULTIPLE CORRELATION COEFFICIENTS AND REGRESSION EQUATIONS BASED ON CERVICALE HEIGHT AND WAIST CIRCUMFERENCE

	MULT CORR	EQUATIONS A	B	C	STD ERR EST	ENGLISH UNITS C	S.E.
1 AGE	.236	-0.032X +	0.285Y +	8.73/	6.27	(3.44/	2.47)
2 WEIGHT	.882	0.446X +	1.000Y -	71.62/	3.54		
(WEIGHT IN LB/IN		2.495X +	5.598Y -	157.71/	7.81)		
3 TRICEPS SKINFOLD	.546	-0.007X +	0.056Y -	0.89/	0.46	(-0.35/	0.18)
4 SUBSCAPULAR SKINFD	.668	-0.016X +	0.062Y -	0.65/	0.36	(-0.26/	0.14)
5 SUPRAILIAC SKINFLD	.644	-0.009X +	0.085Y -	2.49/	0.54	(-0.98/	0.21)
6 MEDIAL CALF SKINFD	.296	-0.006X +	0.029Y +	0.48/	0.49	(0.19/	0.19)
7 STATURE	.977	1.066X -	0.009Y +	14.33/	1.27	(5.64/	0.50)
8 STATURE, MAXIMUM	.979	1.071X -	0.011Y +	14.41/	1.24	(5.67/	0.49)
10 ACROMIAL HEIGHT	.965	0.948X +	0.034Y -	2.38/	1.43	(-0.94/	0.56)
11 SUPRASTERNALE HGHT	.972	0.930X +	0.014Y +	1.61/	1.24	(0.63/	0.49)
12 BUST POINT HEIGHT	.929	0.893X -	0.058Y -	2.09/	1.93	(-0.82/	0.76)
13 WAIST HEIGHT	.927	0.764X -	0.030Y -	4.05/	1.68	(-1.59/	0.66)
14 ABDOMINAL EXT HGT	.914	0.749X -	0.065Y -	6.74/	1.79	(-2.65/	0.71)
15 TROCHANTERIC HGHT	.866	0.669X +	0.001Y -	10.52/	2.14	(-4.14/	0.84)
16 BUTTOCK HEIGHT	.866	0.648X +	0.017Y -	9.13/	2.08	(-3.59/	0.82)
17 GLUTEAL FURROW HGT	.841	0.615X -	0.044Y -	9.95/	2.14	(-3.92/	0.84)
18 TIBIALE HEIGHT	.816	0.356X -	0.017Y -	6.43/	1.37	(-2.53/	0.54)
19 CROTCH HEIGHT	.877	0.648X -	0.029Y -	13.75/	1.94	(-5.41/	0.76)
20 ANKLE HEIGHT	.329	0.078X +	0.007Y -	0.14/	1.28	(-0.06/	0.50)
21 LAT'L MALLEOLUS HT	.419	0.045X -	0.001Y +	0.58/	0.53	(0.23/	0.21)
22 SITTING HT,RELAXED	.735	0.434X -	0.002Y +	24.00/	2.21	(9.45/	0.87)
23 SITTING HEIGHT	.753	0.429X +	0.010Y +	25.21/	2.09	(9.93/	0.82)
24 EYE HEIGHT,SITTING	.699	0.387X +	0. Y +	19.84/	2.19	(7.81/	0.86)
25 MIDSHOULDER HT,SIT	.710	0.325X +	0.048Y +	9.53/	1.87	(3.75/	0.74)
26 WAIST HGHT,SITTING	.408	0.117X +	0.029Y +	5.13/	1.58	(2.02/	0.62)
27 ELBOW REST HEIGHT	.186	0.081X +	0.005Y +	11.10/	2.42	(4.37/	0.95)
28 POPLITEAL HEIGHT	.746	0.255X -	0.012Y +	6.36/	1.24	(2.50/	0.49)
29 BUTTOCK-POPLIT'L L	.702	0.306X +	0.106Y -	2.01/	1.96	(-0.79/	0.77)
30 BUTTOCK-KNEE LNGTH	.829	0.339X +	0.128Y +	1.64/	1.47	(0.65/	0.58)
31 ACROMION-RADIALE L	.737	0.210X +	0.021Y +	0.36/	1.10	(0.14/	0.43)
32 RADIALE-STYLION L	.688	0.170X +	0.003Y -	0.48/	0.99	(-0.19/	0.39)
33 THUMB-TIP REACH	.670	0.443X +	0.076Y +	7.36/	2.88	(2.90/	1.13)
34 THUMB-TIP,EXTENDED	.625	0.520X +	0.090Y +	5.40/	3.81	(2.13/	1.50)
35 OVERHEAD REACH	.856	1.317X +	0.032Y +	13.75/	4.43	(5.42/	1.74)
36 NECK CIRCUMFERENCE	.563	0.053X +	0.149Y +	16.36/	1.39	(6.44/	0.55)
37 SHOULDER CIRCUMFER	.783	0.109X +	0.695Y +	38.53/	3.20	(15.17/	1.26)
38 CHEST CIRC AT SCYE	.791	0.060X +	0.697Y +	29.06/	3.04	(11.44/	1.20)
39 BUST CIRCUMFERENCE	.796	0.034X +	0.818Y +	30.02/	3.45	(11.82/	1.36)
40 CHEST C BELOW BUST	.794	0.059X +	0.686Y +	20.01/	2.96	(7.88/	1.16)
42 ABDOMINAL EXT CIRC	.810	0.012X +	1.073Y +	11.87/	4.27	(4.67/	1.68)
43 HIP C-7''BLW WAIST	.810	0.132X +	0.777Y +	23.05/	3.28	(9.07/	1.29)
44 HIP C-9''BLW WAIST	.740	0.183X +	0.740Y +	20.07/	4.05	(7.90/	1.59)
45 UPPER THIGH CIRCUM	.687	0.062X +	0.508Y +	12.71/	3.06	(5.00/	1.21)

TABLE XXVII
MULTIPLE CORRELATION COEFFICIENTS AND REGRESSION EQUATIONS BASED ON CERVICALE HEIGHT AND WAIST CIRCUMFERENCE

		MULT CORR	A	B	C	STD ERR EST	ENGLISH UNITS C	S.E.
46	KNEE CIRCUMFERENCE	.643	0.096X +	0.221Y +	8.09/	1.74	(3.18/	0.68)
47	CALF CIRCUM, RIGHT	.546	0.060X +	0.199Y +	12.42/	1.88	(4.89/	0.74)
48	CALF CIRCUM, LEFT	.539	0.063X +	0.197Y +	12.22/	1.92	(4.81/	0.76)
49	ANKLE CIRCUMFERNCE	.451	0.061X +	0.071Y +	7.82/	1.15	(3.08/	0.45)
50	VERTICAL TRUNK CIR	.754	0.594X +	0.577Y +	32.97/	4.52	(12.98/	1.78)
51	VERTICAL TRK C,SIT	.769	0.667X +	0.464Y +	26.04/	4.19	(10.25/	1.65)
52	BUTTOCK CIRC, SIT	.794	0.194X +	0.805Y +	18.89/	3.70	(7.44/	1.46)
53	SCYE CIRCUMFERENCE	.734	0.075X +	0.276Y +	8.11/	1.55	(3.19/	0.61)
54	AXILLARY ARM CIRC	.757	-0.022X +	0.329Y +	8.39/	1.53	(3.30/	0.60)
55	BICEPS C,RELAXED,R	.724	-0.028X +	0.310Y +	8.68/	1.58	(3.42/	0.62)
56	BICEPS C,FLEXED, R	.715	-0.018X +	0.307Y +	8.67/	1.62	(3.41/	0.64)
57	BICEPS C,RELAXED,L	.737	-0.034X +	0.333Y +	8.02/	1.63	(3.16/	0.64)
58	BICEPS C,FLEXED, L	.726	-0.022X +	0.321Y +	8.03/	1.64	(3.16/	0.65)
59	ELBOW CIRC, FLEXED	.546	0.099X +	0.121Y +	5.06/	1.49	(1.99/	0.59)
60	FOREARM C, RELAXED	.694	0.032X +	0.163Y +	8.07/	0.99	(3.18/	0.39)
61	FOREARM C, FLEXED	.666	0.037X +	0.170Y +	8.40/	1.13	(3.31/	0.45)
62	WRIST CIRCUMFERNCE	.593	0.043X +	0.052Y +	5.48/	0.57	(2.16/	0.23)
63	BIACROMIAL BREADTH	.522	0.110X +	0.082Y +	15.02/	1.40	(5.91/	0.55)
64	BIDELTOID BREADTH	.744	0.040X +	0.300Y +	16.14/	1.54	(6.36/	0.61)
65	CHEST BREADTH	.688	0.029X +	0.230Y +	8.50/	1.39	(3.35/	0.55)
66	BUST PT-BUST PT BR	.571	0.015X +	0.156Y +	5.96/	1.27	(2.35/	0.50)
67	WAIST BREADTH	.891	0.032X +	0.304Y -	0.76/	0.88	(-0.30/	0.35)
68	HIP BREADTH	.627	0.076X +	0.220Y +	9.60/	1.73	(3.78/	0.68)
69	THIGH-THIGH BR,SIT	.637	0.035X +	0.321Y +	11.75/	2.20	(4.62/	0.87)
70	HUMERAL BREADTH, R	.536	0.023X +	0.014Y +	1.99/	0.26	(0.78/	0.10)
71	HUMERAL BREADTH, L	.548	0.023X +	0.014Y +	1.96/	0.25	(0.77/	0.10)
72	FEMORAL BREADTH, R	.426	0.022X +	0.022Y +	3.58/	0.41	(1.41/	0.16)
73	FEMORAL BREADTH, L	.446	0.021X +	0.023Y +	3.67/	0.39	(1.45/	0.15)
74	CHEST DEPTH	.738	0.011X +	0.257Y +	4.84/	1.30	(1.91/	0.51)
75	WAIST DEPTH	.846	-0.012X +	0.262Y +	1.08/	0.89	(0.42/	0.35)
76	ABDOMINAL EXT DPTH	.814	-0.006X +	0.316Y +	0.49/	1.23	(0.19/	0.48)
77	BUTTOCK DEPTH	.708	0.015X +	0.226Y +	3.88/	1.26	(1.53/	0.50)
78	THIGH CLEARANCE	.598	0.074X +	0.055Y -	4.25/	1.00	(-1.67/	0.40)
79	SHOULDER LENGTH	.377	0.066X +	0.010Y +	4.80/	0.95	(1.89/	0.37)
80	NECK-BUST POINT L	.550	0.043X +	0.173Y +	7.88/	1.58	(3.10/	0.62)
81	STRAP LENGTH	.632	0.105X +	0.410Y +	23.05/	3.04	(9.08/	1.20)
82	INTERSCYE	.530	0.017X +	0.231Y +	17.17/	2.07	(6.76/	0.81)
83	INTERSCYE, MAXIMUM	.536	0.143X +	0.249Y +	12.75/	2.77	(5.02/	1.09)
84	BACK CURVATURE	.599	0.039X +	0.320Y +	15.21/	2.45	(5.99/	0.96)
85	WAIST BACK	.609	0.244X +	0.001Y +	6.48/	1.76	(2.55/	0.69)
86	ANTERIOR WAIST LTH	.515	0.125X +	0.102Y +	9.32/	1.68	(3.67/	0.66)
87	SLEEVE INSEAM	.734	0.332X -	0.044Y +	0.87/	1.64	(0.34/	0.65)
88	SPINE-TO-SCYE LGTH	.399	0.040X +	0.079Y +	9.49/	1.24	(3.74/	0.49)
89	SPINE-TO-ELBOW LTH	.705	0.270X +	0.089Y +	9.75/	1.71	(3.84/	0.67)
90	SPINE-TO-WRIST LTH	.783	0.434X +	0.096Y +	12.72/	2.07	(5.01/	0.81)

TABLE XXVII

MULTIPLE CORRELATION COEFFICIENTS AND REGRESSION EQUATIONS BASED ON CERVICALE HEIGHT AND WAIST CIRCUMFERENCE

		MULT CORR	EQUATIONS A	B	C	STD ERR EST	ENGLISH UNITS C	S.E.
91	HAND LENGTH	.605	0.103X +	0.008Y +	3.51/	0.76 (	1.38/	0.30)
92	HAND BREADTH	.412	0.023X +	0.013Y +	3.48/	0.35 (	1.37/	0.14)
93	HAND CIRCUMFERENCE	.455	0.046X +	0.047Y +	8.76/	0.81 (	3.45/	0.32)
94	FOOT LENGTH	.707	0.135X +	0.026Y +	3.53/	0.80 (	1.39/	0.31)
95	FOOT BREADTH	.383	0.027X +	0.016Y +	4.03/	0.46 (	1.59/	0.18)
96	HEAD LENGTH	.306	0.034X +	0.008Y +	13.14/	0.65 (	5.17/	0.25)
97	HEAD BREADTH	.271	0.005X +	0.028Y +	11.94/	0.57 (	4.70/	0.23)
98	HEAD CIRCUMFERENCE	.367	0.073X +	0.062Y +	40.54/	1.51 (	15.96/	0.59)
99	TRAGION-TOP HEAD	.224	0.025X +	0.012Y +	8.44/	0.74 (	3.32/	0.29)
100	ECTOCANTHUS-TOP HD	.198	0.032X +	0.003Y +	7.11/	0.90 (	2.80/	0.35)
101	PRONASALE-TOP HEAD	.201	0.044X -	0.006Y +	9.04/	1.15 (	3.56/	0.45)
102	SUBNASALE-TOP HEAD	.245	0.049X -	0.001Y +	9.16/	1.06 (	3.61/	0.42)
103	STOMION-TOP HEAD	.254	0.052X -	0.003Y +	10.79/	1.08 (	4.25/	0.43)
104	MENTON-TOP HEAD	.319	0.062X +	0.010Y +	12.60/	1.08 (	4.96/	0.43)
105	TRAGION TO WALL	.212	0.026X +	0.017Y +	5.41/	0.88 (	2.13/	0.35)
106	ECTOCANTHUS-WALL	.282	0.035X +	0.026Y +	9.75/	0.93 (	3.84/	0.37)
107	PRONASALE TO WALL	.329	0.042X +	0.029Y +	13.39/	0.91 (	5.27/	0.36)
108	SUBNASALE TO WALL	.295	0.035X +	0.031Y +	12.71/	0.94 (	5.00/	0.37)
109	LIP PROTRUSION-WALL	.248	0.026X +	0.034Y +	13.40/	1.03 (	5.27/	0.40)
110	MENTON TO WALL	.286	0.012X +	0.055Y +	12.87/	1.09 (	5.07/	0.43)
111	SAGITTAL CURVATURE	.252	0.061X +	0.017Y +	25.15/	1.44 (	9.90/	0.57)
112	BITRAGION-CORONAL	.273	0.041X +	0.045Y +	25.19/	1.35 (	9.92/	0.53)
113	BIOCULAR BREADTH	.230	0.015X +	0.010Y +	6.91/	0.48 (	2.72/	0.19)
114	BIAURICULAR BRDTH	.211	0.015X +	0.029Y +	11.80/	0.93 (	4.64/	0.37)
115	BITRAGION BREADTH	.373	0.012X +	0.029Y +	9.27/	0.46 (	3.65/	0.18)
116	BIZYGOMATIC BRDTH	.332	0.013X +	0.029Y +	9.14/	0.55 (	3.60/	0.21)
117	BIGONIAL BREADTH	.310	0.007X +	0.029Y +	7.26/	0.53 (	2.86/	0.21)
118	NASAL BREADTH	.102	0.001X +	0.006Y +	2.65/	0.33 (	1.04/	0.13)
119	LIP LENGTH	.079	0.005X +	0.002Y +	3.55/	0.42 (	1.40/	0.17)
120	MENTON-SUBNASALE L	.193	0.013X +	0.009Y +	3.13/	0.50 (	1.23/	0.20)
121	MENTON-SELLION LTH	.274	0.025X +	0.012Y +	6.34/	0.59 (	2.50/	0.23)
122	SUBNASALE-SELLION	.180	0.011X +	0.005Y +	2.68/	0.40 (	1.05/	0.16)
123	EAR LENGTH	.265	0.008X +	0.018Y +	2.91/	0.43 (	1.15/	0.17)
124	EAR BREADTH	.129	0.005X +	0.005Y +	1.95/	0.33 (	0.77/	0.13)

TABLE XXVII

MULTIPLE CORRELATION COEFFICIENTS AND REGRESSION EQUATIONS BASED ON CERVICALE HEIGHT AND HIP CIRCUMFERENCE-SEVEN INCHES BELOW WAIST LEVEL

	MULT CORR	EQUATIONS A	B	C	STD ERR EST	ENGLISH UNITS C	S.E.
1 AGE	.234	-0.050X +	0.283Y +	3.89/	6.27	(1.53/	2.47)
2 WEIGHT	.924	0.351X +	1.077Y -	92.04/	2.88		
(WEIGHT IN LB/IN		1.967X +	6.030Y -	202.96/	6.34)		
3 TRICEPS SKINFOLD	.629	-0.014X +	0.065Y -	2.23/	0.42	(-0.88/	0.17)
4 SUBSCAPULAR SKINFD	.609	-0.018X +	0.056Y -	1.45/	0.38	(-0.57/	0.15)
5 SUPRAILIAC SKINFLD	.585	-0.012X +	0.077Y -	3.57/	0.57	(-1.40/	0.22)
6 MEDIAL CALF SKINFD	.394	-0.011X +	0.039Y -	0.53/	0.47	(-0.21/	0.19)
7 STATURE	.977	1.059X +	0.012Y +	13.57/	1.27	(5.34/	0.50)
8 STATURE, MAXIMUM	.979	1.065X +	0.008Y +	13.75/	1.24	(5.42/	0.49)
10 ACROMIAL HEIGHT	.965	0.946X +	0.033Y -	2.91/	1.43	(-1.15/	0.56)
11 SUPRASTERNALE HGHT	.972	0.926X +	0.021Y +	1.14/	1.24	(0.45/	0.49)
12 BUST POINT HEIGHT	.928	0.891X -	0.044Y -	1.58/	1.94	(-0.62/	0.76)
13 WAIST HEIGHT	.927	0.759X -	0.009Y -	4.53/	1.69	(-1.78/	0.66)
14 ABDOMINAL EXT HGT	.914	0.752X -	0.062Y -	5.72/	1.80	(-2.25/	0.71)
15 TROCHANTERIC HGHT	.866	0.676X -	0.017Y -	9.83/	2.13	(-3.87/	0.84)
16 BUTTOCK HEIGHT	.866	0.653X +	0. Y -	8.68/	2.08	(-3.42/	0.82)
17 GLUTEAL FURROW HGT	.844	0.628X -	0.071Y -	8.07/	2.12	(-3.18/	0.84)
18 TIBIALE HEIGHT	.816	0.358X -	0.021Y -	5.88/	1.37	(-2.32/	0.54)
19 CROTCH HEIGHT	.880	0.661X -	0.061Y -	11.79/	1.92	(-4.64/	0.75)
20 ANKLE HEIGHT	.330	0.084X -	0.011Y +	0.52/	1.28	(0.21/	0.50)
21 LAT'L MALLEOLUS HT	.419	0.044X +	0.001Y +	0.56/	0.53	(0.22/	0.21)
22 SITTING HT,RELAXED	.737	0.420X +	0.037Y +	22.35/	2.20	(8.80/	0.86)
23 SITTING HEIGHT	.757	0.414X +	0.051Y +	23.20/	2.07	(9.13/	0.81)
24 EYE HEIGHT,SITTING	.704	0.369X +	0.050Y +	17.66/	2.17	(6.95/	0.86)
25 MIDSHOULDER HT,SIT	.718	0.313X +	0.072Y +	7.69/	1.85	(3.03/	0.73)
26 WAIST HGHT,SITTING	.447	0.101X +	0.067Y +	3.04/	1.55	(1.20/	0.61)
27 ELBOW REST HEIGHT	.205	0.068X +	0.040Y +	9.50/	2.41	(3.74/	0.95)
28 POPLITEAL HEIGHT	.747	0.259X -	0.021Y +	6.96/	1.24	(2.74/	0.49)
29 BUTTOCK-POPLIT'L L	.721	0.288X +	0.136Y -	5.11/	1.91	(-2.01/	0.75)
30 BUTTOCK-KNEE LNGTH	.851	0.319X +	0.161Y -	2.05/	1.38	(-0.81/	0.54)
31 ACROMION-RADIALE L	.735	0.212X +	0.012Y +	0.37/	1.10	(0.15/	0.43)
32 RADIALE-STYLION L	.688	0.169X +	0.003Y -	0.42/	0.99	(-0.16/	0.39)
33 THUMB-TIP REACH	.665	0.449X +	0.045Y +	7.42/	2.90	(2.92/	1.14)
34 THUMB-TIP,EXTENDED	.624	0.517X +	0.082Y +	4.19/	3.81	(1.65/	1.50)
35 OVERHEAD REACH	.856	1.319X +	0.021Y +	13.66/	4.43	(5.38/	1.74)
36 NECK CIRCUMFERENCE	.520	0.049X +	0.132Y +	14.57/	1.43	(5.74/	0.56)
37 SHOULDER CIRCUMFER	.748	0.076X +	0.657Y +	28.31/	3.41	(11.15/	1.34)
38 CHEST CIRC AT SCYE	.724	0.037X +	0.630Y +	20.11/	3.42	(7.92/	1.35)
39 BUST CIRCUMFERENCE	.722	0.010X +	0.733Y +	19.70/	3.94	(7.76/	1.55)
40 CHEST C BELOW BUST	.707	0.044X +	0.600Y +	12.02/	3.44	(4.73/	1.35)
41 WAIST CIRCUMFERNCE	.800	0.012X +	0.780Y -	7.50/	3.29	(-2.95/	1.29)
42 ABDOMINAL EXT CIRC	.829	-0.070X +	1.103Y -	7.89/	4.07	(-3.11/	1.60)
44 HIP C-9''BLW WAIST	.940	0.042X +	0.957Y -	3.93/	2.06	(-1.55/	0.81)
45 UPPER THIGH CIRCUM	.866	-0.028X +	0.663Y -	2.71/	2.11	(-1.07/	0.83)

TABLE XXVII

MULTIPLE CORRELATION COEFFICIENTS AND REGRESSION EQUATIONS BASED ON CERVICALE HEIGHT AND HIP CIRCUMFERENCE-SEVEN INCHES BELOW WAIST LEVEL

	MULT CORR	EQUATIONS A	B	C	STD ERR EST	ENGLISH UNITS C	S.E.
46 KNEE CIRCUMFERENCE	.765	0.058X +	0.285Y +	1.54/	1.46	(0.61/	0.57)
47 CALF CIRCUM, RIGHT	.674	0.024X +	0.262Y +	6.27/	1.66	(2.47/	0.65)
48 CALF CIRCUM, LEFT	.673	0.026X +	0.265Y +	5.80/	1.69	(2.28/	0.66)
49 ANKLE CIRCUMFERNCE	.526	0.047X +	0.097Y +	5.46/	1.10	(2.15/	0.43)
50 VERTICAL TRUNK CIR	.799	0.521X +	0.674Y +	18.79/	4.13	(7.40/	1.63)
51 VERTICAL TRK C,SIT	.800	0.609X +	0.539Y +	14.83/	3.94	(5.84/	1.55)
52 BUTTOCK CIRC, SIT	.935	0.074X +	0.951Y -	3.10/	2.16	(-1.22/	0.85)
53 SCYE CIRCUMFERENCE	.702	0.062X +	0.260Y +	4.12/	1.63	(1.62/	0.64)
54 AXILLARY ARM CIRC	.760	-0.045X +	0.331Y +	2.71/	1.52	(1.07/	0.60)
55 BICEPS C,RELAXED,R	.774	-0.057X +	0.333Y +	2.36/	1.45	(0.93/	0.57)
56 BICEPS C,FLEXED, R	.763	-0.046X +	0.329Y +	2.39/	1.50	(0.94/	0.59)
57 BICEPS C,RELAXED,L	.783	-0.064X +	0.354Y +	1.42/	1.50	(0.56/	0.59)
58 BICEPS C,FLEXED, L	.771	-0.051X +	0.343Y +	1.52/	1.52	(0.60/	0.60)
59 ELBOW CIRC, FLEXED	.538	0.093X +	0.116Y +	3.17/	1.50	(1.25/	0.59)
60 FOREARM C, RELAXED	.713	0.019X +	0.169Y +	5.01/	0.97	(1.97/	0.38)
61 FOREARM C, FLEXED	.684	0.024X +	0.177Y +	5.06/	1.11	(1.99/	0.44)
62 WRIST CIRCUMFERNCE	.583	0.040X +	0.050Y +	4.71/	0.58	(1.86/	0.23)
63 BIACROMIAL BREADTH	.510	0.108X +	0.074Y +	13.88/	1.41	(5.46/	0.56)
64 BIDELTOID BREADTH	.727	0.023X +	0.292Y +	11.33/	1.59	(4.46/	0.63)
65 CHEST BREADTH	.637	0.021X +	0.210Y +	5.41/	1.48	(2.13/	0.58)
66 BUST PT-BUST PT BR	.511	0.011X +	0.137Y +	4.17/	1.33	(1.64/	0.52)
67 WAIST BREADTH	.727	0.035X +	0.238Y -	3.03/	1.33	(-1.19/	0.52)
68 HIP BREADTH	.838	0.025X +	0.323Y +	1.24/	1.21	(0.49/	0.48)
69 THIGH-THIGH BR,SIT	.845	-0.030X +	0.442Y +	0.98/	1.53	(0.39/	0.60)
70 HUMERAL BREADTH, R	.549	0.021X +	0.015Y +	1.81/	0.26	(0.71/	0.10)
71 HUMERAL BREADTH, L	.557	0.022X +	0.015Y +	1.63/	0.25	(0.64/	0.10)
72 FEMORAL BREADTH, R	.454	0.019X +	0.026Y +	3.04/	0.40	(1.20/	0.16)
73 FEMORAL BREADTH, L	.478	0.018X +	0.027Y +	3.11/	0.38	(1.22/	0.15)
74 CHEST DEPTH	.677	0.003X +	0.233Y +	1.41/	1.42	(0.55/	0.56)
75 WAIST DEPTH	.696	-0.012X +	0.212Y -	1.17/	1.20	(-0.46/	0.47)
76 ABDOMINAL EXT DPTH	.778	-0.022X +	0.302Y -	4.33/	1.33	(-1.70/	0.52)
77 BUTTOCK DEPTH	.821	-0.015X +	0.268Y -	1.85/	1.02	(-0.73/	0.40)
78 THIGH CLEARANCE	.667	0.059X +	0.119Y -	6.92/	0.93	(-2.72/	0.37)
79 SHOULDER LENGTH	.377	0.065X +	0.010Y +	4.68/	0.95	(1.84/	0.37)
80 NECK-BUST POINT L	.513	0.036X +	0.158Y +	5.69/	1.62	(2.24/	0.64)
81 STRAP LENGTH	.588	0.091X +	0.373Y +	17.63/	3.17	(6.94/	1.25)
82 INTERSCYE	.483	0.010X +	0.207Y +	14.28/	2.14	(5.62/	0.84)
83 INTERSCYE, MAXIMUM	.520	0.131X +	0.235Y +	9.15/	2.81	(3.60/	1.11)
84 BACK CURVATURE	.557	0.027X +	0.294Y +	10.86/	2.54	(4.27/	1.00)
85 WAIST BACK	.610	0.249X -	0.013Y +	7.07/	1.76	(2.78/	0.69)
86 ANTERIOR WAIST LTH	.485	0.127X +	0.079Y +	8.50/	1.71	(3.35/	0.67)
87 SLEEVE INSEAM	.737	0.337X -	0.053Y +	2.18/	1.63	(0.86/	0.64)
88 SPINE-TO-SCYE LGTH	.380	0.037X +	0.073Y +	8.38/	1.26	(3.30/	0.49)
89 SPINE-TO-ELBOW LTH	.705	0.264X +	0.088Y +	8.33/	1.71	(3.28/	0.67)
90 SPINE-TO-WRIST LTH	.781	0.429X +	0.090Y +	11.44/	2.07	(4.50/	0.82)

TABLE XXVII

MULTIPLE CORRELATION COEFFICIENTS AND REGRESSION EQUATIONS BASED ON CERVICALE HEIGHT AND HIP CIRCUMFERENCE-SEVEN INCHES BELOW WAIST LEVEL

		MULT CORR	EQUATIONS A	B	C	STD ERR EST	ENGLISH UNITS C	S.E.
91	HAND LENGTH	.604	0.104X +	0.0C3Y +	3.63/	0.76 (	1.43/	0.30)
92	HAND BREADTH	.408	0.022X +	0.012Y +	3.37/	0.36 (	1.33/	0.14)
93	HAND CIRCUMFERENCE	.436	0.045X +	0.042Y +	8.12/	0.82 (	3.20/	0.32)
94	FOOT LENGTH	.705	0.134X +	0.024Y +	3.17/	0.80 (	1.25/	0.31)
95	FOOT BREADTH	.392	0.025X +	0.018Y +	3.70/	0.46 (	1.46/	0.18)
96	HEAD LENGTH	.316	0.032X +	0.013Y +	12.74/	0.64 (	5.02/	0.25)
97	HEAD BREADTH	.252	0.004X +	0.025Y +	11.62/	0.58 (	4.57/	0.23)
98	HEAD CIRCUMFERENCE	.368	0.C68X +	0.062Y +	39.59/	1.51 (	15.59/	0.59)
99	TRAGION-TOP HEAD	.223	0.025X +	0.012Y +	8.12/	0.74 (	3.20/	0.29)
100	ECTOCANTHUS-TOP HD	.198	0.032X +	0.0C2Y +	7.12/	0.90 (	2.80/	0.35)
101	PRONASALE-TOP HEAD	.199	0.043X -	0.0C2Y +	8.96/	1.15 (	3.53/	0.45)
102	SUBNASALE-TOP HEAD	.245	0.048X +	0.002Y +	9.04/	1.06 (	3.56/	0.42)
103	STOMION-TOP HEAD	.254	0.052X +	0. Y +	10.59/	1.08 (	4.17/	0.43)
104	MENTON-TOP HEAD	.320	0.061X +	0.012Y +	12.29/	1.08 (	4.84/	0.42)
105	TRAGION TO WALL	.215	0.024X +	0.018Y +	5.15/	0.88 (	2.03/	0.35)
106	ECTOCANTHUS-WALL	.286	0.033X +	0.028Y +	9.15/	0.93 (	3.60/	0.37)
107	PRONASALE TO WALL	.338	0.039X +	0.032Y +	12.76/	0.90 (	5.03/	0.36)
108	SUBNASALE TO WALL	.295	0.033X +	0.031Y +	12.17/	0.94 (	4.79/	0.37)
109	LIP PROTRUS'N-WALL	.240	0.024X +	0.031Y +	13.06/	1.03 (	5.14/	0.40)
110	MENTON TO WALL	.271	0.010X +	0.051Y +	12.07/	1.09 (	4.75/	0.43)
111	SAGITTAL CURVATURE	.257	0.058X +	0.022Y +	24.65/	1.44 (	9.71/	0.57)
112	BITRAGION-CORONAL	.260	0.040X +	0.040Y +	24.61/	1.36 (	9.69/	0.53)
113	BIOCULAR BREADTH	.224	0.015X +	0.009Y +	6.74/	0.48 (	2.65/	0.19)
114	BIAURICULAR BRDTH	.192	0.015X +	0.024Y +	11.50/	0.93 (	4.53/	0.37)
115	BITRAGION BREADTH	.348	0.011X +	0.026Y +	8.92/	0.47 (	3.51/	0.18)
116	BIZYGOMATIC BRDTH	.309	0.012X +	0.026Y +	8.79/	0.55 (	3.46/	0.22)
117	BIGONIAL BREADTH	.285	0.006X +	0.026Y +	6.92/	0.54 (	2.72/	0.21)
118	NASAL BREADTH	.057	0.002X +	0.002Y +	2.73/	0.33 (	1.07/	0.13)
119	LIP LENGTH	.074	0.006X +	0. Y +	3.54/	0.42 (	1.39/	0.17)
120	MENTON-SUBNASALE L	.192	0.013X +	0.009Y +	2.89/	0.50 (	1.14/	0.20)
121	MENTON-SELLION LTH	.272	0.024X +	0.011Y +	6.26/	0.59 (	2.46/	0.23)
122	SUBNASALE-SELLION	.179	0.011X +	0.005Y +	2.55/	0.40 (	1.00/	0.16)
123	EAR LENGTH	.255	0.007X +	0.017Y +	2.67/	0.43 (	1.05/	0.17)
124	EAR BREADTH	.126	0.004X +	0.005Y +	1.96/	0.33 (	0.77/	0.13)

TABLE XXVII

MULTIPLE CORRELATION COEFFICIENTS AND REGRESSION EQUATIONS BASED ON WAIST HEIGHT AND WEIGHT

	MULT CORR	EQUATIONS A	B	C	S.E. EST.	ENGLISH UNITS B	C
1 AGE	.238	-0.137X+	0.232Y+	23.79/	6.27	(+ 0.041Y+	9.42)
3 TRICEPS SKINFOLD	.649	-0.036X+	0.054Y+	2.40/	0.41	(+ 0.010Y+	0.90)
4 SUBSCAPULAR SKINFD	.636	-0.036X+	0.047Y+	2.19/	0.37	(+ 0.008Y+	0.91)
5 SUPRAILIAC SKINFLD	.618	-0.037X+	0.065Y+	1.93/	0.55	(+ 0.012Y+	0.71)
6 MEDIAL CALF SKINFD	.412	-0.026X+	0.033Y+	2.30/	0.47	(+ 0.006Y+	0.89)
7 STATURE	.918	1.150X+	0.084Y+	41.94/	2.38	(+ 0.015Y+	16.51)
8 STATURE, MAXIMUM	.920	1.157X+	0.083Y+	41.94/	2.35	(+ 0.015Y+	16.49)
9 CERVICALE HEIGHT	.931	1.072X+	0.078Y+	27.20/	2.01	(+ 0.014Y+	10.70)
10 ACROMIAL HEIGHT	.926	1.042X+	0.093Y+	22.01/	2.07	(+ 0.017Y+	8.61)
11 SUPRASTERNALE HGHT	.936	1.026X+	0.085Y+	24.21/	1.86	(+ 0.015Y+	9.56)
12 BUST POINT HEIGHT	.897	1.031X+	0.011Y+	14.30/	2.30	(+ 0.002Y+	5.62)
14 ABDOMINAL EXT HGT	.948	0.956X-	0.031Y-	0.93/	1.41	(- 0.005Y-	0.43)
15 TROCHANTERIC HGHT	.897	0.841X+	0.011Y-	2.30/	1.89	(+ 0.002Y-	0.91)
16 BUTTOCK HEIGHT	.890	0.807X+	0.019Y+	0.19/	1.90	(+ 0.003Y+	0.13)
17 GLUTEAL FURROW HGT	.867	0.798X-	0.044Y-	4.78/	1.97	(- 0.008Y-	1.87)
18 TIBIALE HEIGHT	.831	0.441X-	0.002Y-	2.13/	1.32	(- 0. Y-	0.88)
19 CROTCH HEIGHT	.910	0.827X-	0.015Y-	7.56/	1.67	(- 0.003Y-	2.94)
20 ANKLE HEIGHT	.314	0.094X+	0. Y+	1.76/	1.29	(+ 0. Y+	0.69)
21 LAT'L MALLEOLUS HT	.411	0.049X+	0.005Y+	1.57/	0.54	(+ 0.001Y+	0.61)
22 SITTING HT,RELAXED	.622	0.357X+	0.089Y+	43.35/	2.55	(+ 0.016Y+	17.05)
23 SITTING HEIGHT	.641	0.344X+	0.101Y+	45.28/	2.43	(+ 0.018Y+	17.83)
24 EYE HEIGHT,SITTING	.595	0.307X+	0.091Y+	37.67/	2.46	(+ 0.016Y+	14.86)
25 MIDSHOULDER HT,SIT	.613	0.244X+	0.103Y+	27.59/	2.10	(+ 0.018Y+	10.91)
26 WAIST HGHT,SITTING	.465	0.115X+	0.055Y+	8.66/	1.54	(+ 0.010Y+	3.39)
27 ELBOW REST HEIGHT	.165	-0.025X+	0.060Y+	21.75/	2.43	(+ 0.011Y+	8.53)
28 POPLITEAL HEIGHT	.762	0.318X-	0.003Y+	9.33/	1.20	(- 0. Y+	3.61)
29 BUTTOCK-POPLIT'L L	.751	0.349X+	0.104Y+	6.72/	1.82	(+ 0.019Y+	2.59)
30 BUTTOCK-KNEE LNGTH	.877	0.361X+	0.136Y+	13.39/	1.27	(+ 0.024Y+	5.31)
31 ACROMION-RADIALE L	.752	0.253X+	0.020Y+	4.48/	1.07	(+ 0.004Y+	1.71)
32 RADIALE-STYLION L	.700	0.207X+	0.007Y+	2.23/	0.98	(+ 0.001Y+	0.91)
33 THUMB-TIP REACH	.664	0.500X+	0.074Y+	19.72/	2.90	(+ 0.013Y+	7.79)
34 THUMB-TIP,EXTENDED	.628	0.580X+	0.102Y+	19.79/	3.80	(+ 0.018Y+	7.82)
35 OVERHEAD REACH	.839	1.499X+	0.107Y+	42.74/	4.66	(+ 0.019Y+	16.84)
36 NECK CIRCUMFERENCE	.583	-0.012X+	0.134Y+	27.23/	1.36	(+ 0.024Y+	10.71)
37 SHOULDER CIRCUMFER	.844	-0.161X+	0.619Y+	80.86/	2.76	(+ 0.111Y+	31.78)
38 CHEST CIRC AT SCYE	.817	-0.192X+	0.588Y+	69.60/	2.86	(+ 0.105Y+	27.40)
39 BUST CIRCUMFERENCE	.820	-0.268X+	0.686Y+	77.04/	3.26	(+ 0.123Y+	30.27)
40 CHEST C BELOW BUST	.805	-0.193X+	0.569Y+	60.87/	2.89	(+ 0.102Y+	23.91)
41 WAIST CIRCUMFERNCE	.848	-0.276X+	0.683Y+	55.50/	2.91	(+ 0.122Y+	21.84)
42 ABDOMINAL EXT CIRC	.820	-0.384X+	0.883Y+	73.23/	4.16	(+ 0.158Y+	28.79)
43 HIP C-7''BLW WAIST	.903	-0.207X+	0.725Y+	72.59/	2.40	(+ 0.129Y+	28.64)
44 HIP C-9''BLW WAIST	.893	-0.183X+	0.764Y+	69.57/	2.70	(+ 0.136Y+	27.44)
45 UPPER THIGH CIRCUM	.862	-0.205X+	0.533Y+	45.30/	2.14	(+ 0.095Y+	17.86)

TABLE XXVII

MULTIPLE CORRELATION COEFFICIENTS AND REGRESSION EQUATIONS BASED ON WAIST HEIGHT AND WEIGHT

	MULT CORR	EQUATIONS A	B	C	S.E. EST.	ENGLISH UNITS B	C
46 KNEE CIRCUMFERENCE	.822	-0.036X+	0.258Y+	25.03/	1.29	(+ 0.046Y+	9.87)
47 CALF CIRCUM, RIGHT	.767	-0.084X+	0.250Y+	28.15/	1.44	(+ 0.045Y+	11.04)
48 CALF CIRCUM, LEFT	.760	-0.082X+	0.251Y+	27.98/	1.48	(+ 0.045Y+	10.99)
49 ANKLE CIRCUMFERNCE	.591	-0.003X+	0.102Y+	15.50/	1.04	(+ 0.018Y+	6.13)
50 VERTICAL TRUNK CIR	.797	0.224X+	0.653Y+	94.31/	4.15	(+ 0.117Y+	37.08)
51 VERTICAL TRK C,SIT	.770	0.377X+	0.531Y+	81.64/	4.18	(+ 0.095Y+	32.12)
52 BUTTOCK CIRC, SIT	.910	-0.158X+	0.780Y+	70.86/	2.53	(+ 0.139Y+	27.94)
53 SCYE CIRCUMFERENCE	.778	-0.030X+	0.245Y+	25.98/	1.44	(+ 0.044Y+	10.20)
54 AXILLARY ARM CIRC	.843	-0.171X+	0.298Y+	27.40/	1.26	(+ 0.053Y+	10.82)
55 BICEPS C,RELAXED,R	.865	-0.189X+	0.301Y+	27.21/	1.15	(+ 0.054Y+	10.68)
56 BICEPS C,FLEXED, R	.860	-0.178X+	0.301Y+	27.29/	1.18	(+ 0.054Y+	10.71)
57 BICEPS C,RELAXED,L	.868	-0.198X+	0.317Y+	27.24/	1.20	(+ 0.057Y+	10.67)
58 BICEPS C,FLEXED, L	.859	-0.183X+	0.309Y+	27.07/	1.22	(+ 0.055Y+	10.68)
59 ELBOW CIRC, FLEXED	.583	0.052X+	0.120Y+	14.84/	1.45	(+ 0.021Y+	5.90)
60 FOREARM C, RELAXED	.821	-0.051X+	0.163Y+	19.19/	0.79	(+ 0.029Y+	7.57)
61 FOREARM C, FLEXED	.791	-0.052X+	0.173Y+	20.21/	0.93	(+ 0.031Y+	7.94)
62 WRIST CIRCUMFERNCE	.652	0.016X+	0.056Y+	10.13/	0.54	(+ 0.010Y+	3.99)
63 BIACROMIAL BREADTH	.530	0.079X+	0.085Y+	23.02/	1.39	(+ 0.015Y+	9.09)
64 BIDELTOID BREADTH	.811	-0.084X+	0.271Y+	34.67/	1.36	(+ 0.048Y+	13.70)
65 CHEST BREADTH	.711	-0.060X+	0.196Y+	22.71/	1.35	(+ 0.035Y+	8.94)
66 BUST PT-BUST PT BR	.593	-0.037X+	0.132Y+	14.63/	1.25	(+ 0.023Y+	5.83)
67 WAIST BREADTH	.774	-0.050X+	0.213Y+	16.86/	1.22	(+ 0.038Y+	6.64)
68 HIP BREADTH	.774	-0.042X+	0.240Y+	25.34/	1.40	(+ 0.043Y+	9.96)
69 THIGH-THIGH BR,SIT	.809	-0.149X+	0.342Y+	33.41/	1.68	(+ 0.061Y+	13.16)
70 HUMERAL BREADTH, R	.575	0.016X+	0.017Y+	3.55/	0.25	(+ 0.003Y+	1.40)
71 HUMERAL BREADTH, L	.580	0.016X+	0.017Y+	3.52/	0.25	(+ 0.003Y+	1.39)
72 FEMORAL BREADTH, R	.493	0.009X+	0.027Y+	5.66/	0.39	(+ 0.005Y+	2.20)
73 FEMORAL BREADTH, L	.519	0.008X+	0.028Y+	5.72/	0.37	(+ 0.005Y+	2.25)
74 CHEST DEPTH	.760	-0.076X+	0.214Y+	18.92/	1.26	(+ 0.038Y+	7.48)
75 WAIST DEPTH	.766	-0.091X+	0.151Y+	15.13/	1.07	(+ 0.034Y+	5.97)
76 ABDOMINAL EXT DPTH	.819	-0.115X+	0.257Y+	17.60/	1.22	(+ 0.046Y+	6.92)
77 BUTTOCK DEPTH	.825	-0.083X+	0.216Y+	17.02/	1.01	(+ 0.039Y+	6.65)
78 THIGH CLEARANCE	.721	0.033X+	0.109Y+	2.84/	0.87	(+ 0.019Y+	1.18)
79 SHOULDER LENGTH	.357	0.060X+	0.019Y+	7.55/	0.95	(+ 0.003Y+	3.02)
80 NECK-BUST POINT L	.577	-0.033X+	0.154Y+	19.92/	1.54	(+ 0.027Y+	7.91)
81 STRAP LENGTH	.659	-0.075X+	0.364Y+	51.75/	2.95	(+ 0.065Y+	20.38)
82 INTERSCYE	.547	-0.073X+	0.195Y+	31.13/	2.04	(+ 0.035Y+	12.23)
83 INTERSCYE, MAXIMUM	.555	0.046X+	0.228Y+	31.63/	2.73	(+ 0.041Y+	12.42)
84 BACK CURVATURE	.617	-0.090X+	0.273Y+	35.43/	2.40	(+ 0.049Y+	13.92)
85 WAIST BACK	.412	0.161X+	0.040Y+	22.06/	2.02	(+ 0.007Y+	8.70)
86 ANTERIOR WAIST LTH	.459	-0.006X+	0.121Y+	27.20/	1.74	(+ 0.022Y+	10.66)
87 SLEEVE INSEAM	.742	0.423X-	0.033Y+	3.61/	1.62	(- 0.006Y+	1.44)
88 SPINE-TO-SCYE LGTH	.430	0.006X+	0.076Y+	15.38/	1.23	(+ 0.014Y+	6.00)
89 SPINE-TO-ELBOW LTH	.716	0.268X+	0.102Y+	20.56/	1.68	(+ 0.018Y+	8.12)
90 SPINE-TO-WRIST LTH	.791	0.469X+	0.111Y+	26.15/	2.03	(+ 0.020Y+	10.27)

TABLE XXVII

MULTIPLE CORRELATION COEFFICIENTS AND REGRESSION EQUATIONS BASED ON WAIST HEIGHT AND WEIGHT

	MULT CORR	EQUATIONS A	EQUATIONS B	EQUATIONS C	S.E. EST.	ENGLISH UNITS B	ENGLISH UNITS C
91 HAND LENGTH	.610	0.117X+	0.014Y+	5.84/	0.76	(+ 0.003Y+	2.24)
92 HAND BREADTH	.444	0.015X+	0.017Y+	5.07/	0.35	(+ 0.003Y+	2.00)
93 HAND CIRCUMFERENCE	.503	0.020X+	0.054Y+	13.20/	0.78	(+ 0.010Y+	5.15)
94 FOOT LENGTH	.708	0.142X+	0.034Y+	7.87/	0.80	(+ 0.006Y+	3.11)
95 FOOT BREADTH	.427	0.021X+	0.020Y+	5.61/	0.45	(+ 0.004Y+	2.15)
96 HEAD LENGTH	.347	0.029X+	0.019Y+	14.41/	0.64	(+ 0.003Y+	5.72)
97 HEAD BREADTH	.291	-0.004X+	0.024Y+	13.53/	0.57	(+ 0.004Y+	5.36)
98 HEAD CIRCUMFERENCE	.421	0.051X+	0.072Y+	45.60/	1.47	(+ 0.013Y+	17.93)
99 TRAGION-TOP HEAD	.247	0.021X+	0.016Y+	9.70/	0.74	(+ 0.003Y+	3.80)
100 ECTOCANTHUS-TOP HD	.211	0.030X+	0.012Y+	8.06/	0.90	(+ 0.002Y+	3.19)
101 PRONASALE-TOP HEAD	.201	0.042X+	0.010Y+	9.97/	1.15	(+ 0.002Y+	3.90)
102 SUBNASALE-TOP HEAD	.247	0.046X+	0.013Y+	10.55/	1.06	(+ 0.002Y+	4.19)
103 STOMION-TOP HEAD	.256	0.051X+	0.013Y+	11.96/	1.08	(+ 0.002Y+	4.75)
104 MENTON-TOP HEAD	.333	0.056X+	0.025Y+	14.85/	1.07	(+ 0.004Y+	5.91)
105 TRAGION TO WALL	.227	0.023X+	0.018Y+	6.83/	0.88	(+ 0.003Y+	2.72)
106 ECTOCANTHUS-WALL	.312	0.028X+	0.029Y+	11.89/	0.92	(+ 0.005Y+	4.70)
107 PRONASALE TO WALL	.369	0.032X+	0.034Y+	16.02/	0.89	(+ 0.006Y+	6.32)
108 SUBNASALE TO WALL	.331	0.028X+	0.032Y+	15.01/	0.93	(+ 0.006Y+	5.87)
109 LIP PROTRUS'N-WALL	.280	0.021X+	0.032Y+	15.35/	1.02	(+ 0.006Y+	6.01)
110 MENTON TO WALL	.303	-0.002X+	0.046Y+	15.78/	1.08	(+ 0.008Y+	6.24)
111 SAGITTAL CURVATURE	.263	0.044X+	0.034Y+	28.41/	1.44	(+ 0.006Y+	11.20)
112 BITRAGION-CORONAL	.311	0.025X+	0.049Y+	28.59/	1.33	(+ 0.009Y+	11.22)
113 BIOCULAR BREADTH	.258	0.014X+	0.011Y+	7.63/	0.48	(+ 0.002Y+	3.00)
114 BIAURICULAR BRDTH	.218	0.008X+	0.025Y+	13.59/	0.93	(+ 0.004Y+	5.41)
115 BITRAGION BREADTH	.393	0.004X+	0.025Y+	11.05/	0.46	(+ 0.004Y+	4.41)
116 BIZYGOMATIC BRDTH	.359	0.004X+	0.026Y+	11.00/	0.54	(+ 0.005Y+	4.28)
117 BIGONIAL BREADTH	.348	-0.004X+	0.027Y+	9.03/	0.53	(+ 0.005Y+	3.53)
118 NASAL BREADTH	.102	0.002X+	0.004Y+	2.76/	0.33	(+ 0.001Y+	1.05)
119 LIP LENGTH	.102	0.006X+	0.003Y+	3.60/	0.42	(+ 0. Y+	1.49)
120 MENTON-SUBNASALE L	.222	0.009X+	0.012Y+	3.95/	0.50	(+ 0.002Y+	1.57)
121 MENTON-SELLION LTH	.286	0.017X+	0.017Y+	7.94/	0.59	(+ 0.003Y+	3.13)
122 SUBNASALE-SELLION	.178	0.007X+	0.007Y+	3.44/	0.40	(+ 0.001Y+	1.39)
123 EAR LENGTH	.281	0.001X+	0.016Y+	4.21/	0.43	(+ 0.003Y+	1.64)
124 EAR BREADTH	.146	0.004X+	0.005Y+	2.29/	0.33	(+ 0.001Y+	0.89)

TABLE XXVII

MULTIPLE CORRELATION COEFFICIENTS AND REGRESSION EQUATIONS BASED ON WAIST HEIGHT AND BUST CIRCUMFERENCE

	MULT CORR	EQUATIONS A	B	C	STD ERR EST	ENGLISH UNITS C	S.E.
1 AGE	.289	-0.045X +	0.334Y -	2.03/	6.18	(-0.80/	2.43)
2 WEIGHT	.859	0.543X +	0.951Y -	82.12/	3.84		
(WEIGHT IN LB/IN		3.039X +	5.328Y -	181.06/	8.47)		
3 TRICEPS SKINFOLD	.527	-0.007X +	0.051Y -	1.97/	0.46	(-0.78/	0.18)
4 SUBSCAPULAR SKINFD	.640	-0.014X +	0.056Y -	2.33/	0.37	(-0.92/	0.15)
5 SUPRAILIAC SKINFLD	.601	-0.005X +	0.075Y -	4.26/	0.56	(-1.68/	0.22)
6 MEDIAL CALF SKINFD	.266	-0.006X +	0.025Y -	0.05/	0.50	(-0.02/	0.20)
7 STATURE	.914	1.206X +	0.044Y +	37.22/	2.43	(14.65/	0.96)
8 STATURE, MAXIMUM	.917	1.213X +	0.044Y +	37.16/	2.40	(14.63/	0.95)
9 CERVICALE HEIGHT	.928	1.124X +	0.044Y +	22.53/	2.06	(8.87/	0.81)
10 ACROMIAL HEIGHT	.922	1.097X +	0.074Y +	15.21/	2.12	(5.99/	0.83)
11 SUPRASTERNALE HGHT	.932	1.080X +	0.057Y +	18.59/	1.92	(7.32/	0.75)
12 BUST POINT HEIGHT	.898	1.049X -	0.030Y +	15.82/	2.29	(6.23/	0.90)
14 ABDOMINAL EXT HGT	.948	0.942X -	0.037Y +	2.01/	1.41	(0.79/	0.55)
15 TROCHANTERIC HGHT	.896	0.851X -	0.001Y -	2.58/	1.89	(-1.01/	0.74)
16 BUTTOCK HEIGHT	.890	0.817X +	0.020Y -	1.51/	1.90	(-0.59/	0.75)
17 GLUTEAL FURROW HGT	.865	0.770X -	0.032Y -	1.64/	1.99	(-0.65/	0.78)
18 TIBIALE HEIGHT	.831	0.439X +	0. Y -	2.04/	1.32	(-0.80/	0.52)
19 CROTCH HEIGHT	.910	0.820X -	0.020Y -	5.93/	1.67	(-2.33/	0.66)
20 ANKLE HEIGHT	.316	0.092X +	0.007Y +	1.33/	1.28	(0.52/	0.51)
21 LAT'L MALLEOLUS HT	.409	0.052X +	0.003Y +	1.29/	0.54	(0.51/	0.21)
22 SITTING HT,RELAXED	.602	0.416X +	0.050Y +	38.08/	2.60	(14.99/	1.02)
23 SITTING HEIGHT	.615	0.411X +	0.056Y +	39.36/	2.50	(15.50/	0.98)
24 EYE HEIGHT,SITTING	.570	0.366X +	0.053Y +	32.25/	2.51	(12.70/	0.99)
25 MIDSHOULDER HT,SIT	.579	0.308X +	0.073Y +	20.56/	2.17	(8.10/	0.85)
26 WAIST HGHT,SITTING	.448	0.145X +	0.052Y +	4.16/	1.55	(1.64/	0.61)
27 ELBOW REST HEIGHT	.079	0.016X +	0.029Y +	18.50/	2.45	(7.28/	0.97)
28 POPLITEAL HEIGHT	.762	0.316X -	0.003Y +	9.63/	1.20	(3.79/	0.47)
29 BUTTOCK-POPLIT'L L	.733	0.408X +	0.090Y -	1.28/	1.88	(-0.50/	0.74)
30 BUTTOCK-KNEE LNGTH	.844	0.439X +	0.114Y +	3.18/	1.41	(1.25/	0.56)
31 ACROMION-RADIALE L	.753	0.262X +	0.028Y +	2.22/	1.07	(0.87/	0.42)
32 RADIALE-STYLION L	.699	0.211X +	0.004Y +	1.87/	0.98	(0.74/	0.39)
33 THUMB-TIP REACH	.661	0.540X +	0.074Y +	13.34/	2.91	(5.25/	1.15)
34 THUMB-TIP,EXTENDED	.621	0.639X +	0.086Y +	12.04/	3.82	(4.74/	1.51)
35 OVERHEAD REACH	.836	1.567X +	0.070Y +	35.81/	4.70	(14.10/	1.85)
36 NECK CIRCUMFERENCE	.526	0.057X +	0.138Y +	15.65/	1.43	(6.16/	0.56)
37 SHOULDER CIRCUMFER	.819	0.140X +	0.704Y +	23.21/	2.95	(9.14/	1.16)
38 CHEST CIRC AT SCYE	.890	0.066X +	0.761Y +	9.35/	2.26	(3.68/	0.89)
40 CHEST C BELOW BUST	.834	0.069X +	0.697Y +	4.87/	2.68	(1.92/	1.06)
41 WAIST CIRCUMFERNCE	.797	0.063X +	0.753Y -	6.68/	3.30	(-2.63/	1.30)
42 ABDOMINAL EXT CIRC	.738	0.069X +	0.928Y -	4.54/	4.91	(-1.79/	1.93)
43 HIP C-7''BLW WAIST	.737	0.191X +	0.672Y +	14.19/	3.77	(5.59/	1.49)
44 HIP C-9''BLW WAIST	.698	0.250X +	0.665Y +	10.53/	4.31	(4.15/	1.70)
45 UPPER THIGH CIRCUM	.650	0.099X +	0.456Y +	4.63/	3.21	(1.82/	1.26)

TABLE XXVII

MULTIPLE CORRELATION COEFFICIENTS AND REGRESSION EQUATIONS BASED ON WAIST HEIGHT AND BUST CIRCUMFERENCE

	MULT CORR	EQUATIONS A	B	C	STD ERR EST	ENGLISH UNITS C	S.E.
46 KNEE CIRCUMFERENCE	.602	0.117X +	0.199Y +	6.71/	1.81	(2.64/	0.71)
47 CALF CIRCUM, RIGHT	.507	0.069X +	0.180Y +	11.07/	1.94	(4.36/	0.76)
48 CALF CIRCUM, LEFT	.497	0.073X +	0.177Y +	11.03/	1.98	(4.34/	0.78)
49 ANKLE CIRCUMFERNCE	.401	0.062X +	0.065Y +	9.04/	1.18	(3.56/	0.46)
50 VERTICAL TRUNK CIR	.722	0.572X +	0.644Y +	39.28/	4.76	(15.47/	1.87)
51 VERTICAL TRK C,SIT	.719	0.657X +	0.532Y +	36.45/	4.56	(14.35/	1.79)
52 BUTTOCK CIRC, SIT	.745	0.272X +	0.717Y +	8.39/	4.06	(3.30/	1.60)
53 SCYE CIRCUMFERENCE	.736	0.093X +	0.269Y +	3.64/	1.55	(1.43/	0.61)
54 AXILLARY ARM CIRC	.777	-0.021X +	0.323Y +	0.56/	1.47	(0.22/	0.58)
55 BICEPS C,RELAXED,R	.732	-0.029X +	0.299Y +	1.69/	1.56	(0.67/	0.62)
56 BICEPS C,FLEXED, R	.718	-0.017X +	0.295Y +	2.03/	1.61	(0.80/	0.63)
57 BICEPS C,RELAXED,L	.729	-0.029X +	0.313Y +	0.49/	1.65	(0.19/	0.65)
58 BICEPS C,FLEXED, L	.728	-0.019X +	0.307Y +	0.90/	1.63	(0.35/	0.64)
59 ELBOW CIRC, FLEXED	.535	0.116X +	0.120Y +	4.58/	1.51	(1.80/	0.59)
60 FOREARM C, RELAXED	.671	0.038X +	0.152Y +	6.03/	1.02	(2.37/	0.40)
61 FOREARM C, FLEXED	.648	0.043X +	0.161Y +	6.22/	1.16	(2.45/	0.46)
62 WRIST CIRCUMFERNCE	.566	0.047X +	0.052Y +	5.58/	0.59	(2.20/	0.23)
63 BIACROMIAL BREADTH	.496	0.124X +	0.083Y +	15.96/	1.42	(6.28/	0.56)
64 BIDELTOID BREADTH	.704	0.051X +	0.298Y +	10.02/	1.49	(3.95/	0.59)
65 CHEST BREADTH	.738	0.030X +	0.241Y +	3.36/	1.29	(1.32/	0.51)
66 BUST PT-BUST PT BR	.721	0.014X +	0.193Y -	0.19/	1.07	(-0.07/	0.42)
67 WAIST BREADTH	.718	0.057X +	0.229Y -	2.14/	1.35	(-0.84/	0.53)
68 HIP BREADTH	.583	0.098X +	0.196Y +	7.55/	1.80	(2.97/	0.71)
69 THIGH-THIGH BR,SIT	.604	0.046X +	0.292Y +	7.38/	2.28	(2.90/	0.90)
70 HUMERAL BREADTH, R	.529	0.025X +	0.016Y +	2.19/	0.26	(0.86/	0.10)
71 HUMERAL BREADTH, L	.525	0.025X +	0.015Y +	2.25/	0.26	(0.89/	0.10)
72 FEMORAL BREADTH, R	.411	0.024X +	0.022Y +	3.74/	0.41	(1.47/	0.16)
73 FEMORAL BREADTH, L	.429	0.024X +	0.023Y +	3.67/	0.40	(1.44/	0.16)
74 CHEST DEPTH	.880	0.012X +	0.296Y -	4.12/	0.92	(-1.62/	0.36)
75 WAIST DEPTH	.723	0.004X +	0.211Y -	2.32/	1.16	(-0.91/	0.45)
76 ABDOMINAL EXT DPTH	.734	0.018X +	0.269Y -	5.05/	1.44	(-1.99/	0.57)
77 BUTTOCK DEPTH	.666	0.036X +	0.200Y -	0.40/	1.34	(-0.16/	0.53)
78 THIGH CLEARANCE	.594	0.097X +	0.089Y -	5.28/	1.01	(-2.08/	0.40)
79 SHOULDER LENGTH	.342	0.072X +	0.013Y +	6.27/	0.96	(2.47/	0.38)
80 NECK-BUST POINT L	.646	0.032X +	0.207Y +	3.71/	1.44	(1.46/	0.57)
81 STRAP LENGTH	.706	0.087X +	0.465Y +	14.77/	2.78	(5.82/	1.09)
82 INTERSCYE	.575	0.016X +	0.243Y +	11.65/	2.00	(4.59/	0.79)
83 INTERSCYE, MAXIMUM	.540	0.157X +	0.258Y +	10.50/	2.77	(4.13/	1.09)
84 BACK CURVATURE	.627	0.038X +	0.328Y +	8.90/	2.38	(3.51/	0.94)
85 WAIST BACK	.395	0.192X +	0.008Y +	20.54/	2.04	(8.09/	0.80)
86 ANTERIOR WAIST LTH	.416	0.057X +	0.125Y +	16.65/	1.78	(6.55/	0.70)
87 SLEEVE INSEAM	.744	0.410X -	0.046Y +	7.14/	1.61	(2.81/	0.63)
88 SPINE-TO-SCYE LGTH	.442	0.041X +	0.093Y +	7.91/	1.22	(3.11/	0.48)
89 SPINE-TO-ELBOW LTH	.705	0.320X +	0.108Y +	11.54/	1.71	(4.54/	0.67)
90 SPINE-TO-WRIST LTH	.783	0.527X +	0.112Y +	16.69/	2.07	(6.57/	0.81)

TABLE XXVII

MULTIPLE CORRELATION COEFFICIENTS AND REGRESSION EQUATIONS BASED ON WAIST HEIGHT AND BUST CIRCUMFERENCE

	MULT CORR	EQUATIONS A	B	C	STD ERR EST	ENGLISH UNITS C	S.E.
91 HAND LENGTH	.605	0.126X +	0.008Y +	5.03/	0.76 (	1.98/	0.30)
92 HAND BREADTH	.401	0.025X +	0.015Y +	3.70/	0.36 (	1.46/	0.14)
93 HAND CIRCUMFERENCE	.439	0.050X +	0.049Y +	8.91/	0.82 (	3.51/	0.32)
94 FOOT LENGTH	.690	0.163X +	0.024Y +	5.57/	0.82 (	2.19/	0.32)
95 FOOT BREADTH	.364	0.034X +	0.012Y +	4.38/	0.46 (	1.72/	0.18)
96 HEAD LENGTH	.327	0.040X +	0.017Y +	12.87/	0.64 (	5.07/	0.25)
97 HEAD BREADTH	.265	0.009X +	0.025Y +	11.37/	0.57 (	4.48/	0.23)
98 HEAD CIRCUMFERENCE	.369	0.092X +	0.061Y +	40.17/	1.51 (	15.81/	0.59)
99 TRAGION-TOP HEAD	.226	0.031X +	0.013Y +	8.45/	0.74 (	3.33/	0.29)
100 ECTOCANTHUS-TOP HD	.198	0.038X +	0.006Y +	7.42/	0.90 (	2.92/	0.35)
101 PRONASALE-TOP HEAD	.193	0.049X +	0.004Y +	9.49/	1.15 (	3.74/	0.45)
102 SUBNASALE-TOP HEAD	.236	0.056X +	0.006Y +	9.76/	1.07 (	3.84/	0.42)
103 STOMION-TOP HEAD	.247	0.060X +	0.004Y +	11.45/	1.09 (	4.51/	0.43)
104 MENTON-TOP HEAD	.309	0.072X +	0.013Y +	13.52/	1.08 (	5.32/	0.43)
105 TRAGION TO WALL	.225	0.031X +	0.020Y +	5.27/	0.88 (	2.07/	0.35)
106 ECTOCANTHUS-WALL	.289	0.043X +	0.028Y +	9.54/	0.93 (	3.76/	0.36)
107 PRONASALE TO WALL	.349	0.050X +	0.035Y +	13.03/	0.90 (	5.13/	0.35)
108 SUBNASALE TO WALL	.311	0.045X +	0.032Y +	12.28/	0.93 (	4.83/	0.37)
109 LIP PROTRUSION-WALL	.264	0.037X +	0.033Y +	12.63/	1.02 (	4.97/	0.40)
110 MENTON TO WALL	.298	0.021X +	0.053Y +	11.37/	1.08 (	4.48/	0.43)
111 SAGITTAL CURVATURE	.241	0.064X +	0.028Y +	25.86/	1.44 (	10.18/	0.57)
112 BITRAGION-CORONAL	.269	0.053X +	0.042Y +	24.84/	1.35 (	9.78/	0.53)
113 BIOCULAR BREADTH	.236	0.020X +	0.009Y +	6.86/	0.48 (	2.70/	0.19)
114 BIAURICULAR BRDTH	.188	0.022X +	0.022Y +	11.65/	0.93 (	4.59/	0.37)
115 BITRAGION BREADTH	.345	0.017X +	0.024Y +	9.03/	0.47 (	3.56/	0.18)
116 BIZYGOMATIC BRDTH	.307	0.018X +	0.024Y +	8.94/	0.55 (	3.52/	0.22)
117 BIGONIAL BREADTH	.316	0.010X +	0.028Y +	6.67/	0.53 (	2.63/	0.21)
118 NASAL BREADTH	.084	0.004X +	0.003Y +	2.52/	0.33 (	0.99/	0.13)
119 LIP LENGTH	.102	0.008X +	0.003Y +	3.31/	0.42 (	1.30/	0.16)
120 MENTON-SUBNASALE L	.189	0.016X +	0.008Y +	3.22/	0.50 (	1.27/	0.20)
121 MENTON-SELLION LTH	.258	0.026X +	0.014Y +	6.77/	0.59 (	2.66/	0.23)
122 SUBNASALE-SELLION	.168	0.010X +	0.007Y +	2.92/	0.40 (	1.15/	0.16)
123 EAR LENGTH	.280	0.009X +	0.019Y +	2.63/	0.43 (	1.04/	0.17)
124 EAR BREADTH	.138	0.006X +	0.005Y +	1.93/	0.33 (	0.76/	0.13)

TABLE XXVII

MULTIPLE CORRELATION COEFFICIENTS AND REGRESSION EQUATIONS BASED ON WAIST HEIGHT AND WAIST CIRCUMFERENCE

	MULT CORR	EQUATIONS A	B	C	STD ERR EST	ENGLISH UNITS C	S.E.
1 AGE	.235	-0.026X +	0.281Y +	7.15/	6.27	(2.82/	2.47)
2 WEIGHT	.880	0.531X +	1.027Y -	64.60/	3.56		
(WEIGHT IN LB/IN		2.976X +	5.751Y -	142.52/	7.86)		
3 TRICEPS SKINFOLD	.545	-0.007X +	0.055Y -	1.09/	0.46	(-0.43/	0.18)
4 SUBSCAPULAR SKINFD	.659	-0.015X +	0.060Y -	1.24/	0.36	(-0.49/	0.14)
5 SUPRAILIAC SKINFLD	.642	-0.007X +	0.083Y -	2.90/	0.54	(-1.14/	0.21)
6 MEDIAL CALF SKINFD	.296	-0.007X +	0.029Y +	0.35/	0.49	(0.14/	0.19)
7 STATURE	.916	1.199X +	0.071Y +	37.10/	2.41	(14.61/	0.95)
8 STATURE, MAXIMUM	.918	1.206X +	0.069Y +	37.17/	2.39	(14.64/	0.94)
9 CERVICALE HEIGHT	.930	1.115X +	0.077Y +	22.21/	2.03	(8.74/	0.80)
10 ACROMIAL HEIGHT	.924	1.091X +	0.100Y +	15.74/	2.09	(6.20/	0.82)
11 SUPRASTERNALE HGHT	.934	1.074X +	0.078Y +	19.06/	1.90	(7.50/	0.75)
12 BUST POINT HEIGHT	.897	1.040X +	0.002Y +	13.89/	2.30	(5.47/	0.91)
14 ABDOMINAL EXT HGT	.948	0.939X -	0.028Y +	0.87/	1.41	(0.34/	0.56)
15 TROCHANTERIC HGHT	.897	0.840X +	0.034Y -	3.85/	1.88	(-1.51/	0.74)
16 BUTTOCK HEIGHT	.892	0.809X +	0.050Y -	2.27/	1.88	(-0.89/	0.74)
17 GLUTEAL FURROW HGT	.864	0.765X -	0.013Y -	3.14/	1.99	(-1.24/	0.78)
18 TIBIALE HEIGHT	.831	0.438X +	0.003Y -	2.14/	1.32	(-0.84/	0.52)
19 CROTCH HEIGHT	.909	0.814X +	0.003Y -	7.32/	1.68	(-2.88/	0.66)
20 ANKLE HEIGHT	.318	0.091X +	0.012Y +	1.25/	1.28	(0.49/	0.51)
21 LAT'L MALLEOLUS HT	.409	0.053X +	0.002Y +	1.32/	0.54	(0.52/	0.21)
22 SITTING HT,RELAXED	.600	0.418X +	0.044Y +	39.40/	2.60	(15.51/	1.02)
23 SITTING HEIGHT	.614	0.411X +	0.056Y +	40.62/	2.50	(15.99/	0.98)
24 EYE HEIGHT,SITTING	.567	0.370X +	0.042Y +	33.78/	2.52	(13.30/	0.99)
25 MIDSHOULDER HT,SIT	.583	0.305X +	0.084Y +	21.77/	2.16	(8.57/	0.85)
26 WAIST HGHT,SITTING	.429	0.151X +	0.034Y +	5.94/	1.57	(2.34/	0.62)
27 ELBOW REST HEIGHT	.071	0.017X +	0.026Y +	19.25/	2.46	(7.58/	0.97)
28 POPLITEAL HEIGHT	.762	0.315X +	0.002Y +	9.33/	1.20	(3.67/	0.47)
29 BUTTOCK-POPLIT'L L	.745	0.401X +	0.117Y -	0.36/	1.84	(-0.14/	0.72)
30 BUTTOCK-KNEE LNGTH	.859	0.432X +	0.143Y +	4.50/	1.35	(1.77/	0.53)
31 ACROMION-RADIALE L	.755	0.261X +	0.032Y +	2.68/	1.07	(1.06/	0.42)
32 RADIALE-STYLION L	.700	0.209X +	0.012Y +	1.62/	0.98	(0.64/	0.38)
33 THUMB-TIP REACH	.667	0.532X +	0.103Y +	13.86/	2.89	(5.46/	1.14)
34 THUMB-TIP,EXTENDED	.627	0.630X +	0.120Y +	12.59/	3.80	(4.96/	1.50)
35 OVERHEAD REACH	.838	1.554X +	0.116Y +	35.60/	4.67	(14.01/	1.84)
36 NECK CIRCUMFERENCE	.556	0.054X +	0.154Y +	17.98/	1.39	(7.08/	0.55)
37 SHOULDER CIRCUMFER	.785	0.150X +	0.698Y +	38.46/	3.13	(15.14/	1.25)
38 CHEST CIRC AT SCYE	.793	0.094X +	0.696Y +	28.05/	3.03	(11.04/	1.19)
39 BUST CIRCUMFERENCE	.797	0.065X +	0.816Y +	28.37/	3.44	(11.17/	1.35)
40 CHEST C BELOW BUST	.795	0.080X +	0.688Y +	20.07/	2.95	(7.90/	1.16)
42 ABDOMINAL EXT CIRC	.811	0.038X +	1.070Y +	9.93/	4.26	(3.91/	1.68)
43 HIP C-7"BLW WAIST	.810	0.166X +	0.783Y +	24.37/	3.27	(9.59/	1.29)
44 HIP C-9"BLW WAIST	.742	0.233X +	0.748Y +	21.64/	4.03	(8.52/	1.59)
45 UPPER THIGH CIRCUM	.689	0.089X +	0.509Y +	12.34/	3.06	(4.86/	1.20)

TABLE XXVII

MULTIPLE CORRELATION COEFFICIENTS AND REGRESSION EQUATIONS BASED ON WAIST HEIGHT AND WAIST CIRCUMFERENCE

	MULT CORR	EQUATIONS A	B	C	STD ERR EST	ENGLISH UNITS C	S.E.
46 KNEE CIRCUMFERENCE	.640	0.112X +	0.227Y +	9.82/	1.74 (	3.86/	0.69)
47 CALF CIRCUM, RIGHT	.542	0.064X +	0.204Y +	14.02/	1.89 (	5.52/	0.74)
48 CALF CIRCUM, LEFT	.534	0.068X +	0.203Y +	13.77/	1.93 (	5.42/	0.76)
49 ANKLE CIRCUMFERNCE	.428	0.060X +	0.077Y +	9.89/	1.17 (	3.90/	0.46)
50 VERTICAL TRUNK CIR	.704	0.580X +	0.639Y +	53.32/	4.88 (	20.99/	1.92)
51 VERTICAL TRK C,SIT	.707	0.664X +	0.530Y +	47.86/	4.64 (	18.84/	1.83)
52 BUTTOCK CIRC, SIT	.796	0.252X +	0.813Y +	20.09/	3.68 (	7.91/	1.45)
53 SCYE CIRCUMFERENCE	.735	0.093X +	0.280Y +	8.96/	1.55 (	3.53/	0.61)
54 AXILLARY ARM CIRC	.756	-0.019X +	0.326Y +	7.44/	1.53 (	2.93/	0.60)
55 BICEPS C,RELAXED,R	.723	-0.028X +	0.308Y +	7.72/	1.58 (	3.04/	0.62)
56 BICEPS C,FLEXED, R	.715	-0.017X +	0.305Y +	8.00/	1.62 (	3.15/	0.64)
57 BICEPS C,RELAXED,L	.736	-0.030X +	0.328Y +	6.63/	1.63 (	2.61/	0.64)
58 BICEPS C,FLEXED, L	.725	-0.019X +	0.319Y +	7.01/	1.64 (	2.76/	0.65)
59 ELBOW CIRC, FLEXED	.540	0.115X +	0.127Y +	6.91/	1.50 (	2.72/	0.59)
60 FOREARM C, RELAXED	.693	0.037X +	0.165Y +	8.68/	0.99 (	3.42/	0.39)
61 FOREARM C, FLEXED	.664	0.042X +	0.173Y +	9.14/	1.14 (	3.60/	0.45)
62 WRIST CIRCUMFERNCE	.577	0.047X +	0.056Y +	6.49/	0.58 (	2.55/	0.23)
63 BIACROMIAL BREADTH	.503	0.123X +	0.090Y +	17.46/	1.42 (	6.87/	0.56)
64 BIDELTOID BREADTH	.745	0.053X +	0.302Y +	16.26/	1.54 (	6.40/	0.61)
65 CHEST BREADTH	.688	0.036X +	0.232Y +	8.79/	1.39 (	3.46/	0.55)
66 BUST PT-BUST PT BR	.574	0.027X +	0.155Y +	5.41/	1.27 (	2.13/	0.50)
67 WAIST BREADTH	.890	0.037X +	0.306Y -	0.15/	0.88 (	-0.06/	0.35)
68 HIP BREADTH	.627	0.092X +	0.225Y +	10.62/	1.73 (	4.18/	0.68)
69 THIGH-THIGH BR,SIT	.637	0.041X +	0.323Y +	12.37/	2.20 (	4.87/	0.87)
70 HUMERAL BREADTH, R	.516	0.026X +	0.015Y +	2.52/	0.26 (	0.99/	0.10)
71 HUMERAL BREADTH, L	.524	0.025X +	0.016Y +	2.52/	0.26 (	0.99/	0.10)
72 FEMORAL BREADTH, R	.414	0.024X +	0.023Y +	4.16/	0.41 (	1.64/	0.16)
73 FEMORAL BREADTH, L	.435	0.024X +	0.025Y +	4.05/	0.39 (	1.60/	0.16)
74 CHEST DEPTH	.740	0.027X +	0.255Y +	3.80/	1.30 (	1.50/	0.51)
75 WAIST DEPTH	.846	-0.008X +	0.260Y +	0.34/	0.89 (	0.14/	0.35)
76 ABDOMINAL EXT DPTH	.814	0.008X +	0.313Y -	0.95/	1.23 (	-0.37/	0.48)
77 BUTTOCK DEPTH	.711	0.031X +	0.225Y +	2.92/	1.26 (	1.15/	0.50)
78 THIGH CLEARANCE	.609	0.095X +	0.098Y -	3.68/	0.99 (	-1.45/	0.39)
79 SHOULDER LENGTH	.345	0.072X +	0.016Y +	6.37/	0.96 (	2.51/	0.38)
80 NECK-BUST POINT L	.547	0.043X +	0.177Y +	9.29/	1.58 (	3.66/	0.62)
81 STRAP LENGTH	.627	0.105X +	0.421Y +	26.40/	3.06 (	10.39/	1.20)
82 INTERSCYE	.531	0.022X +	0.231Y +	17.33/	2.07 (	6.82/	0.81)
83 INTERSCYE, MAXIMUM	.529	0.160X +	0.259Y +	15.94/	2.79 (	6.28/	1.10)
84 BACK CURVATURE	.598	0.043X +	0.323Y +	16.13/	2.45 (	6.35/	0.96)
85 WAIST BACK	.405	0.184X +	0.037Y +	19.57/	2.03 (	7.71/	0.80)
86 ANTERIOR WAIST LTH	.408	0.057X +	0.127Y +	19.33/	1.79 (	7.61/	0.70)
87 SLEEVE INSEAM	.739	0.403X -	0.026Y +	5.46/	1.63 (	2.15/	0.64)
88 SPINE-TO-SCYE LGTH	.394	0.045X +	0.082Y +	10.34/	1.25 (	4.07/	0.49)
89 SPINE-TO-ELBOW LTH	.700	0.323X +	0.105Y +	13.87/	1.72 (	5.46/	0.68)
90 SPINE-TO-WRIST LTH	.784	0.526X +	0.121Y +	18.71/	2.06 (	7.36/	0.81)

TABLE XXVII

MULTIPLE CORRELATION COEFFICIENTS AND REGRESSION EQUATIONS BASED ON WAIST HEIGHT AND WAIST CIRCUMFERENCE

	MULT CORR	EQUATIONS A	EQUATIONS B	EQUATIONS C	STD ERR EST	ENGLISH UNITS C	ENGLISH UNITS S.E.
91 HAND LENGTH	.607	0.125X +	0.013Y +	4.97/	0.76 (	1.96/	0.30)
92 HAND BREADTH	.393	0.025X +	0.014Y +	4.11/	0.35 (	1.62/	0.14)
93 HAND CIRCUMFERENCE	.440	0.050X +	0.051Y +	9.88/	0.81 (	3.89/	0.32)
94 FOOT LENGTH	.699	0.160X +	0.034Y +	5.74/	0.81 (	2.26/	0.32)
95 FOOT BREADTH	.387	0.033X +	0.017Y +	4.42/	0.46 (	1.74/	0.18)
96 HEAD LENGTH	.308	0.042X +	0.010Y +	13.53/	0.65 (	5.33/	0.25)
97 HEAD BREADTH	.274	0.008X +	0.027Y +	11.90/	0.57 (	4.68/	0.23)
98 HEAD CIRCUMFERENCE	.374	0.091X +	0.066Y +	41.30/	1.51 (	16.26/	0.59)
99 TRAGION-TOP HEAD	.226	0.031X +	0.014Y +	8.68/	0.74 (	3.42/	0.29)
100 ECTOCANTHUS-TOP HD	.196	0.038X +	0.005Y +	7.62/	0.90 (	3.00/	0.35)
101 PRONASALE-TOP HEAD	.193	0.051X -	0.003Y +	9.85/	1.15 (	3.88/	0.45)
102 SUBNASALE-TOP HEAD	.235	0.057X +	0.002Y +	10.06/	1.07 (	3.96/	0.42)
103 STOMION-TOP HEAD	.246	0.061X +	0.001Y +	11.64/	1.09 (	4.58/	0.43)
104 MENTON-TOP HEAD	.309	0.072X +	0.014Y +	13.75/	1.08 (	5.41/	0.43)
105 TRAGION TO WALL	.217	0.032X +	0.018Y +	5.75/	0.88 (	2.27/	0.35)
106 ECTOCANTHUS-WALL	.286	0.044X +	0.028Y +	10.07/	0.93 (	3.97/	0.37)
107 PRONASALE TO WALL	.333	0.052X +	0.031Y +	13.89/	0.91 (	5.47/	0.36)
108 SUBNASALE TO WALL	.307	0.046X +	0.032Y +	12.90/	0.93 (	5.08/	0.37)
109 LIP PROTRUSION-WALL	.263	0.037X +	0.034Y +	13.31/	1.02 (	5.24/	0.40)
110 MENTON TO WALL	.292	0.021X +	0.054Y +	12.50/	1.09 (	4.92/	0.43)
111 SAGITTAL CURVATURE	.231	0.066X +	0.022Y +	26.69/	1.45 (	10.51/	0.57)
112 BITRAGION-CORONAL	.277	0.052X +	0.047Y +	25.55/	1.35 (	10.06/	0.53)
113 BIOCULAR BREADTH	.241	0.020X +	0.011Y +	6.93/	0.48 (	2.73/	0.19)
114 BIAURICULAR BRDTH	.214	0.020X +	0.030Y +	11.81/	0.93 (	4.65/	0.37)
115 BITRAGION BREADTH	.380	0.016X +	0.029Y +	9.34/	0.46 (	3.68/	0.18)
116 BIZYGOMATIC BRDTH	.336	0.017X +	0.029Y +	9.25/	0.54 (	3.64/	0.21)
117 BIGONIAL BREADTH	.313	0.010X +	0.029Y +	7.23/	0.53 (	2.85/	0.21)
118 NASAL BREADTH	.109	0.003X +	0.005Y +	2.56/	0.33 (	1.01/	0.13)
119 LIP LENGTH	.098	0.008X +	0.002Y +	3.44/	0.42 (	1.36/	0.16)
120 MENTON-SUBNASALE L	.194	0.016X +	0.010Y +	3.26/	0.50 (	1.29/	0.20)
121 MENTON-SELLION LTH	.257	0.027X +	0.014Y +	6.98/	0.59 (	2.75/	0.23)
122 SUBNASALE-SELLION	.159	0.011X +	0.006Y +	3.04/	0.40 (	1.20/	0.16)
123 EAR LENGTH	.265	0.009X +	0.018Y +	3.12/	0.43 (	1.23/	0.17)
124 EAR BREADTH	.135	0.006X +	0.005Y +	2.04/	0.33 (	0.80/	0.13)

TABLE XXVII

MULTIPLE CORRELATION COEFFICIENTS AND REGRESSION EQUATIONS BASED ON WAIST HEIGHT AND HIP CIRCUMFERENCE-SEVEN INCHES BELOW WAIST LEVEL

	MULT CORR	EQUATIONS A	B	C	STD ERR EST	ENGLISH UNITS C	S.E.
1 AGE	.233	-0.055X +	0.280Y +	2.72/	6.27	(1.07/	2.47)
2 WEIGHT	.920	0.397X +	1.098Y -	84.96/	2.95		
(WEIGHT IN LB/IN		2.224X +	6.148Y -	187.32/	6.50)		
3 TRICEPS SKINFOLD	.627	-0.016X +	0.064Y -	2.49/	0.42	(-0.98/	0.17)
4 SUBSCAPULAR SKINFD	.602	-0.019X +	0.055Y -	1.96/	0.39	(-0.77/	0.15)
5 SUPRAILIAC SKINFLD	.583	-0.013X +	0.076Y -	3.84/	0.57	(-1.51/	0.22)
6 MEDIAL CALF SKINFD	.394	-0.014X +	0.038Y -	0.56/	0.47	(-0.22/	0.19)
7 STATURE	.916	1.189X +	0.078Y +	35.57/	2.41	(14.00/	0.95)
8 STATURE, MAXIMUM	.918	1.197X +	0.074Y +	35.78/	2.38	(14.09/	0.94)
9 CERVICALE HEIGHT	.929	1.111X +	0.065Y +	21.70/	2.04	(8.54/	0.80)
10 ACROMIAL HEIGHT	.923	1.086X +	0.086Y +	14.90/	2.11	(5.87/	0.83)
11 SUPRASTERNALE HGHT	.933	1.069X +	0.071Y +	18.16/	1.90	(7.15/	0.75)
12 BUST POINT HEIGHT	.897	1.039X +	0.002Y +	13.94/	2.30	(5.49/	0.91)
14 ABDOMINAL EXT HGT	.948	0.947X -	0.041Y +	2.03/	1.40	(0.80/	0.55)
15 TROCHANTERIC HGHT	.896	0.850X +	0.001Y -	2.66/	1.89	(-1.05/	0.74)
16 BUTTOCK HEIGHT	.890	0.815X +	0.020Y -	1.39/	1.90	(-0.55/	0.75)
17 GLUTEAL FURROW HGT	.867	0.781X -	0.052Y -	0.75/	1.97	(-0.29/	0.78)
18 TIBIALE HEIGHT	.832	0.443X -	0.009Y -	1.60/	1.32	(-0.63/	0.52)
19 CROTCH HEIGHT	.911	0.831X -	0.042Y -	4.89/	1.66	(-1.93/	0.65)
20 ANKLE HEIGHT	.315	0.097X -	0.006Y +	2.02/	1.29	(0.80/	0.51)
21 LAT'L MALLEOLUS HT	.409	0.052X +	0.003Y +	1.28/	0.54	(0.50/	0.21)
22 SITTING HT,RELAXED	.611	0.399X +	0.081Y +	36.68/	2.58	(14.44/	1.01)
23 SITTING HEIGHT	.628	0.390X +	0.096Y +	37.50/	2.47	(14.76/	0.97)
24 EYE HEIGHT,SITTING	.584	0.347X +	0.091Y +	30.39/	2.48	(11.96/	0.98)
25 MIDSHOULDER HT,SIT	.598	0.287X +	0.108Y +	19.10/	2.13	(7.52/	0.84)
26 WAIST HGHT,SITTING	.466	0.133X +	0.068Y +	3.66/	1.53	(1.44/	0.60)
27 ELBOW REST HEIGHT	.146	-0.001X +	0.064Y +	16.81/	2.44	(6.62/	0.96)
28 POPLITEAL HEIGHT	.763	0.320X -	0.012Y +	10.08/	1.20	(3.97/	0.47)
29 BUTTOCK-POPLIT'L L	.759	0.380X +	0.139Y -	3.41/	1.80	(-1.34/	0.71)
30 BUTTOCK-KNEE LNGTH	.877	0.408X +	0.168Y +	0.78/	1.27	(0.31/	0.50)
31 ACROMION-RADIALE L	.750	0.263X +	0.019Y +	2.85/	1.08	(1.12/	0.42)
32 RADIALE-STYLION L	.700	0.209X +	0.009Y +	1.59/	0.98	(0.62/	0.38)
33 THUMB-TIP REACH	.658	0.537X +	0.064Y +	14.29/	2.92	(5.63/	1.15)
34 THUMB-TIP,EXTENDED	.623	0.624X +	0.103Y +	11.61/	3.82	(4.57/	1.50)
35 OVERHEAD REACH	.836	1.555X +	0.084Y +	35.43/	4.69	(13.95/	1.85)
36 NECK CIRCUMFERENCE	.510	0.044X +	0.138Y +	16.42/	1.44	(6.46/	0.57)
37 SHOULDER CIRCUMFER	.748	0.092X +	0.661Y +	29.29/	3.41	(11.53/	1.34)
38 CHEST CIRC AT SCYE	.724	0.047X +	0.631Y +	20.45/	3.42	(8.05/	1.35)
39 BUST CIRCUMFERENCE	.722	0.012X +	0.734Y +	19.79/	3.94	(7.79/	1.55)
40 CHEST C BELOW BUST	.707	0.041X +	0.604Y +	13.66/	3.44	(5.38/	1.36)
41 WAIST CIRCUMFERNCE	.800	-0.021X +	0.789Y -	4.57/	3.29	(-1.80/	1.29)
42 ABDOMINAL EXT CIRC	.829	-0.085X +	1.100Y -	8.83/	4.07	(-3.48/	1.60)
44 HIP C-9"BLW WAIST	.940	0.058X +	0.996Y -	3.81/	2.06	(-1.50/	0.81)
45 UPPER THIGH CIRCUM	.866	-0.023X +	0.659Y -	3.92/	2.11	(-1.55/	0.83)

TABLE XXVII

MULTIPLE CORRELATION COEFFICIENTS AND REGRESSION EQUATIONS BASED ON WAIST HEIGHT AND HIP CIRCUMFERENCE-SEVEN INCHES BELOW WAIST LEVEL

	MULT CORR	EQUATIONS A	B	C	STD ERR EST	ENGLISH UNITS C	S.E.
46 KNEE CIRCUMFERENCE	.763	0.064X +	0.289Y +	2.82/	1.46	(1.11/	0.58)
47 CALF CIRCUM, RIGHT	.673	0.019X +	0.265Y +	7.42/	1.66	(2.92/	0.65)
48 CALF CIRCUM, LEFT	.672	0.021X +	0.269Y +	6.94/	1.69	(2.73/	0.67)
49 ANKLE CIRCUMFERNCE	.511	0.042X +	0.103Y +	7.23/	1.11	(2.85/	0.44)
50 VERTICAL TRUNK CIR	.756	0.476X +	0.734Y +	37.96/	4.49	(14.95/	1.77)
51 VERTICAL TRK C,SIT	.743	0.580X +	0.603Y +	35.44/	4.39	(13.95/	1.73)
52 BUTTOCK CIRC, SIT	.935	0.098X +	0.992Y −	2.72/	2.16	(-1.07/	0.85)
53 SCYE CIRCUMFERENCE	.701	0.070X +	0.264Y +	5.36/	1.63	(2.11/	0.64)
54 AXILLARY ARM CIRC	.760	-0.054X +	0.329Y +	2.05/	1.52	(0.81/	0.60)
55 BICEPS C,RELAXED,R	.774	-0.069X +	0.331Y +	1.54/	1.45	(0.61/	0.57)
56 BICEPS C,FLEXED, R	.763	-0.058X +	0.328Y +	1.90/	1.50	(0.75/	0.59)
57 BICEPS C,RELAXED,L	.781	-0.073X +	0.351Y +	0.12/	1.50	(0.05/	0.59)
58 BICEPS C,FLEXED, L	.770	-0.060X +	0.340Y +	0.72/	1.52	(0.28/	0.60)
59 ELBOW CIRC, FLEXED	.528	0.104X +	0.122Y +	5.12/	1.51	(2.02/	0.60)
60 FOREARM C, RELAXED	.712	0.017X +	0.171Y +	5.76/	0.97	(2.27/	0.38)
61 FOREARM C, FLEXED	.682	0.021X +	0.179Y +	6.11/	1.11	(2.40/	0.44)
62 WRIST CIRCUMFERNCE	.564	0.042X +	0.054Y +	5.69/	0.59	(2.24/	0.23)
63 BIACROMIAL BREADTH	.488	0.117X +	0.082Y +	16.43/	1.43	(6.47/	0.56)
64 BIDELTOID BREADTH	.727	0.025X +	0.294Y +	11.84/	1.59	(4.66/	0.63)
65 CHEST BREADTH	.635	0.019X +	0.212Y +	6.24/	1.48	(2.46/	0.58)
66 BUST PT-BUST PT BR	.512	0.019X +	0.136Y +	3.89/	1.33	(1.53/	0.52)
67 WAIST BREADTH	.724	0.031X +	0.242Y −	1.64/	1.33	(-0.65/	0.53)
68 HIP BREADTH	.838	0.029X +	0.324Y +	1.72/	1.21	(0.68/	0.48)
69 THIGH-THIGH BR,SIT	.845	-0.039X +	0.442Y +	0.71/	1.53	(0.28/	0.60)
70 HUMERAL BREADTH, R	.528	0.024X +	0.017Y +	2.14/	0.26	(0.84/	0.10)
71 HUMERAL BREADTH, L	.532	0.023X +	0.016Y +	2.30/	0.26	(0.90/	0.10)
72 FEMORAL BREADTH, R	.442	0.020X +	0.027Y +	3.58/	0.40	(1.41/	0.16)
73 FEMORAL BREADTH, L	.468	0.020X +	0.028Y +	3.51/	0.39	(1.38/	0.15)
74 CHEST DEPTH	.677	0.010X +	0.231Y +	1.01/	1.42	(0.40/	0.56)
75 WAIST DEPTH	.696	-0.016X +	0.212Y −	1.23/	1.20	(-0.49/	0.47)
76 ABDOMINAL EXT DPTH	.778	-0.019X +	0.299Y −	5.20/	1.33	(-2.05/	0.52)
77 BUTTOCK DEPTH	.820	-0.008X +	0.265Y −	2.86/	1.02	(-1.13/	0.40)
78 THIGH CLEARANCE	.673	0.076X +	0.120Y −	6.42/	0.93	(-2.53/	0.36)
79 SHOULDER LENGTH	.344	0.070X +	0.015Y +	6.24/	0.96	(2.46/	0.38)
80 NECK-BUST POINT L	.508	0.030X +	0.163Y +	7.22/	1.63	(2.84/	0.64)
81 STRAP LENGTH	.582	0.076X +	0.385Y +	21.55/	3.19	(8.48/	1.26)
82 INTERSCYE	.482	0.007X +	0.209Y +	14.79/	2.14	(5.82/	0.84)
83 INTERSCYE, MAXIMUM	.510	0.138X +	0.246Y +	12.52/	2.83	(4.93/	1.11)
84 BACK CURVATURE	.556	0.019X +	0.298Y +	12.34/	2.54	(4.86/	1.00)
85 WAIST BACK	.400	0.184X +	0.027Y +	19.53/	2.03	(7.69/	0.80)
86 ANTERIOR WAIST LTH	.369	0.051X +	0.110Y +	18.16/	1.82	(7.15/	0.72)
87 SLEEVE INSEAM	.742	0.411X −	0.040Y +	6.66/	1.62	(2.62/	0.64)
88 SPINE-TO-SCYE LGTH	.373	0.039X +	0.076Y +	9.34/	1.26	(3.68/	0.50)
89 SPINE-TO-ELBOW LTH	.696	0.314X +	0.100Y +	12.47/	1.73	(4.91/	0.68)
90 SPINE-TO-WRIST LTH	.779	0.518X +	0.108Y +	17.53/	2.08	(6.90/	0.82)

TABLE XXVII

MULTIPLE CORRELATION COEFFICIENTS AND REGRESSION EQUATIONS BASED ON WAIST HEIGHT AND HIP CIRCUMFERENCE-SEVEN INCHES BELOW WAIST LEVEL

	MULT CORR	EQUATIONS A	B	C	STD ERR EST	ENGLISH UNITS C	S.E.
91 HAND LENGTH	.604	0.126X +	0.067Y +	5.09/	0.76 (	2.00/	0.30)
92 HAND BREADTH	.387	0.024X +	0.014Y +	3.84/	0.36 (	1.51/	0.14)
93 HAND CIRCUMFERENCE	.417	0.047X +	0.045Y +	9.39/	0.82 (	3.70/	0.32)
94 FOOT LENGTH	.694	0.159X +	0.030Y +	5.32/	0.81 (	2.09/	0.32)
95 FOOT BREADTH	.394	0.030X +	0.019Y +	4.08/	0.46 (	1.61/	0.18)
96 HEAD LENGTH	.317	0.039X +	0.014Y +	13.19/	0.64 (	5.19/	0.25)
97 HEAD BREADTH	.253	0.006X +	0.025Y +	11.57/	0.58 (	4.56/	0.23)
98 HEAD CIRCUMFERENCE	.371	0.085X +	0.065Y +	40.26/	1.51 (	15.85/	0.59)
99 TRAGION-TOP HEAD	.224	0.030X +	0.013Y +	8.50/	0.74 (	3.35/	0.29)
100 ECTOCANTHUS-TOP HD	.196	0.038X +	0.004Y +	7.58/	0.90 (	2.98/	0.35)
101 PRONASALE-TOP HEAD	.193	0.050X +	0.001Y +	9.65/	1.15 (	3.80/	0.45)
102 SUBNASALE-TOP HEAD	.235	0.056X +	0.004Y +	9.92/	1.07 (	3.91/	0.42)
103 STOMION-TOP HEAD	.246	0.060X +	0.002Y +	11.62/	1.09 (	4.58/	0.43)
104 MENTON-TOP HEAD	.310	0.071X +	0.015Y +	13.38/	1.08 (	5.27/	0.43)
105 TRAGION TO WALL	.218	0.030X +	0.019Y +	5.38/	0.88 (	2.12/	0.35)
106 ECTOCANTHUS-WALL	.288	0.041X +	0.029Y +	9.54/	0.93 (	3.76/	0.37)
107 PRONASALE TO WALL	.340	0.048X +	0.034Y +	13.19/	0.90 (	5.19/	0.36)
108 SUBNASALE TO WALL	.304	0.043X +	0.031Y +	12.45/	0.93 (	4.90/	0.37)
109 LIP PROTRUSION-WALL	.252	0.035X +	0.031Y +	12.89/	1.02 (	5.07/	0.40)
110 MENTON TO WALL	.274	0.017X +	0.050Y +	11.85/	1.09 (	4.66/	0.43)
111 SAGITTAL CURVATURE	.237	0.061X +	0.027Y +	26.14/	1.45 (	10.29/	0.57)
112 BITRAGION-CORONAL	.262	0.050X +	0.041Y +	25.07/	1.36 (	9.87/	0.53)
113 BIOCULAR BREADTH	.233	0.019X +	0.009Y +	6.92/	0.48 (	2.73/	0.19)
114 BIAURICULAR BRDTH	.193	0.019X +	0.025Y +	11.59/	0.93 (	4.56/	0.37)
115 BITRAGION BREADTH	.352	0.015X +	0.026Y +	8.95/	0.47 (	3.52/	0.18)
116 BIZYGOMATIC BRDTH	.311	0.015X +	0.026Y +	8.96/	0.55 (	3.53/	0.22)
117 BIGONIAL BREADTH	.286	0.008X +	0.026Y +	6.95/	0.54 (	2.74/	0.21)
118 NASAL BREADTH	.073	0.004X +	0.002Y +	2.61/	0.33 (	1.03/	0.13)
119 LIP LENGTH	.093	0.009X +	0. Y +	3.48/	0.42 (	1.37/	0.17)
120 MENTON-SUBNASALE L	.191	0.015X +	0.009Y +	3.19/	0.50 (	1.26/	0.20)
121 MENTON-SELLION LTH	.253	0.025X +	0.013Y +	6.90/	0.59 (	2.72/	0.23)
122 SUBNASALE-SELLION	.158	0.010X +	0.006Y +	2.98/	0.41 (	1.17/	0.16)
123 EAR LENGTH	.254	0.008X +	0.017Y +	2.84/	0.43 (	1.12/	0.17)
124 EAR BREADTH	.131	0.006X +	0.005Y +	1.91/	0.33 (	0.75/	0.13)

TABLE XXVII

MULTIPLE CORRELATION COEFFICIENTS AND REGRESSION EQUATIONS BASED ON HEAD LENGTH AND HEAD BREADTH

		MULT CORR	EQUATIONS A	EQUATIONS B	EQUATIONS C	STD ERR EST	ENGLISH UNITS C	ENGLISH UNITS S.E.
98	HEAD CIRCUMFERENCE	.777	1.557X +	0.970Y +	12.12/	1.02	(4.77/	0.40)
99	TRAGION-TOP HEAD	.347	0.261X +	0.299Y +	3.58/	0.72	(1.41/	0.28)
100	ECTOCANTHUS-TOP HD	.289	0.347X +	0.165Y +	2.98/	0.88	(1.17/	0.35)
101	PRONASALE-TOP HEAD	.303	0.485X +	0.167Y +	3.41/	1.12	(1.34/	0.44)
102	SUBNASALE-TOP HEAD	.315	0.472X +	0.165Y +	4.83/	1.04	(1.90/	0.41)
103	STOMION-TOP HEAD	.341	0.543X +	0.110Y +	6.23/	1.05	(2.45/	0.42)
104	MENTON-TOP HEAD	.413	0.640X +	0.232Y +	6.76/	1.04	(2.66/	0.41)
105	TRAGION TO WALL	.385	0.514X -	0.044Y +	1.35/	0.83	(0.53/	0.33)
106	ECTOCANTHUS-WALL	.533	0.756X +	0.040Y +	1.87/	0.82	(0.74/	0.32)
107	PRONASALE TO WALL	.581	0.820X +	0.018Y +	5.83/	0.78	(2.30/	0.31)
108	SUBNASALE TO WALL	.523	0.760X -	0.045Y +	6.32/	0.84	(2.49/	0.33)
109	LIP PROTRUSION-WALL	.476	0.746X -	0.040Y +	6.15/	0.93	(2.42/	0.37)
110	MENTON TO WALL	.368	0.609X +	0.048Y +	6.32/	1.06	(2.49/	0.42)
111	SAGITTAL CURVATURE	.489	0.950X +	0.455Y +	10.69/	1.30	(4.21/	0.51)
112	BITRAGION-CORONAL	.476	0.464X +	0.931Y +	11.87/	1.24	(4.67/	0.49)
113	BIOCULAR BREADTH	.282	0.135X +	0.158Y +	4.89/	0.47	(1.93/	0.19)
114	BIAURICULAR BRDTH	.284	0.044X +	0.444Y +	8.58/	0.91	(3.38/	0.36)
115	BITRAGION BREADTH	.594	0.068X +	0.484Y +	4.61/	0.40	(1.82/	0.16)
116	BIZYGOMATIC BRDTH	.500	0.048X +	0.477Y +	5.09/	0.50	(2.00/	0.20)
117	BIGONIAL BREADTH	.348	0.072X +	0.309Y +	4.38/	0.53	(1.72/	0.21)
118	NASAL BREADTH	.251	0.088X +	0.085Y +	0.34/	0.32	(0.13/	0.13)
119	LIP LENGTH	.225	0.089X +	0.112Y +	1.11/	0.41	(0.44/	0.16)
120	MENTON-SUBNASALE L	.259	0.195X -	0.004Y +	2.01/	0.49	(0.79/	0.19)
121	MENTON-SELLION LTH	.341	0.266X +	0.144Y +	3.64/	0.58	(1.43/	0.23)
122	SUBNASALE-SELLION	.248	0.094X +	0.122Y +	1.05/	0.40	(0.41/	0.16)
123	EAR LENGTH	.162	0.093X +	0.048Y +	2.83/	0.44	(1.11/	0.17)
124	EAR BREADTH	.104	0.051X -	0.007Y +	2.14/	0.33	(0.84/	0.13)

TABLE XXVII
MULTIPLE CORRELATION COEFFICIENTS AND REGRESSION EQUATIONS BASED ON HEAD LENGTH AND HEAD CIRCUMFERENCE

		MULT CORR	EQUATIONS A	B	C	STD ERR EST	ENGLISH UNITS C	S.E.
97	HEAD BREADTH	.499	-0.307X +	0.246Y +	6.67/	0.52	(2.63/	0.20)
99	TRAGION-TOP HEAD	.373	0.001X +	0.175Y +	3.11/	0.71	(1.22/	0.28)
100	ECTOCANTHUS-TOP HD	.360	0.054X +	0.187Y +	0.51/	0.86	(0.20/	0.34)
101	PRONASALE-TOP HEAD	.348	0.185X +	0.191Y +	0.88/	1.10	(0.34/	0.43)
102	SUBNASALE-TOP HEAD	.383	0.124X +	0.220Y +	1.56/	1.01	(0.61/	0.40)
103	STOMION-TOP HEAD	.408	0.188X +	0.222Y +	2.18/	1.02	(0.86/	0.40)
104	MENTON-TOP HEAD	.476	0.237X +	0.258Y +	3.39/	1.00	(1.33/	0.39)
105	TRAGION TO WALL	.395	0.393X +	0.070Y -	0.90/	0.83	(-0.36/	0.33)
106	ECTOCANTHUS-WALL	.559	0.527X +	0.141Y -	1.07/	0.80	(-0.42/	0.32)
107	PRONASALE TO WALL	.595	0.646X +	0.106Y +	3.48/	0.77	(1.37/	0.30)
108	SUBNASALE TO WALL	.541	0.562X +	0.117Y +	2.90/	0.83	(1.14/	0.32)
109	LIP PROTRUS'N-WALL	.493	0.547X +	0.118Y +	2.76/	0.92	(1.09/	0.36)
110	MENTON TO WALL	.376	0.480X +	0.081Y +	4.95/	1.05	(1.95/	0.41)
111	SAGITTAL CURVATURE	.597	0.180X +	0.493Y +	4.42/	1.19	(1.74/	0.47)
112	BITRAGION-CORONAL	.561	-0.417X +	0.589Y +	9.28/	1.16	(3.65/	0.46)
113	BIOCULAR BREADTH	.260	0.043X +	0.065Y +	5.31/	0.47	(2.09/	0.19)
114	BIAURICULAR BRDTH	.248	-0.233X +	0.194Y +	9.48/	0.92	(3.73/	0.36)
115	BITRAGION BREADTH	.443	-0.175X +	0.176Y +	6.45/	0.45	(2.54/	0.18)
116	BIZYGOMATIC BRDTH	.325	-0.152X +	0.150Y +	7.47/	0.55	(2.94/	0.22)
117	BIGONIAL BREADTH	.215	-0.037X +	0.084Y +	6.26/	0.55	(2.46/	0.22)
118	NASAL BREADTH	.306	-0.012X +	0.066Y -	0.21/	0.31	(-0.08/	0.12)
119	LIP LENGTH	.210	0.020X +	0.048Y +	1.38/	0.41	(0.54/	0.16)
120	MENTON-SUBNASALE L	.267	0.149X +	0.028Y +	1.26/	0.49	(0.50/	0.19)
121	MENTON-SELLION LTH	.321	0.211X +	0.042Y +	4.44/	0.58	(1.75/	0.23)
122	SUBNASALE-SELLION	.193	0.061X +	0.028Y +	1.89/	0.40	(0.74/	0.16)
123	EAR LENGTH	.192	0.022X +	0.046Y +	2.31/	0.44	(0.91/	0.17)
124	EAR BREADTH	.117	0.025X +	0.016Y +	1.64/	0.33	(0.65/	0.13)

TABLE XXVII

MULTIPLE CORRELATION COEFFICIENTS AND REGRESSION EQUATIONS BASED ON HEAD BREADTH AND HEAD CIRCUMFERENCE

	MULT CORR	EQUATIONS A	B	C	STD ERR EST	ENGLISH UNITS C	S.E.
96 HEAD LENGTH	.721	-0.256X +	0.330Y +	4.02/	0.47 (	1.58/	0.19)
99 TRAGION-TOP HEAD	.389	0.156X +	0.151Y +	2.18/	0.70 (	0.86/	0.28)
100 ECTOCANTHUS-TOP HD	.359	-0.034X +	0.208Y +	0.85/	0.86 (	0.33/	0.34)
101 PRONASALE-TOP HEAD	.341	-0.070X +	0.256Y +	1.73/	1.10 (	0.68/	0.43)
102 SUBNASALE-TOP HEAD	.381	-0.090X +	0.270Y +	2.41/	1.01 (	0.95/	0.40)
103 STOMION-TOP HEAD	.408	-0.175X +	0.303Y +	3.74/	1.02 (	1.47/	0.40)
104 MENTON-TOP HEAD	.467	-0.082X +	0.339Y +	4.50/	1.01 (	1.77/	0.40)
105 TRAGION TO WALL	.361	-0.236X +	0.221Y +	1.47/	0.84 (	0.58/	0.33)
106 ECTOCANTHUS-WALL	.511	-0.251X +	0.333Y +	1.74/	0.83 (	0.68/	0.33)
107 PRONASALE TO WALL	.518	-0.269X +	0.335Y +	6.71/	0.82 (	2.64/	0.32)
108 SUBNASALE TO WALL	.498	-0.336X +	0.333Y +	6.27/	0.85 (	2.47/	0.34)
109 LIP PROTRUSION-WALL	.454	-0.326X +	0.327Y +	6.09/	0.94 (	2.40/	0.37)
110 MENTON TO WALL	.323	-0.160X +	0.245Y +	7.11/	1.08 (	2.80/	0.42)
111 SAGITTAL CURVATURE	.595	-0.074X +	0.557Y +	5.30/	1.20 (	2.09/	0.47)
112 BITRAGION-CORONAL	.580	0.542X +	0.383Y +	5.04/	1.14 (	1.98/	0.45)
113 BIOCULAR BREADTH	.281	0.104X +	0.061Y +	4.82/	0.47 (	1.90/	0.19)
114 BIAURICULAR BRDTH	.301	0.369X +	0.069Y +	6.69/	0.91 (	2.63/	0.36)
115 BITRAGION BREADTH	.611	0.424X +	0.059Y +	3.50/	0.40 (	1.38/	0.16)
116 BIZYGOMATIC BRDTH	.506	0.439X +	0.037Y +	4.50/	0.50 (	1.77/	0.20)
117 BIGONIAL BREADTH	.345	0.285X +	0.029Y +	4.46/	0.53 (	1.76/	0.21)
118 NASAL BREADTH	.309	0.030X +	0.057Y −	0.37/	0.31 (	-0.15/	0.12)
119 LIP LENGTH	.229	0.073X +	0.043Y +	0.96/	0.41 (	0.38/	0.16)
120 MENTON-SUBNASALE L	.239	-0.076X +	0.083Y +	2.09/	0.50 (	0.82/	0.20)
121 MENTON-SELLION LTH	.280	0.072X +	0.091Y +	4.59/	0.59 (	1.81/	0.23)
122 SUBNASALE-SELLION	.221	0.100X +	0.029Y +	1.50/	0.40 (	0.59/	0.16)
123 EAR LENGTH	.191	-0.001X +	0.052Y +	2.40/	0.44 (	0.94/	0.17)
124 EAR BREADTH	.123	-0.033X +	0.028Y +	1.92/	0.33 (	0.76/	0.13)

TABLE XXVII

MULTIPLE CORRELATION COEFFICIENTS AND REGRESSION EQUATIONS BASED ON HEAD BREADTH AND MENTON-SELLION LENGTH

	MULT CORR	EQUATIONS A	B	C	STD ERR EST	ENGLISH UNITS C	S.E.
96 HEAD LENGTH	.317	0.072X +	0.332Y +	13.84/	0.64	(5.45/	0.25)
98 HEAD CIRCUMFERENCE	.475	1.077X +	0.540Y +	33.49/	1.43	(13.19/	0.56)
99 TRAGION-TOP HEAD	.284	0.307X +	0.147Y +	6.71/	0.73	(2.64/	0.29)
100 ECTOCANTHUS-TOP HD	.150	0.194X +	0.095Y +	7.94/	0.91	(3.13/	0.36)
101 PRONASALE-TOP HEAD	.177	0.184X +	0.259Y +	9.34/	1.15	(3.68/	0.45)
102 SUBNASALE-TOP HEAD	.199	0.176X +	0.284Y +	10.34/	1.08	(4.07/	0.42)
103 STOMION-TOP HEAD	.234	0.110X +	0.398Y +	12.00/	1.09	(4.72/	0.43)
104 MENTON-TOP HEAD	.427	0.183X +	0.744Y +	11.34/	1.03	(4.47/	0.41)
105 TRAGION TO WALL	.132	-0.011X +	0.195Y +	8.26/	0.89	(3.25/	0.35)
106 ECTOCANTHUS-WALL	.210	0.084X +	0.309Y +	11.86/	0.95	(4.67/	0.37)
107 PRONASALE TO WALL	.262	0.054X +	0.399Y +	16.16/	0.93	(6.36/	0.37)
108 SUBNASALE TO WALL	.197	-0.002X +	0.316Y +	16.33/	0.96	(6.43/	0.38)
109 LIP PROTRUS'N-WALL	.166	0.007X +	0.286Y +	16.16/	1.04	(6.36/	0.41)
110 MENTON TO WALL	.073	0.118X +	0.055Y +	15.94/	1.13	(6.27/	0.45)
111 SAGITTAL CURVATURE	.265	0.522X +	0.320Y +	23.81/	1.44	(9.37/	0.57)
112 BITRAGION-CORONAL	.445	0.931X +	0.340Y +	16.79/	1.26	(6.61/	0.50)
113 BIOCULAR BREADTH	.247	0.158X +	0.102Y +	6.30/	0.48	(2.48/	0.19)
114 BIAURICULAR BRDTH	.283	0.442X +	0.045Y +	8.94/	0.91	(3.52/	0.36)
115 BITRAGION BREADTH	.593	0.480X +	0.071Y +	5.17/	0.40	(2.03/	0.16)
116 BIZYGOMATIC BRDTH	.500	0.473X +	0.056Y +	5.44/	0.50	(2.14/	0.20)
117 BIGONIAL BREADTH	.346	0.305X +	0.075Y +	4.96/	0.53	(1.95/	0.21)
118 NASAL BREADTH	.203	0.087X +	0.057Y +	1.33/	0.32	(0.52/	0.13)
119 LIP LENGTH	.200	0.111X +	0.069Y +	2.03/	0.41	(0.80/	0.16)
120 MENTON-SUBNASALE L	.639	-0.076X +	0.541Y +	0.89/	0.39	(0.35/	0.15)
122 SUBNASALE-SELLION	.600	0.065X +	0.386Y -	0.50/	0.33	(-0.20/	0.13)
123 EAR LENGTH	.175	0.040X +	0.114Y +	3.44/	0.44	(1.36/	0.17)
124 EAR BREADTH	.117	-0.012X +	0.065Y +	2.46/	0.33	(0.97/	0.13)

TABLE XXVII

MULTIPLE CORRELATION COEFFICIENTS AND REGRESSION EQUATIONS BASED ON HEAD LENGTH AND BITRAGION BREADTH

	MULT CORR	A	B	C	STD ERR EST	ENGLISH UNITS C	S.E.
97 HEAD BREADTH	.587	0.020X +	0.693Y +	5.21/	0.48 (	2.05/	0.19)
98 HEAD CIRCUMFERENCE	.755	1.539X +	0.994Y +	13.72/	1.06 (	5.40/	0.42)
99 TRAGION-TOP HEAD	.282	0.271X +	0.174Y +	5.49/	0.73 (	2.16/	0.29)
100 ECTOCANTHUS-TOP HD	.278	0.349X +	0.130Y +	3.66/	0.88 (	1.44/	0.35)
101 PRONASALE-TOP HEAD	.305	0.476X +	0.218Y +	3.19/	1.12 (	1.25/	0.44)
102 SUBNASALE-TOP HEAD	.321	0.460X +	0.241Y +	4.34/	1.04 (	1.71/	0.41)
103 STOMION-TOP HEAD	.349	0.529X +	0.220Y +	5.25/	1.05 (	2.07/	0.41)
104 MENTON-TOP HEAD	.416	0.629X +	0.300Y +	6.46/	1.04 (	2.54/	0.41)
105 TRAGION TO WALL	.385	0.514X -	0.037Y +	1.19/	0.83 (	0.47/	0.33)
106 ECTOCANTHUS-WALL	.538	0.742X +	0.151Y +	0.76/	0.82 (	0.30/	0.32)
107 PRONASALE TO WALL	.585	0.806X +	0.136Y +	4.60/	0.78 (	1.81/	0.31)
108 SUBNASALE TO WALL	.526	0.742X +	0.115Y +	4.52/	0.83 (	1.78/	0.33)
109 LIP PROTRUSION-WALL	.477	0.732X +	0.084Y +	4.74/	0.93 (	1.87/	0.37)
110 MENTON TO WALL	.381	0.586X +	0.237Y +	4.39/	1.05 (	1.73/	0.41)
111 SAGITTAL CURVATURE	.474	0.948X +	0.408Y +	12.07/	1.31 (	4.75/	0.52)
112 BITRAGION-CORONAL	.381	0.469X +	0.767Y +	15.40/	1.30 (	6.06/	0.51)
113 BIOCULAR BREADTH	.401	0.111X +	0.341Y +	3.23/	0.45 (	1.27/	0.18)
114 BIAURICULAR BRDTH	.375	0.006X +	0.712Y +	6.55/	0.88 (	2.58/	0.35)
116 BIZYGOMATIC BRDTH	.716	0. X +	0.828Y +	2.23/	0.40 (	0.88/	0.16)
117 BIGONIAL BREADTH	.528	0.035X +	0.585Y +	2.00/	0.48 (	0.79/	0.19)
118 NASAL BREADTH	.255	0.084X +	0.107Y +	0.27/	0.32 (	0.11/	0.13)
119 LIP LENGTH	.210	0.087X +	0.115Y +	1.29/	0.41 (	0.51/	0.16)
120 MENTON-SUBNASALE L	.259	0.193X +	0.012Y +	1.83/	0.49 (	0.72/	0.19)
121 MENTON-SELLION LTH	.340	0.260X +	0.172Y +	3.62/	0.58 (	1.43/	0.23)
122 SUBNASALE-SELLION	.247	0.089X +	0.145Y +	1.04/	0.40 (	0.41/	0.16)
123 EAR LENGTH	.197	0.084X +	0.116Y +	2.20/	0.44 (	0.86/	0.17)
124 EAR BREADTH	.138	0.043X +	0.062Y +	1.39/	0.33 (	0.55/	0.13)

with the standard error of estimate equaling 3.73 kg or 8.22 lb.

The several groups of predictors — primarily combinations of a measure of body linearity with a measure of body mass — in this table and the pages on which they start are:

(a) Stature and weight, page 456.
(b) Stature and bust circumference, page 459.
(c) Stature and waist circumference, page 462.
(d) Stature and hip circumference-seven inches below waist, page 465.
(e) Cervicale height and weight, page 468.
(f) Cervicale height and bust circumference, page 471.
(g) Cervicale height and waist circumference, page 474.
(h) Cervicale height and hip circumference-seven inches below waist, page 477.
(i) Waist height and weight, page 480.
(j) Waist height and bust circumference, page 483.
(k) Waist height and waist circumference, page 486.
(l) Waist height and hip circumference-seven inches below waist, page 489.
(m) Various head and face measurements, page 492.

Stepwise Regression Equations: Table XXVIII and XXIX.

One of the most useful statistical tools to emerge from the application of the computer to procedures which has previously been ignored because of the computational labor involved, is that generally known as the stepwise regression procedure. The function of this procedure is to determine which combination of predictors of a given size will provide the best regression equation for any specified variable.

The computer program for the stepwise equations proceeds in this fashion to select a set of equations for a specified variable, say weight (table XXVIII, page 500). The variable with the highest correlation with weight is determined by inspection of the correlation matrix; the equation based on this variable (buttock circumference, sitting) is, of course, the best single predictor equation for weight, and the equation as given in the first column after the names in the table agrees with that given in table XXVII. To proceed to the two-predictor equation, the partial correlations for each variable with weight with buttock circumference, sitting 'partialed out' are computed. The variable with the highest partial correlation is chosen as the second variable and an equation based on this variable (shoulder circumference) and the one previously chosen is computed, and listed in the second column after the names in the table. This procedure—all the variables already chosen are partialed out at each point—usually continues until an equation with a pre-stated number of variables has been chosen. In tables XXVIII and XXIX, this number was arbitrarily set at eight. Since the pattern is the same throughout these tables, it may be useful to write out the eight equations for weight in detail (units here as in tables XXVIII and XXIX in kilograms and centimeters).

1) Weight = 1.117 buttock circumference, sitting −53.96.

2) Weight = 0.780 buttock circumference, sitting
+ 0.542 shoulder circumference −74.69

3) Weight = 0.702 buttock circumference, sitting
+ 0.510 shoulder circumference
+ 0.277 cervicale height −102.23

4) Weight = 0.559 buttock circumference, sitting
+ 0.461 shoulder circumference
+ 0.270 cervicale height
+ 0.714 calf circumference, right −106.42

5) Weight = 0.477 buttock circumference, sitting
+ 0.273 shoulder circumference
+ 0.284 cervicale height
+ 0.761 calf circumference, right
+ 0.269 bust circumference −107.03

6) Weight = 0.420 buttock circumference, sitting
+ 0.190 shoulder circumference
+ 0.321 cervicale height
+ 0.642 calf circumference, right
+ 0.235 bust circumference
+ 0.527 biceps circumference, right, flexed −105.15

7) Weight = 0.338 buttock circumference, sitting
+ 0.189 shoulder circumference
+ 0.332 cervicale height
+ 0.662 calf circumference, right
+ 0.185 bust circumference
+ 0.469 biceps circumference, right, flexed
+ 0.452 abdominal extension depth −102.47

8) Weight = 0.248 buttock circumference, sitting
+ 0.181 shoulder circumference
+ 0.342 cervicale height
+ 0.577 calf circumference, right
+ 0.189 bust circumference
+ 0.409 biceps circumference, right, flexed
+ 0.449 abdominal extension depth
+ 0.216 upper thigh circumference −101.83

The correlation coefficients are, successively, 0.904, 0.938, 0.956, 0.969, 0.976, 0.980, 0.982, 0.984.

Using one predictor we can estimate weight within (±2x standard error of estimate giving 95% confidence limits) about 6.4 kilograms (or 14 pounds); using two predictors our estimates can be expected to be within about 5.2 kg (or 11.5 lb); with three predictors, within 4.4 kg (or 10 pounds), and so forth.

The units are kilograms and centimeters in all cases.

There is no absolute guarantee that this procedure will work perfectly, but there seems to be every reason to believe that the equations it gives are at least exceedingly close to optimal for data such as ours. The program, incidentally, is designed to eliminate variables introduced in the early equations if, with the inclusion of other variables, the presence of earlier ones in the equation no longer reduces the standard error by at least some minimum amount. No such eliminations took place in the computation of these tables.

In preparing these tables, each left side measurement (biceps circumference, flexed; biceps circumference, relaxed; calf circumference; femoral breadth; and humeral breadth) was ruled out as a predictor of the corresponding right side measurement and vice versa.

Stature, maximum and sitting height, relaxed were similarly ruled out as predictors of stature and sitting height, respectively.

Table XXIX differs from table XXVIII in that stature and weight have been specified as always being the first two variables in the former. Thus, what columns 3 through 8 in this table actually provide are the regression equations which provide the best estimates of each variable, based on *1, 2 . . ., 6 variables in addition to stature and weight.* Since in almost any anthropometric study, stature and weight will be measured, this table provides a basis for judging what other measures must be made in order to provide regression estimates of some desired level of accuracy.

The equations which do not involve weight can, like those in table XXVI, be easily converted from metric units to English units. All that is necessary is to multiply the constant term and the standard error of estimate by 0.3937. When weight is involved the conversion is a little more involved. If weight is the variable being predicted, the coefficients of each predictor variable should be multiplied by 5.6 and both the constant term and the standard error of estimate multiplied by 2.2. When a linear measure is being predicted, the coefficient of weight is divided by 5.6, and, as in the case when weight is not involved, the constant term and the standard error of estimate are multiplied by 0.3937.

TABLE XXVIII

STEPWISE MULTIPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING AGE — NO. 1

	CONSTANT	-11.466	-22.909	-31.462	-28.160	-27.746	-33.687	-22.753	-23.126
81	STRAP LENGTH	0.535	0.479	0.419	0.527	0.353	0.420	0.433	0.375
122	SUBNASALE-SELLION		3.320	2.944	2.909	2.894	2.562	2.682	2.655
123	EAR LENGTH			2.707	2.968	2.529	2.300	2.388	2.154
78	THIGH CLEARANCE				-0.929	-1.462	-1.312	-0.981	-1.164
58	BICEPS C,FLEXED, L					0.751	0.986	1.142	0.890
5	SUPRAILIAC SKINFLD						-1.938	-2.110	-2.616
49	ANKLE CIRCUMFERNCE							-0.982	-0.948
76	ABDOMINAL EXT DPTH								0.706
	MULTIPLE CORRELATIONS	0.326	0.387	0.427	0.458	0.502	0.529	0.555	0.574
	ST ERRORS OF ESTIMATE	6.102	5.953	5.840	5.743	5.586	5.483	5.378	5.295

EQUATIONS FOR ESTIMATING WEIGHT — NO. 2

	CONSTANT	-53.96	-74.69	-102.23	-106.42	-107.03	-105.15	-102.47	-101.83
52	BUTTOCK CIRC, SIT	1.117	0.780	0.702	0.559	0.477	0.420	0.338	0.248
37	SHOULDER CIRCUMFER		0.542	0.510	0.461	0.273	0.190	0.189	0.181
9	CERVICALE HEIGHT			0.277	0.270	0.284	0.321	0.332	0.342
47	CALF CIRCUM, RIGHT				0.714	0.761	0.642	0.662	0.577
39	BUST CIRCUMFERENCE					0.269	0.235	0.185	0.189
56	BICEPS C,FLEXED, R						0.527	0.469	0.409
76	ABDOMINAL EXT DPTH							0.452	0.449
45	UPPER THIGH CIRCUM								0.216
	MULTIPLE CORRELATIONS	0.904	0.938	0.956	0.969	0.976	0.980	0.982	0.984
	ST ERRORS OF ESTIMATE	3.218	2.610	2.199	1.857	1.651	1.516	1.418	1.350

EQUATIONS FOR ESTIMATING TRICEPS SKINFOLD — NO. 3

	CONSTANT	-2.451	-2.233	-1.771	-1.531	-0.782	-1.060	-0.619	-0.729
55	BICEPS C,RELAXED,R	0.170	0.145	0.115	0.101	0.123	0.109	0.113	0.108
6	MEDIAL CALF SKINFD		0.265	0.227	0.225	0.206	0.188	0.182	0.168
5	SUPRAILIAC SKINFLD			0.186	0.133	0.147	0.141	0.139	0.137
4	SUBSCAPULAR SKINFD				0.176	0.206	0.210	0.189	0.196
38	CHEST CIRC AT SCYE					-0.016	-0.018	-0.015	-0.016
69	THIGH-THIGH BR,SIT						0.022	0.022	0.016
92	HAND BREADTH							-0.100	-0.116
46	KNEE CIRCUMFERENCE								0.019
	MULTIPLE CORRELATIONS	0.717	0.753	0.777	0.784	0.790	0.794	0.796	0.798
	ST ERRORS OF ESTIMATE	0.379	0.358	0.343	0.338	0.334	0.332	0.330	0.329

TABLE XXVIII

STEPWISE MULTIPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING SUBSCAPULAR SKINFOLD NO. 4

	CONSTANT	-2.583	-1.728	-1.998	-0.859	-0.655	-0.831	-0.880	-1.120
54	AXILLARY ARM CIRC	0.141	0.091	0.066	0.078	0.065	0.055	0.059	0.046
5	SUPRAILIAC SKINFLD		0.262	0.228	0.220	0.192	0.178	0.182	0.181
76	ABDOMINAL EXT DPTH			0.049	0.051	0.047	0.034	0.040	0.037
71	HUMERAL BREADTH, L				-0.245	-0.238	-0.256	-0.214	-0.234
3	TRICEPS SKINFOLD					0.131	0.135	0.141	0.152
74	CHEST DEPTH						0.036	0.037	0.027
78	THIGH CLEARANCE							-0.039	-0.040
38	CHEST CIRC AT SCYE								0.012
	MULTIPLE CORRELATIONS	0.681	0.741	0.755	0.768	0.775	0.780	0.784	0.787
	ST ERRORS OF ESTIMATE	0.355	0.326	0.318	0.311	0.307	0.304	0.301	0.300

EQUATIONS FOR ESTIMATING SUPRAILIAC SKINFOLD NO. 5

	CONSTANT	0.747	-1.969	-1.836	-1.719	-2.274	-1.120	-1.340	-1.027
4	SUBSCAPULAR SKINFD	0.953	0.609	0.447	0.448	0.438	0.429	0.395	0.399
41	WAIST CIRCUMFERNCE		0.047	0.039	0.043	0.038	0.040	0.033	0.038
3	TRICEPS SKINFOLD			0.322	0.328	0.318	0.315	0.273	0.270
1	AGE				-0.017	-0.019	-0.019	-0.019	-0.019
80	NECK-BUST POINT L					0.038	0.040	0.037	0.037
111	SAGITTAL CURVATURE						-0.038	-0.040	-0.040
54	AXILLARY ARM CIRC							0.035	0.039
84	BACK CURVATURE								-0.018
	MULTIPLE CORRELATIONS	0.659	0.717	0.742	0.758	0.762	0.766	0.769	0.772
	ST ERRORS OF ESTIMATE	0.527	0.489	0.470	0.458	0.455	0.451	0.449	0.447

EQUATIONS FOR ESTIMATING MEDIAL CALF SKINFOLD NO. 6

	CONSTANT	0.672	-1.027	0.165	-0.069	0.606	0.916	1.322	1.141
3	TRICEPS SKINFOLD	0.485	0.373	0.350	0.299	0.347	0.299	0.297	0.293
47	CALF CIRCUM, RIGHT		0.056	0.071	0.042	0.050	0.051	0.050	0.051
94	FOOT LENGTH			-0.069	-0.085	-0.072	-0.070	-0.063	-0.058
46	KNEE CIRCUMFERENCE				0.047	0.054	0.052	0.054	0.054
37	SHOULDER CIRCUMFER					-0.016	-0.020	-0.019	-0.017
5	SUPRAILIAC SKINFLD						0.088	0.091	0.083
113	BIOCULAR BREADTH							-0.074	-0.071
125	GRIP STRENGTH								-0.006
	MULTIPLE CORRELATIONS	0.511	0.554	0.571	0.582	0.594	0.600	0.604	0.607
	ST ERRORS OF ESTIMATE	0.444	0.430	0.425	0.421	0.416	0.414	0.412	0.411

TABLE XXVIII

STEPWISE MULTIPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING STATURE NO. 7

	CONSTANT	14.138	6.949	6.647	6.362	4.928	4.892	3.598	3.484
9	CERVICALE HEIGHT	1.063	0.940	0.541	0.452	0.482	0.418	0.425	0.423
23	SITTING HEIGHT		0.284	0.264	0.361	0.473	0.520	0.499	0.515
11	SUPRASTERNALE HGHT			0.436	0.375	0.368	0.268	0.258	0.259
17	GLUTEAL FURROW HGT				0.175	0.156	0.140	0.141	0.142
25	MIDSHOULDER HT,SIT					-0.178	-0.257	-0.239	-0.223
10	ACROMIAL HEIGHT						0.181	0.176	0.175
104	MENTON-TOP HEAD							0.136	0.130
26	WAIST HGHT,SITTING								-0.079
	MULTIPLE CORRELATIONS	0.977	0.982	0.986	0.988	0.988	0.989	0.989	0.989
	ST ERRORS OF ESTIMATE	1.276	1.130	0.992	0.942	0.916	0.892	0.881	0.874

EQUATIONS FOR ESTIMATING STATURE, MAXIMUM NO. 8

	CONSTANT	14.087	6.801	6.382	5.860	4.839	4.935	3.581	3.733
9	CERVICALE HEIGHT	1.068	0.942	0.541	0.457	0.487	0.423	0.429	0.403
23	SITTING HEIGHT		0.290	0.270	0.362	0.472	0.519	0.501	0.516
11	SUPRASTERNALE HGHT			0.439	0.381	0.374	0.273	0.264	0.234
17	GLUTEAL FURROW HGT				0.155	0.146	0.130	0.131	0.115
25	MIDSHOULDER HT,SIT					-0.177	-0.256	-0.239	-0.220
10	ACROMIAL HEIGHT						0.181	0.177	0.165
104	MENTON-TOP HEAD							0.124	0.118
14	ABDOMINAL EXT HGT								0.085
	MULTIPLE CORRELATIONS	0.979	0.984	0.988	0.989	0.990	0.990	0.991	0.991
	ST ERRORS OF ESTIMATE	1.239	1.081	0.935	0.887	0.860	0.835	0.825	0.816

EQUATIONS FOR ESTIMATING CERVICALE HEIGHT NO. 9

	CONSTANT	-6.789	-3.485	-1.335	-1.601	-1.661	-1.328	-1.915	-2.100
8	STATURE, MAXIMUM	0.897	0.615	0.586	0.521	0.456	0.452	0.424	0.412
10	ACROMIAL HEIGHT		0.323	0.260	0.245	0.197	0.190	0.227	0.218
19	CROTCH HEIGHT			0.145	0.205	0.125	0.088	0.084	0.122
85	WAIST BACK				0.208	0.269	0.274	0.262	0.282
13	WAIST HEIGHT					0.204	0.187	0.176	0.146
18	TIBIALE HEIGHT						0.131	0.125	0.137
79	SHOULDER LENGTH							0.164	0.157
26	WAIST HGHT,SITTING								0.098
	MULTIPLE CORRELATIONS	0.979	0.983	0.984	0.986	0.987	0.988	0.988	0.988
	ST ERRORS OF ESTIMATE	1.136	1.023	0.981	0.915	0.876	0.861	0.849	0.838

TABLE XXVIII

STEPWISE MULTIPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING ACROMIAL HEIGHT — NO. 10

	CONSTANT	-0.141	-2.668	-0.010	-1.907	2.099	0.629	-0.338	0.026
11	SUPRASTERNALE HGHT	1.000	0.552	0.534	0.533	0.565	0.423	0.409	0.329
9	CERVICALE HEIGHT		0.443	0.493	0.441	0.446	0.255	0.244	0.234
79	SHOULDER LENGTH			-0.494	-0.479	-0.432	-0.422	-0.416	-0.397
25	MIDSHOULDER HT,SIT				0.156	0.371	0.442	0.443	0.432
23	SITTING HEIGHT					-0.258	-0.398	-0.359	-0.324
8	STATURE, MAXIMUM						0.335	0.298	0.257
31	ACROMION-RADIALE L							0.222	0.226
12	BUSTPOINT HEIGHT								0.131
	MULTIPLE CORRELATIONS	0.967	0.973	0.976	0.978	0.980	0.982	0.983	0.983
	ST ERRORS OF ESTIMATE	1.394	1.271	1.182	1.145	1.090	1.048	1.022	0.998

EQUATIONS FOR ESTIMATING SUPRASTERNALE HEIGHT — NO. 11

	CONSTANT	-7.636	-3.503	-2.218	-4.904	-3.740	-3.979	-3.668	-2.888
8	STATURE, MAXIMUM	0.858	0.515	0.455	0.381	0.342	0.321	0.278	0.240
10	ACROMIAL HEIGHT		0.392	0.293	0.217	0.180	0.189	0.154	0.161
12	BUSTPOINT HEIGHT			0.182	0.330	0.296	0.239	0.164	0.197
81	STRAP LENGTH				0.111	0.117	0.083	0.039	0.087
14	ABDOMINAL EXT HGT					0.147	0.207	0.072	0.060
86	ANTERIOR WAIST LTH						0.174	0.324	0.343
13	WAIST HEIGHT							0.305	0.321
39	BUST CIRCUMFERENCE								-0.041
	MULTIPLE CORRELATIONS	0.974	0.981	0.983	0.985	0.986	0.987	0.989	0.989
	ST ERRORS OF ESTIMATE	1.195	1.034	0.982	0.929	0.892	0.852	0.796	0.782

EQUATIONS FOR ESTIMATING BUSTPOINT HEIGHT — NO. 12

	CONSTANT	-3.914	6.538	6.455	4.799	4.333	2.776	0.361	0.961
11	SUPRASTERNALE HGHT	0.926	0.999	0.662	0.693	0.662	0.581	0.477	0.461
81	STRAP LENGTH		-0.308	-0.306	-0.402	-0.231	-0.201	-0.218	-0.213
10	ACROMIAL HEIGHT			0.337	0.300	0.325	0.387	0.328	0.331
39	BUST CIRCUMFERENCE				0.097	0.099	0.100	0.110	0.060
80	NECK-BUST POINT L					-0.395	-0.488	-0.475	-0.506
79	SHOULDER LENGTH						0.300	0.254	0.278
7	STATURE							0.151	0.160
74	CHEST DEPTH								0.180
	MULTIPLE CORRELATIONS	0.942	0.967	0.971	0.974	0.976	0.978	0.978	0.979
	ST ERRORS OF ESTIMATE	1.752	1.325	1.240	1.177	1.132	1.101	1.085	1.073

TABLE XXVIII

STEPWISE MULTIPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING WAIST HEIGHT — NO. 13

	CONSTANT	10.574	0.618	4.002	2.483	3.444	2.340	2.053	2.710
14	ABDOMINAL EXT HGT	0.963	0.598	0.352	0.359	0.338	0.289	0.311	0.270
11	SUPRASTERNALE HGHT		0.333	0.614	0.600	0.641	0.439	0.428	0.410
86	ANTERIOR WAIST LTH			-0.523	-0.571	-0.545	-0.510	-0.497	-0.480
74	CHEST DEPTH				0.183	0.170	0.155	0.144	0.136
85	WAIST BACK					-0.123	-0.211	-0.193	-0.164
9	CERVICALE HEIGHT						0.252	0.230	0.198
26	WAIST HGHT,SITTING							0.079	0.118
19	CROTCH HEIGHT								0.101
	MULTIPLE CORRELATIONS	0.947	0.960	0.976	0.978	0.980	0.981	0.982	0.982
	ST ERRORS OF ESTIMATE	1.446	1.260	0.988	0.931	0.906	0.863	0.855	0.844

EQUATIONS FOR ESTIMATING ABDOMINAL EXTENSION HEIGHT — NO. 14

	CONSTANT	-0.209	2.455	4.790	0.620	0.652	-0.348	-0.780	0.968
13	WAIST HEIGHT	0.931	0.634	0.672	0.511	0.479	0.477	0.473	0.470
19	CROTCH HEIGHT		0.364	0.339	0.286	0.206	0.221	0.229	0.182
42	ABDOMINAL EXT CIRC			-0.050	-0.058	-0.062	-0.100	-0.075	-0.074
11	SUPRASTERNALE HGHT				0.189	0.173	0.156	0.146	0.237
16	BUTTOCK HEIGHT					0.141	0.136	0.146	0.125
43	HIP C-7" BLW WAIST						0.064	0.082	0.085
76	ABDOMINAL EXT DPTH							-0.148	-0.158
23	SITTING HEIGHT								-0.098
	MULTIPLE CORRELATIONS	0.947	0.957	0.960	0.964	0.965	0.966	0.967	0.967
	ST ERRORS OF ESTIMATE	1.422	1.284	1.236	1.185	1.163	1.148	1.136	1.124

EQUATIONS FOR ESTIMATING TROCHANTERIC HEIGHT — NO. 15

	CONSTANT	11.521	1.217	-3.087	-3.970	-3.703	-3.349	-3.777	-2.816
19	CROTCH HEIGHT	0.955	0.528	0.465	0.331	0.335	0.295	0.279	0.272
13	WAIST HEIGHT		0.420	0.319	0.243	0.245	0.225	0.214	0.229
35	OVERHEAD REACH			0.096	0.091	0.097	0.094	0.084	0.086
16	BUTTOCK HEIGHT				0.237	0.239	0.192	0.178	0.187
20	ANKLE HEIGHT					-0.190	-0.196	-0.174	-0.149
17	GLUTEAL FURROW HGT						0.126	0.121	0.111
31	ACROMION-RADIALE L							0.193	0.202
83	INTERCYE, MAXIMUM								-0.059
	MULTIPLE CORRELATIONS	0.901	0.920	0.926	0.930	0.932	0.933	0.934	0.935
	ST ERRORS OF ESTIMATE	1.848	1.672	1.614	1.568	1.549	1.536	1.524	1.514

TABLE XXVIII

STEPWISE MULTIPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING BUTTOCK HEIGHT — NO. 16

	CONSTANT	12.402	9.180	3.784	1.295	-1.474	-1.303	-1.736	-0.761
19	CROTCH HEIGHT	0.937	0.587	0.440	0.307	0.262	0.216	0.229	0.206
17	GLUTEAL FURROW HGT		0.403	0.383	0.320	0.307	0.280	0.285	0.272
39	BUTTOCK-KNEE LNGTH			0.310	0.265	0.267	0.237	0.136	0.190
14	ABDOMINAL EXT HGT				0.210	0.178	0.138	0.175	0.190
28	POPLITEAL HEIGHT					0.242	0.232	0.228	0.224
15	TROCHANTERIC HGHT						0.134	0.123	0.125
76	ABDOMINAL EXT DPTH							0.121	0.162
68	HIP BREADTH								-0.105
	MULTIPLE CORRELATIONS	0.907	0.924	0.931	0.935	0.937	0.938	0.940	0.940
	ST ERRORS OF ESTIMATE	1.757	1.591	1.519	1.481	1.457	1.441	1.428	1.418

EQUATIONS FOR ESTIMATING GLUTEAL FURROW HEIGHT — NO. 17

	CONSTANT	3.478	2.417	-1.914	2.075	2.262	2.135	-0.397	0.443
16	BUTTOCK HEIGHT	0.842	0.448	0.383	0.391	0.345	0.316	0.296	0.245
19	CROTCH HEIGHT		0.449	0.347	0.301	0.224	0.170	0.155	0.091
12	BUSTPOINT HEIGHT			0.146	0.214	0.189	0.174	0.110	0.101
50	VERTICAL TRUNK CIR				-0.060	-0.065	-0.065	-0.084	-0.063
15	TROCHANTERIC HGHT					0.158	0.161	0.150	0.113
18	TIBIALE HEIGHT						0.192	0.173	0.133
7	STATURE							0.108	0.317
23	SITTING HEIGHT								-0.271
	MULTIPLE CORRELATIONS	0.885	0.906	0.911	0.915	0.917	0.919	0.920	0.924
	ST ERRORS OF ESTIMATE	1.843	1.678	1.637	1.603	1.582	1.565	1.553	1.515

EQUATIONS FOR ESTIMATING TIBIALE HEIGHT — NO. 18

	CONSTANT	4.954	3.817	-0.128	-2.100	-1.956	-3.469	-3.751	-4.651
19	CROTCH HEIGHT	0.497	0.460	0.242	0.205	0.161	0.157	0.139	0.139
20	ANKLE HEIGHT		0.348	0.354	0.351	0.341	0.319	0.293	0.295
14	ABDOMINAL EXT HGT			0.216	0.190	0.158	0.153	0.144	0.138
28	POPLITEAL HEIGHT				0.175	0.162	0.155	0.145	0.143
17	GLUTEAL FURROW HGT					0.093	0.097	0.092	0.096
83	INTERSCYE, MAXIMUM						0.051	0.049	0.040
32	RADIALE-STYLION L							0.155	0.149
49	ANKLE CIRCUMFERNCE								0.086
	MULTIPLE CORRELATIONS	0.842	0.863	0.878	0.881	0.884	0.887	0.889	0.890
	ST ERRORS OF ESTIMATE	1.281	1.201	1.140	1.123	1.112	1.101	1.092	1.088

TABLE XXVIII

STEPWISE MULTIPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING CROTCH HEIGHT — NO. 19

	CONSTANT	-3.464	-5.012	-5.218	-4.978	-2.618	-5.208	-2.299	-2.064
14	ABDOMINAL EXT HGT	0.837	0.490	0.363	0.294	0.314	0.245	0.225	0.211
16	BUTTOCK HEIGHT		0.412	0.305	0.253	0.245	0.218	0.185	0.174
15	TROCHANTERIC HGHT			0.252	0.245	0.235	0.202	0.191	0.197
18	TIBIALE HEIGHT				0.263	0.254	0.213	0.176	0.177
27	ELBOW REST HEIGHT					-0.104	-0.161	-0.097	-0.101
9	CERVICALE HEIGHT						0.122	0.247	0.261
23	SITTING HEIGHT							-0.172	-0.169
1	AGE								-0.029
	MULTIPLE CORRELATIONS	0.919	0.938	0.944	0.948	0.950	0.951	0.953	0.954
	ST ERRORS OF ESTIMATE	1.594	1.398	1.329	1.288	1.263	1.244	1.219	1.205

EQUATIONS FOR ESTIMATING ANKLE HEIGHT — NO. 20

	CONSTANT	0.607	3.548	0.047	0.884	0.263	1.279	0.738	0.347
18	TIBIALE HEIGHT	0.252	0.312	0.290	0.292	0.255	0.340	0.301	0.281
91	HAND LENGTH		-0.297	-0.317	-0.286	-0.440	-0.382	-0.377	-0.408
36	NECK CIRCUMFERENCE			0.142	0.182	0.165	0.160	0.156	0.154
48	CALF CIRCUM, LEFT				-0.083	-0.100	-0.099	-0.091	-0.099
94	FOOT LENGTH					0.256	0.290	0.257	0.276
14	ABDOMINAL EXT HGT						-0.068	-0.094	-0.110
87	SLEEVE INSEAM							0.117	0.136
21	LAT'L MALLEOLUS HT								0.345
	MULTIPLE CORRELATIONS	0.443	0.479	0.508	0.524	0.539	0.551	0.565	0.581
	ST ERRORS OF ESTIMATE	1.215	1.189	1.167	1.155	1.142	1.132	1.119	1.104

EQUATIONS FOR ESTIMATING LATERAL MALLEOLUS HEIGHT — NO. 21

	CONSTANT	-0.034	-0.697	-0.552	-0.426	-0.369	0.025	-0.208	0.012
7	STATURE	0.042	0.037	0.040	0.050	0.049	0.030	0.029	0.037
73	FEMORAL BREADTH, L		0.181	0.229	0.216	0.213	0.207	0.170	0.164
68	HIP BREADTH			-0.029	-0.032	-0.032	-0.028	-0.045	-0.044
87	SLEEVE INSEAM				-0.035	-0.046	-0.060	-0.061	-0.050
20	ANKLE HEIGHT					0.055	0.059	0.064	0.067
14	ABDOMINAL EXT HGT						0.034	0.036	0.041
47	CALF CIRCUM, RIGHT							0.032	0.035
35	OVERHEAD REACH								-0.013
	MULTIPLE CORRELATIONS	0.426	0.444	0.454	0.466	0.480	0.492	0.500	0.507
	ST ERRORS OF ESTIMATE	0.531	0.526	0.523	0.520	0.516	0.512	0.509	0.507

TABLE XXVIII

STEPWISE MULTIPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING SITTING HEIGHT, RELAXED — NO. 22

	CONSTANT	13.448	11.787	6.039	3.761	5.482	3.741	3.583	3.402
24	EYE HEIGHT,SITTING	0.961	0.679	0.581	0.488	0.460	0.489	0.454	0.441
25	MIDSHOULDER HT,SIT		0.387	0.306	0.238	0.233	0.229	0.215	0.189
7	STATURE			0.109	0.294	0.340	0.311	0.366	0.380
19	CROTCH HEIGHT				-0.227	-0.176	-0.159	-0.104	-0.083
30	BUTTOCK-KNEE LNGTH					-0.185	-0.185	-0.194	-0.290
100	ECTOCANTHUS-TOP HD						0.278	0.259	0.253
17	GLUTEAL FURROW HGT							-0.120	-0.108
44	HIP 0-9" BLW WAIST								0.037
	MULTIPLE CORRELATIONS	0.903	0.920	0.929	0.937	0.940	0.943	0.945	0.946
	ST ERRORS OF ESTIMATE	1.394	1.276	1.203	1.140	1.108	1.081	1.063	1.053

EQUATIONS FOR ESTIMATING SITTING HEIGHT — NO. 23

	CONSTANT	14.770	12.975	7.533	4.880	4.254	2.855	2.607	3.724
24	EYE HEIGHT,SITTING	0.961	0.658	0.565	0.466	0.416	0.447	0.424	0.413
25	MIDSHOULDER HT,SIT		0.416	0.339	0.267	0.368	0.354	0.336	0.320
8	STATURE, MAXIMUM			0.103	0.296	0.416	0.377	0.412	0.424
19	CROTCH HEIGHT				-0.232	-0.168	-0.160	-0.123	-0.102
10	ACROMIAL HEIGHT					-0.196	-0.174	-0.162	-0.139
100	ECTOCANTHUS-TOP HD						0.236	0.224	0.227
17	GLUTEAL FURROW HGT							-0.095	-0.102
30	BUTTOCK-KNEE LNGTH								-0.095
	MULTIPLE CORRELATIONS	0.928	0.947	0.955	0.963	0.966	0.968	0.969	0.970
	ST ERRORS OF ESTIMATE	1.185	1.019	0.937	0.857	0.820	0.794	0.779	0.767

EQUATIONS FOR ESTIMATING EYE HEIGHT, SITTING — NO. 24

	CONSTANT	-2.907	-0.283	-0.061	1.738	1.681	2.164	2.664	2.704
23	SITTING HEIGHT	0.895	0.920	0.883	0.894	0.885	0.892	0.869	0.870
100	ECTOCANTHUS-TOP HD		-0.405	-0.391	-0.344	-0.349	-0.350	-0.334	-0.338
26	WAIST HGHT,SITTING			0.119	0.118	0.108	0.104	0.090	0.079
111	SAGITTAL CURVATURE				-0.094	-0.099	-0.094	-0.089	-0.094
78	THIGH CLEARANCE					0.104	0.155	0.166	0.180
67	WAIST BREADTH						-0.074	-0.072	-0.083
27	ELBOW REST HEIGHT							0.055	0.056
1	AGE								0.018
	MULTIPLE CORRELATIONS	0.928	0.935	0.937	0.938	0.939	0.939	0.940	0.941
	ST ERRORS OF ESTIMATE	1.143	1.084	1.071	1.064	1.057	1.050	1.044	1.039

TABLE XXVIII

STEPWISE MULTIPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING MIDSHOULDER HEIGHT, SITTING — NO. 25

	CONSTANT	-5.261	-7.202	-3.940	-5.077	-2.962	-2.340	-2.531	-1.434
23	SITTING HEIGHT	0.739	0.518	0.443	0.343	0.305	0.408	0.387	0.390
51	VERTICAL TRK C,SIT		0.139	0.126	0.096	0.116	0.101	0.100	0.104
27	ELBOW REST HEIGHT			0.225	0.287	0.243	0.212	0.208	0.210
10	ACROMIAL HEIGHT				0.097	0.161	0.259	0.255	0.253
30	BUTTOCK-KNEE LNGTH					-0.162	-0.123	-0.113	-0.099
8	STATURE, MAXIMUM						-0.133	-0.140	-0.140
85	WAIST BACK							0.082	0.082
72	FEMORAL BREADTH, R								-0.313
	MULTIPLE CORRELATIONS	0.881	0.908	0.924	0.932	0.936	0.938	0.939	0.940
	ST ERRORS OF ESTIMATE	1.258	1.116	1.015	0.964	0.938	0.926	0.916	0.908

EQUATIONS FOR ESTIMATING WAIST HEIGHT, SITTING — NO. 26

	CONSTANT	-0.439	2.074	1.353	2.671	0.826	-1.321	-0.747	-0.305
24	EYE HEIGHT,SITTING	0.323	0.456	0.257	0.285	0.296	0.183	0.165	0.164
85	WAIST BACK		-0.304	-0.388	-0.358	-0.342	-0.362	-0.354	-0.347
25	MIDSHOULDER HT,SIT			0.324	0.342	0.315	0.249	0.191	0.187
86	ANTERIOR WAIST LTH				-0.168	-0.219	-0.232	-0.238	-0.244
74	CHEST DEPTH					0.155	0.161	0.173	0.132
23	SITTING HEIGHT						0.180	0.201	0.205
27	ELBOW REST HEIGHT							0.081	0.077
3	TRICEPS SKINFOLD								0.301
	MULTIPLE CORRELATIONS	0.569	0.648	0.698	0.715	0.733	0.740	0.745	0.750
	ST ERRORS OF ESTIMATE	1.426	1.321	1.243	1.213	1.180	1.167	1.158	1.150

EQUATIONS FOR ESTIMATING ELBOW REST HEIGHT — NO. 27

	CONSTANT	-11.976	5.818	5.653	8.189	8.291	6.143	6.308	6.248
25	MIDSHOULDER HT,SIT	0.598	0.814	0.834	0.847	0.837	0.693	0.674	0.680
90	SPINE-TO-WRIST LTH		-0.381	-0.240	-0.162	-0.063	-0.070	-0.076	-0.068
31	ACROMION-RADIALE L			-0.394	-0.446	-0.353	-0.367	-0.373	-0.365
63	BIACROMIAL BREADTH				-0.220	-0.241	-0.256	-0.254	-0.243
87	SLEEVE INSEAM					-0.216	-0.209	-0.197	-0.219
24	EYE HEIGHT,SITTING						0.159	0.138	0.135
26	WAIST HGHT,SITTING							0.109	0.115
1	AGE								-0.022
	MULTIPLE CORRELATIONS	0.646	0.791	0.809	0.817	0.826	0.833	0.835	0.837
	ST ERRORS OF ESTIMATE	1.880	1.505	1.449	1.421	1.389	1.364	1.356	1.350

TABLE XXVIII

STEPWISE MULTIPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING POPLITEAL HEIGHT — NO. 28

	CONSTANT	13.928	11.813	11.503	9.599	9.992	9.416	9.877	9.051
19	CROTCH HEIGHT	0.364	0.207	0.157	0.135	0.127	0.094	0.084	0.082
16	BUTTOCK HEIGHT		0.168	0.141	0.128	0.128	0.109	0.112	0.113
18	TIBIALE HEIGHT			0.149	0.152	0.158	0.140	0.140	0.135
91	HAND LENGTH				0.244	0.263	0.240	0.241	0.195
1	AGE					-0.017	-0.017	-0.015	-0.016
14	ABDOMINAL EXT HGT						0.062	0.075	0.076
26	WAIST HGHT,SITTING							-0.053	-0.056
92	HAND BREADTH								0.258
	MULTIPLE CORRELATIONS	0.788	0.804	0.810	0.816	0.818	0.820	0.821	0.823
	ST ERRORS OF ESTIMATE	1.146	1.107	1.092	1.076	1.071	1.067	1.064	1.060

EQUATIONS FOR ESTIMATING BUTTOCK-POPLITEAL LENGTH — NO. 29

	CONSTANT	-4.319	-2.819	-1.384	-0.907	-0.186	-0.743	0.288	0.141
30	BUTTOCK-KNEE LNGTH	0.906	0.953	0.945	0.925	0.934	0.875	0.845	0.845
47	CALF CIRCUM, RIGHT		-0.123	-0.111	-0.164	-0.158	-0.160	-0.152	-0.147
27	ELBOW REST HEIGHT			-0.061	-0.069	-0.072	-0.092	-0.066	-0.063
45	UPPER THIGH CIRCUM				0.048	0.047	0.058	0.061	0.056
79	SHOULDER LENGTH					-0.090	-0.115	-0.096	-0.095
11	SUPRASTERNALE HGHT						0.032	0.065	0.067
22	SITTING HT,RELAXED							-0.059	-0.064
1	AGE								0.014
	MULTIPLE CORRELATIONS	0.865	0.870	0.872	0.873	0.874	0.874	0.875	0.875
	ST ERRORS OF ESTIMATE	1.382	1.360	1.353	1.346	1.344	1.342	1.339	1.336

EQUATIONS FOR ESTIMATING BUTTOCK-KNEE LENGTH — NO. 30

	CONSTANT	18.019	4.709	1.672	4.205	3.584	5.581	4.213	3.813
29	BUTTOCK-POPLIT'L L	0.826	0.571	0.467	0.380	0.366	0.321	0.305	0.293
11	SUPRASTERNALE HGHT		0.193	0.202	0.082	0.060	0.170	0.057	0.077
77	BUTTOCK DEPTH			0.322	0.383	0.248	0.231	0.244	0.256
19	CROTCH HEIGHT				0.217	0.240	0.178	0.149	0.134
44	HIP C-9" BLW WAIST					0.056	0.068	0.069	0.071
22	SITTING HT,RELAXED						-0.125	-0.190	-0.151
7	STATURE							0.150	0.154
25	MIDSHOULDER HT,SIT								-0.085
	MULTIPLE CORRELATIONS	0.865	0.910	0.931	0.942	0.945	0.948	0.951	0.952
	ST ERRORS OF ESTIMATE	1.320	1.090	0.961	0.883	0.863	0.836	0.818	0.811

TABLE XXVIII

STEPWISE MULTIPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING ACROMION-RADIALE LENGTH — NO. 31

	CONSTANT	1.092	-0.055	0.992	1.344	2.038	1.185	1.154	1.207
90	SPINE-TO-WRIST LTH	0.376	0.222	0.277	0.123	0.128	0.111	-0.000	0.293
15	TROCHANTERIC HGHT		0.162	0.140	0.152	0.154	0.134	0.117	0.117
88	SPINE-TO-SCYE LGTH			-0.177	-0.225	-0.227	-0.229	-0.173	-0.173
89	SPINE-TO-ELBOW LTH				0.223	0.256	0.261	0.316	0.315
79	SHOULDER LENGTH					-0.203	-0.221	-0.240	-0.240
91	HAND LENGTH						0.212	0.233	0.233
87	SLEEVE INSEAM							0.138	0.138
90	SPINE-TO-WRIST LTH								-0.085
	MULTIPLE CORRELATIONS	0.768	0.819	0.829	0.836	0.843	0.849	0.855	0.855
	ST ERRORS OF ESTIMATE	1.041	0.933	0.911	0.894	0.875	0.861	0.845	0.845

EQUATIONS FOR ESTIMATING RADIALE-STYLION LENGTH — NO. 32

	CONSTANT	3.706	2.176	-0.366	-0.590	-1.890	-2.423	-2.337	-2.527
87	SLEEVE INSEAM	0.446	0.337	0.262	0.179	0.197	0.198	0.192	0.190
18	TIBIALE HEIGHT		0.151	0.116	0.076	0.066	0.067	0.058	0.051
90	SPINE-TO-WRIST LTH			0.092	0.464	0.446	0.435	0.437	0.428
89	SPINE-TO-ELBOW LTH				-0.449	-0.453	-0.442	-0.441	-0.436
50	VERTICAL TRUNK CIR					0.016	0.017	0.016	0.014
118	NASAL BREADTH						0.182	0.177	0.149
20	ANKLE HEIGHT							0.046	0.046
94	FOOT LENGTH								0.059
	MULTIPLE CORRELATIONS	0.788	0.808	0.818	0.857	0.859	0.860	0.861	0.862
	ST ERRORS OF ESTIMATE	0.843	0.807	0.787	0.707	0.700	0.698	0.696	0.695

EQUATIONS FOR ESTIMATING THUMB-TIP REACH — NO. 33

	CONSTANT	10.146	11.159	6.132	5.464	4.933	6.560	6.606	6.418
90	SPINE-TO-WRIST LTH	0.804	0.473	0.341	0.288	0.211	0.282	0.214	0.195
87	SLEEVE INSEAM		0.574	0.518	0.436	0.520	0.430	0.356	0.400
94	FOOT LENGTH			0.748	0.652	0.580	0.574	0.530	0.523
34	THUMB-TIP,EXTENDED				0.129	0.121	0.134	0.125	0.124
67	WAIST BREADTH					0.222	0.337	0.332	0.333
65	CHEST BREADTH						-0.251	-0.259	-0.285
31	ACROMION-RADIALE L							0.348	0.334
1	AGE								0.049
	MULTIPLE CORRELATIONS	0.689	0.722	0.741	0.750	0.756	0.762	0.767	0.771
	ST ERRORS OF ESTIMATE	2.812	2.682	2.606	2.566	2.539	2.516	2.494	2.476

TABLE XXVIII

STEPWISE MULTIPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING THUMB-TIP REACH, EXTENDED — NO. 34

	CONSTANT	5.338	-0.226	0.476	-4.247	0.262	-6.980	-7.887	-6.711
35	OVERHEAD REACH	0.394	0.301	0.248	0.218	0.220	0.212	0.209	0.205
33	THUMB-TIP REACH		0.325	0.252	0.231	0.242	0.236	0.229	0.245
87	SLEEVE INSEAM			0.346	0.429	0.420	0.415	0.413	0.409
65	CHEST BREADTH				0.307	0.343	0.314	0.261	0.359
116	BIZYGOMATIC BRDTH					-0.491	-0.623	-0.702	-0.711
98	HEAD CIRCUMFERENCE						0.219	0.193	0.197
36	NECK CIRCUMFERENCE							0.179	0.201
82	INTERCYE								-0.142
	MULTIPLE CORRELATIONS	0.692	0.720	0.727	0.736	0.738	0.741	0.743	0.745
	ST ERRORS OF ESTIMATE	3.523	3.387	3.350	3.305	3.295	3.280	3.271	3.261

EQUATIONS FOR ESTIMATING OVERHEAD REACH — NO. 35

	CONSTANT	15.216	10.864	11.186	15.122	11.014	10.356	7.058	7.223
11	SUPRASTERNALE HGHT	1.394	1.138	0.978	0.787	0.614	0.571	0.562	0.372
34	THUMB-TIP,EXTENDED		0.455	0.352	0.329	0.292	0.296	0.290	0.287
87	SLEEVE INSEAM			0.667	0.539	0.664	0.647	0.617	0.599
15	TROCHANTERIC HGHT				0.349	0.417	0.440	0.440	0.398
51	VERTICAL TRK C,SIT					0.126	0.167	0.155	0.125
4	SUBSCAPULAR SKINFD						-1.015	-1.088	-1.011
63	BIACROMIAL BREADTH							0.229	0.268
10	ACROMIAL HEIGHT								0.246
	MULTIPLE CORRELATIONS	0.864	0.888	0.896	0.900	0.902	0.904	0.904	0.905
	ST ERRORS OF ESTIMATE	4.311	3.940	3.799	3.739	3.699	3.673	3.660	3.647

EQUATIONS FOR ESTIMATING NECK CIRCUMFERENCE — NO. 36

	CONSTANT	26.244	19.586	18.665	13.856	16.656	16.773	19.112	21.988
2	WEIGHT	0.130	0.120	0.116	0.104	0.108	0.109	0.124	0.154
111	SAGITTAL CURVATURE		0.208	0.180	0.160	0.146	0.117	0.120	0.124
20	ANKLE HEIGHT			0.190	0.191	0.181	0.176	0.192	0.177
115	BITRAGION BREADTH				0.480	0.635	0.590	0.557	0.551
113	BIOCULAR BREADTH					-0.458	-0.524	-0.480	-0.517
118	NASAL BREADTH						0.660	0.703	0.643
29	BUTTOCK-POPLIT'L L							-0.076	-0.086
69	THIGH-THIGH BR,SIT								-0.091
	MULTIPLE CORRELATIONS	0.582	0.609	0.627	0.641	0.652	0.664	0.672	0.678
	ST ERRORS OF ESTIMATE	1.364	1.331	1.307	1.289	1.273	1.256	1.245	1.235

TABLE XXVIII

STEPWISE MULTIPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING SHOULDER CIRCUMFERENCE — NO. 37

	CONSTANT	17.587	12.998	20.990	19.809	15.625	24.137	22.909	20.555
64	BIDELTOID BREADTH	1.978	1.150	0.960	0.873	0.778	0.738	0.650	0.630
38	CHEST CIRC AT SCYE		0.466	0.371	0.333	0.344	0.357	0.319	0.270
2	WEIGHT			0.138	0.141	0.137	0.194	0.167	0.140
82	INTERSCYE				0.224	0.210	0.196	0.215	0.208
63	BIACROMIAL BREADTH					0.222	0.250	0.308	0.331
50	VERTICAL TRUNK CIR						-0.076	-0.072	-0.069
54	AXILLARY ARM CIRC							0.230	0.242
40	CHEST C BELOW BUST								0.101
	MULTIPLE CORRELATIONS	0.890	0.925	0.932	0.936	0.937	0.939	0.941	0.942
	ST ERRORS OF ESTIMATE	2.340	1.947	1.863	1.817	1.794	1.766	1.746	1.728

EQUATIONS FOR ESTIMATING CHEST CIRCUMFERENCE AT SCYE — NO. 38

	CONSTANT	14.891	-0.743	-1.724	-1.250	-0.995	-1.295	-2.152	-1.496
39	BUST CIRCUMFERENCE	0.773	0.447	0.414	0.480	0.455	0.450	0.449	0.469
37	SHOULDER CIRCUMFER		0.447	0.395	0.390	0.352	0.290	0.282	0.278
53	SCYE CIRCUMFERENCE			0.247	0.242	0.237	0.221	0.212	0.217
66	BUSTPT-BUSTPT BRTH				-0.308	-0.296	-0.289	-0.278	-0.269
65	CHEST BREADTH					0.206	0.180	0.164	0.152
64	BIDELTOID BREADTH						0.195	0.181	0.185
83	INTERSCYE, MAXIMUM							0.059	0.068
80	NECK-BUST POINT L								-0.105
	MULTIPLE CORRELATIONS	0.888	0.929	0.932	0.934	0.935	0.936	0.937	0.937
	ST ERRORS OF ESTIMATE	2.278	1.838	1.803	1.772	1.757	1.746	1.739	1.733

EQUATIONS FOR ESTIMATING BUST CIRCUMFERENCE — NO. 39

	CONSTANT	3.708	5.451	3.127	1.986	-0.013	-0.332	3.310	4.240
38	CHEST CIRC AT SCYE	1.021	0.599	0.565	0.477	0.456	0.420	0.421	0.430
74	CHEST DEPTH		1.430	1.158	1.042	0.932	0.962	0.955	0.923
66	BUSTPT-BUSTPT BRTH			0.627	0.619	0.587	0.570	0.580	0.576
40	CHEST C BELOW BUST				0.154	0.165	0.133	0.137	0.137
80	NECK-BUST POINT L					0.241	0.234	0.249	0.280
65	CHEST BREADTH						0.197	0.207	0.211
91	HAND LENGTH							-0.256	-0.205
79	SHOULDER LENGTH								-0.184
	MULTIPLE CORRELATIONS	0.888	0.943	0.951	0.954	0.956	0.957	0.958	0.958
	ST ERRORS OF ESTIMATE	2.617	1.897	1.759	1.713	1.677	1.662	1.646	1.637

TABLE XXVIII

STEPWISE MULTIPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING CHEST CIRCUMFERENCE BELOW BUST — NO. 40

	CONSTANT	10.620	11.053	7.435	2.121	1.355	3.916	9.467	9.646
39	BUST CIRCUMFERENCE	0.710	0.470	0.363	0.307	0.293	0.339	0.326	0.248
41	WAIST CIRCUMFERNCE		0.314	0.257	0.214	0.203	0.215	0.171	0.163
65	CHEST BREADTH			0.609	0.461	0.406	0.398	0.392	0.433
37	SHOULDER CIRCUMFER				0.173	0.147	0.157	0.107	0.115
84	BACK CURVATURE					0.164	0.158	0.152	0.150
81	STRAP LENGTH						-0.123	-0.142	-0.151
2	WEIGHT							0.091	0.082
74	CHEST DEPTH								0.279
	MULTIPLE CORRELATIONS	0.832	0.859	0.874	0.878	0.882	0.884	0.887	0.888
	ST ERRORS OF ESTIMATE	2.701	2.402	2.371	2.329	2.301	2.276	2.255	2.242

EQUATIONS FOR ESTIMATING WAIST CIRCUMFERENCE — NO. 41

	CONSTANT	6.690	3.294	0.736	-4.036	-6.162	-5.313	-3.465	-3.618
67	WAIST BREADTH	2.508	1.634	1.436	1.312	1.263	1.265	1.266	1.253
75	WAIST DEPTH		1.439	1.100	1.014	1.005	0.968	0.934	0.937
42	ABDOMINAL EXT CIRC			0.153	0.124	0.087	0.086	0.077	0.072
38	CHEST CIRC AT SCYE				0.139	0.121	0.118	0.105	0.068
43	HIP C-7" BLW WAIST					0.087	0.180	0.174	0.170
68	HIP BREADTH						-0.247	-0.235	-0.237
4	SUBSCAPULAR SKINFD							0.556	0.586
65	CHEST BREADTH								0.156
	MULTIPLE CORRELATIONS	0.886	0.940	0.948	0.951	0.952	0.954	0.955	0.955
	ST ERRORS OF ESTIMATE	2.536	1.873	1.742	1.690	1.671	1.645	1.634	1.623

EQUATIONS FOR ESTIMATING ABDOMINAL EXTENSION CIRCUMFERENCE — NO. 42

	CONSTANT	-15.389	-4.956	-5.654	3.003	6.525	2.970	2.631	4.931
43	HIP C-7" BLW WAIST	1.079	0.622	0.496	0.562	0.546	0.516	0.512	0.497
76	ABDOMINAL EXT DPTH		1.549	1.166	1.187	1.197	1.179	1.128	1.071
41	WAIST CIRCUMFERNCE			0.305	0.305	0.317	0.335	0.335	0.294
30	BUTTOCK-KNEE LNGTH				-0.266	-0.238	-0.256	-0.237	-0.216
118	NASAL BREADTH					-1.455	-1.324	-1.395	-1.318
26	WAIST HGHT,SITTING						0.263	0.242	0.232
1	AGE							0.060	0.075
5	SUPRAILIAC SKINFLD								0.751
	MULTIPLE CORRELATIONS	0.828	0.875	0.883	0.887	0.889	0.891	0.892	0.894
	ST ERRORS OF ESTIMATE	4.085	3.524	3.418	3.370	3.338	3.311	3.292	3.270

TABLE XXVIII

STEPWISE MULTIPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING HIP CIRCUMFERENCE-SEVEN INCHES BELOW WAIST LEVEL 43

	CONSTANT	10.559	9.445	10.055	8.329	8.919	8.599	9.620	7.129
44	HIP C-9" BLW WAIST	0.872	0.701	0.645	0.492	0.469	0.444	0.443	0.447
41	WAIST CIRCUMFERNCE		0.259	0.170	0.139	0.127	0.176	0.180	0.173
42	ABDOMINAL EXT CIRC			0.125	0.105	0.103	0.112	0.110	0.113
52	BUTTOCK CIRC, SIT				0.201	0.183	0.203	0.206	0.195
77	BUTTOCK DEPTH					0.207	0.254	0.251	0.259
75	WAIST DEPTH						-0.256	-0.261	-0.242
20	ANKLE HEIGHT							-0.105	-0.142
17	GLUTEAL FURROW HGT								0.046
	MULTIPLE CORRELATIONS	0.939	0.955	0.959	0.961	0.962	0.963	0.963	0.964
	ST ERRORS OF ESTIMATE	1.923	1.653	1.583	1.538	1.525	1.510	1.504	1.495

EQUATIONS FOR ESTIMATING HIP CIRCUMFERENCE-NINE INCHES BELOW WAIST LEVEL 44

	CONSTANT	2.375	-1.561	0.479	-1.844	-2.857	-5.787	-5.294	-4.087
52	BUTTOCK CIRC, SIT	0.929	0.640	0.478	0.301	0.333	0.301	0.292	0.292
68	HIP BREADTH		0.939	0.749	0.668	0.623	0.620	0.638	0.635
45	UPPER THIGH CIRCUM			0.375	0.284	0.288	0.293	0.267	0.265
43	HIP C-7" BLW WAIST				0.298	0.325	0.321	0.307	0.313
76	ABDOMINAL EXT DPTH					-0.161	-0.161	-0.204	-0.208
50	VERTICAL TRUNK CIR						0.041	0.038	0.046
77	BUTTOCK DEPTH							0.184	0.173
17	GLUTEAL FURROW HGT								-0.034
	MULTIPLE CORRELATIONS	0.940	0.958	0.967	0.972	0.972	0.973	0.973	0.973
	ST ERRORS OF ESTIMATE	2.053	1.723	1.527	1.425	1.411	1.399	1.389	1.384

EQUATIONS FOR ESTIMATING UPPER THIGH CIRCUMFERENCE NO. 45

	CONSTANT	-4.260	-4.096	-3.154	-2.604	4.241	2.951	3.669	5.706
44	HIP C-9" BLW WAIST	0.627	0.551	0.348	0.281	0.310	0.281	0.265	0.274
78	THIGH CLEARANCE		0.569	0.688	0.612	0.711	0.610	0.582	0.591
69	THIGH-THIGH BR,SIT			0.443	0.415	0.382	0.339	0.343	0.350
77	BUTTOCK DEPTH				0.371	0.342	0.311	0.273	0.246
35	OVERHEAD REACH					-0.045	-0.050	-0.045	-0.034
46	KNEE CIRCUMFERENCE						0.237	0.238	0.242
5	SUPRAILIAC SKINFLD							0.392	0.378
24	EYE HEIGHT,SITTING								-0.068
	MULTIPLE CORRELATIONS	0.894	0.903	0.913	0.918	0.921	0.924	0.926	0.927
	ST ERRORS OF ESTIMATE	1.894	1.812	1.722	1.679	1.643	1.613	1.598	1.590

TABLE XXVIII

STEPWISE MULTIPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING KNEE CIRCUMFERENCE NO. 46

	CONSTANT	22.041	13.422	9.474	6.538	12.660	11.258	11.906	10.689
2	WEIGHT	0.247	0.155	0.139	0.088	0.142	0.125	0.127	0.121
47	CALF CIRCUM, RIGHT		0.408	0.390	0.347	0.323	0.291	0.268	0.206
72	FEMORAL BREADTH, R			0.676	0.727	0.693	0.660	0.664	0.623
45	UPPER THIGH CIRCUM				0.125	0.123	0.127	0.113	0.121
37	SHOULDER CIRCUMFER					-0.080	-0.098	-0.093	-0.086
60	FOREARM C, RELAXED						0.227	0.214	0.187
6	MEDIAL CALF SKINFD							0.357	0.357
49	ANKLE CIRCUMFERNCE								0.166
	MULTIPLE CORRELATIONS	0.819	0.862	0.870	0.878	0.884	0.887	0.890	0.892
	ST ERRORS OF ESTIMATE	1.299	1.150	1.120	1.084	1.061	1.047	1.035	1.026

EQUATIONS FOR ESTIMATING CALF CIRCUMFERENCE, RIGHT NO. 47

	CONSTANT	5.611	0.464	0.040	0.228	1.279	3.344	5.259	14.596
46	KNEE CIRCUMFERENCE	0.786	0.527	0.330	0.295	0.309	0.277	0.261	0.261
49	ANKLE CIRCUMFERNCE		0.680	0.702	0.705	0.710	0.686	0.655	0.644
45	UPPER THIGH CIRCUM			0.132	0.093	0.088	0.063	0.073	0.042
57	BICEPS C,RELAXED,L				0.124	0.124	0.084	0.117	0.029
20	ANKLE HEIGHT					-0.124	-0.145	-0.149	-0.115
2	WEIGHT						0.039	0.066	0.140
42	ABDOMINAL EXT CIRC							-0.042	-0.056
11	SUPRASTERNALE HGHT								-0.065
	MULTIPLE CORRELATIONS	0.792	0.846	0.861	0.865	0.868	0.869	0.873	0.878
	ST ERRORS OF ESTIMATE	1.372	1.197	1.145	1.130	1.118	1.112	1.098	1.078

EQUATIONS FOR ESTIMATING CALF CIRCUMFERENCE, LEFT NO. 48

	CONSTANT	5.771	0.565	0.060	0.304	1.495	3.974	8.917	20.850
46	KNEE CIRCUMFERENCE	0.784	0.522	0.315	0.278	0.294	0.255	0.217	0.206
49	ANKLE CIRCUMFERNCE		0.698	0.710	0.713	0.719	0.689	0.651	0.635
45	UPPER THIGH CIRCUM			0.140	0.099	0.093	0.063	0.053	0.014
57	BICEPS C,RELAXED,L				0.129	0.129	0.080	0.122	0.023
20	ANKLE HEIGHT					-0.140	-0.165	-0.169	-0.127
2	WEIGHT						0.048	0.096	0.187
39	BUST CIRCUMFERENCE							-0.067	-0.093
9	CERVICALE HEIGHT								-0.071
	MULTIPLE CORRELATIONS	0.778	0.833	0.848	0.853	0.857	0.859	0.864	0.870
	ST ERRORS OF ESTIMATE	1.433	1.263	1.209	1.193	1.178	1.169	1.151	1.127

TABLE XXVIII

STEPWISE MULTIPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING ANKLE CIRCUMFERENCE NO. 49

	CONSTANT	5.472	1.792	1.678	1.454	0.241	0.171	0.744	0.320
47	CALF CIRCUM, RIGHT	0.429	0.342	0.381	0.332	0.334	0.333	0.333	0.329
62	WRIST CIRCUMFERNCE		0.509	0.589	0.548	0.508	0.503	0.536	0.478
54	AXILLARY ARM CIRC			-0.088	-0.105	-0.103	-0.072	-0.078	-0.067
46	KNEE CIRCUMFERENCE				0.082	0.071	0.086	0.087	0.080
25	MIDSHOULDER HT,SIT					0.036	0.037	0.047	0.039
76	ABDOMINAL EXT DPTH						-0.061	-0.055	-0.057
31	ACROMION-RADIALE L							-0.053	-0.083
94	FOOT LENGTH								0.117
	MULTIPLE CORRELATIONS	0.746	0.783	0.793	0.797	0.800	0.803	0.805	0.808
	ST ERRORS OF ESTIMATE	0.859	0.802	0.786	0.779	0.775	0.770	0.766	0.761

EQUATIONS FOR ESTIMATING VERTICAL TRUNK CIRCUMFERENCE NO. 50

	CONSTANT	8.262	22.296	28.213	25.505	25.321	18.187	17.038	20.314
51	VERTICAL TRK C,SIT	0.974	0.802	0.821	0.791	0.732	0.714	0.704	0.708
2	WEIGHT		0.204	0.223	0.214	0.229	0.142	0.131	0.157
16	BUTTOCK HEIGHT			-0.120	-0.124	-0.273	-0.297	-0.278	-0.275
86	ANTERIOR WAIST LTH				0.240	0.212	0.239	0.258	0.259
10	ACROMIAL HEIGHT					0.152	0.217	0.214	0.204
77	BUTTOCK DEPTH						0.410	0.429	0.422
1	AGE							0.046	0.047
84	BACK CURVATURE								-0.100
	MULTIPLE CORRELATIONS	0.930	0.942	0.944	0.946	0.947	0.949	0.950	0.950
	ST ERRORS OF ESTIMATE	2.529	2.398	2.267	2.233	2.209	2.173	2.156	2.143

EQUATIONS FOR ESTIMATING VERTICAL TRUNK CIRCUMFERENCE, SITTING NO. 51

	CONSTANT	13.090	4.209	2.284	-2.636	-2.857	-3.058	-4.523	-4.948
50	VERTICAL TRUNK CIR	0.887	0.691	0.620	0.504	0.583	0.579	0.585	0.581
25	MIDSHOULDER HT,SIT		0.675	0.758	0.648	0.659	0.555	0.530	0.525
39	BUST CIRCUMFERENCE			0.090	0.093	0.082	0.088	0.096	0.098
9	CERVICALE HEIGHT				0.097	0.095	0.122	0.139	0.093
68	HIP BREADTH					0.117	0.116	0.149	0.149
27	ELBOW REST HEIGHT						0.114	0.119	0.137
78	THIGH CLEARANCE							-0.190	-0.192
35	OVERHEAD REACH								0.036
	MULTIPLE CORRELATIONS	0.930	0.947	0.949	0.951	0.951	0.951	0.952	0.952
	ST ERRORS OF ESTIMATE	2.414	2.104	2.071	2.037	2.028	2.021	2.013	2.008

TABLE XXVIII

STEPWISE MULTIPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING BUTTOCK CIRCUMFERENCE, SITTING — NO. 52

	CONSTANT	9.393	22.216	15.562	16.779	14.703	8.757	10.097	12.668
44	HIP C-9" BLW WAIST	0.951	0.654	0.447	0.301	0.344	0.330	0.361	0.353
2	WEIGHT		0.268	0.201	0.208	0.155	0.117	0.137	0.152
43	HIP C-7" BLW WAIST			0.323	0.307	0.255	0.265	0.273	0.273
69	THIGH-THIGH BR,SIT				0.361	0.358	0.361	0.395	0.394
75	WAIST DEPTH					0.354	0.368	0.354	0.316
50	VERTICAL TRUNK CIR						0.053	0.043	0.062
45	UPPER THIGH CIRCUM							-0.103	-0.118
85	WAIST BACK								-0.101
	MULTIPLE CORRELATIONS	0.940	0.953	0.957	0.960	0.962	0.963	0.964	0.964
	ST ERRORS OF ESTIMATE	2.078	1.854	1.763	1.700	1.655	1.640	1.631	1.621

EQUATIONS FOR ESTIMATING SCYE CIRCUMFERENCE — NO. 53

	CONSTANT	15.394	1.970	-0.644	-1.376	-1.410	-0.454	-0.207	-0.041
54	AXILLARY ARM CIRC	0.791	0.742	0.700	0.606	0.611	0.620	0.610	0.606
10	ACROMIAL HEIGHT		0.112	0.095	0.084	0.049	0.161	0.156	0.151
93	HAND CIRCUMFERENCE			0.328	0.308	0.298	0.312	0.308	0.294
40	CHEST C BELOW BUST				0.069	0.065	0.060	0.057	0.057
31	ACROMION-RADIALE L					0.161	0.169	0.228	0.233
11	SUPRASTERNALE HGHT						-0.122	-0.100	-0.102
87	SLEEVE INSEAM							-0.085	-0.133
32	RADIALE-STYLION L								0.132
	MULTIPLE CORRELATIONS	0.808	0.850	0.858	0.863	0.866	0.869	0.871	0.872
	ST ERRORS OF ESTIMATE	1.348	1.206	1.178	1.157	1.144	1.133	1.126	1.121

EQUATIONS FOR ESTIMATING AXILLARY ARM CIRCUMFERENCE — NO. 54

	CONSTANT	4.158	-1.967	0.159	-2.680	-0.086	0.649	0.278	0.286
55	BICEPS C,RELAXED,R	0.909	0.660	0.572	0.505	0.480	0.460	0.449	0.458
53	SCYE CIRCUMFERENCE		0.337	0.313	0.256	0.301	0.302	0.280	0.285
4	SUBSCAPULAR SKINFD			0.792	0.703	0.623	0.417	0.362	0.385
64	BIDELTOID BREADTH				0.162	0.185	0.174	0.129	0.137
10	ACROMIAL HEIGHT					-0.034	-0.035	-0.037	-0.034
5	SUPRAILIAC SKINFLD						0.303	0.293	0.308
38	CHEST CIRC AT SCYE							0.044	0.064
40	CHEST C BELOW BUST								-0.039
	MULTIPLE CORRELATIONS	0.891	0.918	0.927	0.932	0.935	0.937	0.938	0.939
	ST ERRORS OF ESTIMATE	1.064	0.928	0.880	0.848	0.833	0.819	0.812	0.806

TABLE XXVIII

STEPWISE MULTIPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING BICEPS CIRCUMFERENCE, RELAXED, RIGHT — NO. 55

	CONSTANT	-0.138	-0.878	-0.843	-0.141	0.996	0.614	0.304	0.071
56	BICEPS C,FLEXED, R	0.961	0.791	0.654	0.636	0.634	0.633	0.612	0.615
54	AXILLARY ARM CIRC		0.193	0.153	0.149	0.150	0.145	0.141	0.141
58	BICEPS C,FLEXED, L			0.168	0.156	0.158	0.145	0.143	0.142
3	TRICEPS SKINFOLD				0.254	0.245	0.218	0.224	0.205
87	SLEEVE INSEAM					-0.026	-0.028	-0.033	-0.030
69	THIGH-THIGH BR,SIT						0.027	0.027	0.027
60	FOREARM C, RELAXED							0.053	0.068
125	GRIP STRENGTH								-0.009
	MULTIPLE CORRELATIONS	0.970	0.975	0.976	0.977	0.977	0.978	0.978	0.978
	ST ERRORS OF ESTIMATE	0.560	0.513	0.498	0.489	0.485	0.482	0.481	0.479

EQUATIONS FOR ESTIMATING BICEPS CIRCUMFERENCE, FLEXED, RIGHT — NO. 56

	CONSTANT	1.720	-0.416	-0.279	-0.166	-0.928	-0.503	-0.012	0.056
55	BICEPS C,RELAXED,R	0.979	0.883	0.711	0.712	0.714	0.711	0.716	0.719
61	FOREARM C, FLEXED		0.184	0.172	0.149	0.131	0.134	0.139	0.099
57	BICEPS C,RELAXED,L			0.178	0.181	0.187	0.189	0.196	0.199
125	GRIP STRENGTH				0.012	0.010	0.011	0.011	0.011
91	HAND LENGTH					0.058	0.072	0.085	0.077
79	SHOULDER LENGTH						-0.052	-0.047	-0.047
50	VERTICAL TRUNK CIR							-0.008	-0.009
59	ELBOW CIRC, FLEXED								0.040
	MULTIPLE CORRELATIONS	0.970	0.973	0.974	0.975	0.975	0.975	0.975	0.975
	ST ERRORS OF ESTIMATE	0.565	0.539	0.523	0.519	0.517	0.515	0.513	0.511

EQUATIONS FOR ESTIMATING BICEPS CIRCUMFERENCE, RELAXED, LEFT — NO. 57

	CONSTANT	-0.504	-0.951	0.217	-0.304	0.084	-0.442	0.462	0.488
58	BICEPS C,FLEXED, L	0.986	0.809	0.818	0.787	0.776	0.773	0.764	0.750
56	BICEPS C,FLEXED, R		0.192	0.217	0.198	0.178	0.149	0.156	0.139
59	ELBOW CIRC, FLEXED			-0.077	-0.075	-0.067	-0.084	-0.073	-0.071
42	ABDOMINAL EXT CIRC				0.021	0.019	0.018	0.018	0.014
3	TRICEPS SKINFOLD					0.208	0.209	0.169	0.151
60	FOREARM C, RELAXED						0.082	0.126	0.117
93	HAND CIRCUMFERENCE							-0.115	-0.120
54	AXILLARY ARM CIRC								0.052
	MULTIPLE CORRELATIONS	0.975	0.977	0.978	0.979	0.980	0.980	0.981	0.981
	ST ERRORS OF ESTIMATE	0.533	0.514	0.501	0.490	0.484	0.480	0.473	0.470

TABLE XXVIII

STEPWISE MULTIPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING BICEPS CIRCUMFERENCE, FLEXED, LEFT — NO. 58

	CONSTANT	1.800	-0.001	-0.110	-0.804	-0.788	-0.329	0.097	0.297
57	BICEPS C,RELAXED,L	0.964	0.928	0.814	0.821	0.816	0.819	0.820	0.820
59	ELBOW CIRC, FLEXED		0.101	0.091	0.078	0.079	0.085	0.085	0.083
55	BICEPS C,RELAXED,R			0.129	0.117	0.117	0.113	0.113	0.113
93	HAND CIRCUMFERENCE				0.064	0.061	0.073	0.075	0.063
1	AGE					0.006	0.006	0.007	0.007
33	THUMB-TIP REACH						-0.011	-0.010	-0.011
114	BIAURICULAR BRDTH							-0.037	-0.039
125	GRIP STRENGTH								0.006
	MULTIPLE CORRELATIONS	0.975	0.977	0.978	0.978	0.978	0.979	0.979	0.979
	ST ERRORS OF ESTIMATE	0.527	0.504	0.496	0.494	0.492	0.491	0.490	0.489

EQUATIONS FOR ESTIMATING ELBOW CIRCUMFERENCE, FLEXED — NO. 59

	CONSTANT	4.898	-0.555	0.571	1.263	0.163	-0.213	-0.701	-1.394
61	FOREARM C, FLEXED	0.884	0.821	1.329	1.365	1.355	1.349	1.349	1.344
15	TROCHANTERIC HGHT		0.095	0.090	0.094	0.084	0.063	0.062	0.042
60	FOREARM C, RELAXED			-0.606	-0.509	-0.558	-0.555	-0.568	-0.564
47	CALF CIRCUM, RIGHT				-0.123	-0.124	-0.121	-0.122	-0.125
71	HUMERAL BREADTH, L					0.551	0.510	0.520	0.484
32	RADIALE-STYLION L						0.100	0.094	0.074
123	EAR LENGTH							0.189	0.185
35	OVERHEAD REACH								0.016
	MULTIPLE CORRELATIONS	0.754	0.779	0.798	0.806	0.809	0.811	0.812	0.813
	ST ERRORS OF ESTIMATE	1.171	1.118	1.075	1.057	1.049	1.045	1.042	1.040

EQUATIONS FOR ESTIMATING FOREARM CIRCUMFERENCE, RELAXED — NO. 60

	CONSTANT	2.397	2.961	1.054	1.344	0.646	-0.123	-0.383	-0.496
61	FOREARM C, FLEXED	0.844	0.683	0.586	0.673	0.557	0.658	0.653	0.644
55	BICEPS C,RELAXED,R		0.135	0.143	0.128	0.131	0.134	0.128	0.118
62	WRIST CIRCUMFERNCE			0.275	0.290	0.220	0.195	0.186	0.175
59	ELBOW CIRC, FLEXED				-0.085	-0.092	-0.099	-0.099	-0.096
70	HUMERAL BREADTH, R					0.368	0.322	0.324	0.312
90	SPINE-TO-WRIST LTH						0.019	0.015	0.013
36	NECK CIRCUMFERENCE							0.029	0.028
46	KNEE CIRCUMFERENCE								0.026
	MULTIPLE CORRELATIONS	0.930	0.940	0.946	0.948	0.951	0.951	0.952	0.952
	ST ERRORS OF ESTIMATE	0.506	0.470	0.448	0.437	0.429	0.426	0.424	0.422

TABLE XXVIII

STEPWISE MULTIPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING FOREARM CIRCUMFERENCE, FLEXED — NO. 61

	CONSTANT	0.912	-0.798	-0.343	-0.692	0.106	-0.516	-0.323	-0.564
60	FOREARM C, RELAXED	1.025	0.837	0.740	0.705	0.716	0.711	0.710	0.695
59	ELBOW CIRC, FLEXED		0.227	0.224	0.227	0.243	0.242	0.243	0.240
56	BICEPS C,FLEXED, R			0.071	0.062	0.050	0.051	0.054	0.056
47	CALF CIRCUM, RIGHT				0.039	0.046	0.046	0.045	0.045
15	TROCHANTERIC HGHT					-0.017	-0.018	-0.017	-0.018
113	BIOCULAR BREADTH						0.085	0.093	0.084
123	EAR LENGTH							-0.077	-0.080
93	HAND CIRCUMFERENCE								0.044
	MULTIPLE CORRELATIONS	0.930	0.952	0.954	0.955	0.956	0.956	0.956	0.957
	ST ERRORS OF ESTIMATE	0.558	0.465	0.456	0.451	0.447	0.445	0.444	0.443

EQUATIONS FOR ESTIMATING WRIST CIRCUMFERENCE — NO. 62

	CONSTANT	4.814	3.042	2.350	1.339	1.002	0.254	0.417	0.309
93	HAND CIRCUMFERENCE	0.554	0.356	0.327	0.272	0.253	0.255	0.246	0.245
60	FOREARM C, RELAXED		0.230	0.177	0.176	0.155	0.158	0.180	0.159
49	ANKLE CIRCUMFERNCE			0.117	0.111	0.104	0.095	0.100	0.107
91	HAND LENGTH				0.118	0.096	0.082	0.077	0.074
70	HUMERAL BREADTH, R					0.282	0.231	0.221	0.216
24	EYE HEIGHT,SITTING						0.019	0.022	0.023
69	THIGH-THIGH BR,SIT							-0.018	-0.027
74	CHEST DEPTH								0.035
	MULTIPLE CORRELATIONS	0.706	0.796	0.814	0.826	0.830	0.833	0.835	0.838
	ST ERRORS OF ESTIMATE	0.504	0.431	0.414	0.402	0.397	0.394	0.392	0.389

EQUATIONS FOR ESTIMATING BIACROMIAL BREADTH — NO. 63

	CONSTANT	21.300	10.918	6.057	4.836	5.270	4.080	3.613	3.444
79	SHOULDER LENGTH	0.992	0.769	0.642	0.616	0.596	0.607	0.593	0.581
64	BIDELTOID BREADTH		0.326	0.268	0.335	0.372	0.349	0.268	0.292
90	SPINE-TO-WRIST LTH			0.115	0.109	0.116	0.107	0.100	0.091
5	SUPRAILIAC SKINFLD				-0.368	-0.273	-0.272	-0.289	-0.245
74	CHEST DEPTH					-0.103	-0.117	-0.148	-0.125
36	NECK CIRCUMFERENCE						0.090	0.086	0.095
37	SHOULDER CIRCUMFER							0.055	0.071
55	BICEPS C,RELAXED,R								-0.097
	MULTIPLE CORRELATIONS	0.618	0.758	0.782	0.793	0.798	0.801	0.804	0.808
	ST ERRORS OF ESTIMATE	1.289	1.070	1.022	0.999	0.990	0.982	0.976	0.968

TABLE XXVIII

STEPWISE MULTIPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING BIDELTOID BREADTH NO. 64

	CONSTANT	1.608	3.387	-0.348	-0.231	-0.500	-0.537	-0.316	0.491
37	SHOULDER CIRCUMFER	0.401	0.330	0.264	0.225	0.210	0.195	0.188	0.190
54	AXILLARY ARM CIRC		0.195	0.250	0.245	0.201	0.209	0.157	0.157
63	BIACROMIAL BREADTH			0.247	0.242	0.252	0.250	0.257	0.260
65	CHEST BREADTH				0.147	0.144	0.129	0.124	0.133
77	BUTTOCK DEPTH					0.128	0.126	0.107	0.109
82	INTERCYE						0.053	0.055	0.054
57	BICEPS C,RELAXED,L							0.083	0.087
72	FEMORAL BREADTH, R								-0.182
	MULTIPLE CORRELATIONS	0.890	0.898	0.909	0.912	0.915	0.916	0.916	0.917
	ST ERRORS OF ESTIMATE	1.053	1.018	0.965	0.950	0.937	0.932	0.928	0.925

EQUATIONS FOR ESTIMATING CHEST BREADTH NO. 65

	CONSTANT	-3.723	-0.578	-0.411	-0.872	-1.081	-1.261	0.622	-0.316
37	SHOULDER CIRCUMFER	0.286	0.175	0.119	0.095	0.054	0.046	0.052	0.045
40	CHEST C BELOW BUST		0.148	0.116	0.117	0.115	0.103	0.105	0.105
38	CHEST CIRC AT SCYE			0.093	0.085	0.074	0.071	0.070	0.068
82	INTERCYE				0.099	0.093	0.078	0.079	0.088
64	BIDELTOID BREADTH					0.134	0.137	0.139	0.136
84	BACK CURVATURE						0.060	0.060	0.061
33	THUMB-TIP REACH							-0.036	-0.069
34	THUMB-TIP,EXTENDED								0.048
	MULTIPLE CORRELATIONS	0.769	0.801	0.808	0.813	0.817	0.819	0.822	0.828
	ST ERRORS OF ESTIMATE	1.225	1.146	1.129	1.115	1.106	1.099	1.091	1.076

EQUATIONS FOR ESTIMATING BUSTPOINT-TO-BUSTPOINT BREADTH NO. 66

	CONSTANT	1.035	2.269	2.803	4.352	6.617	5.180	5.882	5.805
39	BUST CIRCUMFERENCE	0.195	0.262	0.273	0.258	0.252	0.255	0.261	0.233
38	CHEST CIRC AT SCYE		-0.086	-0.071	-0.089	-0.090	-0.090	-0.092	-0.085
84	BACK CURVATURE			-0.066	-0.076	-0.075	-0.077	-0.074	-0.074
2	WEIGHT				0.030	0.041	0.034	0.047	0.044
25	MIDSHOULDER HT,SIT					-0.040	-0.051	-0.058	-0.055
31	ACROMION-RADIALE L						0.074	0.066	0.064
76	ABDOMINAL EXT DPTH							-0.062	-0.072
74	CHEST DEPTH								0.096
	MULTIPLE CORRELATIONS	0.720	0.731	0.738	0.742	0.745	0.748	0.749	0.751
	ST ERRORS OF ESTIMATE	1.075	1.057	1.046	1.038	1.034	1.029	1.027	1.024

TABLE XXVIII

STEPWISE MULTIPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING WAIST BREADTH — NO. 67

	CONSTANT	3.093	-1.184	-0.794	-1.541	-1.405	-1.633	-1.065	-0.875
41	WAIST CIRCUMFERNCE	0.313	0.304	0.349	0.335	0.332	0.331	0.333	0.333
8	STATURE, MAXIMUM		0.030	0.027	0.025	0.032	0.018	-0.031	-0.034
75	WAIST DEPTH			-0.172	-0.180	-0.164	-0.165	-0.175	-0.158
84	BACK CURVATURE				0.051	0.054	0.052	0.052	0.052
26	WAIST HGHT,SITTING					-0.063	-0.090	-0.112	-0.108
25	MIDSHOULDER HT,SIT						0.057	0.087	0.092
13	WAIST HEIGHT							0.062	0.062
1	AGE								-0.016
	MULTIPLE CORRELATIONS	0.886	0.891	0.894	0.897	0.898	0.899	0.901	0.902
	ST ERROPS OF ESTIMATE	0.896	0.880	0.867	0.858	0.853	0.847	0.842	0.837

EQUATIONS FOR ESTIMATING HIP BREADTH — NO. 68

	CONSTANT	3.624	4.341	4.015	1.820	2.540	3.689	3.123	2.633
44	HIP C-9" BLW WAIST	0.329	0.192	0.236	0.222	0.233	0.235	0.229	0.225
69	THIGH-THIGH BR,SIT		0.323	0.332	0.354	0.352	0.349	0.353	0.354
77	BUTTOCK DEPTH			-0.199	-0.195	-0.169	-0.172	-0.168	-0.175
87	SLEEVE INSEAM				0.059	0.057	0.060	0.053	0.052
39	BUST CIRCUMFERENCE					-0.024	-0.023	-0.026	-0.034
113	BIOCULAR BREADTH						-0.143	-0.162	-0.162
70	HUMERAL BREADTH, R							0.271	0.248
64	BIDELTOID BREADTH								0.045
	MULTIPLE CORRELATIONS	0.893	0.913	0.918	0.920	0.921	0.921	0.922	0.922
	ST ERRORS OF ESTIMATE	0.998	0.905	0.881	0.870	0.865	0.863	0.860	0.858

EQUATIONS FOR ESTIMATING THIGH-TO-THIGH BREADTH, SITTING — NO. 69

	CONSTANT	-2.111	-4.169	1.480	0.576	0.732	-0.784	0.887	0.847
44	HIP C-9" BLW WAIST	0.423	0.242	0.252	0.110	0.030	0.038	0.046	0.040
68	HIP BREADTH		0.552	0.563	0.554	0.558	0.539	0.527	0.522
14	ABDOMINAL EXT HGT			-0.075	-0.082	-0.076	-0.053	-0.046	-0.047
52	BUTTOCK CIRC, SIT				0.154	0.144	0.147	0.155	0.147
45	UPPER THIGH CIRCUM					0.140	0.187	0.182	0.159
78	THIGH CLEARANCE						-0.292	-0.262	-0.287
62	WRIST CIRCUMFERNCE							-0.238	-0.323
46	KNEE CIRCUMFERENCE								0.125
	MULTIPLE CORRELATIONS	0.890	0.910	0.917	0.924	0.929	0.933	0.934	0.935
	ST ERRORS OF ESTIMATE	1.305	1.183	1.140	1.094	1.063	1.033	1.024	1.013

TABLE XXVIII

STEPWISE MULTIPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING HUMERAL BREADTH, RIGHT — NO. 70

	CONSTANT	2.139	0.967	0.744	0.468	0.307	0.128	0.113	0.116
62	WRIST CIRCUMFERNCE	0.267	0.213	0.129	0.110	0.104	0.079	0.077	0.076
11	SUPRASTERNALE HGHT		0.015	0.015	0.013	0.012	0.011	0.010	0.015
60	FOREARM C, RELAXED			0.063	0.052	0.072	0.068	0.069	0.068
73	FEMORAL BREADTH, L				0.133	0.138	0.135	0.130	0.130
4	SUBSCAPULAR SKINFD					-0.099	-0.085	-0.086	-0.082
92	HAND BREADTH						0.104	0.103	0.104
21	LAT'L MALLEOLUS HT							0.030	0.033
16	BUTTOCK HEIGHT								-0.008
	MULTIPLE CORRELATIONS	0.618	0.662	0.692	0.710	0.723	0.730	0.732	0.734
	ST ERRORS OF ESTIMATE	0.241	0.230	0.222	0.216	0.212	0.210	0.209	0.209

EQUATIONS FOR ESTIMATING HUMERAL BREADTH, LEFT — NO. 71

	CONSTANT	2.181	0.877	0.795	0.450	0.312	0.127	0.156	0.247
62	WRIST CIRCUMFERNCE	0.262	0.208	0.125	0.109	0.103	0.080	0.076	0.079
11	SUPRASTERNALE HGHT		0.016	0.015	0.014	0.013	0.012	0.011	0.011
60	FOREARM C, RELAXED			0.062	0.053	0.072	0.069	0.061	0.048
73	FEMORAL BREADTH, L				0.114	0.119	0.117	0.117	0.114
4	SUBSCAPULAR SKINFD					-0.099	-0.087	-0.087	-0.101
92	HAND BREADTH						0.097	0.097	0.097
59	ELBOW CIRC, FLEXED							0.013	0.011
58	BICEPS C,FLEXED, L								0.010
	MULTIPLE CORRELATIONS	0.618	0.664	0.693	0.708	0.721	0.728	0.730	0.731
	ST ERRORS OF ESTIMATE	0.237	0.225	0.217	0.213	0.209	0.207	0.206	0.206

EQUATIONS FOR ESTIMATING FEMORAL BREADTH, RIGHT — NO. 72

	CONSTANT	4.341	2.622	1.932	2.000	2.239	2.072	2.303	2.145
46	KNEE CIRCUMFERENCE	0.104	0.076	0.070	0.088	0.076	0.075	0.077	0.077
70	HUMERAL BREADTH, R		0.446	0.418	0.416	0.378	0.354	0.367	0.354
117	BIGONIAL BREADTH			0.106	0.107	0.098	0.087	0.093	0.088
77	BUTTOCK DEPTH				-0.034	-0.047	-0.056	-0.046	-0.043
78	THIGH CLEARANCE					0.064	0.058	0.059	0.057
65	CHEST BREADTH						0.026	0.041	0.037
64	BIDELTOID BREADTH							-0.026	-0.030
88	SPINE-TO-SCYE LGTH								0.026
	MULTIPLE CORRELATIONS	0.524	0.588	0.601	0.609	0.623	0.629	0.634	0.637
	ST ERRORS OF ESTIMATE	0.384	0.365	0.361	0.358	0.353	0.351	0.350	0.348

TABLE XXVIII

STEPWISE MULTIPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING FEMORAL BREADTH, LEFT — NO. 73

	CONSTANT	4.292	2.597	1.837	2.001	2.111	1.933	2.165	2.017
46	KNEE CIRCUMFERENCE	0.106	0.077	0.071	0.058	0.075	0.074	0.076	0.074
70	HUMERAL BREADTH, R		0.448	0.418	0.395	0.384	0.360	0.371	0.348
117	BIGONIAL BREADTH			0.114	0.108	0.106	0.096	0.101	0.100
78	THIGH CLEARANCE				0.041	0.056	0.050	0.050	0.047
77	BUTTOCK DEPTH					-0.039	-0.048	-0.039	-0.036
65	CHEST BREADTH						0.026	0.040	0.040
64	BIDELTOID BREADTH							-0.024	-0.024
21	LAT'L MALLEOLUS HT								0.051
	MULTIPLE CORRELATIONS	0.547	0.613	0.628	0.634	0.644	0.650	0.654	0.658
	ST ERRORS OF ESTIMATE	0.367	0.346	0.341	0.339	0.335	0.333	0.332	0.331

EQUATIONS FOR ESTIMATING CHEST DEPTH — NO. 74

	CONSTANT	-3.095	-2.596	-1.738	-2.423	-0.559	-0.896	-1.035	0.506
39	BUST CIRCUMFERENCE	0.298	0.261	0.291	0.272	0.272	0.250	0.228	0.225
76	ABDOMINAL EXT DPTH		0.135	0.150	0.144	0.142	0.121	0.122	0.089
65	CHEST BREADTH			-0.138	-0.131	-0.103	-0.135	-0.133	-0.139
80	NECK-BUST POINT L				0.091	0.097	0.107	0.104	0.095
63	BIACROMIAL BREADTH					-0.077	-0.084	-0.083	-0.104
40	CHEST C BELOW BUST						0.049	0.053	0.044
66	BUSTPT-BUSTPT BRTH							0.096	0.088
2	WEIGHT								0.024
	MULTIPLE CORRELATIONS	0.880	0.885	0.890	0.893	0.895	0.897	0.898	0.899
	ST ERRORS OF ESTIMATE	0.919	0.899	0.881	0.871	0.864	0.856	0.851	0.847

EQUATIONS FOR ESTIMATING WAIST DEPTH — NO. 75

	CONSTANT	2.809	-0.183	1.493	1.682	1.369	1.141	2.162	1.315
76	ABDOMINAL EXT DPTH	0.680	0.405	0.448	0.436	0.418	0.421	0.416	0.416
41	WAIST CIRCUMFERNCE		0.130	0.153	0.186	0.189	0.184	0.183	0.182
43	HIP C-7" BLW WAIST			-0.044	-0.041	-0.077	-0.069	-0.069	-0.069
67	WAIST BREADTH				-0.101	-0.111	-0.110	-0.105	-0.108
52	BUTTOCK CIRC, SIT					0.041	0.057	0.063	0.061
69	THIGH-THIGH BR,SIT						-0.049	-0.055	-0.053
34	THUMB-TIP,EXTENDED							-0.016	-0.016
117	BIGONIAL BREADTH								0.109
	MULTIPLE CORRELATIONS	0.861	0.897	0.900	0.902	0.903	0.904	0.905	0.906
	ST ERRORS OF ESTIMATE	0.949	0.741	0.728	0.723	0.718	0.715	0.711	0.709

TABLE XXVIII

STEPWISE MULTIPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING ABDOMINAL EXTENSION DEPTH NO. 76

	CONSTANT	2.311	-1.210	-2.564	-2.432	-1.524	3.050	4.290	4.345
75	WAIST DEPTH	1.092	0.710	0.607	0.603	0.578	0.554	0.540	0.531
42	ABDOMINAL EXT CIRC		0.117	0.088	0.090	0.079	0.074	0.072	0.069
77	BUTTOCK DEPTH			0.269	0.280	0.227	0.192	0.192	0.196
125	GRIP STRENGTH				-0.019	-0.026	-0.026	-0.026	-0.027
2	WEIGHT					0.031	0.055	0.069	0.068
22	SITTING HT,RELAXED						-0.052	-0.051	-0.053
49	ANKLE CIRCUMFERNCE							-0.079	-0.069
1	AGE								0.011
	MULTIPLE CORRELATIONS	0.861	0.902	0.915	0.916	0.917	0.920	0.920	0.921
	ST ERRORS OF ESTIMATE	1.076	0.916	0.858	0.852	0.845	0.834	0.830	0.828

EQUATIONS FOR ESTIMATING BUTTOCK DEPTH NO. 77

	CONSTANT	-3.473	-1.592	-0.854	1.565	-0.277	0.597	0.970	4.528
43	HIP C-7" BLW WAIST	0.263	0.180	0.094	0.100	0.085	0.079	0.106	0.087
76	ABDOMINAL EXT DPTH		0.282	0.271	0.273	0.268	0.246	0.230	0.194
45	UPPER THIGH CIRCUM			0.136	0.138	0.136	0.121	0.136	0.118
116	BIZYGOMATIC BRDTH				-0.243	-0.264	-0.245	-0.259	-0.305
30	BUTTOCK-KNEE LNGTH					0.065	0.193	0.206	0.187
17	GLUTEAL FURROW HGT						-0.091	-0.096	-0.104
68	HIP BREADTH							-0.103	-0.110
2	WEIGHT								0.043
	MULTIPLE CORRELATIONS	0.820	0.847	0.862	0.865	0.868	0.877	0.879	0.882
	ST ERRORS OF ESTIMATE	1.024	0.953	0.909	0.899	0.888	0.861	0.853	0.847

EQUATIONS FOR ESTIMATING THIGH CLEARANCE NO. 78

	CONSTANT	5.566	6.016	3.533	1.465	2.708	-0.988	1.104	2.344
2	WEIGHT	0.119	0.125	0.114	0.081	0.094	0.068	0.094	0.101
1	AGE		-0.034	-0.035	-0.033	-0.025	-0.021	-0.020	-0.018
72	FEMORAL BREADTH, R			0.387	0.406	0.389	0.360	0.332	0.313
45	UPPER THIGH CIRCUM				0.068	0.131	0.149	0.146	0.143
69	THIGH-THIGH BR,SIT					-0.145	-0.125	-0.132	-0.137
19	CROTCH HEIGHT						0.048	0.039	0.058
41	WAIST CIRCUMFERNCE							-0.034	-0.034
33	THUMB-TIP REACH								-0.035
	MULTIPLE CORRELATIONS	0.714	0.734	0.744	0.754	0.773	0.783	0.787	0.791
	ST ERRORS OF ESTIMATE	0.877	0.851	0.837	0.823	0.796	0.780	0.774	0.768

TABLE XXVIII

STEPWISE MULTIPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING SHOULDER LENGTH — NO. 79

	CONSTANT	0.861	-0.689	-1.814	-0.315	0.154	0.861	-0.430	-0.577
63	BIACROMIAL BREADTH	0.385	0.347	0.324	0.367	0.387	0.392	0.361	0.348
87	SLEEVE INSEAM		0.056	0.068	0.061	0.057	0.090	0.053	0.042
80	NECK-BUST POINT L			0.073	0.324	0.335	0.331	0.316	0.377
81	STRAP LENGTH				-0.140	-0.113	-0.107	-0.117	-0.098
39	BUST CIRCUMFERENCE					-0.034	-0.031	-0.020	-0.031
10	ACROMIAL HEIGHT						-0.022	-0.180	-0.237
9	CERVICALE HEIGHT							0.179	0.131
12	BUSTPOINT HEIGHT								0.114
	MULTIPLE CORRELATIONS	0.618	0.634	0.648	0.686	0.698	0.702	0.741	0.754
	ST ERRORS OF ESTIMATE	0.803	0.790	0.779	0.744	0.732	0.728	0.687	0.673

EQUATIONS FOR ESTIMATING NECK-TO-BUSTPOINT LENGTH — NO. 80

	CONSTANT	-2.811	-4.563	-1.301	-1.506	-0.228	-0.430	1.219	0.969
81	STRAP LENGTH	0.434	0.424	0.442	0.416	0.424	0.425	0.418	0.347
79	SHOULDER LENGTH		0.164	0.343	0.360	0.338	0.332	0.348	0.417
63	BIACROMIAL BREADTH			-0.197	-0.205	-0.174	-0.178	-0.155	-0.153
74	CHEST DEPTH				0.082	0.101	0.102	0.111	0.140
36	NECK CIRCUMFERENCE					-0.090	-0.105	-0.097	-0.073
20	ANKLE HEIGHT						0.076	0.096	0.077
12	BUSTPOINT HEIGHT							-0.025	-0.201
10	ACROMIAL HEIGHT								0.177
	MULTIPLE CORRELATIONS	0.900	0.904	0.914	0.916	0.918	0.920	0.921	0.931
	ST ERRORS OF ESTIMATE	0.823	0.807	0.769	0.760	0.750	0.744	0.735	0.689

EQUATIONS FOR ESTIMATING STRAP LENGTH — NO. 81

	CONSTANT	17.571	7.540	3.264	5.561	3.341	1.453	1.625	1.512
80	NECK-BUST POINT L	1.869	1.652	1.633	1.658	1.688	1.669	1.677	1.672
37	SHOULDER CIRCUMFER		0.155	0.113	0.127	0.095	0.083	0.076	0.050
36	NECK CIRCUMFERENCE			0.266	0.256	0.221	0.210	0.238	0.237
79	SHOULDER LENGTH				-0.273	-0.473	-0.475	-0.470	-0.467
63	BIACROMIAL BREADTH					0.245	0.237	0.253	0.245
85	ANTERIOR WAIST LTH						0.127	0.133	0.139
20	ANKLE HEIGHT							-0.131	-0.139
82	INTERSCYE								0.086
	MULTIPLE CORRELATIONS	0.900	0.917	0.922	0.924	0.927	0.929	0.930	0.930
	ST ERRORS OF ESTIMATE	1.708	1.566	1.520	1.498	1.475	1.458	1.448	1.440

TABLE XXVIII

STEPWISE MULTIPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING INTERSCYE CURVATURE NO. 82

	CONSTANT	3.528	-0.646	-1.630	-1.871	-1.374	1.960	2.091	1.745
37	SHOULDER CIRCUMFER	0.314	0.243	0.205	0.159	0.204	0.205	0.181	0.205
88	SPINE-TO-SCYE LGTH		0.555	0.456	0.436	0.428	0.437	0.426	0.420
83	INTERSCYE, MAXIMUM			0.138	0.132	0.144	0.154	0.148	0.147
84	BACK CURVATURE				0.132	0.141	0.139	0.125	0.125
53	SCYE CIRCUMFERENCE					-0.157	-0.140	-0.148	-0.106
14	ABDOMINAL FXT HGT						-0.050	-0.048	-0.056
65	CHEST BREADTH							0.125	0.126
56	BICEPS C,FLEXED, R								-0.102
	MULTIPLE CORRELATIONS	0.662	0.715	0.729	0.740	0.746	0.751	0.753	0.755
	ST ERRORS OF ESTIMATE	1.830	1.708	1.672	1.644	1.627	1.614	1.608	1.603

EQUATIONS FOR ESTIMATING INTERSCYE CURVATURE, MAXIMUM NO. 83

	CONSTANT	12.539	7.315	3.897	4.283	-0.245	-1.102	0.644	2.085
37	SHOULDER CIRCUMFER	0.367	0.274	0.268	0.197	0.177	0.143	0.149	0.162
88	SPINE-TO-SCYE LGTH		0.715	0.679	0.519	0.471	0.453	0.446	0.433
20	ANKLE HEIGHT			0.425	0.404	0.258	0.241	0.248	0.219
82	INTERSCYE				0.292	0.317	0.315	0.315	0.309
18	TIBIALE HEIGHT					0.197	0.191	0.196	0.323
80	NECK-BUST POINT L						0.202	0.197	0.189
118	NASAL BREADTH							-0.741	-0.704
15	TROCHANTERIC HGHT								-0.087
	MULTIPLE CORRELATIONS	0.573	0.628	0.652	0.669	0.680	0.688	0.691	0.695
	ST ERRORS OF ESTIMATE	2.694	2.559	2.495	2.445	2.412	2.391	2.379	2.369

EQUATIONS FOR ESTIMATING BACK CURVATURE NO. 84

	CONSTANT	11.746	6.743	3.001	5.826	2.624	3.572	4.432	4.647
40	CHEST C BELOW BUST	0.409	0.315	0.225	0.207	0.203	0.209	0.174	0.146
82	INTERSCYE		0.342	0.250	0.257	0.251	0.261	0.256	0.234
37	SHOULDER CIRCUMFER			0.136	0.170	0.145	0.135	0.107	0.078
79	SHOULDER LENGTH				-0.351	-0.465	-0.454	-0.442	-0.435
89	SPINE-TO-ELBOW LTH					0.148	0.176	0.169	0.164
20	ANKLE HEIGHT						-0.214	-0.231	-0.224
67	WAIST BREADTH							0.212	0.210
65	CHEST BREADTH								0.203
	MULTIPLE CORRELATIONS	0.652	0.691	0.702	0.710	0.716	0.722	0.727	0.731
	ST ERRORS OF ESTIMATE	2.316	2.209	2.177	2.152	2.134	2.116	2.100	2.088

TABLE XXVIII

STEPWISE MULTIPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING WAIST BACK NO. 85

	CONSTANT	1.221	-0.177	1.492	-0.914	-0.138	1.470	1.389	1.116
23	SITTING HEIGHT	0.459	0.611	0.371	0.282	0.181	0.353	0.294	0.488
26	WAIST HGHT,SITTING		-0.497	-0.548	-0.535	-0.379	-0.443	-0.442	-0.437
25	MIDSHOULDER HT,SIT			0.346	0.312	0.222	0.171	0.162	0.160
9	CERVICALE HEIGHT				0.084	0.422	0.641	0.674	0.672
13	WAIST HEIGHT					-0.375	-0.285	-0.249	-0.249
7	STATURE						-0.317	-0.271	-0.263
16	BUTTOCK HEIGHT							-0.122	-0.126
22	SITTING HT,RELAXED								-0.202
	MULTIPLE CORRELATIONS	0.657	0.732	0.757	0.769	0.807	0.820	0.825	0.828
	ST ERRORS OF ESTIMATE	1.671	1.510	1.448	1.417	1.310	1.271	1.256	1.245

EQUATIONS FOR ESTIMATING ANTERIOR WAIST LENGTH NO. 86

	CONSTANT	9.024	5.370	6.606	1.752	-0.969	0.968	1.925	1.886
50	VERTICAL TRUNK CIR	0.159	0.126	0.153	0.120	0.062	0.067	0.022	0.028
85	WAIST BACK		0.216	0.191	0.031	0.045	0.053	-0.045	-0.047
26	WAIST HGHT,SITTING			-0.188	-0.342	-0.349	-0.324	-0.094	-0.092
23	SITTING HEIGHT				0.234	0.285	0.338	0.059	0.057
39	BUST CIRCUMFERENCE					0.077	0.080	0.074	0.077
13	WAIST HEIGHT						-0.084	-0.703	-0.701
11	SUPRASTERNALE HGHT							0.690	0.685
1	AGE								-0.021
	MULTIPLE CORRELATIONS	0.557	0.597	0.614	0.645	0.665	0.682	0.837	0.839
	ST ERRORS OF ESTIMATE	1.626	1.570	1.545	1.497	1.463	1.433	1.073	1.066

EQUATIONS FOR ESTIMATING SLEEVE INSEAM NO. 87

	CONSTANT	-1.713	-1.215	1.592	2.788	2.139	1.460	1.921	1.756
90	SPINE-TO-WRIST LTH	0.576	0.337	0.398	0.497	0.406	0.370	0.386	0.390
32	RADIALE-STYLION L		0.792	0.713	0.584	0.476	0.441	0.447	0.400
55	BICEPS C,RELAXED,R			-0.227	-0.186	-0.175	-0.182	-0.095	-0.087
88	SPINE-TO-SCYE LGTH				-0.349	-0.305	-0.300	-0.292	-0.301
19	CROTCH HEIGHT					0.124	0.103	0.107	0.104
33	THUMB-TIP REACH						0.081	0.084	0.082
53	SCYE CIRCUMFERENCE							-0.129	-0.139
20	ANKLE HEIGHT								0.149
	MULTIPLE CORRELATIONS	0.792	0.849	0.874	0.888	0.897	0.901	0.904	0.908
	ST ERRORS OF ESTIMATE	1.475	1.278	1.176	1.111	1.070	1.048	1.033	1.016

TABLE XXVIII

STEPWISE MULTIPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING SPINE-TO-SCYE LENGTH (SLEEVE LENGTH SEGMENT) NO. 88

	CONSTANT	9.463	0.678	2.871	3.449	2.943	2.173	2.320	1.374
82	INTERSCYE	0.311	0.227	0.192	0.185	0.146	0.142	0.156	0.155
89	SPINE-TO-ELBOW LTH		0.220	0.355	0.413	0.387	0.250	0.240	0.243
87	SLEEVE INSEAM			-0.185	-0.127	-0.128	-0.189	-0.203	-0.193
31	ACROMION-RADIALE L				-0.193	-0.190	-0.206	-0.200	-0.214
83	INTERSCYE, MAXIMUM					0.065	0.059	0.065	0.059
90	SPINE-TO-WRIST LTH						0.147	0.166	0.155
77	BUTTOCK DEPTH							-0.070	-0.079
72	FEMORAL BREADTH, R								0.268
	MULTIPLE CORRELATIONS	0.559	0.664	0.707	0.721	0.731	0.737	0.741	0.746
	ST ERRORS OF ESTIMATE	1.126	1.015	0.961	0.942	0.927	0.918	0.912	0.906

EQUATIONS FOR ESTIMATING SPINE-TO-ELBOW LENGTH (SLEEVE LENGTH SEGMENT) NO. 89

	CONSTANT	-1.641	-0.941	-1.643	-1.862	-1.761	-2.208	-3.586	-3.576
90	SPINE-TO-WRIST LTH	0.678	0.834	0.791	0.748	0.767	0.742	0.737	0.728
32	RADIALE-STYLION L		-0.518	-0.461	-0.468	-0.424	-0.414	-0.412	-0.413
88	SPINE-TO-SCYE LGTH			0.137	0.164	0.156	0.159	0.154	0.164
31	ACROMION-RADIALE L				0.105	0.150	0.170	0.162	0.151
19	CROTCH HEIGHT					-0.052	-0.055	-0.060	-0.061
79	SHOULDER LENGTH						0.119	0.108	0.092
22	SITTING HT,RELAXED							0.031	0.056
27	ELBOW REST HEIGHT								-0.041
	MULTIPLE CORRELATIONS	0.935	0.956	0.958	0.959	0.961	0.962	0.962	0.963
	ST ERRORS OF ESTIMATE	0.854	0.705	0.688	0.680	0.670	0.662	0.656	0.653

EQUATIONS FOR ESTIMATING SPINE-TO-WRIST LENGTH (SLEEVE LENGTH) NO. 90

	CONSTANT	10.858	5.673	5.353	3.804	3.452	3.066	2.401	2.284
89	SPINE-TO-ELBOW LTH	1.289	1.052	0.988	0.944	0.927	0.888	0.884	0.879
32	RADIALE-STYLION L		0.762	0.548	0.511	0.466	0.460	0.452	0.446
87	SLEEVE INSEAM			0.198	0.233	0.186	0.207	0.210	0.199
60	FOREARM C, RELAXED				0.137	0.127	0.119	0.099	0.091
19	CROTCH HEIGHT					0.062	0.063	0.060	0.056
88	SPINE-TO-SCYE LGTH						0.088	0.087	0.090
92	HAND BREADTH							0.218	0.208
34	THUMB-TIP,EXTENDED								0.018
	MULTIPLE CORRELATIONS	0.935	0.971	0.974	0.976	0.977	0.977	0.977	0.978
	ST ERRORS OF ESTIMATE	1.178	0.792	0.746	0.728	0.713	0.708	0.704	0.701

TABLE XXVIII

STEPWISE MULTIPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING HAND LENGTH — NO. 91

	CONSTANT	3.774	2.235	0.597	0.863	-0.011	0.380	-0.057	-0.152
94	FOOT LENGTH	0.607	0.488	0.423	0.454	0.416	0.421	0.415	0.417
31	ACROMION-RADIALE L		0.142	0.136	0.139	0.103	0.105	0.107	0.100
93	HAND CIRCUMFERENCE			0.185	0.190	0.186	0.220	0.207	0.197
20	ANKLE HEIGHT				-0.107	-0.116	-0.116	-0.112	-0.119
28	POPLITEAL HEIGHT					0.075	0.069	0.066	0.056
57	BICEPS C,RELAXED,L						-0.037	-0.035	-0.035
119	LIP LENGTH							0.179	0.187
21	LAT'L MALLEOLUS HT								0.133
	MULTIPLE CORRELATIONS	0.714	0.740	0.756	0.770	0.777	0.782	0.786	0.789
	ST ERRORS OF ESTIMATE	0.672	0.645	0.628	0.613	0.605	0.599	0.595	0.590

EQUATIONS FOR ESTIMATING HAND BREADTH — NO. 92

	CONSTANT	1.766	0.939	1.507	0.786	0.973	0.863	1.085	1.018
93	HAND CIRCUMFERENCE	0.316	0.281	0.284	0.278	0.265	0.260	0.265	0.254
94	FOOT LENGTH		0.061	0.066	0.062	0.058	0.055	0.059	0.049
114	BIAURICULAR BRDTH			-0.047	-0.059	-0.061	-0.055	-0.045	-0.048
97	HEAD BREADTH				0.077	0.077	0.067	0.071	0.072
125	GRIP STRENGTH					0.006	0.006	0.006	0.006
119	LIP LENGTH						0.074	0.090	0.088
113	BIOCULAR BREADTH							-0.072	-0.071
95	FOOT BREADTH								0.061
	MULTIPLE CORRELATIONS	0.736	0.752	0.761	0.769	0.773	0.776	0.781	0.783
	ST ERRORS OF ESTIMATE	0.264	0.257	0.253	0.249	0.248	0.246	0.244	0.243

EQUATIONS FOR ESTIMATING HAND CIRCUMFERENCE — NO. 93

	CONSTANT	5.363	1.558	1.354	0.875	1.373	0.586	0.864	1.100
92	HAND BREADTH	1.715	1.151	1.138	1.083	1.071	1.080	1.043	1.048
62	WRIST CIRCUMFERNCE		0.539	0.424	0.394	0.400	0.384	0.378	0.386
61	FOREARM C, FLEXED			0.081	0.078	0.106	0.101	0.091	0.099
95	FOOT BREADTH				0.160	0.171	0.162	0.166	0.161
68	HIP BREADTH					-0.037	-0.035	-0.034	-0.028
113	BIOCULAR BREADTH						0.113	0.110	0.110
125	GRIP STRENGTH							0.010	0.010
84	BACK CURVATURE								-0.018
	MULTIPLE CORRELATIONS	0.736	0.814	0.820	0.823	0.826	0.829	0.830	0.832
	ST ERRORS OF ESTIMATE	0.614	0.528	0.520	0.516	0.511	0.509	0.507	0.505

TABLE XXVIII

STEPWISE MULTIPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING FOOT LENGTH NO. 94

	CONSTANT	8.645	2.273	0.047	-0.542	-0.361	-2.557	-2.577	-2.540
91	HAND LENGTH	0.839	0.542	0.468	0.466	0.456	0.442	0.465	0.476
9	CEPVICALE HEIGHT		0.085	0.077	0.071	0.051	0.050	0.046	0.051
95	FOOT BREADTH			0.530	0.438	0.406	0.387	0.367	0.363
49	ANKLE CIRCUMFERNCE				0.108	0.115	0.105	0.107	0.111
32	RADIALE-STYLION L					0.125	0.116	0.096	0.087
98	HEAD CIRCUMFERENCE						0.058	0.058	0.057
20	ANKLE HEIGHT							0.066	0.073
21	LAT'L MALLEOLUS HT								-0.115
	MULTIPLE CORRELATIONS	0.714	0.788	0.816	0.823	0.831	0.834	0.837	0.839
	ST ERRORS OF ESTIMATE	0.790	0.695	0.652	0.641	0.629	0.623	0.618	0.615

EQUATIONS FOR ESTIMATING FOOT BREADTH NO. 95

	CONSTANT	3.404	1.830	1.470	1.705	1.556	1.067	1.540	1.437
94	FOOT LENGTH	0.227	0.163	0.148	0.153	0.146	0.142	0.143	0.135
93	HAND CIRCUMFERENCE		0.170	0.145	0.153	0.146	0.144	0.152	0.113
47	CALF CIRCUM, RIGHT			0.034	0.040	0.041	0.040	0.042	0.041
80	NECK-BUST POINT L				-0.027	-0.027	-0.027	-0.025	-0.026
118	NASAL BREADTH					0.129	0.141	0.156	0.147
114	BIAURICULAR BRDTH						0.039	0.044	0.050
116	BIZYGOMATIC BRDTH							-0.069	-0.075
92	HAND BREADTH								0.143
	MULTIPLE CORRELATIONS	0.515	0.583	0.600	0.607	0.613	0.617	0.622	0.626
	ST ERRORS OF ESTIMATE	0.427	0.404	0.399	0.396	0.394	0.392	0.391	0.389

EQUATIONS FOR ESTIMATING HEAD LENGTH NO. 96

	CONSTANT	2.554	1.395	2.675	2.254	2.416	2.415	2.658	2.375
98	HEAD CIRCUMFERENCE	0.289	0.224	0.263	0.256	0.274	0.265	0.266	0.265
107	PRONASALE TO WALL		0.223	0.200	0.186	0.182	0.185	0.192	0.192
97	HEAD BREADTH			-0.202	-0.214	-0.192	-0.183	-0.184	-0.188
121	MENTON-SELLION LTH				0.120	0.127	0.122	0.120	0.113
112	BITRAGION-CORONAL					-0.043	-0.053	-0.054	-0.055
101	PRONASALE-TOP HEAD						0.047	0.051	0.049
20	ANKLE HEIGHT							-0.039	-0.047
21	LAT'L MALLEOLUS HT								0.092
	MULTIPLE CORRELATIONS	0.692	0.744	0.761	0.767	0.771	0.774	0.778	0.782
	ST ERRORS OF ESTIMATE	0.490	0.454	0.441	0.436	0.433	0.430	0.427	0.424

TABLE XXVIII

STEPWISE MULTIPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING HEAD BREADTH NO. 97

	CONSTANT	5.519	2.970	1.810	2.533	2.795	2.843	2.809	2.515
115	BITRAGION BREADTH	0.698	0.601	0.561	0.527	0.528	0.525	0.533	0.433
112	BITRAGION-CORONAL		0.112	0.087	0.076	0.073	0.086	0.050	0.046
98	HEAD CIRCUMFERENCE			0.046	0.109	0.119	0.126	0.132	0.133
96	HEAD LENGTH				-0.183	-0.141	-0.123	-0.103	-0.106
108	SUBNASALE TO WALL					-0.076	-0.080	-0.117	-0.113
103	STOMION-TOP HEAD						-0.061	-0.131	-0.128
99	TRAGION-TOP HEAD							0.191	0.191
116	BIZYGOMATIC BRDTH								0.123
	MULTIPLE CORRELATIONS	0.586	0.638	0.646	0.662	0.671	0.678	0.698	0.703
	ST ERRORS OF ESTIMATE	0.482	0.458	0.454	0.446	0.442	0.438	0.427	0.424

EQUATIONS FOR ESTIMATING HEAD CIRCUMFERENCE NO. 98

	CONSTANT	24.397	13.950	8.275	6.550	5.307	3.816	3.279	3.237
96	HEAD LENGTH	1.655	1.408	1.407	1.210	1.049	1.044	1.055	1.056
112	BITRAGION-CORONAL		0.442	0.324	0.252	0.243	0.238	0.233	0.225
97	HEAD BREADTH			0.668	0.625	0.644	0.474	0.490	0.487
111	SAGITTAL CURVATURE				0.242	0.240	0.237	0.239	0.237
108	SUBNASALE TO WALL					0.219	0.201	0.204	0.183
115	BITRAGION BREADTH						0.363	0.405	0.377
1	AGE							-0.017	-0.018
77	BUTTOCK DEPTH								0.057
	MULTIPLE CORRELATIONS	0.692	0.784	0.815	0.836	0.843	0.848	0.851	0.853
	ST ERRORS OF ESTIMATE	1.172	1.008	0.942	0.892	0.873	0.862	0.855	0.850

EQUATIONS FOR ESTIMATING TRAGION TO TOP OF HEAD NO. 99

	CONSTANT	5.137	1.523	-0.348	0.091	-0.250	-0.004	0.870	0.341
100	ECTOCANTHUS-TOP HD	0.645	0.560	0.569	0.695	0.728	0.725	0.724	0.722
112	BITRAGION-CORONAL		0.136	0.123	0.125	0.120	0.119	0.137	0.124
110	MENTON TO WALL			0.121	0.105	0.101	0.107	0.122	0.127
101	PRONASALE-TOP HEAD				-0.115	-0.143	-0.135	-0.124	-0.116
122	SUBNASALE-SELLION					0.134	0.142	0.154	0.134
124	EAR BREADTH						-0.148	-0.144	-0.137
98	HEAD CIRCUMFERENCE							-0.036	-0.049
97	HEAD BREADTH								0.108
	MULTIPLE CORRELATIONS	0.776	0.809	0.828	0.833	0.836	0.838	0.840	0.843
	ST ERRORS OF ESTIMATE	0.482	0.450	0.428	0.423	0.420	0.417	0.415	0.412

TABLE XXVIII

STEPWISE MULTIPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING ECTOCANTHUS TO TOP OF HEAD NO. 100

	CONSTANT	0.037	-2.389	-1.362	-1.081	-1.343	-0.689	-0.246	-0.441
102	SUBNASALE-TOP HEAD	0.737	0.544	0.562	0.331	0.236	0.242	0.241	0.245
99	TRAGION-TOP HEAD		0.432	0.426	0.429	0.418	0.420	0.424	0.424
122	SUBNASALE-SELLION			-0.272	-0.274	-0.267	-0.252	-0.246	-0.250
101	PRONASALE-TOP HEAD				0.228	0.219	0.212	0.209	0.208
103	STOMION-TOP HEAD					0.113	0.117	0.121	0.114
24	EYE HEIGHT,SITTING						-0.011	-0.010	-0.012
116	BIZYGOMATIC BRDTH							-0.047	-0.060
93	HAND CIRCUMFERENCE								0.033
	MULTIPLE CORRELATIONS	0.880	0.923	0.930	0.935	0.937	0.937	0.938	0.938
	ST ERRORS OF ESTIMATE	0.436	0.354	0.337	0.325	0.323	0.321	0.320	0.319

EQUATIONS FOR ESTIMATING PRONASALE TO TOP OF HEAD NO. 101

	CONSTANT	-1.263	0.080	0.047	1.053	0.103	0.167	-0.332	-0.128
102	SUBNASALE-TOP HEAD	1.007	1.018	0.896	0.875	0.850	0.849	0.845	0.840
36	NECK CIRCUMFERENCE		-0.045	-0.044	-0.034	-0.036	-0.039	-0.039	-0.038
100	ECTOCANTHUS-TOP HD			0.165	0.194	0.204	0.204	0.202	0.249
109	LIP PROTRUS'N-WALL				-0.070	-0.101	-0.101	-0.101	-0.092
96	HEAD LENGTH					0.103	0.097	0.087	0.084
1	AGE						0.007	0.007	0.007
113	BIOCULAR BREADTH							0.078	0.078
99	TRAGION-TOP HEAD								-0.064
	MULTIPLE CORRELATIONS	0.943	0.946	0.948	0.950	0.951	0.952	0.952	0.953
	ST ERRORS OF ESTIMATE	0.388	0.381	0.374	0.368	0.363	0.360	0.359	0.357

EQUATIONS FOR ESTIMATING SUBNASALE TO TOP OF HEAD NO. 102

	CONSTANT	-0.595	0.325	-0.350	-0.186	-0.120	-0.579	-0.200	-0.281
103	STOMION-TOP HEAD	0.926	0.496	0.393	0.391	0.366	0.370	0.372	0.378
101	PRONASALE-TOP HEAD		0.457	0.452	0.404	0.377	0.385	0.389	0.379
104	MENTON-TOP HEAD			0.118	0.190	0.176	0.158	0.155	0.144
120	MENTON-SUBNASALE L				-0.180	-0.171	-0.167	-0.163	-0.163
100	ECTOCANTHUS-TOP HD					0.088	0.088	0.085	0.101
36	NECK CIRCUMFERENCE						0.019	0.023	0.021
117	BIGONIAL BREADTH							-0.052	-0.055
122	SUBNASALE-SELLION								0.060
	MULTIPLE CORRELATIONS	0.945	0.969	0.970	0.973	0.973	0.974	0.974	0.974
	ST ERRORS OF ESTIMATE	0.358	0.272	0.266	0.255	0.252	0.250	0.249	0.248

TABLE XXVIII

STEPWISE MULTIPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING STOMION TO TOP OF HEAD — NO. 103

	CONSTANT	2.455	0.231	0.354	0.282	1.173	0.600	0.679	0.788
102	SUBNASALE-TOP HEAD	0.966	0.690	0.614	0.556	0.648	0.638	0.651	0.582
104	MENTON-TOP HEAD		0.302	0.285	0.227	0.240	0.246	0.256	0.261
100	ECTOCANTHUS-TOP HD			0.124	0.129	0.132	0.132	0.107	0.091
120	MENTON-SUBNASALE L				0.111	0.104	0.085	0.087	0.090
97	HEAD BREADTH					-0.072	-0.088	-0.078	-0.076
113	BIOCULAR BREADTH						0.097	0.099	0.092
122	SUBNASALE-SELLION							-0.085	-0.092
101	PRONASALE-TOP HEAD								0.076
	MULTIPLE CORRELATIONS	0.945	0.957	0.958	0.959	0.960	0.960	0.961	0.961
	ST ERRORS OF ESTIMATE	0.366	0.326	0.322	0.319	0.316	0.313	0.311	0.310

EQUATIONS FOR ESTIMATING MENTON TO TOP OF HEAD — NO. 104

	CONSTANT	5.596	2.102	1.917	1.954	2.128	3.165	1.024	0.539
103	STOMION-TOP HEAD	0.915	0.863	0.647	0.463	0.398	0.400	0.383	0.381
121	MENTON-SELLION LTH		0.416	0.468	0.474	0.365	0.364	0.334	0.316
100	ECTOCANTHUS-TOP HD			0.296	0.224	0.198	0.198	0.184	0.184
102	SUBNASALE-TOP HEAD				0.253	0.331	0.341	0.340	0.341
120	MENTON-SUBNASALE L					0.218	0.232	0.229	0.237
114	BIAURICULAR BRDTH						-0.082	-0.096	-0.092
98	HEAD CIRCUMFERENCE							0.058	0.050
92	HAND BREADTH								0.136
	MULTIPLE CORRELATIONS	0.900	0.926	0.934	0.936	0.939	0.942	0.944	0.945
	ST ERRORS OF ESTIMATE	0.496	0.429	0.409	0.400	0.392	0.384	0.375	0.372

EQUATIONS FOR ESTIMATING TRAGION TO WALL — NO. 105

	CONSTANT	-2.920	-0.183	0.600	0.252	-0.039	0.314	0.287	0.015
106	ECTOCANTHUS-WALL	0.800	0.854	0.851	0.854	0.805	0.818	0.820	0.818
98	HEAD CIRCUMFERENCE		-0.066	-0.050	-0.053	-0.051	-0.028	-0.020	-0.021
115	BITRAGION BREADTH			-0.125	-0.164	-0.173	-0.188	-0.176	-0.183
114	BIAURICULAR BRDTH				0.061	0.059	0.057	0.048	0.047
110	MENTON TO WALL					0.062	0.064	0.068	0.069
96	HEAD LENGTH						-0.089	-0.094	-0.101
118	NASAL BREADTH							-0.137	-0.137
16	BUTTOCK HEIGHT								0.007
	MULTIPLE CORRELATIONS	0.860	0.867	0.869	0.871	0.873	0.874	0.875	0.876
	ST ERRORS OF ESTIMATE	0.459	0.449	0.446	0.443	0.440	0.438	0.436	0.435

TABLE XXVIII

STEPWISE MULTIPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING ECTOCANTHUS TO WALL NO. 106

	CONSTANT	6.946	1.111	-0.429	-0.606	-1.485	-2.215	-1.793	-2.177
105	TRAGION TO WALL	0.925	0.581	0.569	0.536	0.540	0.548	0.544	0.550
107	PRONASALE TO WALL		0.441	0.414	0.204	0.184	0.177	0.178	0.142
104	MENTON-TOP HEAD			0.102	0.114	0.092	0.088	0.094	0.086
108	SUBNASALE TO WALL				0.239	0.241	0.238	0.244	0.245
111	SAGITTAL CURVATURE					0.049	0.045	0.040	0.028
115	BITRAGION BREADTH						0.084	0.116	0.124
113	BIOCULAR BREADTH							-0.092	-0.112
96	HEAD LENGTH								0.095
	MULTIPLE CORRELATIONS	0.860	0.911	0.918	0.922	0.924	0.925	0.926	0.927
	ST ERRORS OF ESTIMATE	0.494	0.400	0.385	0.376	0.371	0.369	0.367	0.364

EQUATIONS FOR ESTIMATING PRONASALE TO WALL NO. 107

	CONSTANT	3.198	1.161	1.455	0.971	0.422	0.380	0.140	0.089
108	SUBNASALE TO WALL	0.915	0.851	0.740	0.735	0.732	0.734	0.755	0.758
96	HEAD LENGTH		0.179	0.150	0.129	0.121	0.129	0.117	0.111
106	ECTOCANTHUS-WALL			0.148	0.153	0.147	0.149	0.129	0.126
122	SUBNASALE-SELLION				0.195	0.179	0.184	0.175	0.113
50	VERTICAL TRUNK CTR					0.006	0.007	0.007	0.006
120	MENTON-SUBNASALE L						-0.064	-0.066	-0.120
101	PRONASALE-TOP HEAD							0.029	0.030
121	MENTON-SELLION LTH								0.082
	MULTIPLE CORRELATIONS	0.935	0.941	0.945	0.948	0.949	0.950	0.950	0.951
	ST ERRORS OF ESTIMATE	0.341	0.325	0.315	0.306	0.303	0.302	0.300	0.299

EQUATIONS FOR ESTIMATING SUBNASALE TO WALL NO. 108

	CONSTANT	2.697	0.129	0.203	0.204	0.207	0.374	0.147	0.046
109	LIP PROTRUSION-WALL	0.879	0.518	0.502	0.462	0.447	0.459	0.463	0.462
107	PRONASALE TO WALL		0.450	0.414	0.407	0.415	0.414	0.404	0.402
106	ECTOCANTHUS-WALL			0.061	0.067	0.071	0.066	0.065	0.065
110	MENTON TO WALL				0.045	0.053	0.049	0.050	0.050
1	AGE					-0.004	-0.004	-0.004	-0.004
119	LIP LENGTH						-0.051	-0.055	-0.054
18	TIBIALE HEIGHT							0.009	0.009
124	EAR BREADTH								0.053
	MULTIPLE CORRELATIONS	0.948	0.970	0.971	0.971	0.972	0.972	0.972	0.972
	ST ERRORS OF ESTIMATE	0.311	0.238	0.235	0.234	0.233	0.232	0.231	0.230

TABLE XXVIII

STEPWISE MULTIPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING LIP PROTRUSION TO WALL — NO. 109

	CONSTANT	-0.814	-0.638	-1.004	0.166	0.038	0.515	0.606	0.672
108	SUBNASALE TO WALL	1.023	0.811	0.791	0.810	0.785	0.780	0.787	0.782
110	MENTON TO WALL		0.219	0.220	0.208	0.225	0.231	0.226	0.235
118	NASAL BREADTH			0.232	0.213	0.203	0.195	0.207	0.208
22	SITTING HT,RELAXED				-0.015	-0.017	-0.015	-0.013	-0.012
120	MENTON-SUBNASALE L					0.092	0.101	0.105	0.110
114	BIAURICULAR BRDTH						-0.043	-0.042	-0.038
122	SUBNASALE-SELLION							-0.084	-0.079
57	BICEPS C,RELAXED,L								-0.013
	MULTIPLE CORRELATIONS	0.948	0.957	0.960	0.961	0.962	0.962	0.963	0.963
	ST ERRORS OF ESTIMATE	0.336	0.307	0.298	0.294	0.291	0.288	0.286	0.285

EQUATIONS FOR ESTIMATING MENTON TO WALL — NO. 110

	CONSTANT	0.322	3.060	1.288	1.738	1.300	1.482	0.547	0.665
109	LIP PROTRUS'N-WALL	0.928	0.945	0.916	0.937	0.666	0.633	0.656	0.658
103	STOMION-TOP HEAD		-0.172	-0.183	-0.158	-0.177	-0.336	-0.343	-0.342
38	CHEST CIRC AT SCYE			0.030	0.031	0.029	0.029	0.026	0.023
120	MENTON-SUBNASALE L				-0.250	-0.246	-0.216	-0.227	-0.226
108	SUBNASALE TO WALL					0.313	0.342	0.320	0.317
100	ECTOCANTHUS-TOP HD						0.217	0.213	0.211
114	BIAURICULAR BRDTH							0.089	0.084
1	AGE								0.010
	MULTIPLE CORRELATIONS	0.864	0.881	0.890	0.896	0.900	0.904	0.907	0.908
	ST ERRORS OF ESTIMATE	0.571	0.538	0.519	0.505	0.496	0.486	0.480	0.476

EQUATIONS FOR ESTIMATING SAGITTAL CURVATURE — NO. 111

	CONSTANT	4.884	7.710	7.433	4.263	3.677	3.247	2.813	3.643
98	HEAD CIRCUMFERENCE	0.545	0.585	0.524	0.498	0.448	0.444	0.370	0.370
113	BIOCULAR BREADTH		-0.519	-0.554	-0.566	-0.628	-0.610	-0.627	-0.580
102	SUBNASALE-TOP HEAD			0.249	0.217	0.188	0.175	0.164	0.162
23	SITTING HEIGHT				0.061	0.058	0.050	0.045	0.059
112	BITRAGION-CORONAL					0.137	0.143	0.165	0.165
20	ANKLE HEIGHT						0.104	0.111	0.132
96	HEAD LENGTH							0.241	0.269
28	POPLITEAL HEIGHT								-0.078
	MULTIPLE CORRELATIONS	0.594	0.617	0.640	0.651	0.660	0.666	0.670	0.676
	ST ERRORS OF ESTIMATE	1.197	1.172	1.145	1.131	1.120	1.112	1.107	1.100

TABLE XXVIII

STEPWISE MULTIPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING BITRAGION-CORONAL CURVATURE NO. 112

	CONSTANT	8.190	6.061	3.626	1.693	3.039	2.219	2.761	2.608
98	HEAD CIRCUMFERENCE	0.469	0.348	0.285	0.261	0.326	0.265	0.330	0.324
99	TRAGION-TOP HEAD		0.689	0.649	0.644	0.703	0.670	0.657	0.640
97	HEAD BREADTH			0.441	0.400	0.331	0.340	0.286	0.300
113	BIOCULAR BREADTH				0.404	0.404	0.461	0.488	0.462
107	PRONASALE TO WALL					-0.220	-0.213	-0.157	-0.159
111	SAGITTAL CURVATURE						0.108	0.119	0.122
96	HEAD LENGTH							-0.271	-0.294
120	MENTON-SUBNASALE L								0.200
	MULTIPLE CORRELATIONS	0.542	0.644	0.665	0.679	0.690	0.696	0.701	0.704
	ST ERRORS OF ESTIMATE	1.181	1.076	1.050	1.033	1.018	1.010	1.004	0.999

EQUATIONS FOR ESTIMATING BIOCULAR BREADTH NO. 113

	CONSTANT	4.990	3.408	2.239	2.000	2.723	2.409	2.143	1.573
116	BIZYGOMATIC BRDTH	0.363	0.331	0.294	0.207	0.238	0.250	0.257	0.245
114	BIAURICULAR BRDTH		0.126	0.122	0.108	0.109	0.102	0.097	0.085
91	HAND LENGTH			0.093	0.086	0.094	0.082	0.077	0.070
117	BIGONIAL BREADTH				0.168	0.171	0.165	0.161	0.155
36	NECK CIRCUMFERENCE					-0.039	-0.043	-0.044	-0.048
120	MENTON-SUBNASALE L						0.124	0.116	0.100
124	EAR BREADTH							0.156	0.158
112	BITRAGION-CORONAL								0.039
	MULTIPLE CORRELATIONS	0.426	0.489	0.520	0.543	0.557	0.571	0.580	0.589
	ST ERRORS OF ESTIMATE	0.445	0.429	0.420	0.414	0.409	0.404	0.401	0.398

EQUATIONS FOR ESTIMATING BIAURICULAR BREADTH NO. 114

	CONSTANT	6.644	4.827	5.425	6.102	4.136	3.602	3.533	2.976
115	BITRAGION BREADTH	0.713	0.580	0.975	0.956	0.897	0.862	0.888	0.795
113	BIOCULAR BREADTH		0.365	0.481	0.523	0.464	0.437	0.442	0.464
116	BIZYGOMATIC BRDTH			-0.528	-0.461	-0.467	-0.443	-0.458	-0.486
119	LIP LENGTH				-0.389	-0.393	-0.394	-0.249	-0.266
112	BITRAGION-CORONAL					0.100	0.093	0.102	0.081
123	EAR LENGTH						0.225	0.242	0.247
118	NASAL BREADTH							-0.360	-0.362
97	HEAD BREADTH								0.184
	MULTIPLE CORRELATIONS	0.375	0.414	0.468	0.497	0.515	0.525	0.535	0.542
	ST ERRORS OF ESTIMATE	0.881	0.865	0.840	0.825	0.815	0.810	0.804	0.800

TABLE XXVIII

STEPWISE MULTIPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING BITRAGION BREADTH — NO. 115

	CONSTANT	4.905	3.089	1.805	1.912	1.297	1.126	0.363	0.165
116	BIZYGOMATIC BRDTH	0.619	0.583	0.484	0.485	0.453	0.417	0.413	0.416
114	BIAURICULAR BRDTH		0.144	0.116	0.111	0.113	0.106	0.101	0.098
97	HEAD BREADTH			0.207	0.188	0.175	0.173	0.151	0.156
1	AGE				0.010	0.009	0.008	0.008	0.008
36	NECK CIRCUMFERENCE					0.032	0.032	0.026	0.026
117	BIGONIAL BREADTH						0.091	0.090	0.087
98	HEAD CIRCUMFERENCE							0.026	0.024
124	EAR BREADTH								0.092
	MULTIPLE CORRELATIONS	0.716	0.765	0.792	0.802	0.808	0.813	0.816	0.818
	ST ERRORS OF ESTIMATE	0.349	0.322	0.305	0.299	0.295	0.292	0.290	0.288

EQUATIONS FOR ESTIMATING BIZYGOMATIC BREADTH — NO. 116

	CONSTANT	2.227	1.539	2.121	1.399	0.748	0.568	0.828	0.442
115	BITRAGION BREADTH	0.828	0.668	0.727	0.699	0.619	0.640	0.648	0.641
117	BIGONIAL BREADTH		0.270	0.275	0.226	0.220	0.222	0.218	0.202
114	BIAURICULAR BRDTH			-0.088	-0.106	-0.112	-0.110	-0.107	-0.107
113	BIOCULAR BREADTH				0.193	0.197	0.195	0.208	0.198
97	HEAD BREADTH					0.124	0.130	0.122	0.120
1	AGE						-0.009	-0.008	-0.008
124	EAR BREADTH							-0.135	-0.138
73	FEMORAL BREADTH, L								0.095
	MULTIPLE CORRELATIONS	0.716	0.750	0.762	0.775	0.782	0.787	0.791	0.794
	ST ERRORS OF ESTIMATE	0.404	0.383	0.375	0.366	0.361	0.357	0.354	0.352

EQUATIONS FOR ESTIMATING BIGONIAL BREADTH — NO. 117

	CONSTANT	3.079	1.889	1.122	0.289	0.968	0.654	0.406	0.728
116	BIZYGOMATIC BRDTH	0.551	0.464	0.420	0.303	0.298	0.280	0.261	0.245
113	BIOCULAR BREADTH		0.239	0.231	0.215	0.225	0.211	0.199	0.197
40	CHEST C BELOW BUST			0.019	0.016	0.017	0.012	0.013	0.007
115	BITRAGION BREADTH				0.211	0.222	0.223	0.229	0.243
87	SLEEVE INSEAM					-0.021	-0.024	-0.024	-0.023
73	FEMORAL BREADTH, L						0.144	0.140	0.134
119	LIP LENGTH							0.112	0.118
5	SUPRAILIAC SKINFLD								0.075
	MULTIPLE CORRELATIONS	0.567	0.597	0.617	0.630	0.637	0.644	0.649	0.654
	ST ERRORS OF ESTIMATE	0.464	0.451	0.443	0.437	0.434	0.431	0.429	0.426

TABLE XXVIII

STEPWISE MULTIPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING NASAL BREADTH — NO. 118

	CONSTANT	1.390	0.229	-0.511	0.454	0.142	0.170	0.096	0.161
119	LIP LENGTH	0.412	0.382	0.371	0.365	0.356	0.349	0.345	0.338
109	LIP PROTRUS'N-WALL		0.067	0.059	0.060	0.053	0.053	0.048	0.099
104	MENTON-TOP HEAD			0.043	0.057	0.053	0.053	0.048	0.054
22	SITTING HT,RELAXED				-0.015	-0.019	-0.019	-0.021	-0.019
36	NECK CIRCUMFERENCE					0.027	0.030	0.027	0.028
6	MEDIAL CALF SKINFD						-0.062	-0.062	-0.060
95	FOOT BREADTH							0.064	0.064
107	PRONASALE TO WALL								-0.064
	MULTIPLE CORRELATIONS	0.526	0.566	0.585	0.603	0.615	0.623	0.629	0.634
	ST ERRORS OF ESTIMATE	0.281	0.272	0.268	0.264	0.260	0.259	0.257	0.256

EQUATIONS FOR ESTIMATING LIP LENGTH — NO. 119

	CONSTANT	2.235	0.815	1.427	1.266	0.820	0.943	0.731	0.633
118	NASAL BREADTH	0.671	0.635	0.623	0.613	0.592	0.595	0.582	0.586
116	BIZYGOMATIC BRDTH		0.119	0.131	0.082	0.068	0.075	0.059	0.058
114	BIAURICULAR BRDTH			-0.046	-0.055	-0.053	-0.046	-0.054	-0.055
117	BIGONIAL BREADTH				0.095	0.091	0.104	0.091	0.086
92	HAND BREADTH					0.093	0.137	0.140	0.136
60	FOREARM C, RELAXED						-0.034	-0.034	-0.042
113	BIOCULAR BREADTH							0.072	0.072
80	NECK-BUST POINT L								0.015
	MULTIPLE CORRELATIONS	0.526	0.550	0.559	0.569	0.574	0.582	0.586	0.589
	ST ERRORS OF ESTIMATE	0.358	0.352	0.349	0.347	0.345	0.343	0.342	0.341

EQUATIONS FOR ESTIMATING MENTON-SUBNASALE LENGTH — NO. 120

	CONSTANT	-0.071	0.091	-0.692	-0.781	-0.824	-0.022	-0.511	-0.841
121	MENTON-SELLION LTH	0.528	0.725	0.676	0.592	0.588	0.588	0.572	0.563
122	SUBNASALE-SELLION		-0.496	-0.484	-0.428	-0.404	-0.393	-0.387	-0.383
104	MENTON-TOP HEAD			0.057	0.197	0.145	0.158	0.176	0.190
102	SUBNASALE-TOP HEAD				-0.147	-0.264	-0.273	-0.269	-0.279
103	STOMION-TOP HEAD					0.167	0.167	0.140	0.134
116	BIZYGOMATIC BRDTH						-0.077	-0.123	-0.126
113	BIOCULAR BREADTH							0.129	0.112
114	BIAURICULAR BRDTH								0.036
	MULTIPLE CORRELATIONS	0.633	0.710	0.719	0.731	0.739	0.744	0.752	0.754
	ST ERRORS OF ESTIMATE	0.395	0.359	0.355	0.348	0.344	0.342	0.337	0.336

TABLE XXVIII

STEPWISE MULTIPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING MENTON-SELLION LENGTH — NO. 121

	CONSTANT	6.417	3.258	2.350	1.993	1.990	1.620	1.643	1.407
120	MENTON-SUBNASALE L	0.760	0.686	0.638	0.526	0.522	0.521	0.520	0.520
122	SUBNASALE-SELLION		0.785	0.759	0.750	0.711	0.705	0.688	0.685
104	MENTON-TOP HEAD			0.059	0.266	0.289	0.284	0.287	0.282
102	SUBNASALE-TOP HEAD				-0.221	-0.149	-0.147	-0.147	-0.148
100	ECTOCANTHUS-TOP HD					-0.123	-0.122	-0.127	-0.123
88	SPINE-TO-SCYE LGTH						0.023	0.021	0.016
1	AGE							0.004	0.004
63	BIACROMIAL BREADTH								0.012
	MULTIPLE CORRELATIONS	0.633	0.821	0.827	0.844	0.848	0.849	0.850	0.851
	ST ERRORS OF ESTIMATE	0.474	0.350	0.345	0.329	0.325	0.324	0.323	0.322

EQUATIONS FOR ESTIMATING SUBNASALE-SELLION LENGTH — NO. 122

	CONSTANT	0.327	0.305	0.298	0.056	0.323	0.094	-0.004	0.173
121	MENTON-SELLION LTH	0.397	0.580	0.559	0.555	0.534	0.526	0.517	0.547
120	MENTON-SUBNASALE L		-0.347	-0.335	-0.337	-0.311	-0.310	-0.307	-0.283
1	AGE			0.007	0.007	0.007	0.007	0.007	0.007
101	PRONASALE-TOP HEAD				0.020	0.091	0.102	0.052	0.046
100	ECTOCANTHUS-TOP HD					-0.105	-0.151	-0.176	-0.159
99	TRAGION-TOP HEAD						0.054	0.054	0.061
102	SUBNASALE-TOP HEAD							0.076	0.134
104	MENTON-TOP HEAD								-0.080
	MULTIPLE CORRELATIONS	0.592	0.680	0.690	0.692	0.702	0.705	0.707	0.712
	ST ERRORS OF ESTIMATE	0.331	0.301	0.297	0.296	0.293	0.292	0.291	0.289

EQUATIONS FOR ESTIMATING EAR LENGTH — NO. 123

	CONSTANT	4.095	2.364	2.552	1.736	1.186	0.635	0.785	0.864
124	EAR BREADTH	0.383	0.342	0.318	0.304	0.290	0.295	0.294	0.296
38	CHEST CIRC AT SCYE		0.022	0.017	0.016	0.013	0.012	0.015	0.010
1	AGE			0.013	0.012	0.012	0.012	0.012	0.012
114	BIAURICULAR BRDTH				0.061	0.055	0.055	0.055	0.056
94	FOOT LENGTH					0.039	0.033	0.035	0.033
111	SAGITTAL CURVATURE						0.022	0.022	0.023
88	SPINE-TO-SCYE LGTH							-0.022	-0.022
76	ABDOMINAL EXT DPTH								0.016
	MULTIPLE CORRELATIONS	0.288	0.376	0.414	0.433	0.443	0.449	0.453	0.456
	ST ERRORS OF ESTIMATE	0.425	0.411	0.404	0.400	0.398	0.397	0.397	0.396

TABLE XXVIII

STEPWISE MULTIPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING EAR BREADTH — NO. 124

	CONSTANT	1.850	1.121	0.590	1.024	0.679	1.120	0.981	1.063
123	EAR LENGTH	0.216	0.205	0.194	0.193	0.184	0.190	0.184	0.180
108	SUBNASALE TO WALL		0.040	0.037	0.038	0.034	0.040	0.039	0.047
113	BIOCULAR BREADTH			0.067	0.094	0.088	0.082	0.067	0.065
116	BIZYGOMATIC BRDTH				-0.055	-0.113	-0.117	-0.113	-0.109
115	BITRAGION BREADTH					0.099	0.113	0.111	0.111
111	SAGITTAL CURVATURE						-0.019	-0.027	-0.025
103	STOMION-TOP HEAD							0.033	0.055
99	TRAGION-TOP HEAD								-0.056
	MULTIPLE CORRELATIONS	0.288	0.311	0.326	0.337	0.352	0.361	0.374	0.386
	ST ERRORS OF ESTIMATE	0.319	0.317	0.315	0.314	0.312	0.311	0.309	0.308

EQUATIONS FOR ESTIMATING GRIP STRENGTH — NO. 125

	CONSTANT	-20.226	-35.167	-39.679	-38.993	-47.728	-47.766	-49.372	-50.448
93	HAND CIRCUMFERENCE	2.736	2.099	2.089	1.638	1.426	1.380	1.271	0.858
37	SHOULDER CIRCUMFER		0.265	0.442	0.315	0.244	0.235	0.251	0.247
76	ABDOMINAL EXT DPTH			-0.626	-0.752	-0.717	-0.781	-0.700	-0.697
60	FOREARM C, RELAXED				0.978	0.988	1.009	1.175	1.161
90	SPINE-TO-WRIST LTH					0.236	0.244	0.224	0.202
1	AGE						0.085	0.083	0.079
3	TRICEPS SKINFOLD							-1.027	-0.922
92	HAND BREADTH								1.450
	MULTIPLE CORRELATIONS	0.435	0.486	0.515	0.533	0.545	0.553	0.558	0.562
	ST ERRORS OF ESTIMATE	5.136	4.987	4.894	4.831	4.786	4.759	4.742	4.728

TABLE XXIX

STEPWISE MULTIPLE REGRESSION EQUATIONS (STATURE AND WEIGHT FORCED)

EQUATIONS FOR ESTIMATING AGE — NO. 1

	CONSTANT	12.400	26.985	16.325	-5.869	-38.687	-32.749	-57.700	-48.367
2	WEIGHT	0.191	0.236	0.216	0.051	-0.271	-0.143	-0.426	-0.254
7	STATURE		-0.106	-0.139	-0.126	0.030	-0.037	0.075	0.085
122	SUBNASALE-SELLION			3.775	3.503	3.457	3.051	3.094	2.903
81	STRAP LENGTH				0.473	0.458	0.500	0.485	0.434
58	BICEPS C,FLEXED, L					1.029	1.067	1.120	1.086
5	SUPRAILIAC SKINFLD						-2.215	-2.601	-2.511
76	ABDOMINAL EXT DPTH							1.114	1.057
78	THIGH CLEARANCE								-1.188
	MULTIPLE CORRELATIONS	0.223	0.238	0.335	0.399	0.441	0.478	0.519	0.542
	ST ERRORS OF ESTIMATE	6.291	6.270	6.084	5.923	5.797	5.676	5.527	5.433

EQUATIONS FOR ESTIMATING WEIGHT — NO. 2

	CONSTANT	-50.39	-88.30	-94.71	-100.23	-104.26	-101.71	-101.26	-100.38
7	STATURE	0.667	0.276	0.342	0.332	0.307	0.305	0.314	0.324
52	BUTTOCK CIRC, SIT		1.013	0.648	0.545	0.443	0.374	0.275	0.233
56	BICEPS C,FLEXED, R			1.202	0.912	0.661	0.594	0.523	0.500
39	BUST CIRCUMFERENCE				0.281	0.315	0.226	0.227	0.213
47	CALF CIRCUM, RIGHT					0.643	0.657	0.564	0.574
41	WAIST CIRCUMFERNCE						0.208	0.208	0.154
45	UPPER THIGH CIRCUM							0.234	0.233
76	ABDOMINAL EXT DPTH								0.331
	MULTIPLE CORRELATIONS	0.533	0.927	0.958	0.967	0.977	0.980	0.982	0.983
	ST ERRORS OF ESTIMATE	6.370	2.829	2.168	1.912	1.623	1.509	1.434	1.388

EQUATIONS FOR ESTIMATING TRICEPS SKINFOLD — NO. 3

	CONSTANT	-0.579	3.695	-0.786	-1.205	-1.443	-1.875	-3.108	-1.982
2	WEIGHT	0.043	0.056	0.013	0.009	-0.001	-0.004	-0.018	-0.009
7	STATURE		-0.031	-0.010	-0.006	-0.002	0.002	0.006	0.004
55	BICEPS C,RELAXED,R			0.139	0.123	0.117	0.110	0.109	0.115
6	MEDIAL CALF SKINFD				0.258	0.226	0.226	0.208	0.192
5	SUPRAILIAC SKINFLD					0.188	0.139	0.130	0.134
4	SUBSCAPULAR SKINFD						0.181	0.199	0.221
45	UPPER THIGH CIRCUM							0.026	0.022
38	CHEST CIRC AT SCYE								-0.015
	MULTIPLE CORRELATIONS	0.597	0.662	0.722	0.755	0.777	0.785	0.791	0.794
	ST ERRORS OF ESTIMATE	0.437	0.408	0.377	0.357	0.343	0.338	0.334	0.331

TABLE XXIX

STEPWISE MULTIPLE REGRESSION EQUATIONS (STATURE AND WEIGHT FORCED)

EQUATIONS FOR ESTIMATING SUBSCAPULAR SKINFOLD NO. 4

	CONSTANT	-0.793	3.749	2.670	0.594	-0.538	-0.621	-1.147	-0.564
2	WEIGHT	0.036	0.050	0.031	0.013	-0.001	-0.004	-0.009	-0.004
7	STATURE		-0.033	-0.023	-0.015	-0.010	-0.008	-0.007	-0.005
5	SUPRAILIAC SKINFLD			0.281	0.243	0.223	0.197	0.182	0.177
54	AXILLARY ARM CIRC				0.069	0.069	0.060	0.055	0.057
76	ABDOMINAL EXT DPTH					0.056	0.055	0.047	0.041
3	TRICEPS SKINFOLD						0.132	0.141	0.135
74	CHEST DEPTH							0.041	0.041
71	HUMERAL BREADTH, L								-0.181
	MULTIPLE CORRELATIONS	0.565	0.663	0.734	0.754	0.765	0.772	0.779	0.784
	ST ERRORS OF ESTIMATE	0.400	0.363	0.329	0.319	0.312	0.308	0.305	0.302

EQUATIONS FOR ESTIMATING SUPRAILIAC SKINFOLD NO. 5

	CONSTANT	-1.145	3.662	1.298	0.555	1.027	-0.983	-1.609	-0.350
2	WEIGHT	0.054	0.069	0.037	0.026	0.030	0.007	0.004	0.006
7	STATURE		-0.035	-0.014	-0.008	-0.010	-0.005	-0.005	-0.004
4	SUBSCAPULAR SKINFD			0.628	0.532	0.535	0.436	0.422	0.421
3	TRICEPS SKINFOLD				0.278	0.274	0.304	0.306	0.296
1	AGE					-0.016	-0.017	-0.019	-0.019
41	WAIST CIRCUMFERNCE						0.039	0.037	0.035
80	NECK-BUST POINT L							0.039	0.038
111	SAGITTAL CURVATURE								-0.039
	MULTIPLE CORRELATIONS	0.582	0.634	0.712	0.729	0.743	0.758	0.763	0.767
	ST ERRORS OF ESTIMATE	0.570	0.543	0.493	0.481	0.470	0.458	0.454	0.451

EQUATIONS FOR ESTIMATING MEDIAL CALF SKINFOLD NO. 6

	CONSTANT	0.151	3.036	1.659	-0.434	-1.167	-0.900	-1.382	0.308
2	WEIGHT	0.025	0.034	0.011	-0.009	-0.015	-0.012	-0.019	-0.006
7	STATURE		-0.021	-0.009	-0.008	-0.006	0.001	0.003	0.001
3	TRICEPS SKINFOLD			0.399	0.361	0.371	0.342	0.300	0.302
46	KNEE CIRCUMFERENCE				0.087	0.062	0.064	0.068	0.059
48	CALF CIRCUM, LEFT					0.048	0.050	0.056	0.052
94	FOOT LENGTH						-0.069	-0.065	-0.067
5	SUPRAILIAC SKINFLD							0.099	0.098
37	SHOULDER CIRCUMFER								-0.016
	MULTIPLE CORRELATIONS	0.362	0.417	0.523	0.565	0.579	0.588	0.595	0.601
	ST ERRORS OF ESTIMATE	0.482	0.470	0.441	0.427	0.422	0.419	0.416	0.414

TABLE XXIX

STEPWISE MULTIPLE REGRESSION EQUATIONS (STATURE AND WEIGHT FORCED)

EQUATIONS FOR ESTIMATING STATURE — NO. 7

	CONSTANT	137.566	14.406	6.372	5.429	5.442	4.776	4.679	3.104
2	WEIGHT	0.425	0.005	-0.008	-0.019	-0.011	-0.006	-0.008	-0.011
9	CERVICALE HEIGHT		1.059	0.945	0.541	0.455	0.483	0.419	0.426
23	SITTING HEIGHT			0.288	0.271	0.362	0.470	0.517	0.495
11	SUPRASTERNALE HGHT				0.449	0.384	0.373	0.273	0.265
17	GLUTEAL FURROW HGT					0.169	0.153	0.135	0.135
25	MIDSHOULDER HT,SIT						-0.175	-0.253	-0.232
10	ACROMIAL HEIGHT							0.183	0.178
104	MENTON-TOP HEAD								0.144
	MULTIPLE CORRELATIONS	0.533	0.977	0.982	0.986	0.988	0.988	0.989	0.989
	ST ERRORS OF ESTIMATE	5.083	1.276	1.129	0.985	0.940	0.916	0.891	0.879

EQUATIONS FOR ESTIMATING STATURE, MAXIMUM — NO. 8

	CONSTANT	138.095	0.529	1.064	0.391	0.821	0.539	0.208	0.137
2	WEIGHT	0.427	0.002	0.000	-0.001	-0.001	-0.002	-0.002	-0.003
7	STATURE		1.000	0.927	0.901	0.872	0.855	0.856	0.854
9	CERVICALE HEIGHT			0.082	0.096	0.062	0.051	0.050	0.050
23	SITTING HEIGHT				0.035	0.081	0.081	0.082	0.081
19	CROTCH HEIGHT					0.068	0.061	0.059	0.057
11	SUPRASTERNALE HGHT						0.039	0.039	0.039
119	LIP LENGTH							0.085	0.077
94	FOOT LENGTH								0.030
	MULTIPLE CORRELATIONS	0.533	0.998	0.998	0.998	0.998	0.998	0.998	0.998
	ST ERRORS OF ESTIMATE	5.097	0.382	0.370	0.364	0.350	0.348	0.346	0.346

EQUATIONS FOR ESTIMATING CERVICALE HEIGHT — NO. 9

	CONSTANT	116.275	-5.316	-2.698	-0.118	-0.419	-0.661	-0.329	-0.851
2	WEIGHT	0.397	0.021	0.006	0.012	0.016	0.015	0.015	0.011
7	STATURE		0.884	0.595	0.567	0.504	0.441	0.437	0.426
10	ACROMIAL HEIGHT			0.342	0.261	0.236	0.186	0.179	0.173
19	CROTCH HEIGHT				0.165	0.226	0.143	0.106	0.146
85	WAIST BACK					0.223	0.283	0.289	0.307
13	WAIST HEIGHT						0.208	0.191	0.157
18	TIBIALE HEIGHT							0.130	0.142
26	WAIST HGHT,SITTING								0.108
	MULTIPLE CORRELATIONS	0.541	0.977	0.982	0.984	0.986	0.988	0.988	0.988
	ST ERRORS OF ESTIMATE	4.644	1.166	1.042	0.989	0.912	0.871	0.856	0.844

TABLE XXIX

STEPWISE MULTIPLE REGRESSION EQUATIONS (STATURE AND WEIGHT FORCED)

EQUATIONS FOR ESTIMATING ACROMIAL HEIGHT — NO. 10

	CONSTANT	109.651	-7.866	-4.261	-1.863	-0.346	1.284	-2.210	-3.253
2	WEIGHT	0.402	0.042	0.020	0.028	0.026	0.037	0.007	-0.001
7	STATURE		0.847	0.309	0.343	0.121	0.106	0.079	0.026
11	SUPRASTERNALE HGHT			0.643	0.632	0.458	0.327	0.254	0.278
79	SHOULDER LENGTH				-0.472	-0.515	-0.492	-0.550	-0.524
9	CERVICALE HEIGHT					0.418	0.388	0.349	0.333
12	BUSTPOINT HEIGHT						0.180	0.339	0.345
80	NECK-BUST POINT L							0.263	0.254
25	MIDSHOULDER HT,SIT								0.143
	MULTIPLE CORRELATIONS	0.552	0.960	0.971	0.974	0.977	0.979	0.980	0.981
	ST ERRORS OF ESTIMATE	4.569	1.533	1.321	1.244	1.165	1.125	1.086	1.055

EQUATIONS FOR ESTIMATING SUPRASTERNALE HEIGHT — NO. 11

	CONSTANT	109.485	-5.480	-2.289	0.115	-2.071	-4.040	-3.000	-2.865
2	WEIGHT	0.390	0.034	0.017	0.028	0.014	-0.006	0.001	0.001
7	STATURE		0.836	0.497	0.435	0.379	0.299	0.280	0.225
10	ACROMIAL HEIGHT			0.400	0.314	0.299	0.226	0.179	0.153
14	ABDOMINAL EXT HGT				0.197	0.266	0.080	0.063	0.054
86	ANTERIOR WAIST LTH					0.227	0.392	0.366	0.357
13	WAIST HEIGHT						0.374	0.348	0.331
12	BUSTPOINT HEIGHT							0.109	0.108
9	CERVICALE HEIGHT								0.109
	MULTIPLE CORRELATIONS	0.553	0.974	0.981	0.983	0.985	0.988	0.988	0.989
	ST ERRORS OF ESTIMATE	4.419	1.209	1.042	0.979	0.912	0.826	0.806	0.800

EQUATIONS FOR ESTIMATING BUSTPOINT HEIGHT — NO. 12

	CONSTANT	100.017	-13.882	6.621	9.194	9.575	8.978	2.355	1.136
2	WEIGHT	0.317	-0.035	0.113	0.079	0.069	0.067	0.014	0.007
7	STATURE		0.828	0.819	0.236	0.152	0.151	0.186	0.151
81	STRAP LENGTH			-0.423	-0.394	-0.380	-0.217	-0.251	-0.220
11	SUPRASTERNALE HGHT				0.697	0.533	0.505	0.514	0.475
10	ACROMIAL HEIGHT					0.262	0.287	0.262	0.326
80	NECK-BUST POINT L						-0.367	-0.392	-0.472
39	BUST CIRCUMFERENCE							0.100	0.104
79	SHOULDER LENGTH								0.250
	MULTIPLE CORRELATIONS	0.457	0.928	0.958	0.972	0.974	0.976	0.977	0.978
	ST ERRORS OF ESTIMATE	4.638	1.947	1.489	1.230	1.182	1.143	1.105	1.085

TABLE XXIX

STEPWISE MULTIPLE REGRESSION EQUATIONS (STATURE AND WEIGHT FORCED)

EQUATIONS FOR ESTIMATING WAIST HEIGHT — NO. 13

	CONSTANT	83.132	-10.251	0.562	4.264	5.970	5.645	5.911	2.835
2	WEIGHT	0.297	0.008	0.034	0.063	0.049	0.044	0.038	0.009
7	STATURE		0.679	0.214	0.341	0.046	0.105	-0.002	0.015
14	ABDOMINAL EXT HGT			0.677	0.554	0.373	0.343	0.300	0.293
86	ANTERIOR WAIST LTH				-0.432	-0.557	-0.524	-0.497	-0.511
11	SUPRASTERNALE HGHT					0.515	0.506	0.419	0.427
85	WAIST BACK						-0.150	-0.212	-0.209
9	CERVICALE HEIGHT							0.248	0.239
74	CHEST DEPTH								0.135
	MULTIPLE CORRELATIONS	0.497	0.914	0.959	0.971	0.978	0.980	0.981	0.982
	ST ERRORS OF ESTIMATE	3.906	1.830	1.272	1.075	0.942	0.907	0.878	0.862

EQUATIONS FOR ESTIMATING ABDOMINAL EXTENSION HEIGHT — NO. 14

	CONSTANT	78.545	-15.857	-8.158	-4.274	2.157	4.525	6.495	6.744
2	WEIGHT	0.253	-0.038	-0.045	-0.037	0.037	0.051	0.074	0.076
7	STATURE		0.686	0.169	0.139	0.126	0.302	0.293	0.250
13	WAIST HEIGHT			0.763	0.520	0.523	0.487	0.487	0.467
19	CROTCH HEIGHT				0.334	0.310	0.196	0.201	0.155
42	ABDOMINAL EXT CIRC					-0.083	-0.093	-0.073	-0.073
23	SITTING HEIGHT						-0.219	-0.228	-0.191
76	ABDOMINAL EXT DPTH							-0.151	-0.171
16	BUTTOCK HEIGHT								0.113
	MULTIPLE CORRELATIONS	0.431	0.899	0.952	0.961	0.964	0.966	0.967	0.967
	ST ERRORS OF ESTIMATE	3.992	1.941	1.350	1.231	1.183	1.145	1.134	1.121

EQUATIONS FOR ESTIMATING TROCHANTERIC HEIGHT — NO. 15

	CONSTANT	67.604	-15.202	-2.483	-2.684	-4.223	-4.179	-1.264	-0.170
2	WEIGHT	0.261	0.005	0.016	0.009	0.004	0.001	0.023	0.028
7	STATURE		0.602	0.208	0.160	0.087	0.015	0.022	0.166
19	CROTCH HEIGHT			0.678	0.486	0.424	0.333	0.331	0.268
16	BUTTOCK HEIGHT				0.276	0.273	0.233	0.232	0.188
35	OVERHEAD REACH					0.093	0.087	0.085	0.086
13	WAIST HEIGHT						0.230	0.231	0.213
83	INTERSCYE, MAXIMUM							-0.097	-0.097
23	SITTING HEIGHT								-0.173
	MULTIPLE CORRELATIONS	0.460	0.852	0.917	0.923	0.927	0.930	0.932	0.934
	ST ERRORS OF ESTIMATE	3.791	2.236	1.709	1.648	1.600	1.568	1.546	1.529

TABLE XXIX

STEPWISE MULTIPLE REGRESSION EQUATIONS (STATURE AND WEIGHT FORCED)

EQUATIONS FOR ESTIMATING BUTTOCK HEIGHT — NO. 16

	CONSTANT	67.260	-12.396	0.604	2.781	4.214	4.210	2.165	-2.020
2	WEIGHT	0.259	0.013	0.024	0.040	0.042	0.038	0.037	-0.007
7	STATURE		0.579	0.175	0.101	0.298	0.249	0.215	0.225
19	CROTCH HEIGHT			0.696	0.468	0.370	0.302	0.269	0.277
17	GLUTEAL FURROW HGT				0.356	0.282	0.256	0.252	0.249
23	SITTING HEIGHT					-0.243	-0.213	-0.183	-0.168
15	TROCHANTERIC HGHT						0.152	0.146	0.140
28	POPLITEAL HEIGHT							0.202	0.215
76	ABDOMINAL EXT DPTH								0.163
	MULTIPLE CORRELATIONS	0.468	0.848	0.919	0.931	0.934	0.936	0.938	0.939
	ST ERRORS OF ESTIMATE	3.681	2.209	1.641	1.519	1.486	1.466	1.449	1.437

EQUATIONS FOR ESTIMATING GLUTEAL FURROW HEIGHT — NO. 17

	CONSTANT	61.616	-18.364	-10.371	-4.871	-3.933	-3.628	-3.744	0.772
2	WEIGHT	0.192	-0.054	-0.062	-0.045	-0.043	-0.045	-0.045	0.000
7	STATURE		0.581	0.213	0.536	0.420	0.385	0.357	0.348
16	BUTTOCK HEIGHT			0.634	0.391	0.306	0.281	0.267	0.268
23	SITTING HEIGHT				-0.454	-0.353	-0.332	-0.311	-0.306
19	CROTCH HEIGHT					0.216	0.171	0.137	0.126
15	TROCHANTERIC HGHT						0.110	0.116	0.122
18	TIBIALE HEIGHT							0.144	0.143
52	BUTTOCK CIRC, SIT								-0.058
	MULTIPLE CORRELATIONS	0.366	0.830	0.902	0.918	0.921	0.922	0.923	0.924
	ST ERRORS OF ESTIMATE	3.688	2.212	1.712	1.576	1.546	1.536	1.527	1.521

EQUATIONS FOR ESTIMATING TIBIALE HEIGHT — NO. 18

	CONSTANT	34.535	-8.791	-1.778	-2.284	-1.366	-3.121	-2.539	-2.738
2	WEIGHT	0.129	-0.005	0.001	0.001	0.006	0.006	0.010	0.008
7	STATURE		0.315	0.100	0.090	0.028	0.024	0.012	0.010
19	CROTCH HEIGHT			0.369	0.348	0.233	0.198	0.155	0.138
20	ANKLE HEIGHT				0.330	0.346	0.345	0.337	0.311
14	ABDOMINAL EXT HGT					0.185	0.164	0.143	0.137
28	POPLITEAL HEIGHT						0.170	0.159	0.149
17	GLUTEAL FURROW HGT							0.094	0.088
32	RADIALE-STYLION L								0.154
	MULTIPLE CORRELATIONS	0.408	0.787	0.853	0.872	0.879	0.882	0.885	0.887
	ST ERRORS OF ESTIMATE	2.170	1.468	1.241	1.167	1.136	1.121	1.110	1.101

TABLE XXIX

STEPWISE MULTIPLE REGRESSION EQUATIONS (STATURE AND WEIGHT FORCED)

EQUATIONS FOR ESTIMATING CROTCH HEIGHT — NO. 19

	CONSTANT	61.168	-18.754	-6.906	-6.255	-3.200	-2.920	-3.449	4.497
2	WEIGHT	0.231	-0.016	0.012	-0.003	0.004	-0.000	-0.001	0.074
7	STATURE		0.591	0.075	0.025	0.301	0.234	-0.506	-0.435
14	ABDOMINAL EXT HGT			0.736	0.467	0.356	0.289	0.255	0.245
16	BUTTOCK HEIGHT				0.406	0.287	0.228	0.210	0.214
23	SITTING HEIGHT					-0.328	-0.273	-0.336	-0.340
15	TROCHANTERIC HGHT						0.208	0.191	0.181
8	STATURE, MAXIMUM							0.811	0.735
43	HIP C-7" BLW WAIST								-0.103
	MULTIPLE CORRELATIONS	0.431	0.849	0.920	0.938	0.945	0.949	0.951	0.953
	ST ERRORS OF ESTIMATE	3.638	2.127	1.575	1.397	1.323	1.278	1.243	1.219

EQUATIONS FOR ESTIMATING ANKLE HEIGHT — NO. 20

	CONSTANT	9.570	-0.103	2.561	-2.598	-1.286	-1.933	-2.636	-2.522
2	WEIGHT	0.028	-0.001	0.000	-0.026	-0.021	-0.026	-0.029	-0.022
7	STATURE		0.070	-0.025	-0.024	-0.002	-0.012	0.029	0.023
18	TIBIALE HEIGHT			0.302	0.296	0.304	0.286	0.343	0.305
36	NECK CIRCUMFERENCE				0.200	0.190	0.180	0.166	0.156
91	HAND LENGTH					-0.281	-0.415	-0.378	-0.373
94	FOOT LENGTH						0.254	0.256	0.224
14	ABDOMINAL EXT HGT							-0.091	-0.111
87	SLEEVE INSEAM								0.113
	MULTIPLE CORRELATIONS	0.158	0.306	0.448	0.491	0.516	0.531	0.542	0.556
	ST ERRORS OF ESTIMATE	1.338	1.290	1.212	1.181	1.162	1.150	1.140	1.128

EQUATIONS FOR ESTIMATING LATERAL MALLEOLUS HEIGHT — NO. 21

	CONSTANT	5.677	0.174	-1.019	0.182	0.074	0.079	0.424	1.074
2	WEIGHT	0.019	0.002	-0.003	0.007	0.006	0.006	0.006	0.012
7	STATURE		0.040	0.039	0.037	0.048	0.047	0.028	0.027
73	FEMORAL BREADTH, L			0.202	0.208	0.198	0.197	0.193	0.181
68	HIP BREADTH				-0.043	-0.044	-0.043	-0.040	-0.035
87	SLEEVE INSEAM					-0.034	-0.045	-0.059	-0.052
20	ANKLE HEIGHT						0.055	0.059	0.057
14	ABDOMINAL EXT HGT							0.035	0.049
30	BUTTOCK-KNEE LNGTH								-0.044
	MULTIPLE CORRELATIONS	0.245	0.426	0.445	0.457	0.457	0.482	0.493	0.501
	ST ERRORS OF ESTIMATE	0.569	0.531	0.526	0.523	0.520	0.515	0.512	0.509

TABLE XXIX

STEPWISE MULTIPLE REGRESSION EQUATIONS (STATURE AND WEIGHT FORCED)

EQUATIONS FOR ESTIMATING SITTING HEIGHT, RELAXED — NO. 22

	CONSTANT	73.023	16.603	5.594	12.219	9.506	8.611	6.652	5.524
2	WEIGHT	0.195	0.021	-0.003	0.062	0.047	0.030	0.026	0.025
7	STATURE		0.410	0.140	0.300	0.419	0.367	0.337	0.419
24	EYE HEIGHT,SITTING			0.762	0.602	0.520	0.433	0.463	0.431
30	BUTTOCK-KNEE LNGTH				-0.427	-0.370	-0.312	-0.297	-0.261
17	GLUTEAL FURROW HGT					-0.178	-0.159	-0.145	-0.124
25	MIDSHOULDER HT,SIT						0.207	0.207	0.272
100	ECTOCANTHUS-TOP HD							0.258	0.232
10	ACROMIAL HEIGHT								-0.128
	MULTIPLE CORRELATIONS	0.452	0.783	0.920	0.933	0.939	0.942	0.945	0.946
	ST ERRORS OF ESTIMATE	2.902	2.022	1.277	1.169	1.123	1.090	1.067	1.054

EQUATIONS FOR ESTIMATING SITTING HEIGHT — NO. 23

	CONSTANT	73.880	18.749	7.828	7.332	5.754	4.704	3.289	6.241
2	WEIGHT	0.203	0.032	0.008	-0.005	0.003	-0.002	-0.005	0.022
7	STATURE		0.401	0.130	0.105	0.329	0.397	0.358	0.386
24	EYE HEIGHT,SITTING			0.763	0.565	0.458	0.425	0.456	0.433
25	MIDSHOULDER HT,SIT				0.343	0.446	0.394	0.381	0.330
10	ACROMIAL HEIGHT					-0.258	-0.209	-0.186	-0.151
17	GLUTEAL FUPROW HGT						-0.137	-0.129	-0.118
100	ECTOCANTHUS-TOP HD							0.235	0.226
30	BUTTOCK-KNEE LNGTH								-0.169
	MULTIPLE CORRELATIONS	0.481	0.803	0.944	0.955	0.962	0.965	0.967	0.969
	ST ERRORS OF ESTIMATE	2.778	1.889	1.049	0.937	0.864	0.830	0.805	0.783

EQUATIONS FOR ESTIMATING EYE HEIGHT, SITTING — NO. 24

	CONSTANT	63.197	14.368	-2.535	-0.176	-0.284	-1.122	-0.909	-1.376
2	WEIGHT	0.182	0.031	0.002	0.005	-0.001	-0.021	-0.019	-0.027
7	STATURE		0.355	-0.009	0.002	0.008	0.000	0.018	0.020
23	SITTING HEIGHT			0.906	0.912	0.871	0.884	0.830	0.829
100	ECTOCANTHUS-TOP HD				-0.408	-0.394	-0.389	-0.373	-0.377
26	WAIST HGHT,SITTING					0.121	0.119	0.105	0.098
78	THIGH CLEARANCE						0.174	0.168	0.201
27	ELBOW REST HEIGHT							0.070	0.072
1	AGE								0.019
	MULTIPLE CORRELATIONS	0.448	0.740	0.928	0.935	0.937	0.938	0.939	0.940
	ST ERRORS OF ESTIMATE	2.735	2.058	1.143	1.084	1.071	1.061	1.053	1.047

TABLE XXIX

STEPWISE MULTIPLE REGRESSION EQUATIONS (STATURE AND WEIGHT FORCED)

EQUATIONS FOR ESTIMATING MIDSHOULDER HEIGHT, SITTING — NO. 25

	CONSTANT	47.836	9.480	3.766	-2.041	-1.124	-4.907	-4.657	-2.695
2	WEIGHT	0.176	0.057	0.044	0.035	0.020	-0.020	-0.017	-0.008
7	STATURE		0.279	0.241	0.086	-0.220	-0.166	-0.159	-0.168
27	ELBOW REST HEIGHT			0.556	0.339	0.258	0.223	0.219	0.223
23	SITTING HEIGHT				0.425	0.554	0.450	0.425	0.427
10	ACROMIAL HEIGHT					0.306	0.241	0.236	0.238
51	VERTICAL TRK C,SIT						0.104	0.101	0.098
85	WAIST BACK							0.084	0.085
72	FEMORAL BREADTH, R								-0.340
	MULTIPLE CORRELATIONS	0.497	0.729	0.886	0.915	0.929	0.936	0.938	0.939
	ST ERRORS OF ESTIMATE	2.307	1.820	1.233	1.072	0.983	0.936	0.926	0.916

EQUATIONS FOR ESTIMATING WAIST HEIGHT, SITTING — NO. 26

	CONSTANT	18.229	7.224	2.563	2.919	2.664	3.647	1.779	4.235
2	WEIGHT	0.089	0.055	0.045	0.040	0.028	0.024	0.024	0.053
7	STATURE		0.080	-0.035	0.003	-0.011	-0.206	-0.282	-0.275
24	EYE HEIGHT,SITTING			0.324	0.411	0.258	0.316	0.161	0.145
85	WAIST BACK				-0.312	-0.378	-0.304	-0.309	-0.302
25	MIDSHOULDER HT,SIT					0.296	0.305	0.211	0.226
13	WAIST HEIGHT						0.230	0.284	0.274
23	SITTING HEIGHT							0.302	0.290
67	WAIST BREADTH								-0.133
	MULTIPLE CORRELATIONS	0.386	0.452	0.593	0.667	0.705	0.735	0.751	0.756
	ST ERRORS OF ESTIMATE	1.600	1.548	1.397	1.292	1.232	1.178	1.148	1.137

EQUATIONS FOR ESTIMATING ELBOW REST HEIGHT — NO. 27

	CONSTANT	19.704	10.297	1.191	0.625	1.248	6.946	5.951	6.667
2	WEIGHT	0.052	0.024	-0.032	-0.041	-0.029	-0.006	-0.003	-0.009
25	MIDSHOULDER HT,SIT			0.973	0.844	0.822	0.814	0.701	0.631
7	STATURE		0.068	-0.204	-0.036	0.006	0.020	-0.125	-0.160
87	SLEEVE INSEAM				-0.423	-0.314	-0.272	-0.230	-0.234
31	ACROMION-RADIALE L					-0.376	-0.405	-0.389	-0.452
63	BIACROMIAL BREADTH						-0.273	-0.285	-0.260
24	EYE HEIGHT,SITTING							0.173	0.229
10	ACROMIAL HEIGHT								0.172
	MULTIPLE CORRELATIONS	0.160	0.213	0.749	0.798	0.812	0.825	0.832	0.837
	ST ERRORS OF ESTIMATE	2.430	2.407	1.631	1.486	1.439	1.392	1.368	1.349

TABLE XXIX

STEPWISE MULTIPLE REGRESSION EQUATIONS (STATURE AND WEIGHT FORCED)

EQUATIONS FOR ESTIMATING POPLITEAL HEIGHT — NO. 28

	CONSTANT	35.736	4.272	9.396	9.438	8.293	8.410	9.339	9.640
2	WEIGHT	0.092	-0.006	-0.001	-0.005	-0.008	-0.007	-0.005	-0.000
7	STATURE		0.229	0.066	0.040	0.030	0.018	0.098	0.108
19	CROTCH HEIGHT			0.282	0.180	0.167	0.126	0.090	0.078
16	BUTTOCK HEIGHT				0.146	0.143	0.124	0.099	0.092
91	HAND LENGTH					0.226	0.240	0.233	0.245
18	TIBIALE HEIGHT						0.146	0.130	0.134
23	SITTING HEIGHT							-0.099	-0.107
1	AGE								-0.019
	MULTIPLE CORRELATIONS	0.370	0.728	0.796	0.806	0.811	0.817	0.820	0.822
	ST ERRORS OF ESTIMATE	1.729	1.276	1.128	1.102	1.089	1.075	1.067	1.061

EQUATIONS FOR ESTIMATING BUTTOCK-POPLITEAL LENGTH — NO. 29

	CONSTANT	35.760	4.667	-4.913	-0.554	2.155	4.272	4.679	2.562
2	WEIGHT	0.207	0.111	-0.025	0.013	0.027	0.045	0.052	0.030
7	STATURE		0.226	-0.014	-0.020	0.045	0.046	0.054	0.067
30	BUTTOCK-KNEE LNGTH			0.981	0.973	0.880	0.872	0.857	0.845
47	CALF CIRCUM, RIGHT				-0.150	-0.146	-0.134	-0.139	-0.150
22	SITTING HT,RELAXED					-0.105	-0.110	-0.074	-0.077
61	FOREARM C, FLEXED						-0.114	-0.116	-0.105
25	MIDSHOULDER HT,SIT							-0.070	-0.073
45	UPPER THIGH CIRCUM								0.045
	MULTIPLE CORRELATIONS	0.555	0.702	0.867	0.871	0.873	0.874	0.874	0.875
	ST ERRORS OF ESTIMATE	2.276	1.967	1.375	1.358	1.349	1.345	1.342	1.339

EQUATIONS FOR ESTIMATING BUTTOCK-KNEE LENGTH — NO. 30

	CONSTANT	43.399	9.850	7.307	13.236	7.965	8.727	5.309	5.100
2	WEIGHT	0.243	0.139	0.081	0.105	0.049	0.048	0.011	0.011
7	STATURE		0.244	0.127	0.269	0.303	0.193	0.203	0.226
29	BUTTOCK-POPLIT'L L			0.521	0.384	0.349	0.327	0.310	0.304
23	SITTING HEIGHT				-0.278	-0.290	-0.199	-0.214	-0.232
77	BUTTOCK DEPTH					0.269	0.281	0.240	0.242
19	CROTCH HEIGHT						0.136	0.148	0.174
44	HIP C-9" BLW WAIST							0.063	0.065
18	TIBIALE HEIGHT								-0.092
	MULTIPLE CORRELATIONS	0.694	0.839	0.925	0.941	0.946	0.949	0.951	0.952
	ST ERRORS OF ESTIMATE	1.897	1.433	1.003	0.895	0.858	0.831	0.816	0.809

TABLE XXIX

STEPWISE MULTIPLE REGRESSION EQUATIONS (STATURE AND WEIGHT FORCED)

EQUATIONS FOR ESTIMATING ACROMION-RADIALE LENGTH — NO. 31

	CONSTANT	25.521	0.035	-4.404	-1.464	0.086	0.739	1.251	2.223
2	WEIGHT	0.095	0.017	-0.009	-0.006	0.003	-0.001	-0.005	-0.001
7	STATURE		0.185	0.094	0.025	0.024	-0.060	-0.079	-0.064
90	SPINE-TO-WRIST LTH			0.260	0.216	0.253	0.262	0.087	0.033
15	TROCHANTERIC HGHT				0.140	0.117	0.089	0.102	0.062
88	SPINE-TO-SCYE LGTH					-0.184	-0.189	-0.241	-0.212
10	ACROMIAL HEIGHT						0.119	0.141	0.182
89	SPINE-TO-ELBOW LTH							0.259	0.264
27	ELBOW REST HEIGHT								-0.101
	MULTIPLE CORRELATIONS	0.441	0.728	0.799	0.820	0.830	0.837	0.845	0.854
	ST ERRORS OF ESTIMATE	1.459	1.116	0.978	0.931	0.908	0.892	0.869	0.849

EQUATIONS FOR ESTIMATING RADIALE-STYLION LENGTH — NO. 32

	CONSTANT	19.461	-0.893	0.556	1.445	-0.045	-0.809	-0.947	-1.472
2	WEIGHT	0.068	0.005	0.020	0.019	0.010	0.011	0.011	0.010
7	STATURE		0.148	0.033	0.010	0.003	0.011	0.013	0.015
87	SLEEVE INSEAM			0.370	0.331	0.278	0.195	0.188	0.186
18	TIBIALE HEIGHT				0.110	0.106	0.055	0.041	0.041
90	SPINE-TO-WRIST LTH					0.071	0.442	0.442	0.433
89	SPINE-TO-ELBOW LTH						-0.456	-0.454	-0.444
20	ANKLE HEIGHT							0.054	0.054
118	NASAL BREADTH								0.166
	MULTIPLE CORRELATIONS	0.376	0.666	0.808	0.815	0.819	0.859	0.860	0.861
	ST ERRORS OF ESTIMATE	1.268	1.021	0.807	0.793	0.785	0.702	0.699	0.697

EQUATIONS FOR ESTIMATING THUMB-TIP REACH — NO. 33

	CONSTANT	61.257	9.648	12.827	10.513	9.260	11.754	12.900	17.419
2	WEIGHT	0.223	0.064	0.094	0.085	0.072	0.074	0.115	0.151
7	STATURE		0.375	0.137	0.089	0.074	0.170	0.173	0.165
87	SLEEVE INSEAM			0.763	0.734	0.632	0.541	0.545	0.528
91	HAND LENGTH				0.647	0.595	0.553	0.583	0.585
34	THUMB-TIP,EXTENDED					0.118	0.121	0.121	0.129
24	EYE HEIGHT,SITTING						-0.185	-0.189	-0.186
78	THIGH CLEARANCE							-0.360	-0.367
65	CHEST BREADTH								-0.191
	MULTIPLE CORRELATIONS	0.433	0.655	0.734	0.745	0.753	0.758	0.762	0.765
	ST ERRORS OF ESTIMATE	3.496	2.932	2.634	2.588	2.556	2.533	2.514	2.501

TABLE XXIX

STEPWISE MULTIPLE REGRESSION EQUATIONS (STATURE AND WEIGHT FORCED)

EQUATIONS FOR ESTIMATING THUMB-TIP REACH, EXTENDED — NO. 34

	CONSTANT	68.014	7.647	6.085	8.760	6.200	0.298	5.836	-2.121
2	WEIGHT	0.274	0.087	0.070	0.099	0.078	0.030	0.042	0.031
7	STATURE		0.439	0.027	-0.049	-0.076	-0.066	-0.061	-0.061
35	OVERHEAD REACH			0.348	0.254	0.249	0.242	0.239	0.234
87	SLEEVE INSEAM				0.605	0.441	0.457	0.451	0.443
33	THUMB-TIP REACH					0.221	0.231	0.237	0.236
65	CHEST BREADTH						0.250	0.259	0.256
116	BIZYGOMATIC BRDTH							-0.533	-0.639
98	HEAD CIRCUMFERENCE								0.209
	MULTIPLE CORRELATIONS	0.422	0.622	0.699	0.725	0.734	0.737	0.740	0.742
	ST ERRORS OF ESTIMATE	4.423	3.821	3.491	3.366	3.316	3.300	3.288	3.275

EQUATIONS FOR ESTIMATING OVERHEAD REACH — NO. 35

	CONSTANT	167.356	4.895	9.208	5.529	11.890	13.782	7.794	2.324
2	WEIGHT	0.552	0.050	0.093	0.051	0.044	0.026	-0.002	-0.049
7	STATURE		1.181	0.841	0.785	0.586	0.282	0.231	0.193
87	SLEEVE INSEAM			1.095	0.795	0.590	0.587	0.543	0.619
34	THUMB-TIP,EXTENDED				0.339	0.308	0.304	0.298	0.284
15	TROCHANTERIC HGHT					0.459	0.363	0.362	0.436
10	ACROMIAL HEIGHT						0.431	0.483	0.393
63	BIACROMIAL BREADTH							0.322	0.311
51	VERTICAL TRK C,SIT								0.122
	MULTIPLE CORRELATIONS	0.485	0.853	0.880	0.891	0.897	0.900	0.902	0.903
	ST ERRORS OF ESTIMATE	7.486	4.471	4.072	3.894	3.779	3.729	3.705	3.683

EQUATIONS FOR ESTIMATING NECK CIRCUMFERENCE — NO. 36

	CONSTANT	26.244	25.873	20.535	21.001	16.465	18.738	18.386	23.369
2	WEIGHT	0.130	0.128	0.123	0.124	0.113	0.114	0.114	0.162
7	STATURE		0.003	-0.008	-0.021	-0.023	-0.018	-0.014	-0.028
111	SAGITTAL CURVATURE			0.213	0.191	0.191	0.179	0.148	0.145
20	ANKLE HEIGHT				0.210	0.225	0.215	0.205	0.193
116	BIZYGOMATIC BRDTH					0.413	0.572	0.533	0.517
113	BIOCULAR BREADTH						-0.482	-0.546	-0.558
118	NASAL BREADTH							0.631	0.583
45	UPPER THIGH CIRCUM								-0.086
	MULTIPLE CORRELATIONS	0.582	0.582	0.609	0.630	0.644	0.656	0.667	0.675
	ST ERRORS OF ESTIMATE	1.364	1.364	1.330	1.303	1.285	1.267	1.252	1.240

TABLE XXIX

STEPWISE MULTIPLE REGRESSION EQUATIONS (STATURE AND WEIGHT FORCED)

EQUATIONS FOR ESTIMATING SHOULDER CIRCUMFERENCE NO. 37

	CONSTANT	67.504	85.773	36.627	23.004	21.718	21.564	25.759	22.090
2	WEIGHT	0.570	0.627	0.263	0.147	0.149	0.166	0.201	0.162
7	STATURE		-0.133	-0.044	-0.012	-0.011	-0.042	-0.017	0.009
64	BIDELTOID BREADTH			1.331	0.954	0.867	0.730	0.722	0.654
38	CHEST CIRC AT SCYE				0.367	0.329	0.334	0.351	0.320
82	INTERSCYE					0.224	0.205	0.195	0.216
63	BIACROMIAL BREADTH						0.284	0.273	0.299
50	VERTICAL TRUNK CIR							-0.069	-0.076
54	AXILLARY ARM CIRC								0.241
	MULTIPLE CORRELATIONS	0.835	0.845	0.915	0.932	0.936	0.938	0.939	0.941
	ST ERRORS OF ESTIMATE	2.828	2.747	2.074	1.863	1.816	1.785	1.766	1.746

EQUATIONS FOR ESTIMATING CHEST CIRCUMFERENCE AT SCYE NO. 38

	CONSTANT	53.650	75.232	25.593	0.461	-2.878	-2.092	-4.049	-3.683
2	WEIGHT	0.530	0.597	0.189	0.017	-0.019	-0.013	-0.027	-0.028
7	STATURE		-0.157	-0.027	-0.001	-0.002	-0.000	0.005	0.003
39	BUST CIRCUMFERENCE			0.581	0.439	0.421	0.483	0.479	0.459
37	SHOULDER CIRCUMFER				0.434	0.407	0.398	0.323	0.301
53	SCYE CIRCUMFERENCE					0.267	0.254	0.242	0.243
66	BUSTPT-BUSTPT BRTH						-0.304	-0.291	-0.281
64	BIDELTOID BREADTH							0.240	0.209
65	CHEST BREADTH								0.182
	MULTIPLE CORRELATIONS	0.803	0.819	0.902	0.929	0.932	0.934	0.936	0.937
	ST ERRORS OF ESTIMATE	2.959	2.849	2.142	1.838	1.802	1.773	1.756	1.744

EQUATIONS FOR ESTIMATING BUST CIRCUMFERENCE NO. 39

	CONSTANT	54.739	85.565	44.575	13.540	10.208	6.732	3.520	2.941
2	WEIGHT	0.606	0.701	0.303	0.076	0.057	0.024	0.006	-0.001
7	STATURE		-0.224	-0.089	-0.036	-0.035	-0.028	-0.034	-0.033
74	CHEST DEPTH			1.780	1.338	1.095	1.020	0.930	0.965
38	CHEST CIRC AT SCYE				0.546	0.530	0.470	0.447	0.416
66	BUSTPT-BUSTPT BRTH					0.613	0.617	0.582	0.569
40	CHEST C BELOW BUST						0.148	0.165	0.137
81	STRAP LENGTH							0.133	0.127
65	CHEST BREADTH								0.190
	MULTIPLE CORRELATIONS	0.799	0.824	0.909	0.944	0.952	0.954	0.956	0.957
	ST ERRORS OF ESTIMATE	3.428	3.234	2.378	1.879	1.747	1.708	1.673	1.656

TABLE XXIX

STEPWISE MULTIPLE REGRESSION EQUATIONS (STATURE AND WEIGHT FORCED)

EQUATIONS FOR ESTIMATING CHEST CIRCUMFERENCE BELOW BUST — NO. 40

	CONSTANT	44.824	65.444	27.133	21.261	15.421	13.252	15.412	23.908
2	WEIGHT	0.511	0.575	0.260	0.210	0.129	0.117	0.129	0.208
7	STATURE		-0.150	-0.050	-0.046	-0.022	-0.021	-0.011	-0.038
39	BUST CIRCUMFERENCE			0.449	0.355	0.310	0.290	0.342	0.325
65	CHEST BREADTH				0.591	0.547	0.469	0.460	0.469
41	WAIST CIRCUMFERNCE					0.177	0.166	0.174	0.163
84	BACK CURVATURE						0.176	0.169	0.165
81	STRAP LENGTH							-0.140	-0.136
69	THIGH-THIGH BR,SIT								-0.177
	MULTIPLE CORRELATIONS	0.790	0.806	0.859	0.872	0.878	0.882	0.885	0.887
	ST ERRORS OF ESTIMATE	2.983	2.885	2.493	2.382	2.333	2.299	2.268	2.251

EQUATIONS FOR ESTIMATING WAIST CIRCUMFERENCE — NO. 41

	CONSTANT	32.563	60.609	31.397	15.929	9.773	2.936	1.735	3.531
2	WEIGHT	0.600	0.687	0.334	0.173	0.107	0.060	0.054	0.057
7	STATURE		-0.204	-0.145	-0.068	-0.046	-0.033	-0.045	0.003
67	WAIST BREADTH			1.659	1.381	1.339	1.289	1.279	1.261
75	WAIST DEPTH				1.116	0.993	0.967	0.964	0.948
42	ABDOMINAL EXT CIRC					0.111	0.106	0.109	0.111
38	CHEST CIRC AT SCYE						0.113	0.108	0.110
86	ANTERIOR WAIST LTH							0.125	0.172
22	SITTING HT,RELAXED								-0.133
	MULTIPLE CORRELATIONS	0.824	0.846	0.924	0.947	0.950	0.952	0.953	0.954
	ST ERRORS OF ESTIMATE	3.101	2.922	2.096	1.763	1.709	1.680	1.668	1.649

EQUATIONS FOR ESTIMATING ABDOMINAL EXTENSION CIRCUMFERENCE — NO. 42

	CONSTANT	41.305	82.708	47.672	10.127	1.231	-1.609	-2.304	3.671
2	WEIGHT	0.768	0.896	0.479	0.133	0.029	0.052	0.034	0.050
7	STATURE		-0.301	-0.137	-0.070	-0.044	0.228	0.121	0.099
76	ABDOMINAL EXT DPTH			1.557	1.397	1.124	1.067	0.933	0.937
43	HIP C-7" BLW WAIST				0.534	0.493	0.464	0.474	0.455
41	WAIST CIRCUMFERNCE					0.301	0.298	0.341	0.348
14	ABDOMINAL EXT HGT						-0.413	-0.751	-0.727
13	WAIST HEIGHT							0.494	0.497
118	NASAL BREADTH								-1.454
	MULTIPLE CORRELATIONS	0.794	0.821	0.859	0.877	0.884	0.890	0.894	0.897
	ST ERRORS OF ESTIMATE	4.428	4.157	3.728	3.506	3.413	3.320	3.265	3.232

TABLE XXIX

STEPWISE MULTIPLE REGRESSION EQUATIONS (STATURE AND WEIGHT FORCED)

EQUATIONS FOR ESTIMATING HIP CIRCUMFERENCE-SEVEN INCHES BELOW WAIST LEVEL 43

	CONSTANT	55.416	76.894	30.429	19.380	11.602	8.048	5.344	4.799
2	WEIGHT	0.662	0.728	0.255	0.134	0.047	0.010	-0.019	-0.010
7	STATURE		-0.156	-0.050	-0.016	0.006	0.007	0.021	0.184
44	HIP C-9" BLW WAIST			0.611	0.578	0.609	0.488	0.473	0.468
42	ABDOMINAL EXT CIRC				0.164	0.122	0.106	0.107	0.100
41	WAIST CIRCUMFERNCE					0.147	0.134	0.132	0.136
52	BUTTOCK CIRC, SIT						0.193	0.180	0.183
77	BUTTOCK DEPTH							0.231	0.231
9	CERVICALE HEIGHT								-0.186
	MULTIPLE CORRELATIONS	0.892	0.903	0.949	0.957	0.959	0.961	0.962	0.963
	ST ERRORS OF ESTIMATE	2.530	2.403	1.758	1.623	1.576	1.538	1.523	1.508

EQUATIONS FOR ESTIMATING HIP CIRCUMFERENCE-NINE INCHES BELOW WAIST LEVEL 44

	CONSTANT	54.397	75.274	40.064	14.128	6.867	0.248	6.039	7.572
2	WEIGHT	0.709	0.774	0.447	0.197	0.110	0.035	0.102	0.123
7	STATURE		-0.156	-0.112	-0.051	-0.037	-0.002	-0.023	-0.035
68	HIP BREADTH			1.360	0.941	0.793	0.678	0.626	0.608
43	HIP C-7" BLW WAIST				0.482	0.342	0.285	0.333	0.339
52	BUTTOCK CIRC, SIT					0.283	0.279	0.279	0.296
45	UPPER THIGH CIRCUM						0.271	0.236	0.228
41	WAIST CIRCUMFERNCE							-0.104	-0.082
76	ABDOMINAL EXT DPTH								-0.166
	MULTIPLE CORRELATIONS	0.886	0.895	0.950	0.964	0.968	0.972	0.973	0.973
	ST ERRORS OF ESTIMATE	2.796	2.682	1.883	1.597	1.509	1.423	1.395	1.384

EQUATIONS FOR ESTIMATING UPPER THIGH CIRCUMFERENCE NO. 45

	CONSTANT	28.283	52.749	20.279	18.928	16.269	21.797	26.076	23.494
2	WEIGHT	0.471	0.547	0.215	0.162	0.139	0.186	0.236	0.209
7	STATURE		-0.178	-0.111	-0.120	-0.102	-0.112	-0.128	-0.116
44	HIP C-9" BLW WAIST			0.428	0.422	0.276	0.260	0.254	0.233
78	THIGH CLEARANCE				0.518	0.620	0.615	0.580	0.554
69	THIGH-THIGH BR,SIT					0.359	0.365	0.351	0.344
65	CHEST BREADTH						-0.188	-0.182	-0.162
75	WAIST DEPTH							-0.188	-0.228
77	BUTTOCK DEPTH								0.232
	MULTIPLE CORRELATIONS	0.840	0.867	0.909	0.915	0.922	0.923	0.925	0.926
	ST ERRORS OF ESTIMATE	2.287	2.101	1.759	1.701	1.641	1.622	1.611	1.597

TABLE XXIX

STEPWISE MULTIPLE REGRESSION EQUATIONS (STATURE AND WEIGHT FORCED)

EQUATIONS FOR ESTIMATING KNEE CIRCUMFERENCE NO. 46

	CONSTANT	22.041	25.621	14.023	7.909	4.401	13.315	12.739	9.807
2	WEIGHT	0.247	0.258	0.157	0.093	0.077	0.145	0.139	0.114
7	STATURE		-0.026	-0.004	0.018	0.012	-0.004	0.002	0.010
47	CALF CIRCUM, RIGHT			0.406	0.376	0.349	0.318	0.295	0.269
45	UPPER THIGH CIRCUM				0.131	0.135	0.120	0.110	0.120
73	FEMORAL BREADTH, L					0.750	0.735	0.732	0.686
37	SHOULDER CIRCUMFER						-0.082	-0.075	-0.089
6	MEDIAL CALF SKINFD							0.383	0.371
60	FOREARM C, RELAXED								0.222
	MULTIPLE CORRELATIONS	0.819	0.822	0.862	0.870	0.879	0.884	0.887	0.890
	ST ERRORS OF ESTIMATE	1.299	1.292	1.150	1.118	1.083	1.061	1.047	1.034

EQUATIONS FOR ESTIMATING CALF CIRCUMFERENCE, RIGHT NO. 47

	CONSTANT	21.153	28.741	17.528	11.718	17.223	24.025	23.624	25.779
2	WEIGHT	0.225	0.248	0.169	0.104	0.162	0.217	0.213	0.237
7	STATURE		-0.055	-0.065	-0.055	-0.073	-0.087	-0.078	-0.084
49	ANKLE CIRCUMFERNCE			0.825	0.680	0.633	0.605	0.606	0.589
46	KNEE CIRCUMFERENCE				0.303	0.276	0.233	0.235	0.231
75	WAIST DEPTH					-0.233	-0.201	-0.196	-0.162
39	BUST CIRCUMFERENCE						-0.068	-0.065	-0.062
20	ANKLE HEIGHT							-0.114	-0.114
42	ABDOMINAL EXT CIRC								-0.034
	MULTIPLE CORRELATIONS	0.752	0.763	0.853	0.868	0.874	0.879	0.881	0.883
	ST ERRORS OF ESTIMATE	1.480	1.454	1.175	1.118	1.093	1.075	1.065	1.057

EQUATIONS FOR ESTIMATING CALF CIRCUMFERENCE, LEFT NO. 48

	CONSTANT	21.126	28.285	17.241	28.493	22.147	25.958	25.492	25.364
2	WEIGHT	0.227	0.249	0.170	0.261	0.198	0.239	0.234	0.241
7	STATURE		-0.052	-0.062	-0.087	-0.075	-0.089	-0.078	0.020
49	ANKLE CIRCUMFERNCE			0.817	0.720	0.634	0.598	0.599	0.592
39	BUST CIRCUMFERENCE				-0.116	-0.094	-0.083	-0.080	-0.084
46	KNEE CIRCUMFERENCE					0.217	0.201	0.203	0.199
75	WAIST DEPTH						-0.209	-0.202	-0.199
20	ANKLE HEIGHT							-0.135	-0.120
9	CERVICALE HEIGHT								-0.113
	MULTIPLE CORRELATIONS	0.747	0.756	0.843	0.857	0.864	0.869	0.873	0.874
	ST ERRORS OF ESTIMATE	1.516	1.493	1.229	1.175	1.149	1.130	1.116	1.109

TABLE XXIX

STEPWISE MULTIPLE REGRESSION EQUATIONS (STATURE AND WEIGHT FORCED)

EQUATIONS FOR ESTIMATING ANKLE CIRCUMFERENCE — NO. 49

	CONSTANT	15.254	13.597	1.499	-2.580	-3.899	-3.930	-4.405	-3.750
2	WEIGHT	0.101	0.096	-0.008	-0.030	-0.045	-0.046	-0.049	-0.043
7	STATURE		0.012	0.035	0.024	0.025	0.013	-0.005	-0.008
47	CALF CIRCUM, RIGHT			0.421	0.395	0.356	0.353	0.354	0.341
62	WRIST CIRCUMFERNCE				0.536	0.520	0.477	0.463	0.459
46	KNEE CIRCUMFERENCE					0.099	0.100	0.101	0.102
94	FOOT LENGTH						0.114	0.133	0.135
25	MIDSHOULDER HT,SIT							0.056	0.060
1	AGE								-0.014
	MULTIPLE CORRELATIONS	0.591	0.593	0.759	0.791	0.796	0.799	0.802	0.805
	ST ERRORS OF ESTIMATE	1.040	1.038	0.839	0.790	0.782	0.777	0.771	0.766

EQUATIONS FOR ESTIMATING VERTICAL TRUNK CIRCUMFERENCE — NO. 50

	CONSTANT	112.915	69.056	25.387	25.425	17.940	15.391	14.252	16.039
2	WEIGHT	0.719	0.583	0.236	0.236	0.158	0.141	0.128	0.129
7	STATURE		0.319	-0.042	0.129	0.182	0.153	0.155	0.049
51	VERTICAL TRK C,SIT			0.826	0.767	0.751	0.736	0.723	0.700
16	BUTTOCK HEIGHT				-0.251	-0.278	-0.250	-0.235	-0.289
77	BUTTOCK DEPTH					0.379	0.407	0.430	0.444
86	ANTERIOR WAIST LTH						0.226	0.246	0.251
1	AGE							0.048	0.046
10	ACROMIAL HEIGHT								0.173
	MULTIPLE CORRELATIONS	0.787	0.822	0.942	0.945	0.947	0.948	0.949	0.950
	ST ERRORS OF ESTIMATE	4.238	3.917	2.301	2.246	2.216	2.187	2.168	2.155

EQUATIONS FOR ESTIMATING VERTICAL TRUNK CIRCUMFERENCE, SITTING — NO. 51

	CONSTANT	113.001	53.004	-1.875	4.369	-2.647	-10.096	-10.304	-10.946
2	WEIGHT	0.642	0.457	-0.306	0.060	0.006	-0.073	-0.071	-0.075
7	STATURE		0.436	0.184	0.064	0.083	0.103	0.125	0.074
50	VERTICAL TRUNK CIR			0.793	0.518	0.602	0.582	0.577	0.573
25	MIDSHOULDER HT,SIT				0.628	0.653	0.663	0.567	0.563
39	BUST CIRCUMFERENCE					0.090	0.102	0.106	0.108
52	BUTTOCK CIRC, SIT						0.102	0.103	0.106
27	ELBOW REST HEIGHT							0.106	0.130
35	OVERHEAD REACH								0.045
	MULTIPLE CORRELATIONS	0.737	0.811	0.939	0.949	0.950	0.951	0.951	0.952
	ST ERRORS OF ESTIMATE	4.432	3.838	2.255	2.062	2.042	2.028	2.021	2.012

TABLE XXIX

STEPWISE MULTIPLE REGRESSION EQUATIONS (STATURE AND WEIGHT FORCED)

EQUATIONS FOR ESTIMATING BUTTOCK CIRCUMFERENCE, SITTING — NO. 52

	CONSTANT	57.736	77.453	29.682	20.144	18.039	9.806	10.196	10.692
2	WEIGHT	0.732	0.792	0.303	0.224	0.214	0.126	0.130	0.125
7	STATURE		-0.143	-0.045	-0.026	-0.007	0.027	0.025	-0.038
44	HIP C-9" BLW WAIST			0.631	0.441	0.301	0.347	0.354	0.343
43	HIP C-7" BLW WAIST				0.311	0.304	0.260	0.260	0.272
69	THIGH-THIGH BR,SIT					0.356	0.377	0.348	0.359
75	WAIST DEPTH						0.396	0.359	0.358
1	AGE							0.033	0.033
13	WAIST HEIGHT								0.095
	MULTIPLE CORRELATIONS	0.904	0.912	0.953	0.957	0.960	0.963	0.963	0.964
	ST ERRORS OF ESTIMATE	2.604	2.501	1.842	1.759	1.700	1.651	1.639	1.631

EQUATIONS FOR ESTIMATING SCYE CIRCUMFERENCE — NO. 53

	CONSTANT	23.473	27.052	6.959	7.612	4.404	1.081	0.975	1.420
2	WEIGHT	0.236	0.247	0.058	0.044	0.033	0.009	0.009	0.009
7	STATURE		-0.026	0.061	-0.089	-0.097	-0.090	-0.092	-0.078
54	AXILLARY ARM CIRC			0.616	0.538	0.622	0.556	0.568	0.559
10	ACROMIAL HEIGHT				0.181	0.179	0.174	0.144	0.144
93	HAND CIRCUMFERENCE					0.319	0.304	0.297	0.293
38	CHEST CIRC AT SCYE						0.075	0.063	0.064
31	ACROMION-RADIALE L							0.154	0.220
87	SLEEVE INSEAM								-0.093
	MULTIPLE CORRELATIONS	0.776	0.778	0.846	0.855	0.862	0.866	0.869	0.871
	ST ERRORS OF ESTIMATE	1.443	1.437	1.221	1.189	1.163	1.147	1.136	1.127

EQUATIONS FOR ESTIMATING AXILLARY ARM CIRCUMFERENCE — NO. 54

	CONSTANT	13.178	32.466	11.801	7.206	2.143	1.528	1.210	0.752
2	WEIGHT	0.247	0.306	0.109	0.069	0.034	0.013	0.009	0.014
7	STATURE		-0.140	-0.043	-0.055	-0.047	-0.036	-0.028	0.047
55	BICEPS C,RELAXED,R			0.637	0.506	0.484	0.469	0.457	0.441
53	SCYE CIRCUMFERENCE				0.329	0.297	0.296	0.285	0.304
64	BIDELTOID BREADTH					0.180	0.172	0.165	0.160
5	SUPRAILIAC SKINFLD						0.406	0.291	0.288
4	SUBSCAPULAR SKINFD							0.424	0.428
10	ACROMIAL HEIGHT								-0.092
	MULTIPLE CORRELATIONS	0.793	0.850	0.904	0.924	0.929	0.934	0.936	0.938
	ST ERRORS OF ESTIMATE	1.424	1.233	1.002	0.896	0.865	0.837	0.826	0.814

TABLE XXIX

STEPWISE MULTIPLE REGRESSION EQUATIONS (STATURE AND WEIGHT FORCED)

EQUATIONS FOR ESTIMATING BICEPS CIRCUMFERENCE, RELAXED, RIGHT — NO. 55

	CONSTANT	11.467	32.516	5.121	2.525	1.804	1.954	2.041	2.964
2	WEIGHT	0.245	0.310	0.047	0.023	0.014	0.011	0.013	0.019
7	STATURE		-0.153	-0.031	-0.020	-0.016	-0.013	-0.005	-0.006
56	BICEPS C,FLEXED, R			0.851	0.760	0.646	0.631	0.626	0.628
54	AXILLARY ARM CIRC				0.169	0.152	0.141	0.138	0.152
58	BICEPS C,FLEXED, L					0.155	0.147	0.147	0.147
3	TRICEPS SKINFOLD						0.238	0.236	0.222
87	SLEEVE INSEAM							-0.029	-0.027
37	SHOULDER CIRCUMFER								-0.016
	MULTIPLE CORRELATIONS	0.803	0.871	0.972	0.975	0.977	0.977	0.978	0.978
	ST ERRORS OF ESTIMATE	1.368	1.127	0.538	0.507	0.494	0.486	0.484	0.482

EQUATIONS FOR ESTIMATING BICEPS CIRCUMFERENCE, FLEXED, RIGHT — NO. 56

	CONSTANT	12.476	32.135	2.733	1.039	-0.174	-0.674	-0.158	0.218
2	WEIGHT	0.248	0.309	0.028	0.016	0.003	0.001	0.001	0.003
7	STATURE		-0.143	-0.005	-0.007	-0.000	-0.006	-0.008	-0.011
55	BICEPS C,RELAXED,R			0.908	0.851	0.709	0.710	0.710	0.711
61	FOREARM C, FLEXED				0.167	0.167	0.151	0.135	0.091
57	BICEPS C,RELAXED,L					0.174	0.186	0.187	0.187
91	HAND LENGTH						0.090	0.082	0.077
125	GRIP STRENGTH							0.011	0.011
59	ELBOW CIRC, FLEXED								0.043
	MULTIPLE CORRELATIONS	0.805	0.865	0.971	0.973	0.974	0.975	0.975	0.975
	ST ERRORS OF ESTIMATE	1.373	1.164	0.555	0.537	0.523	0.519	0.516	0.514

EQUATIONS FOR ESTIMATING BICEPS CIRCUMFERENCE, RELAXED, LEFT — NO. 57

	CONSTANT	10.767	33.310	4.853	3.784	5.189	4.843	4.730	4.163
2	WEIGHT	0.253	0.328	0.049	0.040	0.044	0.042	0.039	0.033
7	STATURE		-0.164	-0.032	-0.028	-0.024	-0.018	-0.017	-0.016
58	BICEPS C,FLEXED, L			0.873	0.759	0.745	0.755	0.749	0.749
56	BICEPS C,FLEXED, R				0.148	0.173	0.186	0.169	0.146
93	HAND CIRCUMFERENCE					-0.141	-0.117	-0.100	-0.124
59	ELBOW CIRC, FLEXED						-0.058	-0.054	-0.066
3	TRICEPS SKINFOLD							0.168	0.165
60	FOREARM C, RELAXED								0.091
	MULTIPLE CORRELATIONS	0.806	0.878	0.978	0.979	0.980	0.980	0.980	0.981
	ST ERRORS OF ESTIMATE	1.425	1.155	0.508	0.497	0.485	0.479	0.475	0.471

TAPLE XXIX

STEPWISE MULTIPLE REGRESSION EQUATIONS (STATURE AND WEIGHT FORCED)

EQUATIONS FOR ESTIMATING BICEPS CIRCUMFERENCE, FLEXED, LEFT NO. 58

	CONSTANT	11.816	32.598	1.740	1.347	0.524	-0.124	-0.115	0.429
2	WEIGHT	0.255	0.319	0.316	0.012	0.006	0.003	0.004	0.005
7	STATURE		-0.151	0.001	-0.008	-0.004	-0.005	-0.005	-0.005
57	BICEPS C,RELAXED,L			0.924	0.899	0.806	0.817	0.811	0.810
59	ELBOW CIRC, FLEXED				0.101	0.092	0.082	0.083	0.083
55	BICEPS C,RELAXED,R					0.123	0.113	0.112	0.112
93	HAND CIRCUMFERENCE						0.067	0.064	0.065
1	AGE							0.006	0.007
114	BIAURICULAR BRDTH								-0.039
	MULTIPLE CORRELATIONS	0.805	0.867	0.976	0.978	0.978	0.978	0.979	0.979
	ST ERRORS OF ESTIMATE	1.414	1.188	0.522	0.503	0.496	0.494	0.492	0.491

EQUATIONS FOR ESTIMATING ELBOW CIRCUMFERENCE, FLEXED NO. 59

	CONSTANT	19.125	13.089	-8.297	-5.299	-2.666	-2.893	-4.805	-3.253
2	WEIGHT	0.136	0.117	-0.059	-0.035	-0.013	-0.015	-0.036	-0.020
7	STATURE		0.044	0.083	0.076	0.071	0.053	0.064	0.054
61	FOREARM C, FLEXED			1.010	1.349	1.364	1.360	1.333	1.297
60	FOREARM C, RELAXED				-0.499	-0.478	-0.474	-0.501	-0.454
47	CALF CIRCUM, RIGHT					-0.116	-0.108	-0.103	-0.105
32	RADIALE-STYLION L						0.128	0.133	0.126
58	BICEPS C,FLEXED, L							0.089	0.375
57	BICEPS C,RELAXED,L								-0.328
	MULTIPLE CORRELATIONS	0.572	0.586	0.789	0.800	0.805	0.808	0.810	0.815
	ST ERRORS OF ESTIMATE	1.462	1.445	1.097	1.072	1.059	1.051	1.047	1.034

EQUATIONS FOR ESTIMATING FOREARM CIRCUMFERENCE, RELAXED NO. 60

	CONSTANT	14.932	20.272	5.945	5.080	2.759	2.032	1.755	2.990
2	WEIGHT	0.148	0.165	0.046	0.044	0.020	0.016	0.016	0.026
7	STATURE		-0.039	-0.013	-0.019	-0.006	0.001	-0.003	-0.006
61	FOREARM C, FLEXED			0.680	0.627	0.570	0.661	0.644	0.639
62	WRIST CIRCUMFERNCE				0.219	0.243	0.245	0.195	0.177
55	BICEPS C,RELAXED,R					0.104	0.102	0.102	0.105
59	ELBOW CIRC, FLEXED						-0.090	-0.090	-0.092
70	HUMERAL BREADTH, R							0.342	0.342
69	THIGH-THIGH BR,SIT								-0.025
	MULTIPLE CORRELATIONS	0.808	0.820	0.941	0.944	0.947	0.950	0.951	0.952
	ST ERRORS OF ESTIMATE	0.813	0.789	0.468	0.456	0.443	0.433	0.426	0.424

TABLE XXIX

STEPWISE MULTIPLE REGRESSION EQUATIONS (STATURE AND WEIGHT FORCED)

EQUATIONS FOR ESTIMATING FOREARM CIRCUMFERENCE, FLEXED — NO. 61

	CONSTANT	15.911	21.089	1.806	2.480	1.524	0.740	0.028	-0.181
2	WEIGHT	0.157	0.174	0.017	0.020	0.012	0.002	0.001	0.001
7	STATURE		-0.038	-0.031	-0.019	-0.018	-0.012	-0.012	-0.013
60	FOREARM C, RELAXED			0.952	0.761	0.747	0.717	0.713	0.697
59	ELBOW CIRC, FLEXED				0.243	0.246	0.241	0.240	0.237
48	CALF CIRCUM, LEFT					0.041	0.043	0.044	0.044
56	BICEPS C,FLEXED, R						0.047	0.049	0.051
113	BIOCULAR BREADTH							0.083	0.074
93	HAND CIRCUMFERENCE								0.047
	MULTIPLE CORRELATIONS	0.779	0.790	0.931	0.954	0.955	0.956	0.956	0.956
	ST ERRORS OF ESTIMATE	0.952	0.933	0.554	0.454	0.453	0.448	0.446	0.445

EQUATIONS FOR ESTIMATING WRIST CIRCUMFERENCE — NO. 62

	CONSTANT	11.441	8.985	4.237	1.120	0.581	2.290	2.260	2.280
2	WEIGHT	0.061	0.053	0.033	0.005	0.000	0.018	0.018	0.017
7	STATURE		0.018	0.010	0.019	0.017	0.012	0.009	0.003
93	HAND CIRCUMFERENCE			0.393	0.318	0.299	0.286	0.266	0.247
60	FOREARM C, RELAXED				0.198	0.173	0.167	0.144	0.145
49	ANKLE CIRCUMFERENCE					0.099	0.104	0.100	0.101
45	UPPER THIGH CIRCUM						-0.030	-0.029	-0.027
72	HUMERAL BREADTH, R							0.263	0.238
91	HAND LENGTH								0.065
	MULTIPLE CORRELATIONS	0.646	0.658	0.787	0.813	0.825	0.829	0.833	0.836
	ST ERRORS OF ESTIMATE	0.544	0.536	0.439	0.415	0.403	0.398	0.394	0.392

EQUATIONS FOR ESTIMATING BIACROMIAL BREADTH — NO. 63

	CONSTANT	29.608	19.564	15.292	1.289	0.825	1.603	3.020	1.763
2	WEIGHT	0.108	0.077	0.065	-0.042	-0.045	-0.026	-0.016	-0.023
7	STATURE		0.073	0.032	0.065	0.030	0.024	0.024	0.020
79	SHOULDER LENGTH			0.792	0.664	0.615	0.603	0.633	0.674
64	BIDELTOID BREADTH				0.399	0.373	0.385	0.388	0.362
90	SPINE-TO-WRIST LTH					0.102	0.094	0.088	0.088
5	SUPRAILIAC SKINFLD						-0.300	-0.270	-0.255
80	NECK-BUST POINT L							-0.084	-0.285
81	STRAP LENGTH								0.121
	MULTIPLE CORRELATIONS	0.495	0.545	0.711	0.780	0.790	0.796	0.800	0.808
	ST ERRORS OF ESTIMATE	1.425	1.375	1.153	1.027	1.007	0.994	0.986	0.969

TABLE XXIX

STEPWISE MULTIPLE REGRESSION EQUATIONS (STATURE AND WEIGHT FORCED)

EQUATIONS FOR ESTIMATING BIDELTOID BREADTH NO. 64

	CONSTANT	27.729	36.753	9.070	8.887	5.651	4.918	2.075	1.770
2	WEIGHT	0.245	0.274	0.071	0.087	0.051	0.042	0.013	0.013
7	STATURE		-0.066	-0.023	-0.049	-0.030	-0.027	-0.018	-0.016
37	SHOULDER CIRCUMFER			0.323	0.268	0.236	0.207	0.208	0.194
63	BIACROMIAL BREADTH				0.251	0.269	0.264	0.271	0.266
54	AXILLARY ARM CIRC					0.175	0.184	0.182	0.191
65	CHEST BREADTH						0.129	0.140	0.126
77	BUTTOCK DEPTH							0.116	0.114
82	INTERSCYE								0.050
	MULTIPLE CORRELATIONS	0.798	0.811	0.897	0.907	0.911	0.914	0.915	0.916
	ST ERRORS OF ESTIMATE	1.394	1.353	1.022	0.974	0.953	0.941	0.934	0.930

EQUATIONS FOR ESTIMATING CHEST BREADTH NO. 65

	CONSTANT	17.718	23.487	7.142	3.528	-0.761	-1.195	-0.871	-1.021
2	WEIGHT	0.178	0.196	0.067	0.030	0.001	0.003	0.005	0.003
7	STATURE		-0.042	-0.008	0.001	0.008	0.008	0.033	0.022
38	CHEST CIRC AT SCYE			0.217	0.155	0.106	0.090	0.090	0.088
40	CHEST C BELOW BUST				0.128	0.124	0.120	0.122	0.123
64	BIDELTOID BREADTH					0.221	0.180	0.181	0.178
82	INTERSCYE						0.105	0.111	0.116
33	THUMB-TIP REACH							-0.066	-0.083
34	THUMB-TIP,EXTENDED								0.040
	MULTIPLE CORRELATIONS	0.701	0.710	0.779	0.798	0.809	0.815	0.822	0.825
	ST ERRORS OF ESTIMATE	1.366	1.349	1.200	1.156	1.126	1.110	1.093	1.084

EQUATIONS FOR ESTIMATING BUSTPOINT-TO-BUSTPOINT BREADTH NO. 66

	CONSTANT	11.546	16.516	0.112	2.559	3.891	4.493	4.216	5.525
2	WEIGHT	0.121	0.136	0.001	0.021	0.028	0.032	0.027	0.042
7	STATURE		-0.036	0.007	0.004	0.003	0.022	0.023	0.017
39	BUST CIRCUMFERENCE			0.192	0.251	0.259	0.257	0.230	0.232
38	CHEST CIRC AT SCYE				-0.101	-0.089	-0.088	-0.082	-0.084
84	BACK CURVATURE					-0.076	-0.073	-0.072	-0.070
25	MIDSHOULDER HT,SIT						-0.068	-0.065	-0.067
74	CHEST DEPTH							0.089	0.100
76	ABDOMINAL EXT DPTH								-0.069
	MULTIPLE CORRELATIONS	0.586	0.598	0.720	0.734	0.742	0.747	0.749	0.750
	ST ERRORS OF ESTIMATE	1.254	1.241	1.074	1.052	1.038	1.031	1.028	1.026

TABLE XXIX

STEPWISE MULTIPLE REGRESSION EQUATIONS (STATURE AND WEIGHT FORCED)

EQUATIONS FOR ESTIMATING WAIST BREADTH — NO. 67

	CONSTANT	12.754	17.666	-0.146	0.973	-0.383	0.403	0.211	0.592
2	WEIGHT	0.197	0.213	0.012	0.022	0.014	0.021	0.020	0.017
7	STATURE		-0.036	0.024	0.017	0.019	0.024	0.009	-0.043
41	WAIST CIRCUMFERNCE			0.293	0.333	0.326	0.317	0.317	0.322
75	WAIST DEPTH				-0.191	-0.192	-0.179	-0.180	-0.188
84	BACK CURVATURE					0.047	0.048	0.045	0.046
26	WAIST HGHT,SITTING						-0.071	-0.099	-0.122
25	MIDSHOULDER HT,SIT							0.060	0.091
13	WAIST HEIGHT								0.067
	MULTIPLE CORRELATIONS	0.768	0.773	0.891	0.895	0.897	0.898	0.900	0.902
	ST ERRORS OF ESTIMATE	1.241	1.228	0.881	0.865	0.858	0.851	0.846	0.839

EQUATIONS FOR ESTIMATING HIP BREADTH — NO. 68

	CONSTANT	21.863	26.300	-2.012	-4.379	-2.490	-2.285	-4.447	-5.386
2	WEIGHT	0.227	0.240	-0.048	-0.061	-0.040	-0.037	-0.054	-0.061
7	STATURE		-0.032	0.026	0.046	0.037	0.036	0.040	0.037
44	HIP C-9" BLW WAIST			0.373	0.229	0.242	0.240	0.240	0.239
69	THIGH-THIGH BR,SIT				0.356	0.357	0.367	0.371	0.376
77	BUTTOCK DEPTH					-0.138	-0.144	-0.145	-0.137
1	AGE						-0.012	-0.013	-0.013
64	BIDELTOID BREADTH							0.057	0.056
70	HUMERAL BREADTH, R								0.262
	MULTIPLE CORRELATIONS	0.770	0.774	0.896	0.919	0.921	0.921	0.922	0.923
	ST ERRORS OF ESTIMATE	1.413	1.404	0.986	0.875	0.865	0.862	0.859	0.857

EQUATIONS FOR ESTIMATING THIGH-TO-THIGH BREADTH, SITTING — NO. 69

	CONSTANT	20.985	37.226	15.021	5.082	0.297	0.851	4.976	8.912
2	WEIGHT	0.298	0.348	0.145	0.037	-0.014	0.015	0.045	0.090
7	STATURE		-0.118	-0.091	-0.070	-0.047	-0.038	-0.036	-0.048
68	HIP BREADTH			0.845	0.664	0.584	0.575	0.572	0.552
52	BUTTOCK CIRC, SIT				0.191	0.173	0.157	0.148	0.159
45	UPPER THIGH CIRCUM					0.155	0.195	0.181	0.169
78	THIGH CLEARANCE						-0.321	-0.309	-0.333
62	WRIST CIRCUMFERNCE							-0.304	-0.317
41	WAIST CIRCUMFERNCE								-0.057
	MULTIPLE CORRELATIONS	0.783	0.811	0.911	0.921	0.927	0.932	0.933	0.935
	ST ERRORS OF ESTIMATE	1.779	1.675	1.183	1.113	1.074	1.040	1.028	1.016

TABLE XXIX

STEPWISE MULTIPLE REGRESSION EQUATIONS (STATURE AND WEIGHT FORCED)

EQUATIONS FOR ESTIMATING HUMERAL BREADTH, RIGHT — NO. 70

	CONSTANT	4.863	2.940	1.266	0.108	-0.399	-0.600	-0.285	-0.815
2	WEIGHT	0.022	0.016	0.006	-0.004	-0.007	-0.007	-0.003	-0.006
7	STATURE		0.014	0.011	0.015	0.014	0.013	0.011	0.012
62	WRIST CIRCUMFERNCE			0.183	0.127	0.107	0.078	0.078	0.077
60	FOREARM C, RELAXED				0.082	0.080	0.077	0.077	0.078
73	FEMORAL BREADTH, L					0.146	0.143	0.140	0.143
92	HAND BREADTH						0.118	0.104	0.102
4	SUBSCAPULAR SKINFD							-0.071	-0.083
39	BUST CIRCUMFERENCE								0.006
	MULTIPLE CORRELATIONS	0.538	0.588	0.659	0.694	0.716	0.726	0.731	0.733
	ST ERRORS OF ESTIMATE	0.259	0.248	0.228	0.221	0.214	0.211	0.210	0.209

EQUATIONS FOR ESTIMATING HUMERAL BREADTH, LEFT — NO. 71

	CONSTANT	4.931	2.908	1.323	0.229	-0.233	-0.403	-0.121	-0.526
2	WEIGHT	0.022	0.016	0.006	-0.004	-0.006	-0.006	-0.001	-0.005
7	STATURE		0.014	0.011	0.015	0.014	0.013	0.011	0.013
62	WRIST CIRCUMFERNCE			0.177	0.123	0.106	0.078	0.079	0.084
60	FOREARM C, RELAXED				0.078	0.077	0.074	0.073	0.061
73	FEMORAL BREADTH, L					0.125	0.122	0.119	0.120
92	HAND BREADTH						0.112	0.097	0.099
4	SUBSCAPULAR SKINFD							-0.078	-0.085
58	BICEPS C,FLEXED, L								0.019
	MULTIPLE CORRELATIONS	0.544	0.594	0.672	0.696	0.712	0.721	0.727	0.730
	ST ERRORS OF ESTIMATE	0.253	0.243	0.223	0.217	0.212	0.209	0.207	0.206

EQUATIONS FOR ESTIMATING FEMORAL BREADTH, RIGHT — NO. 72

	CONSTANT	6.442	5.319	3.947	2.276	3.576	3.574	2.658	1.711
2	WEIGHT	0.029	0.026	0.019	0.001	0.014	0.010	0.006	-0.002
7	STATURE		0.008	0.002	0.004	0.000	-0.001	0.000	0.002
70	HUMERAL BREADTH, R			0.449	0.411	0.375	0.367	0.353	0.347
46	KNEE CIRCUMFERENCE				0.072	0.075	0.069	0.069	0.076
77	BUTTOCK DEPTH					-0.061	-0.065	-0.057	-0.052
78	THIGH CLEARANCE						0.060	0.058	0.057
117	BIGONIAL BREADTH							0.091	0.090
65	CHEST BREADTH								0.028
	MULTIPLE CORRELATIONS	0.487	0.496	0.554	0.590	0.605	0.615	0.624	0.629
	ST ERRORS OF ESTIMATE	0.394	0.392	0.376	0.365	0.360	0.356	0.353	0.351

TABLE XXIX

STEPWISE MULTIPLE REGRESSION EQUATIONS (STATURE AND WEIGHT FORCED)

EQUATIONS FOR ESTIMATING FEMORAL BREADTH, LEFT — NO. 73

	CONSTANT	5.409	5.446	4.075	2.506	1.457	2.547	2.606	1.820
2	WEIGHT	0.030	0.027	0.020	0.009	-0.001	0.010	0.007	-0.000
7	STATURE		0.007	0.031	0.033	0.034	0.031	-0.000	0.001
70	HUMERAL BREADTH, R			0.448	0.412	0.388	0.363	0.357	0.351
46	KNEE CIRCUMFERENCE				0.069	0.070	0.072	0.067	0.074
117	BIGONIAL BREADTH					0.115	0.101	0.098	0.097
77	BUTTOCK DEPTH						-0.048	-0.052	-0.047
78	THIGH CLEARANCE							0.049	0.048
65	CHEST BREADTH								0.026
	MULTIPLE CORRELATIONS	0.515	0.522	0.580	0.615	0.630	0.639	0.646	0.651
	ST ERRORS OF ESTIMATE	0.375	0.374	0.357	0.346	0.340	0.337	0.335	0.333

EQUATIONS FOR ESTIMATING CHEST DEPTH — NO. 74

	CONSTANT	12.616	23.098	0.987	5.265	5.352	9.703	8.917	8.931
2	WEIGHT	0.191	0.223	0.042	0.072	0.075	0.112	0.107	0.101
7	STATURE		-0.076	-0.018	-0.025	-0.024	-0.033	-0.034	-0.095
39	BUST CIRCUMFERENCE			0.258	0.276	0.291	0.276	0.261	0.254
64	BIDELTOID BREADTH				-0.155	-0.117	-0.124	-0.123	-0.120
65	CHEST BREADTH					-0.120	-0.124	-0.114	-0.113
47	CALF CIRCUM, RIGHT						-0.096	-0.091	-0.082
80	NECK-BUST POINT L							0.082	0.146
12	BUSTPOINT HEIGHT								• 0.074
	MULTIPLE CORRELATIONS	0.744	0.770	0.883	0.890	0.893	0.895	0.897	0.899
	ST ERRORS OF ESTIMATE	1.291	1.232	0.906	0.883	0.872	0.863	0.855	0.848

EQUATIONS FOR ESTIMATING WAIST DEPTH — NO. 75

	CONSTANT	7.546	18.285	5.745	0.092	3.640	3.973	2.728	3.405
2	WEIGHT	0.164	0.197	0.047	-0.014	0.018	0.022	0.010	0.015
7	STATURE		-0.078	-0.019	-0.004	-0.010	-0.009	-0.007	-0.012
76	ABDOMINAL EXT DPTH			0.557	0.423	0.434	0.420	0.410	0.408
41	WAIST CIRCUMFERNCE				0.142	0.148	0.181	0.186	0.178
43	HIP 0-7" BLW WAIST					-0.054	-0.055	-0.080	-0.071
67	WAIST BREADTH						-0.106	-0.109	-0.106
52	BUTTOCK CIRC, SIT							0.039	0.057
69	THIGH-THIGH BR,SIT								-0.060
	MULTIPLE CORRELATIONS	0.736	0.773	0.868	0.898	0.901	0.902	0.904	0.905
	ST ERRORS OF ESTIMATE	1.131	1.061	0.832	0.738	0.727	0.721	0.717	0.713

TABLE XXIX

STEPWISE MULTIPLE REGRESSION EQUATIONS (STATURE AND WEIGHT FORCED)

EQUATIONS FOR ESTIMATING ABDOMINAL EXTENSION DEPTH — NO. 76

	CONSTANT	8.016	22.439	9.780	5.246	3.466	0.899	1.401	3.710
2	WEIGHT	0.227	0.268	0.132	0.081	0.057	0.032	0.044	0.068
7	STATURE		-0.105	-0.051	-0.036	-0.069	-0.050	-0.048	-0.053
75	WAIST DEPTH			0.691	0.595	0.591	0.577	0.563	0.537
42	ABDOMINAL EXT CIRC				0.078	0.083	0.080	0.078	0.082
30	BUTTOCK-KNEE LNGTH					0.142	0.109	0.104	0.108
77	BUTTOCK DEPTH						0.157	0.152	0.179
125	GRIP STRENGTH							-0.024	-0.026
44	HIP C-9" BLW WAIST								-0.037
	MULTIPLE CORRELATIONS	0.791	0.830	0.900	0.911	0.916	0.919	0.921	0.922
	ST ERRORS OF ESTIMATE	1.296	1.181	0.926	0.874	0.850	0.838	0.829	0.824

EQUATIONS FOR ESTIMATING BUTTOCK DEPTH — NO. 77

	CONSTANT	10.126	20.969	19.013	10.799	7.199	5.192	2.556	6.345
2	WEIGHT	0.191	0.225	0.196	0.118	0.087	0.061	0.032	0.047
7	STATURE		-0.079	-0.131	-0.109	-0.143	-0.125	-0.108	-0.106
30	BUTTOCK-KNEE LNGTH			0.210	0.190	0.244	0.227	0.215	0.207
43	HIP C-7" BLW WAIST				0.110	0.096	0.088	0.057	0.056
50	VERTICAL TRUNK CIR					0.059	0.056	0.055	0.049
76	ABDOMINAL EXT DPTH						0.133	0.161	0.154
45	UPPER THIGH CIRCUM							0.085	0.082
116	BIZYGOMATIC BRDTH								-0.247
	MULTIPLE CORRELATIONS	0.805	0.836	0.853	0.865	0.873	0.878	0.882	0.885
	ST ERRORS OF ESTIMATE	1.063	0.983	0.936	0.899	0.873	0.859	0.844	0.834

EQUATIONS FOR ESTIMATING THIGH CLEARANCE — NO. 78

	CONSTANT	5.566	3.539	4.522	-0.274	1.689	2.477	0.477	3.736
2	WEIGHT	0.119	0.112	0.120	0.071	0.087	0.083	0.073	0.109
7	STATURE		0.015	0.011	0.027	0.022	-0.017	-0.020	-0.030
1	AGE			-0.034	-0.030	-0.023	-0.020	-0.020	-0.019
45	UPPER THIGH CIRCUM				0.089	0.145	0.144	0.144	0.136
69	THIGH-THIGH BR,SIT					-0.140	-0.126	-0.124	-0.132
19	CROTCH HEIGHT						0.070	0.070	0.070
72	FEMORAL BREADTH, R							0.368	0.339
41	WAIST CIRCUMFERNCE								-0.041
	MULTIPLE CORRELATIONS	0.714	0.716	0.736	0.750	0.767	0.776	0.784	0.790
	ST ERRORS OF ESTIMATE	0.877	0.874	0.849	0.829	0.804	0.791	0.778	0.770

TABLE XXIX

STEPWISE MULTIPLE REGRESSION EQUATIONS (STATURE AND WEIGHT FORCED)

EQUATIONS FOR ESTIMATING SHOULDER LENGTH — NO. 79

	CONSTANT	12.525	5.365	-2.025	-2.715	-2.045	-4.062	-2.036	-2.556
2	WEIGHT	0.037	0.015	-0.014	-0.006	-0.006	-0.022	-0.008	-0.014
7	STATURE		0.052	0.025	0.147	0.040	0.038	0.068	0.041
63	BIACROMIAL BREADTH			0.375	0.352	0.342	0.345	0.362	0.352
10	ACROMIAL HEIGHT				-0.142	-0.206	-0.194	-0.204	-0.246
9	CERVICALE HEIGHT					0.183	0.176	0.150	0.134
80	NECK-BUST POINT L						0.100	0.326	0.368
81	STRAP LENGTH							-0.140	-0.122
12	BUSTPOINT HEIGHT								0.094
	MULTIPLE CORRELATIONS	0.273	0.377	0.630	0.665	0.690	0.706	0.737	0.746
	ST ERRORS OF ESTIMATE	0.983	0.946	0.794	0.764	0.740	0.724	0.691	0.682

EQUATIONS FOR ESTIMATING NECK-TO-BUSTPOINT LENGTH — NO. 80

	CONSTANT	17.181	19.695	-1.967	-2.762	0.153	0.627	1.674	-1.235
2	WEIGHT	0.144	0.151	-0.004	-0.005	0.007	0.017	0.013	-0.011
7	STATURE		-0.018	-0.007	-0.018	-0.012	0.066	-0.021	0.009
81	STRAP LENGTH			0.442	0.437	0.439	0.398	0.373	0.339
79	SHOULDER LENGTH				0.202	0.355	0.343	0.424	0.434
63	BIACROMIAL BREADTH					-0.194	-0.183	-0.179	-0.160
12	BUSTPOINT HEIGHT						-0.095	-0.183	-0.212
10	ACROMIAL HEIGHT							0.182	0.187
74	CHEST DEPTH								0.152
	MULTIPLE CORRELATIONS	0.573	0.574	0.901	0.906	0.914	0.917	0.925	0.929
	ST ERRORS OF ESTIMATE	1.550	1.548	0.821	0.799	0.767	0.754	0.719	0.699

EQUATIONS FOR ESTIMATING STRAP LENGTH — NO. 81

	CONSTANT	45.534	48.685	16.757	17.283	10.758	4.199	4.365	3.317
2	WEIGHT	0.341	0.351	0.105	0.129	0.097	0.043	0.030	0.024
7	STATURE		-0.023	0.006	0.236	0.232	0.285	0.133	0.127
80	NECK-BUST POINT L			1.625	1.401	1.404	1.292	1.199	1.214
12	BUSTPOINT HEIGHT				-0.283	-0.279	-0.318	-0.463	-0.454
36	NECK CIRCUMFERENCE					0.251	0.228	0.255	0.283
39	BUST CIRCUMFERENCE						0.104	0.113	0.113
11	SUPRASTERNALE HGHT							0.326	0.337
20	ANKLE HEIGHT								-0.132
	MULTIPLE CORRELATIONS	0.655	0.655	0.916	0.923	0.927	0.930	0.934	0.935
	ST ERRORS OF ESTIMATE	2.967	2.966	1.574	1.515	1.476	1.444	1.408	1.399

TABLE XXIX

STEPWISE MULTIPLE REGRESSION EQUATIONS (STATURE AND WEIGHT FORCED)

EQUATIONS FOR ESTIMATING INTERSCYE CURVATURE NO. 82

	CONSTANT	25.069	32.657	3.891	1.549	1.107	-0.742	2.388	1.400
2	WEIGHT	0.173	0.196	-0.013	-0.010	-0.019	-0.034	-0.001	-0.007
7	STATURE		-0.055	-0.010	-0.025	-0.035	-0.030	-0.049	-0.047
37	SHOULDER CIRCUMFER			0.334	0.263	0.234	0.200	0.227	0.179
88	SPINE-TO-SCYE LGTH				0.571	0.465	0.442	0.433	0.429
83	INTERSCYE, MAXIMUM					0.157	0.153	0.154	0.146
84	BACK CURVATURE						0.142	0.136	0.136
54	AXILLARY ARM CIRC							-0.156	-0.181
64	BIDELTOID BREADTH								0.167
	MULTIPLE CORRELATIONS	0.534	0.546	0.663	0.718	0.736	0.747	0.751	0.754
	ST ERRORS OF ESTIMATE	2.064	2.046	1.828	1.701	1.655	1.624	1.614	1.606

EQUATIONS FOR ESTIMATING INTERSCYE CURVATURE, MAXIMUM NO. 83

	CONSTANT	35.476	29.383	12.224	9.234	9.891	3.292	5.395	3.988
2	WEIGHT	0.241	0.223	0.120	0.109	0.113	0.056	0.059	0.062
7	STATURE		0.044	0.073	0.061	0.038	0.055	0.064	0.136
82	INTERSCYE			0.525	0.394	0.377	0.329	0.338	0.337
88	SPINE-TO-SCYE LGTH				0.499	0.498	0.464	0.454	0.431
20	ANKLE HEIGHT					0.309	0.293	0.305	0.304
38	CHEST CIRC AT SCYE						0.115	0.112	0.111
100	ECTOCANTHUS-TOP HD							-0.317	-0.310
15	TROCHANTERIC HGHT								-0.120
	MULTIPLE CORRELATIONS	0.553	0.557	0.646	0.667	0.678	0.684	0.689	0.694
	ST ERRORS OF ESTIMATE	2.740	2.731	2.512	2.452	2.420	2.402	2.386	2.371

EQUATIONS FOR ESTIMATING BACK CURVATURE NO. 84

	CONSTANT	27.943	36.492	18.110	11.164	9.500	10.891	10.430	9.694
2	WEIGHT	0.246	0.272	0.112	0.079	0.062	0.065	0.062	0.056
7	STATURE		-0.062	-0.020	-0.010	-0.008	0.009	0.025	-0.009
40	CHEST C BELOW BUST			0.280	0.232	0.187	0.180	0.185	0.182
82	INTERSCYE				0.308	0.262	0.284	0.297	0.275
65	CHEST BREADTH					0.260	0.269	0.255	0.241
79	SHOULDER LENGTH						-0.329	-0.326	-0.407
20	ANKLE HEIGHT							-0.218	-0.223
89	SPINE-TO-ELBOW LTH								0.173
	MULTIPLE CORRELATIONS	0.606	0.615	0.669	0.699	0.706	0.713	0.719	0.724
	ST ERRORS OF ESTIMATE	2.428	2.408	2.270	2.186	2.165	2.144	2.126	2.109

TAPLE XXIX

STEPWISE MULTIPLE REGRESSION EQUATIONS (STATURE AND WEIGHT FORCED)

EQUATIONS FOR ESTIMATING WAIST BACK NO. 85

	CONSTANT	35.431	5.195	0.905	2.787	-0.425	0.058	0.567	0.855
2	WEIGHT	0.088	-0.006	-0.002	-0.015	-0.025	-0.010	-0.014	-0.011
7	STATURE		0.220	0.503	0.001	-0.206	-0.355	-0.315	-0.272
13	WAIST HEIGHT			-0.417	-0.594	-0.465	-0.303	-0.285	-0.251
9	CERVICALE HEIGHT				0.704	0.725	0.707	0.648	0.679
23	SITTING HEIGHT					0.251	0.468	0.349	0.293
26	WAIST HGHT,SITTING						-0.407	-0.433	-0.434
25	MIDSHOULDER HT,SIT							0.180	0.169
16	BUTTOCK HEIGHT								-0.118
	MULTIPLE CORRELATIONS	0.298	0.586	0.679	0.760	0.781	0.815	0.821	0.825
	ST ERRORS OF ESTIMATE	2.116	1.797	1.628	1.443	1.385	1.285	1.268	1.254

EQUATIONS FOR ESTIMATING ANTERIOR WAIST LENGTH NO. 86

	CONSTANT	26.707	13.351	7.744	9.491	2.874	2.491	1.475	1.028
2	WEIGHT	0.119	0.078	0.083	0.060	0.004	-0.006	-0.019	-0.019
7	STATURE		0.097	0.462	0.014	0.027	0.037	0.023	0.020
13	WAIST HEIGHT			-0.537	-0.745	-0.742	-0.744	-0.727	-0.722
11	SUPRASTERNALE HGHT				0.705	0.707	0.705	0.697	0.693
39	BUST CIRCUMFERENCE					0.080	0.073	0.069	0.075
5	SUPRAILIAC SKINFLD						0.219	0.239	0.197
50	VERTICAL TRUNK CIR							0.024	0.030
1	AGE								-0.018
	MULTIPLE CORRELATIONS	0.459	0.523	0.725	0.823	0.834	0.836	0.837	0.839
	ST ERRORS OF ESTIMATE	1.739	1.668	1.348	1.111	1.081	1.075	1.071	1.067

EQUATIONS FOR ESTIMATING SLEEVE INSEAM NO. 87

	CONSTANT	38.758	-3.978	-12.596	-9.375	-6.241	-3.660	-4.388	-0.775
2	WEIGHT	0.093	-0.040	-0.091	-0.079	-0.064	-0.060	-0.062	-0.028
7	STATURE		0.311	0.129	0.086	0.071	0.018	0.012	0.007
90	SPINE-TO-WRIST LTH			0.516	0.359	0.458	0.420	0.388	0.395
32	RADIALE-STYLION L				0.665	0.551	0.484	0.450	0.452
88	SPINE-TO-SCYE LGTH					-0.333	-0.303	-0.297	-0.291
19	CROTCH HEIGHT						0.131	0.117	0.113
33	THUMB-TIP REACH							0.082	0.084
53	SCYE CIRCUMFERENCE								-0.144
	MULTIPLE CORRELATIONS	0.288	0.715	0.841	0.876	0.889	0.895	0.900	0.904
	ST ERRORS OF ESTIMATE	2.313	1.689	1.308	1.165	1.106	1.078	1.056	1.036

TABLE XXIX

STEPWISE MULTIPLE REGRESSION EQUATIONS (STATURE AND WEIGHT FORCED)

EQUATIONS FOR ESTIMATING SPINE-TO-SCYE LENGTH (SLEEVE LENGTH SEGMENT) NO. 88

	CONSTANT	15.863	14.531	10.024	3.728	2.391	2.192	1.529	0.692
2	WEIGHT	0.078	0.073	0.042	0.006	-0.007	-0.003	-0.011	-0.015
7	STATURE		0.010	-0.062	-0.037	0.003	0.018	0.014	0.008
89	SPINE-TO-ELBOW LTH			0.337	0.278	0.362	0.406	0.390	0.246
82	INTERSCYE				0.213	0.199	0.188	0.156	0.155
87	SLEEVE INSEAM					-0.190	-0.142	-0.144	-0.208
31	ACROMION-RADIALE L						-0.211	-0.194	-0.200
83	INTERSCYE, MAXIMUM							0.067	0.066
90	SPINE-TO-WRIST LTH								0.161
	MULTIPLE CORRELATIONS	0.430	0.431	0.598	0.674	0.707	0.722	0.733	0.739
	ST ERRORS OF ESTIMATE	1.226	1.225	1.089	1.003	0.960	0.940	0.925	0.916

EQUATIONS FOR ESTIMATING SPINE-TO-ELBOW LENGTH (SLEEVE LENGTH SEGMENT) NO. 89

	CONSTANT	42.810	13.802	2.110	-0.342	-1.438	-2.030	-1.986	-2.365
2	WEIGHT	0.182	0.092	0.023	0.014	0.008	0.010	0.011	0.010
7	STATURE		0.211	-0.034	-0.001	0.004	0.064	0.071	0.080
90	SPINE-TO-WRIST LTH			0.696	0.816	0.778	0.781	0.735	0.737
32	RADIALE-STYLION L				-0.510	-0.466	-0.448	-0.440	-0.417
88	SPINE-TO-SCYE LGTH					0.129	0.128	0.163	0.161
10	ACROMIAL HEIGHT						-0.075	-0.098	-0.082
31	ACROMION-RADIALE L							0.147	0.168
16	BUTTOCK HEIGHT								-0.054
	MULTIPLE CORRELATIONS	0.569	0.722	0.938	0.957	0.959	0.960	0.961	0.962
	ST ERRORS OF ESTIMATE	1.979	1.666	0.836	0.701	0.686	0.677	0.664	0.656

EQUATIONS FOR ESTIMATING SPINE-TO-WRIST LENGTH (SLEEVE LENGTH) NO. 90

	CONSTANT	65.150	16.750	1.785	3.517	4.991	6.219	4.530	3.921
2	WEIGHT	0.250	0.100	0.001	0.004	0.020	0.019	0.013	0.011
7	STATURE		0.352	0.126	0.039	0.017	-0.009	-0.011	-0.010
89	SPINE-TO-ELBOW LTH			1.075	1.002	0.934	0.935	0.929	0.893
32	RADIALE-STYLION L				0.688	0.493	0.471	0.455	0.450
87	SLEEVE INSEAM					0.212	0.180	0.189	0.209
19	CROTCH HEIGHT						0.066	0.066	0.067
93	HAND CIRCUMFERENCE							0.145	0.139
88	SPINE-TO-SCYE LGTH								0.086
	MULTIPLE CORRELATIONS	0.566	0.782	0.950	0.972	0.975	0.976	0.977	0.977
	ST ERRORS OF ESTIMATE	2.737	2.070	1.040	0.776	0.732	0.722	0.713	0.708

TABLE XXIX

STEPWISE MULTIPLE REGRESSION EQUATIONS (STATURE AND WEIGHT FORCED)

EQUATIONS FOR ESTIMATING HAND LENGTH — NO. 91

	CONSTANT	15.554	3.321	1.227	-1.178	-1.346	-1.323	-1.740	-1.743
2	WEIGHT	0.049	0.011	-0.003	-0.013	-0.014	-0.015	-0.015	-0.015
7	STATURE		0.089	0.034	0.036	0.043	0.025	0.026	0.021
94	FOOT LENGTH			0.491	0.434	0.451	0.430	0.416	0.423
93	HAND CIRCUMFERENCE				0.220	0.225	0.225	0.210	0.202
20	ANKLE HEIGHT					-0.126	-0.119	-0.115	-0.120
31	ACROMION-RADIALE L						0.109	0.105	0.103
119	LIP LENGTH							0.215	0.218
21	LAT'L MALLEOLUS HT								0.133
	MULTIPLE CORRELATIONS	0.383	0.606	0.729	0.749	0.768	0.779	0.784	0.787
	ST ERRORS OF ESTIMATE	0.886	0.763	0.657	0.636	0.615	0.603	0.596	0.593

EQUATIONS FOR ESTIMATING HAND BREADTH — NO. 92

	CONSTANT	6.284	4.361	0.814	0.494	1.085	0.308	0.279	0.538
2	WEIGHT	0.022	0.016	0.001	0.001	0.002	0.000	-0.000	-0.000
7	STATURE		0.014	0.008	0.008	0.008	0.009	0.004	0.004
93	HAND CIRCUMFERENCE			0.294	0.284	0.286	0.285	0.274	0.278
119	LIP LENGTH				0.115	0.103	0.085	0.075	0.090
114	BIAURICULAR BRDTH					-0.040	-0.051	-0.053	-0.043
97	HEAD BREADTH						0.069	0.068	0.071
94	FOOT LENGTH							0.047	0.051
113	BIOCULAR BREADTH								-0.072
	MULTIPLE CORRELATIONS	0.417	0.457	0.745	0.756	0.762	0.768	0.773	0.778
	ST ERRORS OF ESTIMATE	0.354	0.347	0.260	0.255	0.253	0.250	0.247	0.245

EQUATIONS FOR ESTIMATING HAND CIRCUMFERENCE — NO. 93

	CONSTANT	14.854	11.969	5.473	2.304	0.653	0.176	-0.680	-1.654
2	WEIGHT	0.060	0.051	0.027	0.005	-0.010	-0.012	-0.020	-0.020
7	STATURE		0.021	0.000	-0.005	0.001	-0.000	0.001	-0.000
92	HAND BREADTH			1.494	1.157	1.143	1.089	1.079	1.090
62	WRIST CIRCUMFERNCE				0.521	0.441	0.415	0.404	0.386
61	FOREARM C, FLEXED					0.114	0.114	0.101	0.097
95	FOOT BREADTH						0.175	0.185	0.177
53	SCYE CIRCUMFERENCE							0.044	0.048
113	BIOCULAR BREADTH								0.139
	MULTIPLE CORRELATIONS	0.495	0.509	0.765	0.814	0.821	0.825	0.828	0.831
	ST ERRORS OF ESTIMATE	0.788	0.781	0.585	0.527	0.518	0.513	0.510	0.506

TABLE XXIX

STEPWISE MULTIPLE REGRESSION EQUATIONS (STATURE AND WEIGHT FORCED)

EQUATIONS FOR ESTIMATING FOOT LENGTH — NO. 94

	CONSTANT	19.681	4.505	2.727	0.556	0.850	-0.264	-0.165	1.913
2	WEIGHT	0.076	0.030	0.024	0.016	0.015	0.007	0.007	0.028
7	STATURE		0.110	0.063	0.060	0.043	0.042	0.038	0.030
91	HAND LENGTH			0.530	0.473	0.458	0.459	0.483	0.483
95	FOOT BREADTH				0.470	0.445	0.390	0.370	0.360
32	RADIALE-STYLION L					0.129	0.135	0.112	0.107
49	ANKLE CIRCUMFERNCE						0.098	0.100	0.099
20	ANKLE HEIGHT							0.070	0.070
56	BICEPS C,FLEXED, R								-0.066
	MULTIPLE CORRELATIONS	0.510	0.712	0.797	0.818	0.826	0.830	0.834	0.837
	ST ERRORS OF ESTIMATE	0.970	0.793	0.682	0.650	0.637	0.629	0.624	0.619

EQUATIONS FOR ESTIMATING FOOT BREADTH — NO. 95

	CONSTANT	7.367	5.015	4.156	2.365	1.147	1.921	2.431	2.031
2	WEIGHT	0.026	0.019	0.013	0.006	-0.004	0.001	0.007	0.006
7	STATURE		0.017	-0.006	-0.004	-0.001	-0.002	-0.004	-0.002
94	FOOT LENGTH			0.205	0.164	0.159	0.159	0.149	0.139
93	HAND CIRCUMFERENCE				0.156	0.152	0.153	0.145	0.140
47	CALF CIRCUM, RIGHT					0.044	0.038	0.039	0.041
80	NECK-BUST POINT L						-0.028	-0.028	-0.027
3	TRICEPS SKINFOLD							-0.104	-0.095
118	NASAL BREADTH								0.117
	MULTIPLE CORRELATIONS	0.393	0.429	0.539	0.588	0.602	0.608	0.613	0.618
	ST ERRORS OF ESTIMATE	0.459	0.450	0.420	0.403	0.398	0.396	0.394	0.392

EQUATIONS FOR ESTIMATING HEAD LENGTH — NO. 96

	CONSTANT	16.851	13.376	1.166	0.197	1.731	1.448	1.109	1.425
2	WEIGHT	0.027	0.017	-0.002	-0.005	-0.003	-0.005	-0.005	-0.005
7	STATURE		0.025	0.013	0.010	0.009	0.021	0.019	0.019
98	HEAD CIRCUMFERENCE			0.278	0.223	0.257	0.260	0.256	0.274
107	PRONASALE TO WALL				0.222	0.196	0.204	0.194	0.188
97	HEAD BREADTH					-0.197	-0.205	-0.214	-0.192
87	SLEEVE INSEAM						-0.040	-0.038	-0.038
121	MENTON-SELLION LTH							0.107	0.113
112	BITRAGION-CORONAL								-0.046
	MULTIPLE CORRELATIONS	0.304	0.356	0.699	0.748	0.763	0.770	0.775	0.779
	ST EPRORS OF ESTIMATE	0.647	0.635	0.486	0.451	0.439	0.434	0.430	0.427

TABLE XXIX

STEPWISE MULTIPLE REGRESSION EQUATIONS (STATURE AND WEIGHT FORCED)

EQUATIONS FOR ESTIMATING HEAD BREADTH NO. 97

	CONSTANT	13.188	13.616	6.175	3.917	2.636	3.319	3.326	3.094
2	WEIGHT	0.023	0.024	0.007	0.004	0.002	0.005	0.004	0.004
7	STATURE		-0.003	-0.004	-0.007	-0.008	-0.008	-0.006	-0.005
115	BITRAGION BREADTH			0.666	0.595	0.562	0.543	0.536	0.542
112	BITRAGION-CORONAL				0.113	0.089	0.081	0.092	0.054
98	HEAD CIRCUMFERENCE					0.051	0.081	0.092	0.105
108	SUBNASALE TO WALL						-0.101	-0.102	-0.137
103	STOMION-TOP HEAD							-0.064	-0.135
99	TRAGION-TOP HEAD								0.199
	MULTIPLE CORRELATIONS	0.290	0.296	0.591	0.641	0.650	0.666	0.674	0.696
	ST ERRORS OF ESTIMATE	0.569	0.569	0.480	0.457	0.453	0.445	0.440	0.428

EQUATIONS FOR ESTIMATING HEAD CIRCUMFERENCE NO. 98

	CONSTANT	49.843	43.807	23.817	14.870	8.773	7.834	6.263	4.726
2	WEIGHT	0.087	0.068	0.043	0.027	0.017	0.018	0.013	0.008
7	STATURE		0.044	0.007	-0.000	0.004	-0.003	-0.002	-0.003
96	HEAD LENGTH			1.490	1.336	1.354	1.170	1.035	1.038
112	BITRAGION-CORONAL				0.408	0.308	0.239	0.235	0.234
97	HEAD BREADTH					0.625	0.582	0.611	0.466
111	SAGITTAL CURVATURE						0.241	0.240	0.238
108	SUBNASALE TO WALL							0.200	0.191
115	BITRAGION BREADTH								0.335
	MULTIPLE CORRELATIONS	0.403	0.426	0.721	0.793	0.818	0.839	0.845	0.849
	ST ERRORS OF ESTIMATE	1.486	1.470	1.125	0.991	0.934	0.885	0.870	0.861

EQUATIONS FOR ESTIMATING TRAGION TO TOP OF HEAD NO. 99

	CONSTANT	11.397	8.408	4.377	1.231	-0.796	-0.419	-1.445	-0.517
2	WEIGHT	0.023	0.013	0.008	0.003	-0.003	-0.003	-0.005	-0.004
7	STATURE		0.022	0.003	0.002	0.003	0.004	0.005	0.006
100	ECTOCANTHUS-TOP HD			0.629	0.557	0.567	0.693	0.695	0.692
112	BITRAGION-CORONAL				0.131	0.125	0.126	0.109	0.126
110	MENTON TO WALL					0.126	0.108	0.110	0.128
101	PRONASALE-TOP HEAD						-0.117	-0.116	-0.100
97	HEAD BREADTH							0.102	0.132
98	HEAD CIRCUMFERENCE								-0.049
	MULTIPLE CORRELATIONS	0.222	0.267	0.782	0.810	0.829	0.833	0.836	0.840
	ST ERRORS OF ESTIMATE	0.745	0.737	0.477	0.449	0.428	0.423	0.420	0.416

TABLE XXIX

STEPWISE MULTIPLE REGRESSION EQUATIONS (STATURE AND WEIGHT FORCED)

EQUATIONS FOR ESTIMATING ECTOCANTHUS TO TOP OF HEAD NO. 100

	CONSTANT	10.610	6.335	0.611	-1.692	-1.031	-0.852	-0.967	-0.861
2	WEIGHT	0.020	0.007	0.003	-0.002	-0.000	0.000	0.000	0.001
7	STATURE		0.031	-0.005	-0.005	-0.003	-0.002	-0.003	0.003
102	SUBNASALE-TOP HEAD			0.741	0.552	0.566	0.337	0.240	0.240
99	TRAGION-TOP HEAD				0.440	0.430	0.431	0.420	0.419
122	SUBNASALE-SELLION					-0.263	-0.270	-0.261	-0.254
101	PRONASALE-TOP HEAD						0.225	0.215	0.214
103	STOMION-TOP HEAD							0.115	0.114
24	EYE HEIGHT,SITTING								-0.015
	MULTIPLE CORRELATIONS	0.168	0.241	0.881	0.924	0.931	0.936	0.937	0.937
	ST ERRORS OF ESTIMATE	0.906	0.892	0.435	0.352	0.336	0.325	0.322	0.321

EQUATIONS FOR ESTIMATING PRONASALE TO TOP OF HEAD NO. 101

	CONSTANT	13.433	7.397	-0.455	-0.600	0.583	-0.196	0.793	0.645
2	WEIGHT	0.023	0.004	-0.003	-0.003	-0.000	-0.001	0.004	0.003
7	STATURE		0.044	-0.005	-0.004	-0.003	-0.005	-0.005	-0.004
102	SUBNASALE-TOP HEAD			1.018	0.892	0.869	0.845	0.856	0.854
100	ECTOCANTHUS-TOP HD				0.169	0.199	0.209	0.201	0.201
109	LIP PROTRUS'N-WALL					-0.078	-0.110	-0.103	-0.102
96	HEAD LENGTH						0.111	0.105	0.101
36	NECK CIRCUMFERENCE							-0.041	-0.042
1	AGE								0.007
	MULTIPLE CORRELATIONS	0.145	0.241	0.944	0.946	0.949	0.950	0.951	0.952
	ST ERRORS OF ESTIMATE	1.159	1.137	0.386	0.379	0.371	0.366	0.362	0.360

EQUATIONS FOR ESTIMATING SUBNASALE TO TOP OF HEAD NO. 102

	CONSTANT	14.354	7.785	1.291	-0.143	-0.558	-0.312	-0.392	-0.879
2	WEIGHT	0.027	0.006	0.003	0.002	0.000	0.001	0.001	-0.002
7	STATURE		0.048	0.010	0.003	0.002	0.001	0.002	0.002
101	PRONASALE-TOP HEAD			0.869	0.460	0.453	0.406	0.379	0.387
103	STOMION-TOP HEAD				0.486	0.393	0.393	0.367	0.368
104	MENTON-TOP HEAD					0.112	0.183	0.168	0.156
120	MENTON-SUBNASALE L						-0.181	-0.172	-0.164
100	ECTOCANTHUS-TOP HD							0.090	0.090
36	NECK CIRCUMFERENCE								0.022
	MULTIPLE CORRELATIONS	0.183	0.289	0.946	0.969	0.970	0.973	0.973	0.974
	ST ERRORS OF ESTIMATE	1.079	1.051	0.357	0.271	0.266	0.254	0.252	0.250

TABLE XXIX

STEPWISE MULTIPLE REGRESSION EQUATIONS (STATURE AND WEIGHT FORCED)

EQUATIONS FOR ESTIMATING STOMION TO TOP OF HEAD — NO. 103

	CONSTANT	16.210	9.213	1.772	0.300	0.295	0.201	-0.543	0.425
2	WEIGHT	0.028	0.006	0.000	-0.004	-0.004	-0.004	-0.005	-0.003
7	STATURE		0.051	0.005	0.000	0.001	0.001	0.001	0.000
102	SUBNASALE-TOP HEAD			0.958	0.585	0.609	0.652	0.645	0.635
104	MENTON-TOP HEAD				0.313	0.295	0.236	0.243	0.254
100	ECTOCANTHUS-TOP HD					0.123	0.128	0.126	0.130
120	MENTON-SUBNASALE L						0.116	0.102	0.089
113	BIOCULAR BREADTH							0.089	0.105
97	HEAD BREADTH								-0.078
	MULTIPLE CORRELATIONS	0.186	0.296	0.946	0.957	0.958	0.959	0.960	0.961
	ST ERRORS OF ESTIMATE	1.102	1.071	0.365	0.326	0.321	0.318	0.315	0.312

EQUATIONS FOR ESTIMATING MENTON TO TOP OF HEAD — NO. 104

	CONSTANT	19.540	11.686	3.545	1.163	1.072	2.020	2.191	2.495
2	WEIGHT	0.041	0.017	0.012	0.007	0.005	0.007	0.007	0.006
7	STATURE		0.057	0.012	0.007	0.007	0.008	0.007	0.007
103	STOMION-TOP HEAD			0.882	0.849	0.637	0.647	0.469	0.401
121	MENTON-SELLION LTH				0.383	0.437	0.436	0.444	0.331
100	ECTOCANTHUS-TOP HD					0.290	0.290	0.219	0.193
114	BIAURICULAR BRDTH						-0.088	-0.090	-0.095
102	SUBNASALE-TOP HEAD							0.248	0.329
120	MENTON-SUBNASALE L								0.228
	MULTIPLE CORRELATIONS	0.272	0.372	0.908	0.929	0.935	0.938	0.941	0.944
	ST ERRORS OF ESTIMATE	1.097	1.058	0.477	0.423	0.403	0.395	0.387	0.377

EQUATIONS FOR ESTIMATING TRAGION TO WALL — NO. 105

	CONSTANT	8.787	6.864	-2.698	-0.265	0.600	-0.063	-0.430	-0.218
2	WEIGHT	0.024	0.018	-0.005	-0.002	-0.000	-0.002	-0.002	-0.002
7	STATURE		0.014	-0.001	0.000	0.000	0.002	0.002	0.003
106	ECTOCANTHUS-WALL			0.814	0.856	0.851	0.798	0.803	0.815
98	HEAD CIRCUMFERENCE				-0.063	-0.050	-0.047	-0.050	-0.026
115	BITRAGION BREADTH					-0.125	-0.130	-0.166	-0.183
110	MENTON TO WALL						0.067	0.065	0.069
114	BIAURICULAR BRDTH							0.060	0.057
96	HEAD LENGTH								-0.092
	MULTIPLE CORRELATIONS	0.204	0.220	0.862	0.867	0.869	0.871	0.873	0.874
	ST ERRORS OF ESTIMATE	0.881	0.878	0.457	0.449	0.446	0.443	0.440	0.438

TABLE XXIX

STEPWISE MULTIPLE REGRESSION EQUATIONS (STATURE AND WEIGHT FORCED)

EQUATIONS FOR ESTIMATING ECTOCANTHUS TO WALL — NO. 106

	CONSTANT	14.230	11.611	5.366	0.854	0.066	-0.230	-1.098	-1.956
2	WEIGHT	0.037	0.029	0.013	0.004	0.003	0.002	0.002	-0.000
7	STATURE		0.019	0.007	0.002	-0.004	-0.003	-0.004	-0.004
105	TRAGION TO WALL			0.896	0.585	0.569	0.537	0.540	0.547
107	PRONASALE TO WALL				0.425	0.411	0.204	0.187	0.185
104	MENTON-TOP HEAD					0.104	0.116	0.096	0.093
108	SUBNASALE TO WALL						0.236	0.239	0.236
111	SAGITTAL CURVATURE							0.050	0.047
115	BITRAGION BREADTH								0.091
	MULTIPLE CORRELATIONS	0.291	0.308	0.869	0.911	0.918	0.922	0.924	0.925
	ST ERRORS OF ESTIMATE	0.927	0.922	0.479	0.399	0.384	0.376	0.371	0.368

EQUATIONS FOR ESTIMATING PRONASALE TO WALL — NO. 107

	CONSTANT	18.649	15.764	2.103	2.160	1.712	0.734	0.669	0.155
2	WEIGHT	0.044	0.035	0.004	0.004	0.003	0.002	0.003	-0.002
7	STATURE		0.021	0.008	0.007	0.005	0.003	0.004	0.001
108	SUBNASALE TO WALL			0.893	0.756	0.749	0.731	0.732	0.736
106	ECTOCANTHUS-WALL				0.171	0.174	0.151	0.153	0.148
122	SUBNASALE-SELLION					0.202	0.184	0.188	0.183
96	HEAD LENGTH						0.118	0.125	0.129
120	MENTON-SUBNASALE L							-0.064	-0.063
50	VERTICAL TRUNK CIR								0.008
	MULTIPLE CORRELATIONS	0.344	0.363	0.938	0.942	0.946	0.949	0.949	0.950
	ST ERRORS OF ESTIMATE	0.902	0.896	0.334	0.322	0.311	0.305	0.303	0.302

EQUATIONS FOR ESTIMATING SUBNASALE TO WALL — NO. 108

	CONSTANT	17.295	15.268	1.049	-0.218	-0.009	-0.130	-0.147	0.369
2	WEIGHT	0.041	0.034	0.003	0.000	0.000	-0.001	0.000	0.001
7	STATURE		0.015	0.011	0.003	0.002	0.003	0.003	0.003
109	LIP PROTRUSION-WALL			0.863	0.524	0.508	0.466	0.452	0.449
107	PRONASALE TO WALL				0.438	0.404	0.397	0.404	0.404
106	ECTOCANTHUS-WALL					0.060	0.065	0.069	0.071
110	MENTON TO WALL						0.049	0.055	0.056
1	AGE							-0.004	-0.004
97	HEAD BREADTH								-0.039
	MULTIPLE CORRELATIONS	0.311	0.320	0.952	0.970	0.971	0.971	0.972	0.972
	ST ERRORS OF ESTIMATE	0.933	0.930	0.302	0.237	0.235	0.234	0.232	0.231

TABLE XXIX

STEPWISE MULTIPLE REGRESSION EQUATIONS (STATURE AND WEIGHT FORCED)

EQUATIONS FOR ESTIMATING LIP PROTRUSION TO WALL NO. 109

	CONSTANT	17.107	16.412	0.532	-0.058	-0.403	-0.655	-0.261	-0.401
2	WEIGHT	..038	0.036	0.000	-0.004	-0.004	-0.006	-0.005	-0.008
7	STATURE		0.005	-0.010	-0.004	-0.004	-0.004	-0.003	-0.009
108	SUBNASALE TO WALL			1.037	0.829	0.807	0.780	0.776	0.773
110	MENTON TO WALL				0.216	0.218	0.238	0.243	0.242
118	NASAL BREADTH					0.232	0.224	0.214	0.201
120	MENTON-SUBNASALE L						0.101	0.108	0.107
114	BIAURICULAR BRDTH							-0.040	-0.038
30	BUTTOCK-KNEE LNGTH								0.024
	MULTIPLE CORRELATIONS	0.270	0.271	0.950	0.958	0.961	0.962	0.962	0.963
	ST ERRORS OF ESTIMATE	1.020	1.020	0.331	0.304	0.295	0.291	0.289	0.287

EQUATIONS FOR ESTIMATING MENTON TO WALL NO. 110

	CONSTANT	15.578	17.501	2.691	4.338	4.683	4.400	4.394	4.400
2	WEIGHT	0.046	0.052	0.019	0.022	0.023	0.022	0.021	0.021
7	STATURE		-0.014	-0.019	-0.008	-0.009	-0.011	-0.012	-0.010
109	LIP PROTRUSION-WALL			0.908	0.929	0.942	0.691	0.653	0.627
104	MENTON-TOP HEAD				-0.183	-0.149	-0.161	0.003	-0.044
120	MENTON-SUBNASALE L					-0.223	-0.214	-0.254	-0.208
108	SUBNASALE TO WALL						0.291	0.327	0.352
103	STOMION-TOP HEAD							-0.175	-0.296
100	ECTOCANTHUS-TOP HD								0.222
	MULTIPLE CORRELATIONS	0.303	0.310	0.872	0.888	0.893	0.896	0.899	0.903
	ST ERRORS OF ESTIMATE	1.083	1.081	0.557	0.523	0.513	0.506	0.499	0.490

EQUATIONS FOR ESTIMATING SAGITTAL CURVATURE NO. 111

	CONSTANT	32.072	24.809	1.482	4.469	5.124	2.103	2.292	1.597
2	WEIGHT	0.047	0.024	-0.012	-0.007	-0.006	-0.022	-0.023	-0.024
7	STATURE		0.053	0.030	0.032	0.026	0.026	0.054	0.053
98	HEAD CIRCUMFERENCE			0.531	0.562	0.513	0.493	0.493	0.451
113	BIOCULAR BREADTH				-0.548	-0.574	-0.518	-0.479	-0.534
100	ECTOCANTHUS-TOP HD					0.272	0.273	0.262	0.218
36	NECK CIRCUMFERENCE						0.133	0.132	0.129
28	POPLITEAL HEIGHT							-0.119	-0.115
112	BITRAGION-CORONAL								0.124
	MULTIPLE CORRELATIONS	0.237	0.298	0.603	0.627	0.646	0.657	0.665	0.671
	ST ERRORS OF ESTIMATE	1.447	1.422	1.189	1.161	1.138	1.124	1.114	1.106

TABLE XXIX

STEPWISE MULTIPLE REGRESSION EQUATIONS (STATURE AND WEIGHT FORCED)

EQUATIONS FOR ESTIMATING BITRAGION-CORONAL CURVATURE NO. 112

	CONSTANT	30.631	26.947	19.665	7.061	8.403	6.092	3.818	3.368
2	WEIGHT	0.057	0.045	0.034	0.014	0.019	0.016	0.011	0.011
7	STATURE		0.027	0.007	-0.003	-0.001	-0.003	0.000	-0.003
99	TRAGION-TOP HEAD			0.877	0.680	0.746	0.739	0.701	0.670
98	HEAD CIRCUMFERENCE				0.326	0.389	0.364	0.317	0.257
107	PRONASALE TO WALL					-0.295	-0.283	-0.238	-0.230
113	BIOCULAR BREADTH						0.415	0.384	0.444
97	HEAD BREADTH							0.309	0.317
111	SAGITTAL CURVATURE								0.108
	MULTIPLE CORRELATIONS	0.303	0.318	0.559	0.647	0.669	0.683	0.692	0.698
	ST ERRORS OF ESTIMATE	1.339	1.332	1.166	1.072	1.046	1.028	1.016	1.009

EQUATIONS FOR ESTIMATING BIOCULAR BREADTH NO. 113

	CONSTANT	8.807	7.683	4.057	2.653	1.974	1.937	3.057	2.577
2	WEIGHT	0.015	0.012	0.003	0.001	-0.002	-0.002	0.003	0.002
7	STATURE		0.008	0.007	0.006	0.008	-0.001	-0.000	-0.000
116	BIZYGOMATIC BRDTH			0.334	0.317	0.227	0.213	0.236	0.248
114	BIAURICULAR BRDTH				0.120	0.107	0.111	0.105	0.101
117	BIGONIAL BREADTH					0.186	0.173	0.164	0.161
91	HAND LENGTH						0.095	0.088	0.079
36	NECK CIRCUMFERENCE							-0.046	-0.047
120	MENTON-SUBNASALE L								0.122
	MULTIPLE CORRELATIONS	0.234	0.247	0.442	0.496	0.524	0.544	0.558	0.571
	ST ERRORS OF ESTIMATE	0.478	0.477	0.442	0.428	0.419	0.413	0.409	0.405

EQUATIONS FOR ESTIMATING BIAURICULAR BREADTH NO. 114

	CONSTANT	14.275	13.151	5.846	6.999	5.328	6.033	4.380	4.498
2	WEIGHT	0.027	0.024	0.008	0.011	0.010	0.009	0.007	0.007
7	STATURE		0.008	0.007	0.006	0.003	0.003	0.001	0.000
115	BITRAGION BREADTH			0.651	0.981	0.930	0.912	0.871	0.899
116	BIZYGOMATIC BRDTH				-0.420	-0.546	-0.478	-0.479	-0.496
113	BIOCULAR BREADTH					0.465	0.507	0.458	0.466
119	LIP LENGTH						-0.388	-0.391	-0.259
112	BITRAGION-CORONAL							0.092	0.101
118	NASAL BREADTH								-0.331
	MULTIPLE CORRELATIONS	0.216	0.220	0.384	0.423	0.475	0.503	0.518	0.527
	ST ERRORS OF ESTIMATE	0.928	0.927	0.878	0.861	0.837	0.822	0.814	0.809

TABLE XXIX

STEPWISE MULTIPLE REGRESSION EQUATIONS (STATURE AND WEIGHT FORCED)

EQUATIONS FOR ESTIMATING BITRAGION BREADTH — NO. 115

	CONSTANT	11.388	11.122	4.622	2.726	1.852	1.782	1.049	0.682
2	WEIGHT	0.026	0.025	0.010	0.007	0.005	0.003	-0.000	-0.002
7	STATURE		0.002	0.002	0.002	0.001	0.002	0.002	0.003
116	BIZYGOMATIC BRDTH			0.571	0.458	0.463	0.469	0.461	0.416
97	HEAD BREADTH				0.243	0.199	0.184	0.176	0.174
114	BIAURICULAR BRDTH					0.109	0.106	0.111	0.105
1	AGE						0.009	0.009	0.009
36	NECK CIRCUMFERENCE							0.031	0.033
117	BIGONIAL BREADTH								0.094
	MULTIPLE CORRELATIONS	0.392	0.393	0.731	0.772	0.797	0.805	0.809	0.813
	ST ERRORS OF ESTIMATE	0.460	0.460	0.342	0.318	0.303	0.297	0.295	0.292

EQUATIONS FOR ESTIMATING BIZYGOMATIC BREADTH — NO. 116

	CONSTANT	11.283	11.178	2.526	1.527	1.960	1.537	1.847	1.084
2	WEIGHT	0.028	0.027	0.007	0.003	0.004	0.004	0.005	0.004
7	STATURE		0.001	-0.001	0.001	0.002	0.000	0.000	0.001
115	BITRAGION BREADTH			0.786	0.650	0.708	0.683	0.687	0.617
117	BIGONIAL BREADTH				0.261	0.265	0.216	0.208	0.205
114	BIAURICULAR BRDTH					-0.091	-0.108	-0.105	-0.110
113	BIOCULAR BREADTH						0.190	0.205	0.208
124	EAR BREADTH							-0.178	-0.163
97	HEAD BREADTH								0.110
	MULTIPLE CORRELATIONS	0.359	0.358	0.721	0.751	0.764	0.777	0.783	0.788
	ST ERRORS OF ESTIMATE	0.540	0.540	0.401	0.382	0.374	0.365	0.360	0.356

EQUATIONS FOR ESTIMATING BIGONIAL BREADTH — NO. 117

	CONSTANT	8.685	9.542	3.908	3.058	2.047	1.457	1.105	0.933
2	WEIGHT	0.025	0.028	0.015	0.014	0.012	0.009	0.002	0.002
7	STATURE		-0.006	-0.006	-0.008	-0.008	-0.009	-0.006	-0.006
116	BIZYGOMATIC BRDTH			0.495	0.418	0.299	0.284	0.269	0.248
113	BIOCULAR BREADTH				0.230	0.216	0.205	0.204	0.192
115	BITRAGION BREADTH					0.217	0.223	0.242	0.249
73	FEMORAL BREADTH, L						0.141	0.148	0.143
5	SUPRAILIAC SKINFLD							0.087	0.092
119	LIP LENGTH								0.114
	MULTIPLE CORRELATIONS	0.347	0.350	0.590	0.617	0.631	0.637	0.643	0.648
	ST ERRORS OF ESTIMATE	0.528	0.527	0.455	0.443	0.437	0.434	0.432	0.429

TABLE XXIX

STEPWISE MULTIPLE REGRESSION EQUATIONS (STATURE AND WEIGHT FORCED)

EQUATIONS FOR ESTIMATING NASAL BREADTH — NO. 118

	CONSTANT	2.963	3.230	1.554	0.557	0.027	0.188	-0.253	-0.002
2	WEIGHT	0.004	0.005	0.003	0.001	0.000	0.001	-0.003	-0.003
7	STATURE		-0.002	-0.002	-0.003	-0.005	-0.011	-0.011	-0.002
119	LIP LENGTH			0.409	0.382	0.370	0.365	0.358	0.353
109	LIP PROTRUSION-WALL				0.067	0.062	0.056	0.054	0.051
104	MENTON-TOP HEAD					0.053	0.051	0.048	0.051
32	RADIALE-STYLION L						0.040	0.037	0.025
36	NECK CIRCUMFERENCE							0.026	0.029
22	SITTING HT,RELAXED								-0.018
	MULTIPLE CORRELATIONS	0.100	0.103	0.530	0.568	0.592	0.604	0.613	0.622
	ST ERRORS OF ESTIMATE	0.328	0.328	0.280	0.272	0.266	0.263	0.261	0.259

EQUATIONS FOR ESTIMATING LIP LENGTH — NO. 119

	CONSTANT	4.090	3.823	1.701	0.405	0.065	-0.191	0.330	0.388
2	WEIGHT	0.005	0.004	0.001	-0.003	-0.004	-0.005	-0.004	-0.005
7	STATURE		0.002	0.003	0.003	0.001	0.001	0.002	-0.085
118	NASAL BREADTH			0.668	0.637	0.609	0.604	0.592	0.589
116	BIZYGOMATIC BRDTH				0.126	0.114	0.073	0.075	0.076
92	HAND BREADTH					0.128	0.127	0.113	0.110
117	BIGONIAL BREADTH						0.085	0.100	0.098
114	BIAURICULAR BRDTH							-0.049	-0.050
8	STATURE, MAXIMUM								0.087
	MULTIPLE CORRELATIONS	0.083	0.085	0.528	0.551	0.560	0.568	0.578	0.583
	ST ERRORS OF ESTIMATE	0.420	0.420	0.358	0.352	0.349	0.347	0.344	0.343

EQUATIONS FOR ESTIMATING MENTON-SUBNASALE LENGTH — NO. 120

	CONSTANT	4.733	3.609	-0.044	-0.019	-0.369	-0.399	-0.532	0.494
2	WEIGHT	0.014	0.011	0.004	0.004	0.003	0.002	0.003	0.005
7	STATURE		0.008	-0.001	-0.000	-0.003	-0.003	-0.003	-0.003
121	MENTON-SELLION LTH			0.519	0.714	0.673	0.591	0.587	0.583
122	SUBNASALE-SELLION				-0.497	-0.484	-0.427	-0.403	-0.392
104	MENTON-TOP HEAD					0.058	0.196	0.143	0.152
102	SUBNASALE-TOP HEAD						-0.146	-0.264	-0.275
103	STOMION-TOP HEAD							0.171	0.174
116	BIZYGOMATIC BRDTH								-0.095
	MULTIPLE CORRELATIONS	0.211	0.226	0.635	0.712	0.720	0.732	0.740	0.747
	ST ERRORS OF ESTIMATE	0.499	0.497	0.395	0.359	0.354	0.348	0.344	0.340

TABLE XXIX

STEPWISE MULTIPLE REGRESSION EQUATIONS (STATURE AND WEIGHT FORCED)

EQUATIONS FOR ESTIMATING MENTON-SELLION LENGTH — NO. 121

	CONSTANT	9.358	6.902	4.375	2.307	2.024	1.668	1.601	2.365
2	WEIGHT	0.022	0.014	0.006	0.003	0.002	0.001	0.002	0.009
7	STATURE		0.018	0.012	0.006	0.003	0.003	0.003	0.000
120	MENTON-SUBNASALE L			0.715	0.668	0.632	0.524	0.519	0.520
122	SUBNASALE-SELLION				0.764	0.749	0.742	0.704	0.696
104	MENTON-TOP HEAD					0.050	0.256	0.279	0.279
102	SUBNASALE-TOP HEAD						-0.218	-0.147	-0.146
100	ECTOCANTHUS-TOP HD							-0.121	-0.122
77	BUTTOCK DEPTH								-0.031
	MULTIPLE CORRELATIONS	0.264	0.304	0.655	0.824	0.828	0.845	0.849	0.850
	ST ERRORS OF ESTIMATE	0.590	0.583	0.463	0.347	0.343	0.328	0.324	0.323

EQUATIONS FOR ESTIMATING SUBNASALE-SELLION LENGTH — NO. 122

	CONSTANT	4.027	2.799	0.046	0.160	0.055	-0.078	-0.245	-0.002
2	WEIGHT	0.009	0.005	-0.000	0.001	-0.001	-0.001	-0.001	-0.001
7	STATURE		0.009	0.002	0.001	0.002	-0.001	-0.001	-0.001
121	MENTON-SELLION LTH			0.393	0.574	0.554	0.551	0.549	0.525
120	MENTON-SUBNASALE L				-0.349	-0.334	-0.338	-0.339	-0.313
1	AGE					0.008	0.008	0.007	0.007
94	FOOT LENGTH						0.028	0.026	0.029
101	PRONASALE-TOP HEAD							0.018	0.091
100	ECTOCANTHUS-TOP HD								-0.109
	MULTIPLE CORRELATIONS	0.165	0.198	0.593	0.681	0.690	0.692	0.694	0.705
	ST ERRORS OF ESTIMATE	0.405	0.402	0.331	0.301	0.297	0.296	0.296	0.292

EQUATIONS FOR ESTIMATING EAR LENGTH — NO. 123

	CONSTANT	4.255	3.884	3.100	2.869	2.157	1.520	1.393	1.297
2	WEIGHT	0.017	0.015	0.014	0.011	0.009	0.009	0.009	0.008
7	STATURE		0.003	0.002	0.003	0.003	0.002	0.012	0.010
124	EAR BREADTH			0.337	0.308	0.296	0.301	0.305	0.303
1	AGE				0.014	0.013	0.013	0.012	0.012
114	BIAURICULAR BRDTH					0.056	0.055	0.054	0.055
111	SAGITTAL CURVATURE						0.023	0.021	0.022
14	ABDOMINAL EXT HGT							-0.015	-0.020
31	ACROMION-RADIALE L								0.029
	MULTIPLE CORRELATIONS	0.280	0.282	0.377	0.422	0.438	0.444	0.449	0.454
	ST ERRORS OF ESTIMATE	0.426	0.426	0.411	0.403	0.400	0.398	0.397	0.396

TABLE XXIX

STEPWISE MULTIPLE REGRESSION EQUATIONS (STATURE AND WEIGHT FORCED)

EQUATIONS FOR ESTIMATING EAR BREADTH — NO. 124

	CONSTANT	2.635	2.368	1.484	0.992	0.477	0.984	0.645	1.018
2	WEIGHT	0.006	0.005	0.002	0.001	0.000	0.002	0.001	0.001
7	STATURE		0.002	0.002	0.001	0.001	0.001	0.001	0.002
123	EAR LENGTH			0.202	0.199	0.192	0.186	0.179	0.184
108	SUBNASALE TO WALL				0.037	0.036	0.034	0.031	0.037
113	BIOCULAR BREADTH					0.065	0.092	0.087	0.079
116	BIZYGOMATIC BRDTH						-0.063	-0.116	-0.121
115	BITRAGION BREADTH							0.095	0.110
111	SAGITTAL CURVATURE								-0.021
	MULTIPLE CORRELATIONS	0.139	0.144	0.295	0.313	0.326	0.339	0.353	0.363
	ST ERRORS OF ESTIMATE	0.330	0.330	0.318	0.317	0.315	0.314	0.312	0.311

EQUATIONS FOR ESTIMATING GRIP STRENGTH — NO. 125

	CONSTANT	14.073	-4.729	-29.275	-7.918	-35.603	-49.722	-47.512	-33.525
2	WEIGHT	0.274	0.215	0.112	0.347	0.139	0.001	0.051	0.184
7	STATURE		0.137	0.093	0.009	0.055	0.104	0.078	0.058
93	HAND CIRCUMFERENCE			2.054	1.851	1.788	1.448	1.363	1.327
76	ABDOMINAL EXT DPTH				-0.842	-0.825	-0.743	-0.672	-0.731
37	SHOULDER CIRCUMFER					0.329	0.285	0.298	0.239
60	FOREARM C, RELAXED						0.983	0.982	1.107
5	SUPRAILIAC SKINFLD							-1.060	-1.116
45	KNEE CIRCUMFERENCE								-0.370
	MULTIPLE CORRELATIONS	0.361	0.381	0.473	0.504	0.528	0.542	0.551	0.556
	ST ERRORS OF ESTIMATE	5.320	5.276	5.027	4.932	4.850	4.800	4.768	4.749

SECTION XIII

PARTIAL CORRELATION COEFFICIENTS

The nature of the relationship between two variables may be markedly different when observed for a group of women which is homogeneous with respect to a third variable from that which exists in a fairly heterogeneous group. The partial correlation coefficient is designed to estimate the degree of relationship—as indicated by a correlation coefficient type statistic—which would be found were the relationship observed by studying a group which was completely homogeneous with respect to one, two, or a larger number of other variables.

Four sets of partial correlation coefficients are presented in tables XXX and XXXI. The first set provides estimates of the correlation coefficients which we would have found by studying women all of the same weight; in the unhappy jargon of statistical usage, these are the coefficients with weight 'partialed out'. The difference between the 'full' and 'partial' correlations is well illustrated by the contrast between the stature-bust circumference entries in tables XXIV and XXX. The value from the former is positive and of at least modest size, indicating that, in general, taller women tend to be bigger around. The partial coefficient, however, is -0.332, a moderately large negative value. The negative nature of the relationship is, of course, a reflection of the fact that for women of the same weight, the tall ones will almost always of necessity be smaller around the torso than the short ones. Note that with stature held constant, the weight-bust circumference correlation increases from 0.799 to 0.810.

The values above the diagonal line in table XXX are those obtained by partialling out weight, those below the diagonal are those obtained by partialling out stature. In table XXXI, the values above the diagonal were computed by partialling out both weight and stature and, hence, represent in a sense the degree of relationship that would be found in a group of women with identical weights and statures. The fourth set of values, those below the diagonal in this table, were obtained by partialling out the three variables: weight, stature, and age.

To shorten these tables, most of the head and face measurements and the 'left-side' measurements were omitted. The formulas used for the computation of these tables are given in appendix III.

TABLE XXX

PARTIAL CORRELATION COEFFICIENTS

WEIGHT PARTIALED OUT ABOVE DIAGONAL***STATURE PARTIALED OUT BELOW IT

		1	2	3	4	5	6	7	8	9	10
1	AGE			.019	.044	-150	-111	-086	-088	-094	-068
2	WEIGHT	.233									
3	TRICEPS SKINFOLD	.145	.660		.413	.394	.395	-358	-357	-343	-348
4	SUBSCAPULAR SKINFD	.161	.663	.612		.492	.165	-422	-423	-400	-394
5	SUPRAILIAC SKINFLD	.006	.629	.602	.662		.213	-308	-309	-279	-294
6	MEDIAL CALF SKINFD	-021	.417	.512	.332	.372		-223	-225	-215	-212
7	STATURE								.997	.968	.942
8	STATURE, MAXIMUM	-032	.031	.017	-008	.002	-017			.970	.944
9	CERVICALE HEIGHT	-016	.112	.085	.101	.132	.048		.253		.950
10	ACROMIAL HEIGHT	.076	.173	.089	.122	.100	.067		.186	.460	
11	SUPRASTERNALE HGHT	.005	.177	.126	.140	.137	.072		.234	.439	.522
12	BUSTPOINT HEIGHT	-179	-114	-086	-072	-090	-009		.091	.270	.433
13	WAIST HEIGHT	-013	.029	.015	.051	.050	-016		.163	.395	.373
14	ABDOMINAL EXTEN HT	-150	-125	-097	-097	-059	-058		.135	.364	.317
15	TROCHANTERIC H'GHT	-059	.014	-025	.017	-010	-008		.113	.300	.333
16	BUTTOCK HEIGHT	-142	.036	.042	.097	.116	.048		.094	.335	.309
17	GLUTEAL FURROW HGT	-159	-155	-078	-046	-019	-041		.026	.271	.229
18	TIBIALE HEIGHT	-066	-021	-018	.002	.022	-042		.094	.352	.248
19	CROTCH HEIGHT	-182	-048	-052	-009	.017	-014		.189	.414	.339
20	ANKLE HEIGHT	.030	-007	-033	.049	-001	-074		.019	.141	.079
21	LAT'L MALLEOLUS HT	-025	.026	.058	.039	.052	.049		-001	.014	.019
22	SITTING HT,RELAXED	.100	.066	.053	.020	.006	.020		.062	-224	-224
23	SITTING HEIGHT	.087	.108	.075	.035	.019	.045		.102	-232	-226
24	EYE HEIGHT,SITTING	.109	.097	.084	.023	.036	.047		.097	-151	-177
25	MIDSHOULDER HT,SIT	.143	.196	.134	.129	.072	.075		.086	.023	.170
26	WAIST HGHT,SITTING	.137	.221	.213	.205	.153	.110		.078	.018	.035
27	ELBOW REST HEIGHT	.037	.063	.084	.039	.052	.073		.026	-063	.088
28	POPLITEAL HEIGHT	-157	-030	-058	-025	.044	-027		.088	.235	.199
29	BUTTOCK-POPLIT'L L	.072	.339	.233	.234	.224	.145		.061	.217	.222
30	BUTTOCK-KNEE LNGTH	.041	.526	.364	.345	.329	.265		.072	.277	.285
31	ACROMION-RADIALE L	.017	.095	.020	.048	.054	-021		.086	.174	.291
32	RADIALE-STYLION L	-040	.034	-036	-003	-037	-076		.095	.236	.182
33	THUMB-TIP REACH	.072	.137	.047	.056	.055	-001		.033	.187	.171
34	THUMB-TIP,EXTENDED	.009	.144	.028	.076	.003	.016		.049	.120	.131
35	OVERHEAD REACH	-060	.070	-039	-016	-017	.005		.091	.206	.276
36	NECK CIRCUMFERENCE	.152	.514	.298	.382	.295	.170		-009	.023	.038
37	SHOULDER CIRCUMFER	.230	.824	.537	.615	.541	.253		.022	.042	.114
38	CHEST CIRC AT SCYE	.289	.800	.504	.635	.551	.247		.004	.033	.134
39	BUST CIRCUMFERENCE	.285	.810	.525	.648	.598	.265		.008	.060	.165
40	CHEST C BELOW BUST	.262	.786	.488	.595	.535	.251		.024	.055	.189
41	WAIST CIRCUMFERNCE	.230	.832	.544	.671	.642	.296		-010	.100	.168
42	ABDOMINAL EXT CIRC	.294	.808	.589	.646	.606	.344		-033	.030	.115
43	HIP C-7" BLW WAIST	.228	.888	.630	.617	.584	.397		-035	.031	.111
44	HIP C-9" BLW WAIST	.217	.879	.629	.564	.547	.419		.013	.067	.110
45	UPPER THIGH CIRCUM	.147	.856	.635	.540	.563	.434		-004	.068	.102
46	KNEE CIRCUMFERENCE	.137	.786	.582	.442	.442	.486		.011	.066	.086
47	CALF CIRCUM, RIGHT	.035	.736	.489	.357	.364	.450		-008	.005	.032
49	ANKLE CIRCUMFERNCE	-043	.509	.314	.186	.205	.334		.007	.011	.015
50	VERTICAL TRUNK CIR	.309	.688	.466	.472	.379	.295		.032	.045	.201
51	VERT TRUNK CIR,SIT	.276	.604	.415	.434	.356	.248		.072	.072	.218

TABLE XXX
PARTIAL CORRELATION COEFFICIENTS
WEIGHT PARTIALED OUT ABOVE DIAGONAL***STATURE PARTIALED OUT BELOW IT

		1	2	3	4	5	6	7	8	9	10
52	BUTTOCK CIRC, SIT	.280	.896	.617	.591	.558	.402		.018	.083	.151
53	SCYE CIRCUMFERENCE	.263	.739	.504	.570	.487	.252		.024	.087	.220
54	AXILLARY ARM CIRC	.233	.846	.666	.690	.633	.352		.010	.064	.094
55	BICEPS CIR,RELAX,R	.284	.868	.716	.637	.580	.427		-004	.055	.115
56	BICEPS CIR, FLEX,R	.289	.861	.691	.613	.559	.405		-003	.053	.119
59	ELBOW CIRC, FLEXED	.122	.458	.297	.305	.285	.192		.007	.073	.119
60	FOREARM CIR, RELAX	.189	.799	.566	.507	.475	.348		.003	.068	.138
61	FOREARM CIR,FLEXED	.169	.764	.542	.487	.467	.333		.006	.072	.119
62	WRIST CIRCUMFERNCE	.090	.536	.309	.303	.302	.193		.042	.039	.068
63	BIACROMIAL BREADTH	.142	.335	.130	.172	.108	.026		.012	.031	-080
64	BIDELTOID BREADTH	.223	.790	.533	.582	.527	.261		-004	.045	.122
65	CHEST BREADTH	.227	.680	.398	.490	.414	.188		.037	.021	.171
66	BUSTPT-BUSTPT BRTH	.151	.573	.350	.423	.431	.158		-009	.045	.120
67	WAIST BREADTH	.138	.741	.472	.565	.575	.273		.045	.106	.164
68	HIP BREADTH	.190	.737	.539	.451	.439	.382		.006	.044	.061
69	THIGH-THIGH BR,SIT	.270	.798	.592	.489	.473	.422		.030	.061	.095
70	HUMERAL BREADTH, R	.130	.378	.190	.132	.172	.103		.057	.043	.071
72	FEMORAL BREADTH, R	.105	.385	.273	.217	.220	.191		.081	.069	.072
74	CHEST DEPTH	.289	.756	.509	.626	.573	.260		.038	.114	.168
75	WAIST DEPTH	.286	.763	.495	.619	.560	.276		-003	.106	.163
76	ABDOMINAL EXT DPTH	.285	.822	.572	.650	.589	.360		.011	.105	.167
77	BUTTOCK DEPTH	.157	.825	.599	.593	.532	.399		.021	.084	.156
78	THIGH CLEARANCE	-033	.634	.430	.362	.417	.331		.096	.135	.115
79	SHOULDER LENGTH	.011	.100	.011	.032	.005	-042		.019	.082	-283
80	NECK-BUST POINT L	.310	.529	.357	.420	.411	.162		.031	.059	.015
81	STRAP LENGTH	.328	.602	.410	.471	.437	.176		-004	-002	-016
82	INTERSCYE	.188	.522	.294	.369	.329	.110		.038	.033	.085
83	INTERSCYE, MAXIMUM	.164	.461	.287	.344	.318	.100		.033	.090	.068
84	BACK CURVATURE	.159	.585	.352	.442	.344	.215		.042	.038	.159
85	WAIST BACK	-023	-020	-028	-046	-026	.003		.082	.215	-021
86	ANTERIOR WAIST LTH	.028	.286	.207	.218	.241	.149		.013	-054	-011
87	SLEEVE INSEAM	-166	-148	-154	-121	-141	-098		.050	.245	.112
88	SPINE-TO-SCYE LGTH	.143	.357	.171	.204	.216	.039		.038	.021	.058
89	SPINE-TO-ELBOW LTH	.129	.333	.174	.183	.153	.035		.059	.093	.052
90	SPINE-TO-WRIST LTH	.062	.294	.117	.148	.108	-007		.092	.197	.160
91	HAND LENGTH	.064	.093	-048	-029	-012	-098		.091	.096	.070
92	HAND BREADTH	.132	.274	.032	.047	.051	-005		.044	.024	.044
93	HAND CIRCUMFERENCE	.129	.382	.137	.131	.143	.043		.044	.036	.071
94	FOOT LENGTH	.031	.232	.001	.047	.045	-046		.125	.136	.101
95	FOOT BREADTH	-011	.257	.031	.041	.033	.026		-003	-006	.032
96	HEAD LENGTH	.108	.167	.036	.020	.022	.031		.061	-060	-028
97	HEAD BREADTH	.186	.259	.147	.133	.130	.089		.015	-055	.012
98	HEAD CIRCUMFERENCE	.083	.284	.087	.102	.069	.061		.078	-073	-023
104	MENTON-TOP HEAD	.051	.103	.007	.008	-031	.007		-013	-178	-112
107	PRONASALE TO WALL	.138	.241	.082	.106	.075	.044		.037	.075	.069
111	SAGITTAL CURVATURE	.086	.109	.015	.033	-055	.038		.031	-136	-093
112	BITRAGION-CORONAL	.057	.211	.110	.132	.104	.081		.038	-115	-052
115	BITRAGION BREADTH	.241	.328	.196	.211	.149	.110		.017	-011	.064
121	MENTON-SELLION LTH	.183	.150	.036	.035	-001	-030		.034	-038	-027
125	GRIP STRENGTH	.142	.252	.076	.065	.037	-029		.059	-002	.049

ALL ENTRIES ON THIS PAGE ARE BELOW THE DIAGONAL

TABLE XXX

PARTIAL CORRELATION COEFFICIENTS

WEIGHT PARTIALED OUT ABOVE DIAGONAL***STATURE PARTIALED OUT BELOW IT

		11	12	13	14	15	16	17	18	19	20
1	AGE	-093	-144	-085	-135	-107	-161	-145	-105	-172	.009
2	WEIGHT										
3	TRICEPS SKINFOLD	-341	-330	-319	-322	-314	-273	-269	-268	-305	-130
4	SUBSCAPULAR SKINFD	-398	-381	-354	-377	-335	-285	-296	-298	-326	-050
5	SUPRAILIAC SKINFLD	-288	-289	-254	-258	-263	-178	-188	-198	-216	-078
6	MEDIAL CALF SKINFD	-215	-184	-211	-198	-189	-157	-163	-189	-177	-133
7	STATURE	.962	.908	.884	.874	.808	.800	.800	.737	.811	.266
8	STATURE, MAXIMUM	.964	.908	.887	.877	.810	.802	.800	.740	.817	.267
9	CERVICALE HEIGHT	.960	.909	.902	.893	.826	.824	.819	.774	.847	.292
10	ACROMIAL HEIGHT	.953	.920	.891	.880	.827	.815	.807	.752	.834	.277
11	SUPRASTERNALE HGHT		.930	.907	.901	.838	.828	.818	.767	.853	.278
12	BUSTPOINT HEIGHT	.464		.868	.867	.818	.802	.809	.738	.828	.259
13	WAIST HEIGHT	.444	.332		.936	.867	.857	.845	.794	.888	.275
14	ABDOMINAL EXTEN HT	.422	.373	.709		.871	.869	.852	.800	.900	.238
15	TROCHANTERIC H'GHT	.374	.338	.555	.569		.852	.838	.737	.878	.209
16	BUTTOCK HEIGHT	.357	.294	.534	.573	.583		.868	.779	.884	.264
17	GLUTEAL FURROW HGT	.255	.339	.480	.534	.532	.620		.776	.865	.272
18	TIBIALE HEIGHT	.307	.245	.449	.474	.356	.465	.456		.809	.420
19	CROTCH HEIGHT	.440	.378	.622	.672	.644	.667	.614	.535		.276
20	ANKLE HEIGHT	.082	.045	.089	.013	-011	.089	.102	.344	.107	
21	LAT'L MALLEOLUS HT	.040	-001	.052	.067	.036	.080	.023	.086	.026	.099
22	SITTING HT,RELAXED	-241	-283	-469	-555	-531	-579	-598	-430	-635	-046
23	SITTING HEIGHT	-252	-304	-511	-600	-559	-618	-638	-478	-672	-061
24	EYE HEIGHT,SITTING	-186	-256	-405	-495	-487	-524	-548	-382	-569	-076
25	MIDSHOULDER HT,SIT	-071	-129	-339	-447	-384	-446	-479	-349	-522	-011
26	WAIST HGHT,SITTING	-006	-098	.127	-131	-129	-164	-224	-146	-249	-008
27	ELBOW REST HEIGHT	-114	-121	-355	-413	-426	-416	-461	-328	-509	-073
28	POPLITEAL HEIGHT	.245	.219	.350	.419	.362	.452	.364	.388	.470	.047
29	BUTTOCK-POPLIT'L L	.296	.172	.368	.342	.354	.396	.273	.211	.402	-015
30	BUTTOCK-KNEE LNGTH	.353	.180	.411	.370	.426	.467	.287	.228	.469	.004
31	ACROMION-RADIALE L	.190	.136	.304	.321	.397	.340	.288	.170	.368	-066
32	RADIALE-STYLION L	.221	.196	.298	.296	.319	.311	.297	.380	.383	.250
33	THUMB-TIP REACH	.151	.098	.199	.173	.247	.220	.200	.211	.265	.106
34	THUMB-TIP,EXTENDED	.103	.105	.168	.129	.248	.142	.160	.142	.214	.113
35	OVERHEAD REACH	.289	.224	.264	.266	.381	.231	.229	.196	.323	.143
36	NECK CIRCUMFERENCE	-000	-069	-071	-150	-052	-042	-121	.016	-085	.187
37	SHOULDER CIRCUMFER	.149	-106	.009	-086	.021	.025	-113	-027	-038	-007
38	CHEST CIRC AT SCYE	.107	-112	.004	-119	-016	.015	-101	-012	-062	.050
39	BUST CIRCUMFERENCE	.131	-152	.008	-117	-014	.040	-090	-007	-055	.028
40	CHEST C BELOW BUST	.126	-038	-013	-133	.005	.034	-093	-012	-045	.024
41	WAIST CIRCUMFERNCE	.120	-118	-042	-135	.035	.075	-075	-026	-031	.038
42	ABDOMINAL EXT CIRC	.047	-157	-022	-254	-047	.013	-126	-053	-120	.002
43	HIP C-7" BLW WAIST	.080	-122	-019	-157	-034	.010	-160	-060	-133	-037
44	HIP C-9" BLW WAIST	.107	-128	.020	-138	-035	-043	-218	-056	-122	-017
45	UPPER THIGH CIRCUM	.098	-102	.024	-093	-014	.018	-132	-010	-067	-051
46	KNEE CIRCUMFERENCE	.122	-082	-001	-112	-023	.006	-161	-022	-061	-009
47	CALF CIRCUM, RIGHT	.062	-082	-060	-119	-013	-058	-162	-055	-095	-088
49	ANKLE CIRCUMFERNCE	.046	-053	-097	-131	-090	-105	-178	.005	-114	-014
50	VERTICAL TRUNK CIR	.082	-107	-200	-373	-219	-301	-418	-253	-387	-004
51	VERT TRUNK CIR,SIT	.066	-100	-198	-366	-254	-304	-417	-259	-403	-005

TABLE XXX

PARTIAL CORRELATION COEFFICIENTS

WEIGHT PARTIALED OUT ABOVE DIAGONAL***STATURE PARTIALED OUT BELOW IT

		11	12	13	14	15	16	17	18	19	20
52	BUTTOCK CIRC, SIT	.133	-124	.035	-146	-004	-001	-200	-053	-100	-010
53	SCYE CIRCUMFERENCE	.146	-091	.023	-101	.018	.029	-090	-014	-043	.055
54	AXILLARY ARM CIRC	.135	-123	-010	-148	-049	.012	-135	-038	-083	.045
55	BICEPS CIR,RELAX,R	.143	-120	-022	-153	-024	-006	-147	-066	-088	-010
56	BICEPS CIR, FLEX,R	.151	-126	-024	-135	-023	.008	-143	-059	-081	-014
59	ELBOW CIRC, FLEXED	.142	-002	.020	.004	.081	.055	-016	.041	.035	.041
60	FOREARM CIR, RELAX	.170	-066	-018	-098	.008	.000	-118	-017	-048	.009
61	FOREARM CIR,FLEXED	.165	-064	-023	-078	.004	.010	-106	.001	-040	.010
62	WRIST CIRCUMFERNCE	.105	-074	-045	-101	-043	-027	-151	-014	-057	.051
63	BIACROMIAL BREADTH	.050	-031	-022	-059	.026	-050	-072	.005	-016	.057
64	BIDELTOID BREADTH	.111	-108	-006	-121	-011	.016	-125	.002	-065	.048
65	CHEST BREADTH	.093	-073	-032	-127	-018	-009	-118	-042	-055	-012
66	BUSTPT-BUSTPT BRTH	.149	-112	.045	-023	.031	.066	-043	.017	.004	-021
67	WAIST BREADTH	.110	-109	-020	-093	.030	.083	-056	-006	-004	.049
68	HIP BREADTH	.051	-133	.000	-144	-043	-088	-212	-064	-143	-017
69	THIGH-THIGH BR,SIT	.064	-142	-018	-185	-057	-067	-233	-091	-144	-035
70	HUMERAL BREADTH, R	.113	-038	-007	-021	-039	-058	-115	.004	-045	.006
72	FEMORAL BREADTH, R	.091	-064	-001	-039	-062	.002	-098	.046	-017	.007
74	CHEST DEPTH	.153	-128	.071	-068	.039	.083	-055	.010	-003	.035
75	WAIST DEPTH	.136	-115	.013	-146	.048	.082	-086	-035	-037	.026
76	ABDOMINAL EXT DPTH	.126	-099	.049	-160	.068	.118	-075	-027	-011	.017
77	BUTTOCK DEPTH	.146	-087	.065	-095	.062	.086	-125	-003	-028	.002
78	THIGH CLEARANCE	.164	-001	.135	.065	.129	.159	.016	.109	.139	-031
79	SHOULDER LENGTH	-012	-081	.004	-008	.027	-067	-016	.032	.016	.016
80	NECK-BUST POINT L	-001	-590	-045	-176	-120	-047	-169	-018	-136	.054
81	STRAP LENGTH	.025	-580	-091	-215	-132	-063	-206	-071	-180	.012
82	INTERSCYE	.045	-120	-018	-107	-040	.011	-087	.001	-048	.068
83	INTERSCYE, MAXIMUM	.005	-138	.001	-097	-120	-005	-091	.103	-047	.155
84	BACK CURVATURE	.050	-096	-036	-098	.016	.049	-088	-086	-053	-076
85	WAIST BACK	-111	-103	-425	-298	-298	-341	-290	-237	-291	-025
86	ANTERIOR WAIST LTH	.189	-031	-556	-351	-260	-218	-273	-186	-264	-017
87	SLEEVE INSEAM	.176	.252	.315	.365	.377	.337	.406	.405	.467	.245
88	SPINE-TO-SCYE LGTH	.001	-117	-021	-071	-098	-012	-082	.032	-059	.034
89	SPINE-TO-ELBOW LTH	.088	-012	.132	.097	.132	.095	.078	.105	.136	.035
90	SPINE-TO-WRIST LTH	.197	.116	.255	.237	.281	.247	.225	.271	.317	.119
91	HAND LENGTH	.127	.042	.164	.183	.207	.148	.110	.052	.177	-160
92	HAND BREADTH	.038	-051	-018	-020	.011	-014	-070	.026	.012	.047
93	HAND CIRCUMFERENCE	.091	-047	-031	-046	-022	-005	-096	.027	-020	.043
94	FOOT LENGTH	.139	.018	.163	.127	.181	.133	.077	.150	.202	.086
95	FOOT BREADTH	.051	.033	.042	.003	.084	-002	-017	.021	.018	.074
96	HEAD LENGTH	-014	-031	.015	-005	.031	.001	-039	-037	.019	-072
97	HEAD BREADTH	-066	-110	-004	-073	-039	-017	-044	-010	-051	-043
98	HEAD CIRCUMFERENCE	-012	-062	.010	-039	.073	-008	-042	-015	.028	-007
104	MENTON-TOP HEAD	-068	-069	-069	-047	.018	-088	-097	-051	-032	-006
107	PRONASALE TO WALL	.080	.026	.076	.040	.106	.028	.032	.065	.063	.072
111	SAGITTAL CURVATURE	-123	-092	-095	-128	-076	-140	-106	-036	-080	.116
112	BITRAGION-CORONAL	-092	-125	-028	-055	.014	-015	-040	-044	-019	-051
115	BITRAGION BREADTH	.001	-064	.034	-043	-003	-024	-067	-002	-039	.006
121	MENTON-SELLION LTH	-016	-072	-048	-056	-008	-048	-116	-052	-044	-057
125	GRIP STRENGTH	.057	-058	-041	-027	-029	-042	-053	.025	-008	.055

ALL ENTRIES ON THIS PAGE ARE BELOW THE DIAGONAL

TABLE XXX

PARTIAL CORRELATION COEFFICIENTS

WEIGHT PARTIALED OUT ABOVE DIAGONAL***STATURE PARTIALED OUT BELOW IT

		21	22	23	24	25	26	27	28	29	30
1	AGE	-061	-001	-019	.010	.028	.065	.010	-171	-050	-130
2	WEIGHT										
3	TRICEPS SKINFOLD	-081	-249	-260	-217	-215	-008	.001	-276	-170	-216
4	SUBSCAPULAR SKINFD	-127	-322	-340	-315	-260	-037	-062	-289	-202	-281
5	SUPRAILIAC SKINFLD	-070	-252	-267	-226	-241	-062	-028	-151	-143	-204
6	MEDIAL CALF SKINFD	-042	-166	-164	-141	-143	-038	.019	-162	-109	-102
7	STATURE	.359	.718	.734	.659	.615	.254	.142	.675	.504	.655
8	STATURE, MAXIMUM	.358	.719	.737	.662	.618	.259	.143	.678	.506	.657
9	CERVICALE HEIGHT	.350	.654	.668	.607	.595	.244	.119	.697	.529	.683
10	ACROMIAL HEIGHT	.343	.620	.634	.571	.617	.238	.159	.687	.526	.676
11	SUPRASTERNALE HGHT	.354	.641	.654	.591	.568	.232	.102	.700	.545	.694
12	BUSTPOINT HEIGHT	.327	.570	.582	.520	.522	.200	.081	.680	.539	.685
13	WAIST HEIGHT	.340	.480	.484	.438	.413	.280	-041	.717	.599	.744
14	ABDOMINAL EXTEN HT	.346	.440	.445	.397	.371	.172	-073	.740	.613	.762
15	TROCHANTERIC H'GHT	.310	.360	.366	.314	.313	.128	-136	.703	.596	.748
16	BUTTOCK HEIGHT	.332	.330	.331	.288	.273	.101	-136	.741	.615	.763
17	GLUTEAL FURROW HGT	.303	.325	.330	.283	.273	.089	-158	.701	.585	.723
18	TIBIALE HEIGHT	.319	.326	.320	.291	.265	.093	-115	.691	.507	.626
19	CROTCH HEIGHT	.306	.324	.329	.285	.258	.068	-179	.750	.634	.789
20	ANKLE HEIGHT	.185	.160	.155	.120	.156	.061	-032	.213	.122	.181
21	LAT'L MALLEOLUS HT		.251	.251	.236	.195	.114	.058	.301	.146	.167
22	SITTING HT,RELAXED	-008		.960	.879	.810	.449	.529	.275	.049	.138
23	SITTING HEIGHT	-016	.916		.908	.844	.458	.541	.270	.068	.153
24	EYE HEIGHT,SITTING	.001	.776	.833		.793	.481	.551	.233	.052	.127
25	MIDSHOULDER HT,SIT	-029	.669	.736	.656		.457	.661	.220	.011	.091
26	WAIST HGHT,SITTING	.030	.400	.425	.439	.420		.400	.033	-067	-024
27	ELBOW REST HEIGHT	.010	.622	.652	.617	.732	.384		-117	-268	-256
28	POPLITEAL HEIGHT	.084	-408	-448	-383	-334	-196	-292		.456	.592
29	BUTTOCK-POPLIT'L L	-032	-465	-444	-371	-339	-140	-352	.161		.797
30	BUTTOCK-KNEE LNGTH	-069	-501	-482	-403	-333	-100	-363	.213	.750	
31	ACROMION-RADIALE L	.020	-318	-318	-269	-214	-062	-417	.216	.239	.283
32	RADIALE-STYLION L	-105	-344	-346	-337	-250	-142	-354	.254	.219	.254
33	THUMB-TIP REACH	-040	-244	-272	-277	-130	-139	-287	.188	.161	.219
34	THUMB-TIP,EXTENDED	-059	-176	-148	-124	-090	.014	-176	.072	.149	.218
35	OVERHEAD REACH	-105	-224	-213	-197	-115	-070	-221	.141	.167	.252
36	NECK CIRCUMFERENCE	-007	.094	.124	.082	.158	.134	.032	-032	.071	.173
37	SHOULDER CIRCUMFER	.011	.051	.080	.064	.144	.173	-008	-019	.242	.375
38	CHEST CIRC AT SCYE	.003	.065	.084	.074	.155	.195	.006	-048	.219	.351
39	BUST CIRCUMFERENCE	.021	.040	.057	.058	.145	.175	.023	-022	.242	.370
40	CHEST C BELOW BUST	.015	.030	.056	.044	.150	.139	.045	-031	.227	.353
41	WAIST CIRCUMFERNCE	-003	-010	.022	-001	.145	.100	.009	-025	.284	.422
42	ABDOMINAL EXT CIRC	-004	.057	.086	.094	.178	.238	.075	-082	.257	.382
43	HIP C-7" BLW WAIST	.001	.064	.108	.104	.195	.219	.080	-077	.349	.509
44	HIP C-9" BLW WAIST	-023	.126	.169	.154	.228	.274	.111	-095	.343	.513
45	UPPER THIGH CIRCUM	.011	.056	.096	.092	.171	.228	.094	-039	.342	.500
46	KNEE CIRCUMFERENCE	.072	.065	.102	.094	.150	.166	.086	-056	.266	.438
47	CALF CIRCUM, RIGHT	.068	.091	.131	.105	.132	.115	.051	-033	.157	.359
49	ANKLE CIRCUMFERNCE	.071	.122	.167	.131	.169	.113	.103	-052	.028	.186
50	VERTICAL TRUNK CIR	-031	.396	.448	.406	.562	.334	.394	-284	.063	.164
51	VERT TRUNK CIR,SIT	-021	.460	.515	.464	.647	.386	.476	-284	-015	.072

TABLE XXX

PARTIAL CORRELATION COEFFICIENTS

WEIGHT PARTIALED OUT ABOVE DIAGONAL***STATURE PARTIALED OUT BELOW IT

		21	22	23	24	25	26	27	28	29	30
52	BUTTOCK CIRC, SIT	-024	.110	.145	.139	.222	.269	.095	-080	.336	.508
53	SCYE CIRCUMFERENCE	.013	.055	.083	.081	.203	.209	.045	-039	.215	.342
54	AXILLARY ARM CIRC	.036	.088	.117	.105	.179	.232	.044	-059	.255	.395
55	BICEPS CIR,RELAX,R	.026	.073	.105	.087	.172	.197	.062	-065	.269	.432
56	BICEPS CIR, FLEX,R	.033	.065	.094	.081	.166	.183	.059	-050	.273	.433
59	ELBOW CIRC, FLEXED	.051	-026	-000	-011	.050	.062	-025	.039	.128	.247
60	FOREARM CIR, RELAX	.046	.051	.089	.056	.160	.134	.025	-006	.203	.381
61	FOREARM CIR,FLEXED	.044	.043	.079	.052	.135	.122	.022	-000	.194	.369
62	WRIST CIRCUMFERNCE	.089	.083	.120	.107	.132	.100	.034	.039	.064	.196
63	BIACROMIAL BREADTH	-041	.031	.036	.004	-006	.017	-202	-008	.068	.127
64	BIDELTOID BREADTH	-005	.058	.083	.067	.149	.176	.003	-020	.238	.375
65	CHEST BREADTH	-016	.050	.094	.107	.142	.182	.053	-072	.190	.294
66	BUSTPT-BUSTPT BRTH	.033	-005	-002	.007	.014	.091	-037	.022	.189	.281
67	WAIST BREADTH	-021	.004	.025	-013	.156	.029	.014	.015	.225	.357
68	HIP BREADTH	-054	.141	.179	.180	.208	.255	.126	-113	.280	.432
69	THIGH-THIGH BR,SIT	-036	.158	.201	.192	.249	.289	.163	-134	.270	.429
70	HUMERAL BREADTH, R	.122	.065	.097	.102	.083	.099	.053	.005	.062	.139
72	FEMORAL BREADTH, R	.139	.056	.075	.126	.039	.120	.076	-010	.094	.162
74	CHEST DEPTH	.037	.000	.022	.034	.112	.178	.014	-000	.265	.390
75	WAIST DEPTH	.009	.011	.034	.017	.162	.165	.029	-020	.276	.396
76	ABDOMINAL EXT DPTH	.010	-019	.018	.028	.137	.184	.028	-033	.354	.501
77	BUTTOCK DEPTH	-015	.017	.063	.044	.167	.200	.058	-036	.394	.581
78	THIGH CLEARANCE	.057	-097	-047	.026	.002	.107	-009	.109	.287	.450
79	SHOULDER LENGTH	-093	.020	.024	.032	-050	-003	-186	-014	-018	.033
80	NECK-BUST POINT L	-006	.135	.140	.159	.170	.180	.082	-092	.092	.174
81	STRAP LENGTH	.022	.159	.174	.175	.169	.194	.076	-117	.105	.183
82	INTERSCYE	.003	.029	.074	.073	.144	.115	.011	-039	.138	.205
83	INTERSCYE, MAXIMUM	-015	.064	.068	.095	.115	.156	.043	-004	.115	.176
84	BACK CURVATURE	.018	.029	.071	.068	.155	.117	.055	-019	.163	.261
85	WAIST BACK	-020	.311	.388	.315	.395	-188	.312	-207	-229	-245
86	ANTERIOR WAIST LTH	.009	.290	.309	.281	.270	-083	.264	-148	-073	-040
87	SLEEVE INSEAM	-117	-407	-420	-410	-347	-209	-509	.253	.197	.224
88	SPINE-TO-SCYE LGTH	.037	.060	.065	.083	.109	.085	.051	.016	.052	.094
89	SPINE-TO-ELBOW LTH	-047	-100	-103	-087	-089	.028	-313	.091	.165	.248
90	SPINE-TO-WRIST LTH	-084	-266	-271	-250	-196	-050	-421	.218	.243	.327
91	HAND LENGTH	.074	-137	-140	-111	-127	-064	-140	.218	.090	.102
92	HAND BREADTH	.057	.011	.028	.020	.040	.011	-015	.099	.023	.089
93	HAND CIRCUMFERENCE	.083	.022	.048	.027	.079	.021	.012	.072	.037	.137
94	FOOT LENGTH	-033	-125	-104	-122	-080	-014	-147	.178	.132	.205
95	FOOT BREADTH	.004	-042	-025	-069	.001	-007	-069	.035	.078	.147
96	HEAD LENGTH	.019	.033	.035	-009	-030	.013	-027	.033	.057	.085
97	HEAD BREADTH	.034	.036	.045	.005	.046	.055	.010	-018	.030	.055
98	HEAD CIRCUMFERENCE	-028	.024	.053	-047	.006	.001	-051	-008	.108	.150
104	MENTON-TOP HEAD	-012	.056	.059	-101	-046	-043	-072	-044	.019	.025
107	PRONASALE TO WALL	-033	-029	-004	-018	.029	.013	-081	.019	.133	.184
111	SAGITTAL CURVATURE	-044	.131	.153	.014	.076	.036	.018	-138	-016	-029
112	BITRAGION-CORONAL	-014	.041	.065	-038	.001	-001	-036	-031	.073	.086
115	BITRAGION BREADTH	.032	.024	.036	.002	.073	.076	-006	-025	.065	.111
121	MENTON-SELLION LTH	.004	.048	.060	.067	.016	-003	-002	-015	.008	.009
125	GRIP STRENGTH	-032	.021	.028	.022	.056	-003	-026	.002	.021	.087

ALL ENTRIES ON THIS PAGE ARE BELOW THE DIAGONAL

TABLE XXX

PARTIAL CORRELATION COEFFICIENTS

WEIGHT PARTIALED OUT ABOVE DIAGONAL***STATURE PARTIALED OUT BELOW IT

		31	32	33	34	35	36	37	38	39	40
1	AGE	-059	-090	-012	-065	-115	.037	.087	.192	.186	.148
2	WEIGHT										
3	TRICEPS SKINFOLD	-271	-270	-240	-253	-351	-063	.072	.050	.100	.033
4	SUBSCAPULAR SKINFD	-286	-275	-265	-233	-384	.053	.242	.316	.356	.249
5	SUPRAILIAC SKINFLD	-204	-240	-200	-248	-292	-045	.120	.177	.277	.157
6	MEDIAL CALF SKINFD	-193	-210	-174	-153	-194	-058	-113	-088	-050	-071
7	STATURE	.645	.594	.545	.504	.802	.013	-239	-270	-332	-256
8	STATURE, MAXIMUM	.648	.598	.545	.506	.804	.011	-238	-272	-333	-255
9	CERVICALE HEIGHT	.656	.622	.564	.511	.806	.002	-253	-284	-334	-261
10	ACROMIAL HEIGHT	.679	.608	.556	.506	.809	-008	-242	-256	-299	-213
11	SUPRASTERNALE HGHT	.657	.619	.554	.504	.818	-017	-228	-275	-325	-252
12	BUSTPOINT HEIGHT	.633	.607	.535	.502	.787	.006	-225	-259	-342	-198
13	WAIST HEIGHT	.678	.637	.559	.512	.782	-036	-223	-253	-305	-252
14	ABDOMINAL EXTEN HT	.689	.637	.555	.503	.782	-038	-194	-251	-303	-250
15	TROCHANTERIC H'GHT	.700	.631	.563	.533	.782	-031	-183	-244	-292	-213
16	BUTTOCK HEIGHT	.671	.624	.545	.475	.724	-032	-196	-230	-256	-200
17	GLUTEAL FURROW HGT	.657	.623	.550	.500	.729	-019	-176	-194	-232	-178
18	TIBIALE HEIGHT	.565	.645	.524	.457	.671	.030	-187	-194	-234	-184
19	CROTCH HEIGHT	.690	.663	.577	.522	.765	-030	-192	-240	-284	-214
20	ANKLE HEIGHT	.123	.352	.232	.230	.296	.217	-067	.014	-037	-024
21	LAT'L MALLEOLUS HT	.244	.133	.161	.130	.228	-018	-101	-123	-119	-100
22	SITTING HT,RELAXED	.289	.232	.242	.249	.480	.058	-176	-180	-254	-208
23	SITTING HEIGHT	.301	.243	.234	.272	.498	.064	-186	-201	-277	-219
24	EYE HEIGHT,SITTING	.264	.184	.173	.241	.436	.037	-178	-181	-243	-206
25	MIDSHOULDER HT,SIT	.253	.199	.228	.227	.431	.061	-171	-168	-223	-162
26	WAIST HGHT,SITTING	.101	.031	-004	.113	.153	.027	-075	-039	-090	-118
27	ELBOW REST HEIGHT	-231	-201	-171	-089	-020	.002	-135	-108	-091	-042
28	POPLITEAL HEIGHT	.559	.552	.488	.389	.605	-006	-154	-210	-221	-181
29	BUTTOCK-POPLIT'L L	.471	.452	.364	.334	.483	-104	-178	-213	-215	-185
30	BUTTOCK-KNEE LNGTH	.582	.558	.467	.441	.640	-092	-245	-277	-298	-252
31	ACROMION-RADIALE L		.555	.562	.490	.649	-037	-062	-114	-154	-118
32	RADIALE-STYLION L	.281		.544	.497	.624	.102	-147	-178	-213	-186
33	THUMB-TIP REACH	.337	.327		.503	.541	.035	-098	-116	-162	-104
34	THUMB-TIP,EXTENDED	.260	.286	.329		.614	.090	-094	-108	-177	-124
35	OVERHEAD REACH	.293	.308	.214	.412		.040	-165	-209	-276	-196
36	NECK CIRCUMFERENCE	-002	.118	.099	.156	.078		.088	.131	.081	.073
37	SHOULDER CIRCUMFER	.148	.024	.135	.136	.084	.469		.635	.432	.414
38	CHEST CIRC AT SCYE	.124	.013	.133	.135	.064	.483	.867		.689	.510
39	BUST CIRCUMFERENCE	.125	.015	.125	.109	.047	.462	.795	.880		.544
40	CHEST C BELOW BUST	.113	-001	.135	.117	.066	.446	.779	.804	.819	
41	WAIST CIRCUMFERNCE	.119	.038	.153	.135	.063	.493	.753	.770	.780	.774
42	ABDOMINAL EXT CIRC	.063	-015	.096	.077	-009	.401	.679	.694	.719	.698
43	HIP C-7" BLW WAIST	.060	.025	.085	.113	.024	.434	.710	.693	.698	.674
44	HIP C-9" BLW WAIST	.038	.013	.072	.114	.030	.405	.679	.652	.645	.624
45	UPPER THIGH CIRCUM	.032	.001	.065	.100	-007	.363	.655	.611	.615	.593
46	KNEE CIRCUMFERENCE	-017	.025	.079	.098	.024	.358	.542	.517	.514	.506
47	CALF CIRCUM, RIGHT	.013	-031	.081	.110	.074	.332	.520	.471	.448	.475
49	ANKLE CIRCUMFERNCE	-066	-017	.036	.047	.025	.259	.337	.299	.276	.315
50	VERTICAL TRUNK CIR	-074	-109	-019	.075	.010	.386	.539	.605	.612	.563
51	VERT TRUNK CIR,SIT	-083	-152	-043	.052	.013	.363	.488	.553	.558	.506

TABLE XXX

PARTIAL CORRELATION COEFFICIENTS

WEIGHT PARTIALED OUT ABOVE DIAGONAL***STATURE PARTIALED OUT BELOW IT

		31	32	33	34	35	36	37	38	39	40
52	BUTTOCK CIRC, SIT	.068	.024	.088	.121	.046	.438	.699	.692	.695	.672
53	SCYE CIRCUMFERENCE	.169	.049	.133	.139	.074	.448	.705	.730	.690	.664
54	AXILLARY ARM CIRC	.046	-006	.100	.103	.024	.476	.802	.799	.770	.700
55	BICEPS CIR,RELAX,R	.011	-023	.094	.093	.025	.446	.761	.744	.725	.693
56	BICEPS CIR, FLEX,R	.023	-007	.092	.097	.026	.446	.763	.731	.708	.685
59	ELBOW CIRC, FLEXED	.081	.109	.097	.124	.143	.287	.433	.440	.394	.382
60	FOREARM CIR, RELAX	.049	.023	.105	.133	.096	.470	.720	.683	.632	.631
61	FOREARM CIR,FLEXED	.052	.029	.108	.122	.102	.439	.691	.658	.605	.601
62	WRIST CIRCUMFERNCE	.080	.060	.141	.125	.075	.354	.494	.469	.428	.436
63	BIACROMIAL BREADTH	.043	.093	.109	.138	.152	.288	.512	.401	.294	.312
64	BIDELTOID BREADTH	.094	.025	.129	.128	.099	.478	.879	.811	.738	.717
65	CHEST BREADTH	.101	.010	.016	.145	.078	.410	.747	.745	.714	.728
66	BUSTPT-BUSTPT BRTH	.134	.028	.087	.077	.060	.295	.531	.556	.705	.531
67	WAIST BREADTH	.098	.027	.180	.107	.061	.451	.684	.686	.682	.701
68	HIP BREADTH	.021	-009	.037	.121	.032	.320	.554	.522	.509	.491
69	THIGH-THIGH BR,SIT	.007	-046	.024	.110	.012	.341	.584	.564	.574	.544
70	HUMERAL BREADTH, R	.039	.018	.059	.098	.049	.218	.355	.333	.311	.320
72	FEMORAL BREADTH, R	.052	-011	-018	.056	-028	.168	.291	.284	.276	.292
74	CHEST DEPTH	.139	.033	.125	.106	.038	.414	.682	.742	.873	.737
75	WAIST DEPTH	.122	.015	.156	.085	.023	.423	.655	.674	.710	.691
76	ABDOMINAL EXT DPTH	.110	.030	.143	.122	.042	.407	.667	.679	.719	.694
77	BUTTOCK DEPTH	.038	.025	.120	.146	.062	.402	.646	.624	.638	.606
78	THIGH CLEARANCE	.096	.084	.033	.110	.071	.290	.498	.440	.434	.432
79	SHOULDER LENGTH	-025	.056	.065	.121	.104	.022	.221	.134	.059	.068
80	NECK-BUST POINT L	.046	-036	.050	.042	-014	.271	.469	.512	.616	.441
81	STRAP LENGTH	.029	-043	.046	.039	-024	.390	.566	.592	.674	.510
82	INTERSCYE	.034	-008	.135	.056	.025	.331	.647	.603	.554	.526
83	INTERSCYE, MAXIMUM	.009	.031	.071	.086	-006	.318	.516	.516	.451	.449
84	BACK CURVATURE	.147	-028	.098	.067	.021	.341	.622	.607	.601	.627
85	WAIST BACK	-171	-140	-065	-066	-072	.030	-031	-062	-046	-009
86	ANTERIOR WAIST LTH	-122	-136	-067	-049	-049	.149	.280	.275	.325	.298
87	SLEEVE INSEAM	.447	.601	.411	.360	.398	-019	-114	-157	-160	-151
88	SPINE-TO-SCYE LGTH	-014	-032	.102	.021	-047	.192	.443	.432	.380	.364
89	SPINE-TO-ELBOW LTH	.437	.175	.284	.229	.231	.192	.443	.371	.316	.318
90	SPINE-TO-WRIST LTH	.487	.468	.399	.342	.349	.226	.385	.317	.267	.278
91	HAND LENGTH	.249	.104	.221	.139	.129	-006	.117	.062	.047	.065
92	HAND BREADTH	.085	.079	.154	.103	.062	.278	.262	.244	.212	.230
93	HAND CIRCUMFERENCE	.069	.079	.154	.083	.055	.266	.345	.354	.304	.307
94	FOOT LENGTH	.153	.238	.262	.193	.188	.151	.164	.149	.142	.151
95	FOOT BREADTH	.029	.110	.136	.133	.140	.171	.192	.172	.127	.157
96	HEAD LENGTH	.057	.010	.019	.066	.014	.087	.158	.127	.133	.124
97	HEAD BREADTH	.016	.003	.065	.002	-002	.250	.221	.212	.230	.235
98	HEAD CIRCUMFERENCE	.051	.106	.083	.144	.094	.257	.247	.206	.207	.197
104	MENTON-TOP HEAD	-017	.068	.084	.041	.047	.138	.098	.069	.047	.057
107	PRONASALE TO WALL	.050	.131	.122	.141	.133	.190	.211	.212	.207	.178
111	SAGITTAL CURVATURE	-070	.052	-024	.079	.006	.245	.106	.117	.087	.079
112	BITRAGION-CORONAL	.013	.023	.032	.050	.012	.165	.168	.147	.160	.144
115	BITRAGION BREADTH	.061	.031	.085	.047	.033	.319	.311	.301	.266	.294
121	MENTON-SELLION LTH	.017	.021	.060	.069	-011	.132	.140	.113	.115	.116
125	GRIP STRENGTH	.046	.046	.078	.110	.082	.182	.313	.279	.222	.228

ALL ENTRIES ON THIS PAGE ARE BELOW THE DIAGONAL

TABLE XXX

PARTIAL CORRELATION COEFFICIENTS

WEIGHT PARTIALED OUT ABOVE DIAGONAL***STATURE PARTIALED OUT BELOW IT

		41	42	43	44	45	46	47	49	50	51
1	AGE	.091	.201	.071	.048	-062	-067	-187	-197	.161	.108
2	WEIGHT										
3	TRICEPS SKINFOLD	.110	.234	.226	.223	.296	.163	.073	-051	-119	-158
4	SUBSCAPULAR SKINFD	.387	.358	.203	.075	.108	-111	-151	-237	-137	-167
5	SUPRAILIAC SKINFLD	.350	.296	.161	.073	.174	-071	-118	-181	-202	-186
6	MEDIAL CALF SKINFD	-017	.089	.128	.176	.234	.295	.265	.139	-075	-116
7	STATURE	-335	-345	-313	-283	-396	-103	-189	.058	.382	.500
8	STATURE, MAXIMUM	-338	-351	-322	-285	-399	-104	-192	.057	.382	.503
9	CERVICALE HEIGHT	-321	-359	-339	-290	-396	-109	-211	.042	.359	.485
10	ACROMIAL HEIGHT	-302	-339	-325	-296	-401	-124	-225	.025	.396	.513
11	SUPRASTERNALE HGHT	-335	-374	-346	-300	-407	-106	-209	.041	.354	.469
12	BUSTPOINT HEIGHT	-320	-357	-302	-280	-362	-088	-170	.055	.331	.440
13	WAIST HEIGHT	-348	-339	-320	-256	-351	-109	-222	-010	.206	.332
14	ABDOMINAL EXTEN HT	-319	-421	-321	-276	-334	-101	-184	.012	.155	.283
15	TROCHANTERIC H'GHT	-247	-333	-310	-285	-348	-115	-173	-020	.137	.236
16	BUTTOCK HEIGHT	-222	-292	-278	-317	-331	-104	-224	-040	.057	.187
17	GLUTEAL FURROW HGT	-212	-277	-280	-327	-316	-121	-194	-024	.065	.187
18	TIBIALE HEIGHT	-257	-293	-289	-260	-282	-082	-178	.054	.076	.188
19	CROTCH HEIGHT	-263	-355	-363	-324	-348	-105	-203	-014	.046	.168
20	ANKLE HEIGHT	-017	-080	-145	-097	-183	-034	-166	.004	.102	.132
21	LAT'L MALLEOLUS HT	-158	-161	-154	-188	-161	.041	-002	.083	.079	.142
22	SITTING HT,RELAXED	-318	-243	-218	-108	-285	-059	-092	.113	.586	.677
23	SITTING HEIGHT	-324	-255	-213	-107	-286	-057	-087	.131	.606	.701
24	EYE HEIGHT,SITTING	-325	-208	-178	-082	-248	-046	-088	.109	.578	.663
25	MIDSHOULDER HT,SIT	-231	-187	-158	-085	-240	-069	-130	.100	.672	.769
26	WAIST HGHT,SITTING	-225	.007	-033	.087	-031	-038	-116	.016	.327	.400
27	ELBOW REST HEIGHT	-120	-010	.006	.072	.016	.044	-019	.090	.497	.543
28	POPLITEAL HEIGHT	-227	-301	-288	-293	-285	-107	-139	.007	.010	.124
29	BUTTOCK-POPLIT'L L	-165	-198	-066	-060	-116	-053	-218	-125	-007	.033
30	BUTTOCK-KNEE LNGTH	-242	-288	-128	-095	-180	-032	-159	-046	.026	.091
31	ACROMION-RADIALE L	-164	-239	-240	-253	-322	-179	-185	-065	.111	.205
32	RADIALE-STYLION L	-186	-259	-193	-195	-275	-063	-177	.002	.092	.147
33	THUMB-TIP REACH	-126	-208	-235	-237	-295	-095	-127	-002	.086	.157
34	THUMB-TIP,EXTENDED	-147	-228	-185	-165	-236	-074	-091	.002	.166	.219
35	OVERHEAD REACH	-264	-340	-299	-266	-390	-113	-132	.039	.277	.382
36	NECK CIRCUMFERENCE	.126	-031	-057	-113	-165	-087	-080	-002	.053	.072
37	SHOULDER CIRCUMFER	.278	.119	-003	-088	-058	-266	-170	-177	-153	-138
38	CHEST CIRC AT SCYE	.374	.213	.027	-090	-105	-262	-223	-217	.009	-013
39	BUST CIRCUMFERENCE	.403	.279	.034	-119	-092	-283	-283	-273	-016	-047
40	CHEST C BELOW BUST	.405	.244	.005	-136	-122	-255	-186	-168	-054	-075
41	WAIST CIRCUMFERNCE		.452	.253	-029	-032	-225	-248	-243	-141	-147
42	ABDOMINAL EXT CIRC	.797		.436	.215	.148	-120	-201	-230	-073	-100
43	HIP C-7" BLW WAIST	.781	.817		.710	.473	.088	.004	-097	-020	-056
44	HIP C-9" BLW WAIST	.694	.747	.930		.594	.218	.102	-017	.070	.018
45	UPPER THIGH CIRCUM	.658	.696	.855	.887		.295	.215	.003	-128	-202
46	KNEE CIRCUMFERENCE	.559	.575	.715	.749	.762		.465	.376	-036	-084
47	CALF CIRCUM, RIGHT	.485	.480	.635	.663	.684	.769		.567	-106	-153
49	ANKLE CIRCUMFERNCE	.309	.297	.419	.447	.448	.605	.718		.024	.033
50	VERTICAL TRUNK CIR	.566	.585	.649	.674	.600	.543	.488	.351		.839
51	VERT TRUNK CIR,SIT	.514	.530	.581	.604	.515	.456	.407	.311	.884	

TABLE XXX

PARTIAL CORRELATION COEFFICIENTS

WEIGHT PARTIALED OUT ABOVE DIAGONAL***STATURE PARTIALED OUT BELOW IT

		41	42	43	44	45	46	47	49	50	51
52	BUTTOCK CIRC, SIT	.754	.790	.923	.931	.841	.732	.632	.412	.691	.622
53	SCYE CIRCUMFERENCE	.685	.636	.642	.610	.574	.501	.450	.305	.586	.530
54	AXILLARY ARM CIRC	.749	.732	.754	.728	.713	.613	.549	.347	.634	.567
55	BICEPS CIR,RELAX,R	.717	.722	.771	.755	.750	.693	.636	.429	.632	.549
56	BICEPS CIR, FLEX,R	.706	.703	.757	.739	.737	.686	.631	.428	.605	.526
59	ELBOW CIRC, FLEXED	.395	.323	.375	.359	.348	.388	.327	.293	.316	.269
60	FOREARM CIR, RELAX	.654	.588	.675	.654	.647	.686	.656	.531	.536	.461
61	FOREARM CIR,FLEXED	.621	.554	.641	.624	.622	.653	.634	.509	.507	.437
62	WRIST CIRCUMFERNCE	.437	.350	.414	.397	.365	.488	.468	.526	.359	.330
63	BIACROMIAL BREADTH	.298	.234	.264	.279	.231	.221	.251	.209	.193	.163
64	BIDELTOID BREADTH	.715	.655	.694	.676	.646	.547	.509	.342	.540	.488
65	CHEST BREADTH	.657	.600	.596	.549	.509	.427	.404	.264	.498	.455
66	BUSTPT-BUSTPT BRTH	.543	.489	.476	.435	.433	.357	.320	.199	.384	.345
67	WAIST BREADTH	.876	.676	.685	.624	.587	.506	.450	.295	.489	.448
68	HIP BREADTH	.559	.638	.812	.878	.777	.652	.587	.395	.562	.520
69	THIGH-THIGH BR,SIT	.608	.702	.835	.887	.833	.706	.613	.389	.629	.580
70	HUMERAL BREADTH, R	.272	.236	.297	.292	.270	.353	.336	.347	.262	.256
72	FEMORAL BREADTH, R	.273	.279	.317	.325	.326	.453	.360	.330	.236	.222
74	CHEST DEPTH	.721	.680	.655	.602	.577	.485	.408	.241	.545	.498
75	WAIST DEPTH	.840	.737	.683	.618	.575	.513	.415	.249	.548	.488
76	ABDOMINAL EXT DPTH	.805	.813	.769	.706	.672	.585	.490	.284	.583	.508
77	BUTTOCK DEPTH	.687	.688	.810	.798	.782	.666	.597	.388	.628	.540
78	THIGH CLEARANCE	.451	.438	.555	.571	.637	.572	.547	.375	.351	.268
79	SHOULDER LENGTH	.064	.051	.058	.096	.076	.065	.116	.108	.011	-001
80	NECK-BUST POINT L	.501	.492	.454	.448	.403	.339	.281	.181	.419	.388
81	STRAP LENGTH	.578	.546	.521	.500	.451	.388	.335	.206	.469	.431
82	INTERSCYE	.505	.456	.452	.415	.375	.325	.304	.203	.337	.327
83	INTERSCYE, MAXIMUM	.430	.416	.403	.395	.360	.309	.269	.205	.282	.286
84	BACK CURVATURE	.567	.518	.519	.475	.436	.380	.372	.234	.394	.395
85	WAIST BACK	.023	-063	-029	-029	-052	.006	.055	.101	.168	.227
86	ANTERIOR WAIST LTH	.305	.224	.228	.202	.199	.198	.193	.163	.392	.341
87	SLEEVE INSEAM	-112	-180	-153	-151	-144	-120	-103	-079	-326	-337
88	SPINE-TO-SCYE LGTH	.317	.291	.288	.269	.256	.235	.206	.154	.212	.216
89	SPINE-TO-ELBOW LTH	.275	.246	.259	.262	.232	.200	.228	.131	.094	.083
90	SPINE-TO-WRIST LTH	.252	.185	.222	.213	.191	.173	.181	.109	.013	-013
91	HAND LENGTH	.063	-005	.022	.002	.003	.040	.073	.084	-064	-070
92	HAND BREADTH	.187	.156	.171	.160	.155	.209	.236	.277	.136	.116
93	HAND CIRCUMFERENCE	.298	.215	.257	.242	.242	.317	.319	.366	.260	.224
94	FOOT LENGTH	.183	.086	.153	.151	.119	.205	.221	.279	.052	.040
95	FOOT BREADTH	.178	.121	.193	.194	.178	.252	.306	.328	.140	.108
96	HEAD LENGTH	.066	.051	.098	.112	.114	.100	.127	.098	.071	.039
97	HEAD BREADTH	.241	.239	.217	.204	.201	.203	.174	.132	.148	.130
98	HEAD CIRCUMFERENCE	.209	.154	.204	.217	.202	.223	.213	.174	.159	.104
104	MENTON-TOP HEAD	.038	-016	.040	.054	.045	.096	.107	.108	.045	-004
107	PRONASALE TO WALL	.171	.117	.186	.182	.169	.176	.176	.157	.176	.125
111	SAGITTAL CURVATURE	.054	.048	.067	.100	.068	.084	.083	.086	.138	.110
112	BITRAGION-CORONAL	.168	.129	.141	.138	.138	.153	.137	.103	.085	.067
115	BITRAGION BREADTH	.309	.276	.273	.263	.234	.272	.237	.204	.208	.183
121	MENTON-SELLION LTH	.107	.068	.095	.094	.077	.104	.082	.078	.105	.075
125	GRIP STRENGTH	.192	.134	.170	.169	.174	.165	.196	.178	.144	.132

ALL ENTRIES ON THIS PAGE ARE BELOW THE DIAGONAL

TABLE XXX

PARTIAL CORRELATION COEFFICIENTS

WEIGHT PARTIALED OUT ABOVE DIAGONAL***STATURE PARTIALED OUT BELOW IT

		52	53	54	55	56	59	60	61	62	63
1	AGE	.180	.144	.103	.187	.196	.005	.025	.002	-057	.045
2	WEIGHT										
3	TRICEPS SKINFOLD	.169	.063	.397	.498	.444	-062	.164	.144	-126	-210
4	SUBSCAPULAR SKINFD	.110	.181	.465	.363	.309	-063	.057	.050	-145	-173
5	SUPRAILIAC SKINFLD	.071	.069	.354	.243	.200	-052	.019	.037	-103	-209
6	MEDIAL CALF SKINFD	.128	-068	.110	.243	.201	-033	.080	.069	-076	-183
7	STATURE	-279	-091	-501	-567	-531	.154	-243	-203	.169	.262
8	STATURE, MAXIMUM	-280	-091	-502	-570	-533	.153	-245	-205	.171	.261
9	CERVICALE HEIGHT	-279	-087	-498	-567	-532	.155	-244	-202	.157	.252
10	ACROMIAL HEIGHT	-266	-040	-501	-555	-517	.160	-229	-198	.150	.199
11	SUPRASTERNALE HGHT	-284	-082	-489	-551	-511	.167	-221	-183	.166	.249
12	BUSTPOINT HEIGHT	-273	-087	-473	-530	-501	.163	-203	-170	.148	.241
13	WAIST HEIGHT	-238	-080	-469	-538	-507	.139	-246	-212	.116	.216
14	ABDOMINAL EXTEN HT	-280	-087	-472	-532	-486	.167	-212	-165	.128	.220
15	TROCHANTERIC H'GHT	-247	-067	-464	-494	-463	.173	-200	-171	.102	.225
16	BUTTOCK HEIGHT	-266	-071	-419	-491	-448	.149	-222	-179	.103	.171
17	GLUTEAL FURROW HGT	-305	-052	-406	-467	-435	.160	-189	-151	.087	.197
18	TIBIALE HEIGHT	-255	-065	-392	-472	-437	.151	-179	-132	.122	.201
19	CROTCH HEIGHT	-298	-080	-446	-505	-469	.162	-207	-167	.116	.213
20	ANKLE HEIGHT	-083	.061	-054	-157	-155	.088	-042	-032	.106	.128
21	LAT'L MALLEOLUS HT	-196	-041	-158	-198	-174	.096	-049	-039	.143	.047
22	SITTING HT,RELAXED	-124	-059	-323	-389	-372	.067	-177	-154	.161	.195
23	SITTING HEIGHT	-134	-064	-340	-404	-388	.075	-176	-153	.174	.192
24	EYE HEIGHT,SITTING	-098	-049	-302	-370	-353	.054	-186	-159	.160	.150
25	MIDSHOULDER HT,SIT	-090	.013	-290	-346	-330	.059	-146	-143	.129	.102
26	WAIST HGHT,SITTING	.081	.043	-055	-136	-147	-004	-130	-122	.022	.009
27	ELBOW REST HEIGHT	.043	-014	-085	-068	-066	-037	-075	-068	.025	-189
28	POPLITEAL HEIGHT	-273	-080	-379	-431	-388	.147	-143	-112	.161	.178
29	BUTTOCK-POPLIT'L L	-076	-094	-300	-324	-297	.049	-223	-193	-041	.090
30	BUTTOCK-KNEE LNGTH	-112	-121	-400	-408	-377	.106	-216	-178	.022	.127
31	ACROMION-RADIALE L	-208	.053	-366	-457	-417	.131	-190	-155	.136	.178
32	RADIALE-STYLION L	-176	-026	-342	-407	-363	.175	-149	-117	.140	.223
33	THUMB-TIP REACH	-216	-010	-295	-345	-325	.116	-138	-107	.159	.197
34	THUMB-TIP,EXTENDED	-156	-004	-279	-333	-306	.134	-097	-086	.135	.212
35	OVERHEAD REACH	-246	-054	-436	-491	-460	.197	-157	-119	.162	.289
36	NECK CIRCUMFERENCE	-060	.116	.073	-008	.001	.069	.109	.079	.110	.142
37	SHOULDER CIRCUMFER	-078	.266	.413	.267	.281	.071	.229	.207	.065	.352
38	CHEST CIRC AT SCYE	-012	.355	.455	.285	.256	.089	.178	.168	.030	.148
39	BUST CIRCUMFERENCE	-013	.248	.389	.245	.207	-009	.041	.034	-067	-049
40	CHEST C BELOW BUST	-036	.217	.218	.174	.160	.000	.070	.054	-016	.011
41	WAIST CIRCUMFERNCE	.125	.207	.295	.177	.150	-024	.052	.031	-073	-054
42	ABDOMINAL EXT CIRC	.323	.123	.299	.250	.203	-137	-064	-086	-214	-150
43	HIP C-7" BLW WAIST	.654	-013	.168	.177	.140	-120	-039	-054	-203	-152
44	HIP C-9" BLW WAIST	.702	-089	.092	.136	.092	-140	-088	-088	-222	-105
45	UPPER THIGH CIRCUM	.395	-119	.167	.242	.208	-148	-012	-009	-262	-204
46	KNEE CIRCUMFERENCE	.124	-181	-083	.086	.080	.034	.174	.149	.107	-097
47	CALF CIRCUM, RIGHT	-033	-184	-076	.100	.094	-044	.205	.196	.093	-042
49	ANKLE CIRCUMFERNCE	-126	-126	-185	-058	-050	.086	.219	.200	.352	.061
50	VERTICAL TRUNK CIR	.098	.111	-084	-145	-177	.060	-122	-115	.051	.051
51	VERT TRUNK CIR,SIT	.049	.089	-153	-239	-256	.068	-160	-143	.093	.088

ALL ENTRIES ON THIS PAGE ARE ABOVE THE DIAGONAL

TABLE XXX

PARTIAL CORRELATION COEFFICIENTS

WEIGHT PARTIALED OUT ABOVE DIAGONAL***STATURE PARTIALED OUT BELOW IT

		52	53	54	55	56	59	60	61	62	63
52	BUTTOCK CIRC, SIT		-031	.083	.108	.072	-107	-115	-106	-239	-123
53	SCYE CIRCUMFERENCE	.644		.501	.309	.292	.179	.267	.249	.164	-027
54	AXILLARY ARM CIRC	.742	.815		.699	.637	.046	.341	.298	-028	-079
55	BICEPS CIR,RELAX,R	.764	.746	.888		.915	.114	.488	.445	-027	-181
56	BICEPS CIR, FLEX,R	.750	.735	.865	.969		.189	.524	.499	.026	-163
59	ELBOW CIRC, FLEXED	.383	.456	.456	.507	.540		.374	.599	.304	.109
60	FOREARM CIR, RELAX	.664	.693	.759	.825	.835	.595		.814	.402	.029
61	FOREARM CIR,FLEXED	.635	.667	.726	.795	.812	.724	.923		.375	.028
62	WRIST CIRCUMFERNCE	.404	.500	.483	.501	.521	.459	.664	.640		.144
63	BIACROMIAL BREADTH	.277	.245	.314	.271	.274	.213	.324	.308	.262	
64	BIDELTOID BREADTH	.683	.674	.781	.734	.731	.407	.683	.653	.461	.550
65	CHEST BREADTH	.586	.576	.614	.599	.595	.327	.560	.530	.385	.391
66	BUSTPT-BUSTPT BRTH	.482	.456	.512	.487	.487	.284	.445	.419	.314	.166
67	WAIST BREADTH	.667	.613	.659	.636	.622	.353	.597	.565	.410	.299
68	HIP BREADTH	.821	.484	.594	.634	.612	.277	.526	.504	.299	.242
69	THIGH-THIGH BR,SIT	.870	.529	.647	.696	.673	.280	.558	.535	.286	.234
70	HUMERAL BREADTH, R	.290	.353	.337	.376	.394	.354	.518	.484	.511	.197
72	FEMORAL BREADTH, R	.328	.283	.298	.333	.339	.237	.368	.356	.360	.110
74	CHEST DEPTH	.649	.622	.692	.670	.661	.331	.567	.539	.397	.174
75	WAIST DEPTH	.704	.617	.671	.652	.642	.346	.572	.542	.388	.214
76	ABDOMINAL EXT DPTH	.777	.627	.708	.710	.692	.325	.594	.558	.368	.213
77	BUTTOCK DEPTH	.806	.597	.696	.706	.696	.359	.625	.595	.385	.211
78	THIGH CLEARANCE	.544	.438	.518	.542	.552	.311	.515	.496	.361	.156
79	SHOULDER LENGTH	.067	.005	.088	.064	.054	.063	.095	.100	.104	.544
80	NECK-BUST POINT L	.483	.441	.482	.458	.456	.206	.372	.362	.285	.173
81	STRAP LENGTH	.537	.511	.560	.536	.536	.262	.458	.447	.339	.245
82	INTERSCYE	.442	.413	.463	.443	.438	.249	.426	.414	.294	.386
83	INTERSCYE, MAXIMUM	.410	.415	.431	.398	.407	.210	.388	.377	.293	.311
84	BACK CURVATURE	.499	.489	.509	.494	.495	.248	.468	.438	.335	.253
85	WAIST BACK	-046	-036	-038	-011	-007	.015	.035	.038	.084	.017
86	ANTERIOR WAIST LTH	.212	.238	.293	.278	.279	.148	.245	.250	.204	.073
87	SLEEVE INSEAM	-154	-163	-194	-221	-206	-025	-129	-129	-052	.102
88	SPINE-TO-SCYE LGTH	.297	.304	.325	.310	.308	.178	.318	.305	.244	.303
89	SPINE-TO-ELBOW LTH	.272	.288	.282	.249	.255	.152	.294	.267	.239	.430
90	SPINE-TO-WRIST LTH	.228	.271	.232	.201	.214	.197	.284	.258	.253	.406
91	HAND LENGTH	.019	.097	.008	.035	.072	.168	.160	.160	.299	.127
92	HAND BREADTH	.178	.278	.216	.238	.269	.244	.361	.343	.487	.183
93	HAND CIRCUMFERENCE	.255	.416	.360	.368	.397	.389	.512	.514	.651	.237
94	FOOT LENGTH	.169	.170	.102	.119	.134	.196	.242	.224	.336	.172
95	FOOT BREADTH	.197	.191	.157	.175	.189	.212	.284	.273	.361	.195
96	HEAD LENGTH	.112	.085	.097	.127	.136	.124	.158	.157	.129	.111
97	HEAD BREADTH	.210	.183	.209	.203	.195	.084	.208	.196	.143	.132
98	HEAD CIRCUMFERENCE	.216	.156	.185	.199	.206	.144	.251	.235	.183	.191
104	MENTON-TOP HEAD	.052	.058	.043	.070	.078	.105	.131	.126	.087	.163
107	PRONASALE TO WALL	.191	.175	.176	.195	.195	.171	.235	.215	.165	.165
111	SAGITTAL CURVATURE	.095	.084	.092	.094	.092	.072	.113	.103	.038	.117
112	BITRAGION-CORONAL	.149	.122	.136	.160	.165	.089	.179	.178	.144	.087
115	BITRAGION BREADTH	.272	.252	.268	.279	.282	.164	.313	.295	.287	.216
121	MENTON-SELLION LTH	.114	.095	.096	.105	.124	.116	.149	.135	.127	.167
125	GRIP STRENGTH	.170	.281	.245	.256	.290	.264	.367	.367	.311	.235

TABLE XXX

PARTIAL CORRELATION COEFFICIENTS

WEIGHT PARTIALED OUT ABOVE DIAGONAL***STATURE PARTIALED OUT BELOW IT

		64	65	66	67	68	69	70	72	74	75
1	AGE	.083	.108	.035	-040	.036	.162	.021	.008	.193	.189
2	WEIGHT										
3	TRICEPS SKINFOLD	.110	-029	.011	.022	.137	.247	-176	-012	.125	.109
4	SUBSCAPULAR SKINFD	.213	.130	.125	.193	-019	.066	-267	-096	.347	.345
5	SUPRAILIAC SKINFLD	.133	.027	.150	.242	-009	.048	-169	-062	.266	.250
6	MEDIAL CALF SKINFD	-061	-102	-071	-024	.144	.225	-123	.011	-019	.012
7	STATURE	-242	-157	-148	-147	-115	-337	.280	.107	-299	-349
8	STATURE, MAXIMUM	-245	-155	-150	-145	-116	-336	.282	.112	-297	-351
9	CERVICALE HEIGHT	-252	-171	-149	-134	-126	-338	.271	.110	-279	-330
10	ACROMIAL HEIGHT	-236	-123	-131	-121	-142	-340	.265	.102	-264	-313
11	SUPRASTERNALE HGHT	-245	-161	-126	-150	-143	-358	.282	.109	-280	-335
12	BUSTPOINT HEIGHT	-231	-140	-158	-149	-135	-340	.256	.088	-297	-334
13	WAIST HEIGHT	-235	-172	-114	-159	-116	-328	.239	.088	-231	-314
14	ABDOMINAL EXTEN HT	-229	-165	-101	-129	-138	-360	.258	.098	-243	-341
15	TROCHANTERIC H'GHT	-216	-149	-103	-102	-139	-335	.199	.043	-217	-250
16	BUTTOCK HEIGHT	-205	-153	-086	-068	-193	-360	.179	.077	-191	-232
17	GLUTEAL FURROW HGT	-196	-136	-085	-066	-179	-374	.189	.060	-185	-251
18	TIBIALE HEIGHT	-158	-141	-085	-100	-132	-327	.215	.118	-195	-276
19	CROTCH HEIGHT	-221	-145	-098	-092	-186	-370	.211	.088	-214	-283
20	ANKLE HEIGHT	.016	-051	-059	.037	-048	-135	.083	.039	-023	-049
21	LAT'L MALLEOLUS HT	-124	-098	-032	-108	-142	-204	.209	.168	-083	-140
22	SITTING HT,RELAXED	-168	-108	-142	-152	.012	-128	.230	.100	-266	-290
23	SITTING HEIGHT	-180	-096	-161	-164	.015	-125	.245	.103	-280	-304
24	EYE HEIGHT,SITTING	-170	-062	-142	-192	.045	-086	.235	.143	-240	-292
25	MIDSHOULDER HT,SIT	-156	-087	-186	-078	.005	-091	.179	.034	-227	-200
26	WAIST HGHT,SITTING	-059	.003	-080	-234	.105	.089	.087	.065	-061	-093
27	ELBOW REST HEIGHT	-107	-008	-108	-068	.100	.127	.070	.070	-090	-077
28	POPLITEAL HEIGHT	-159	-158	-065	-059	-176	-354	.201	.073	-178	-232
29	BUTTOCK-POPLIT'L L	-165	-129	-080	-110	-018	-170	.078	.018	-139	-153
30	BUTTOCK-KNEE LNGTH	-216	-178	-118	-139	-018	-208	.128	.031	-206	-235
31	ACROMION-RADIALE L	-133	-064	-021	-064	-129	-300	.183	.082	-117	-169
32	RADIALE-STYLION L	-145	-107	-080	-085	-108	-292	.171	.042	-169	-220
33	THUMB-TIP REACH	-104	-173	-072	.018	-142	-296	.158	-006	-137	-127
34	THUMB-TIP,EXTENDED	-102	-024	-080	-074	-039	-177	.181	.055	-154	-208
35	OVERHEAD REACH	-153	-101	-104	-111	-109	-312	.238	.050	-254	-306
36	NECK CIRCUMFERENCE	.130	.093	-001	.118	-102	-130	.032	-036	.040	.048
37	SHOULDER CIRCUMFER	.676	.468	.157	.222	-108	-114	.012	-074	.219	.149
38	CHEST CIRC AT SCYE	.521	.477	.229	.259	-129	-096	-023	-070	.402	.243
39	BUST CIRCUMFERENCE	.332	.407	.516	.241	-170	-069	-084	-098	.710	.330
40	CHEST C BELOW BUST	.300	.449	.191	.310	-172	-116	-034	-045	.403	.297
41	WAIST CIRCUMFERNCE	.237	.261	.187	.699	-096	-033	-168	-121	.327	.622
42	ABDOMINAL EXT CIRC	.124	.162	.101	.231	.139	.259	-212	-092	.263	.397
43	HIP C-7" BLW WAIST	.050	.028	-034	.127	.515	.515	-170	-090	.044	.124
44	HIP C-9" BLW WAIST	.013	-087	-122	-040	.711	.680	-161	-059	-098	-055
45	UPPER THIGH CIRCUM	.009	-112	-065	-066	.427	.550	-210	-049	-063	-064
46	KNEE CIRCUMFERENCE	-164	-217	-165	-167	.184	.232	.066	.249	-224	-166
47	CALF CIRCUM, RIGHT	-120	-158	-149	-177	.116	.123	.034	.100	-256	-244
49	ANKLE CIRCUMFERNCE	-124	-136	-137	-148	.028	-051	.202	.173	-259	-253
50	VERTICAL TRUNK CIR	-100	-009	-071	-096	.059	.030	.110	.001	-068	-092
51	VERT TRUNK CIR,SIT	-103	-014	-075	-073	.062	-003	.171	.040	-085	-133

ALL ENTRIES ON THIS PAGE ARE ABOVE THE DIAGONAL

TABLE XXX

PARTIAL CORRELATION COEFFICIENTS

WEIGHT PARTIALED OUT ABOVE DIAGONAL***STATURE PARTIALED OUT BELOW IT

		64	65	66	67	68	69	70	72	74	75
52	BUTTOCK CIRC, SIT	-017	-022	-041	.051	.541	.620	-186	-070	-006	.160
53	SCYE CIRCUMFERENCE	.234	.162	.072	.155	-121	-107	.088	-012	.165	.146
54	AXILLARY ARM CIRC	.410	.164	.129	.150	-012	.100	-111	-102	.276	.236
55	BICEPS CIR,RELAX,R	.265	.109	.064	.065	.050	.200	-075	-063	.202	.173
56	BICEPS CIR, FLEX,R	.263	.105	.067	.040	.005	.143	-029	-044	.185	.150
59	ELBOW CIRC, FLEXED	.042	.000	.006	-000	-116	-200	.251	.089	-070	-059
60	FOREARM CIR, RELAX	.190	.075	.012	.047	-121	-117	.293	.078	-015	-004
61	FOREARM CIR,FLEXED	.167	.053	-004	.025	-109	-110	.250	.080	-025	-020
62	WRIST CIRCUMFERNCE	.028	.006	-015	-002	-184	-314	.421	.212	-064	-094
63	BIACROMIAL BREADTH	.400	.184	-070	.038	-037	-140	.148	.007	-197	-153
64	BIDELTOID BREADTH		.419	.088	.207	.015	.002	-042	-113	.099	.128
65	CHEST BREADTH	.716		.146	.173	-062	-005	-006	.049	.149	.110
66	BUSTPT-BUSTPT BRTH	.480	.465		.069	-145	-075	-014	-036	.435	.137
67	WAIST BREADTH	.659	.579	.451		-037	-052	-070	-099	.141	.318
68	HIP BREADTH	.577	.461	.331	.521		.701	-068	.014	-141	-120
69	THIGH-THIGH BR,SIT	.598	.515	.390	.547	.877		-206	-052	-040	-019
70	HUMERAL BREADTH, R	.314	.284	.238	.261	.255	.232		.301	-091	-204
72	FEMORAL BREADTH, R	.253	.307	.205	.233	.301	.298	.388		-106	-118
74	CHEST DEPTH	.608	.566	.655	.605	.475	.541	.280	.244		.331
75	WAIST DEPTH	.622	.547	.486	.691	.488	.548	.217	.242	.684	
76	ABDOMINAL EXT DPTH	.641	.572	.486	.669	.578	.657	.217	.272	.699	.856
77	BUTTOCK DEPTH	.646	.498	.429	.606	.648	.719	.237	.227	.620	.672
78	THIGH CLEARANCE	.466	.414	.300	.401	.470	.448	.267	.361	.421	.412
79	SHOULDER LENGTH	.215	.113	.027	.070	.100	.073	.068	.027	.014	.021
80	NECK-BUST POINT L	.452	.394	.461	.430	.378	.413	.184	.203	.602	.479
81	STRAP LENGTH	.540	.481	.502	.497	.413	.455	.227	.211	.634	.532
82	INTERSCYE	.607	.574	.300	.475	.323	.355	.229	.196	.444	.431
83	INTERSCYE, MAXIMUM	.509	.469	.247	.403	.333	.345	.207	.225	.360	.358
84	BACK CURVATURE	.560	.587	.318	.550	.395	.423	.201	.202	.522	.503
85	WAIST BACK	-047	-034	-037	.044	-001	.003	.051	.017	-016	-042
86	ANTERIOR WAIST LTH	.243	.248	.248	.256	.159	.183	.134	.132	.276	.237
87	SLEEVE INSEAM	-106	-161	-088	-094	-125	-178	-090	-110	-112	-133
88	SPINE-TO-SCYE LGTH	.410	.407	.194	.317	.215	.237	.221	.240	.268	.270
89	SPINE-TO-ELBOW LTH	.407	.332	.208	.272	.235	.234	.162	.134	.260	.221
90	SPINE-TO-WRIST LTH	.358	.292	.182	.257	.180	.166	.168	.108	.230	.189
91	HAND LENGTH	.070	.067	.083	.081	-017	-045	.246	.132	.077	.072
92	HAND BREADTH	.228	.202	.164	.204	.105	.116	.388	.201	.187	.162
93	HAND CIRCUMFERENCE	.332	.273	.243	.299	.156	.161	.455	.281	.261	.259
94	FOOT LENGTH	.162	.123	.122	.189	.112	.085	.236	.150	.156	.159
95	FOOT BREADTH	.201	.153	.122	.190	.148	.140	.233	.099	.106	.145
96	HEAD LENGTH	.120	.156	.149	.071	.082	.109	.108	.089	.117	.072
97	HEAD BREADTH	.203	.190	.152	.234	.151	.193	.111	.141	.208	.204
98	HEAD CIRCUMFERENCE	.223	.205	.169	.206	.169	.192	.117	.101	.176	.183
104	MENTON-TOP HEAD	.097	.098	.074	.038	.023	.047	.057	.005	.004	.032
107	PRONASALE TO WALL	.205	.167	.183	.149	.131	.150	.114	.029	.199	.142
111	SAGITTAL CURVATURE	.102	.117	.039	.062	.096	.119	.027	.016	.053	.068
112	BITRAGION-CORONAL	.156	.151	.112	.164	.096	.137	.085	.077	.145	.158
115	BITRAGION BREADTH	.298	.270	.173	.287	.205	.228	.179	.189	.248	.265
121	MENTON-SELLION LTH	.138	.129	.106	.104	.069	.106	.109	.080	.098	.109
125	GRIP STRENGTH	.277	.245	.155	.202	.116	.137	.269	.145	.166	.100

TABLE XXX

PARTIAL CORRELATION COEFFICIENTS

WEIGHT PARTIALED OUT ABOVE DIAGONAL***STATURE PARTIALED OUT BELOW IT

		76	77	78	79	80	81	82	83	84	85
1	AGE	.188	-027	-246	-036	.230	.244	.091	.058	.039	-061
2	WEIGHT										
3	TRICEPS SKINFOLD	.206	.248	-012	-162	.033	.033	-025	-053	-005	-205
4	SUBSCAPULAR SKINFD	.377	.251	-127	-154	.123	.126	.089	.018	.135	-257
5	SUPRAILIAC SKINFLD	.268	.143	.002	-152	.131	.101	.042	.014	.005	-177
6	MEDIAL CALF SKINFD	.121	.182	.073	-147	-061	-092	-105	-129	-008	-108
7	STATURE	-412	-380	.086	.270	-058	-039	-135	.081	-129	.528
8	STATURE, MAXIMUM	-413	-379	.094	.270	-056	-041	-132	.083	-127	.532
9	CERVICALE HEIGHT	-394	-371	.104	.279	-056	-060	-138	.090	-134	.558
10	ACROMIAL HEIGHT	-375	-350	.084	.156	-085	-088	-129	.072	-098	.492
11	SUPRASTERNALE HGHT	-405	-365	.102	.252	-086	-066	-145	.054	-143	.483
12	BUSTPOINT HEIGHT	-377	-339	.117	.217	-315	-306	-152	.033	-132	.441
13	WAIST HEIGHT	-345	-304	.147	.239	-084	-098	-137	.065	-144	.298
14	ABDOMINAL EXTEN HT	-405	-325	.166	.238	-114	-120	-141	.049	-128	.336
15	TROCHANTERIC H'GHT	-280	-258	.161	.233	-135	-136	-142	-018	-099	.277
16	BUTTOCK HEIGHT	-246	-248	.174	.175	-093	-095	-113	.050	-083	.249
17	GLUTEAL FURROW HGT	-280	-301	.159	.216	-108	-117	-112	.052	-101	.271
18	TIBIALE HEIGHT	-315	-264	.171	.221	-048	-078	-090	.146	-156	.253
19	CROTCH HEIGHT	-307	-297	.198	.231	-123	-142	-125	.050	-122	.283
20	ANKLE HEIGHT	-076	-090	-010	.088	.050	.009	.044	.193	-119	.120
21	LAT'L MALLEOLUS HT	-165	-192	.080	.011	-043	-006	-059	.001	-043	.174
22	SITTING HT,RELAXED	-378	-315	-063	.203	.041	.076	-101	.085	-101	.564
23	SITTING HEIGHT	-381	-309	-038	.207	.024	.064	-085	.073	-088	.614
24	EYE HEIGHT,SITTING	-334	-295	.023	.195	.058	.084	-069	.096	-074	.551
25	MIDSHOULDER HT,SIT	-284	-226	-073	.112	.027	.028	-044	.072	-040	.597
26	WAIST HGHT,SITTING	-100	-067	-019	.044	.060	.066	-034	.081	-048	-020
27	ELBOW REST HEIGHT	-096	-044	-050	-146	.049	.042	-043	.027	.005	.339
28	POPLITEAL HEIGHT	-288	-269	.180	.175	-105	-118	-111	.063	-089	.226
29	BUTTOCK-POPLIT'L L	-097	-019	.128	.090	-124	-134	-109	-002	-104	.092
30	BUTTOCK-KNEE LNGTH	-172	-035	.191	.160	-147	-174	-160	-013	-135	.169
31	ACROMION-RADIALE L	-226	-295	.091	.149	-041	-052	-101	.022	.002	.230
32	RADIALE-STYLION L	-242	-229	.117	.201	-085	-087	-104	.062	-123	.218
33	THUMB-TIP REACH	-183	-197	-012	.189	-053	-060	-011	.052	-051	.243
34	THUMB-TIP,EXTENDED	-202	-153	.065	.226	-064	-072	-087	.061	-084	.220
35	OVERHEAD REACH	-346	-301	.090	.273	-082	-081	-117	.039	-118	.388
36	NECK CIRCUMFERENCE	-035	-047	-053	-030	-002	.116	.083	.107	.056	.046
37	SHOULDER CIRCUMFER	.071	-005	-074	.165	.081	.159	.464	.243	.325	-148
38	CHEST CIRC AT SCYE	.166	.009	-163	.011	.184	.231	.381	.243	.308	-206
39	BUST CIRCUMFERENCE	.275	.047	-192	-124	.374	.388	.290	.113	.294	-217
40	CHEST C BELOW BUST	.225	-010	-154	-085	.063	.083	.244	.132	.354	-127
41	WAIST CIRCUMFERNCE	.467	.129	-196	-122	.141	.178	.186	.061	.211	-120
42	ABDOMINAL EXT CIRC	.521	.186	-182	-139	.142	.132	.109	.049	.134	-246
43	HIP C-7" BLW WAIST	.257	.382	-047	-146	-019	-022	.015	-040	.039	-185
44	HIP C-9" BLW WAIST	.064	.348	.012	-061	-022	-061	-064	-047	-057	-170
45	UPPER THIGH CIRCUM	.073	.370	.182	-124	-080	-129	-096	-102	-089	-263
46	KNEE CIRCUMFERENCE	-115	.086	.145	-049	-139	-168	-145	-105	-144	-025
47	CALF CIRCUM, RIGHT	-189	.048	.135	.008	-174	-189	-109	-131	-078	-014
49	ANKLE CIRCUMFERNCE	-272	-082	.084	.080	-123	-148	-092	-034	-098	.140
50	VERTICAL TRUNK CIR	-123	-020	-107	.032	.061	.073	-085	-020	-063	.398
51	VERT TRUNK CIR,SIT	-187	-117	-117	.070	.059	.072	-053	.049	-010	.485

ALL ENTRIES ON THIS PAGE ARE ABOVE THE DIAGONAL

TABLE XXX

PARTIAL CORRELATION COEFFICIENTS

WEIGHT PARTIALED OUT ABOVE DIAGONAL***STATURE PARTIALED OUT BELOW IT

		76	77	78	79	80	81	82	83	84	85
52	BUTTOCK CIRC, SIT	.257	.342	-090	-122	.039	.005	-028	-030	-028	-199
53	SCYE CIRCUMFERENCE	.085	.005	-065	-123	.094	.125	.059	.115	.115	-076
54	AXILLARY ARM CIRC	.241	.187	-081	-130	.096	.123	.108	.034	.095	-294
55	BICEPS CIR,RELAX,R	.223	.187	-067	-190	.031	.050	.057	-050	.045	-292
56	BICEPS CIR, FLEX,R	.177	.162	-032	-195	.033	.058	.050	-025	.053	-266
59	ELBOW CIRC, FLEXED	-154	-092	.043	.060	-056	-025	-007	.011	-046	.104
60	FOREARM CIR, RELAX	-063	.002	-003	-042	-082	-037	.050	.016	.034	-059
61	FOREARM CIR,FLEXED	-088	-008	.005	-021	-063	-017	.053	.024	.010	-039
62	WRIST CIRCUMFERNCE	-205	-174	.047	.103	-007	.017	-003	.074	.010	.183
63	BIACROMIAL BREADTH	-210	-208	-052	.577	-020	.046	.216	.201	.037	.159
64	BIDELTOID BREADTH	.080	.078	-091	.144	.079	.137	.390	.237	.220	-169
65	CHEST BREADTH	.093	-078	-043	.017	.063	.127	.364	.223	.333	-106
66	BUSTPT-BUSTPT BRTH	.091	-030	-110	-076	.233	.243	.021	-035	-005	-104
67	WAIST BREADTH	.202	.044	-143	-046	.075	.099	.170	.089	.228	-005
68	HIP BREADTH	-018	.140	-005	.007	-013	-052	-090	-022	-050	-044
69	THIGH-THIGH BR,SIT	.143	.284	-145	-101	.003	-036	-066	-067	-039	-154
70	HUMERAL BREADTH, R	-270	-232	.061	.106	-035	-011	.001	.061	-061	.199
72	FEMORAL BREADTH, R	-121	-201	.172	.017	-007	-033	-021	.066	-045	.078
74	CHEST DEPTH	.305	.104	-135	-168	.365	.338	.124	-006	.181	-159
75	WAIST DEPTH	.674	.232	-164	-172	.150	.146	.102	-019	.146	-218
76	ABDOMINAL EXT DPTH		.366	-090	-203	.087	.057	.096	-044	.124	-310
77	BUTTOCK DEPTH	.758		.041	-172	-030	-036	.007	-122	.010	-252
78	THIGH CLEARANCE	.494	.558		.009	-114	-155	-076	-015	-091	-022
79	SHOULDER LENGTH	.023	.038	.052		.167	.065	.104	.176	-119	.195
80	NECK-BUST POINT L	.468	.409	.263	.213		.848	.087	.144	-004	-013
81	STRAP LENGTH	.515	.472	.287	.123	.893		.163	.145	.070	-011
82	INTERSCYE	.451	.407	.288	.177	.334	.423		.377	.334	-006
83	INTERSCYE, MAXIMUM	.373	.331	.277	.188	.357	.383	.538		.125	.046
84	BACK CURVATURE	.517	.463	.320	-013	.301	.394	.528	.368		-014
85	WAIST BACK	-084	-053	-074	.062	.007	-003	.056	-005	.041	
86	ANTERIOR WAIST LTH	.224	.195	.125	.004	.219	.280	.151	.111	.190	.256
87	SLEEVE INSEAM	-125	-098	-058	.173	-155	-202	-067	-041	-143	-108
88	SPINE-TO-SCYE LGTH	.280	.216	.235	.148	.261	.296	.538	.458	.339	.013
89	SPINE-TO-ELBOW LTH	.235	.214	.171	.308	.190	.221	.357	.312	.319	-069
90	SPINE-TO-WRIST LTH	.195	.202	.186	.275	.121	.148	.300	.273	.265	-118
91	HAND LENGTH	.042	.010	.120	.127	.058	.035	.012	-005	.055	-028
92	HAND BREADTH	.151	.145	.188	.075	.149	.170	.144	.161	.186	.032
93	HAND CIRCUMFERENCE	.230	.231	.279	.074	.197	.238	.179	.193	.197	.060
94	FOOT LENGTH	.154	.156	.174	.138	.101	.096	.097	.097	.121	-019
95	FOOT BREADTH	.159	.185	.170	.087	.030	.065	.087	.039	.107	-001
96	HEAD LENGTH	.087	.111	.116	.063	.051	.077	.087	.034	.081	-044
97	HEAD BREADTH	.217	.149	.135	.014	.176	.196	.148	.138	.182	-050
98	HEAD CIRCUMFERENCE	.193	.233	.202	.106	.116	.156	.153	.078	.138	-032
104	MENTON-TOP HEAD	.029	.083	.031	.057	-020	.035	.076	-038	.008	-044
107	PRONASALE TO WALL	.165	.202	.139	.119	.092	.105	.127	.065	.096	-006
111	SAGITTAL CURVATURE	.074	.101	.033	.053	.054	.067	.094	.050	.033	.019
112	BITRAGION-CORONAL	.163	.159	.130	.016	.119	.138	.119	.077	.099	-011
115	BITRAGION BREADTH	.243	.197	.160	.062	.180	.222	.196	.192	.223	-044
121	MENTON-SELLION LTH	.103	.064	.046	.072	.098	.131	.096	.077	.066	-003
125	GRIP STRENGTH	.079	.168	.140	.090	.134	.174	.200	.201	.200	.062

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PARTIAL CORRELATION COEFFICIENTS

WEIGHT PARTIALED OUT ABOVE DIAGONAL***STATURE PARTIALED OUT BELOW IT

		86	87	88	89	90	91	92	93	94	95
1	AGE	-064	-158	.062	.001	-061	-006	.053	.032	-069	-090
2	WEIGHT										
3	TRICEPS SKINFOLD	-078	-296	-100	-245	-310	-300	-263	-202	-365	-243
4	SUBSCAPULAR SKINFD	-085	-308	-060	-269	-321	-309	-253	-217	-351	-239
5	SUPRAILIAC SKINFLD	-013	-254	-023	-228	-276	-231	-215	-169	-281	-217
6	MEDIAL CALF SKINFD	-031	-181	-135	-220	-256	-240	-176	-164	-257	-130
7	STATURE	.283	.683	.040	.541	.654	.508	.205	.138	.577	.188
8	STATURE, MAXIMUM	.283	.685	.042	.542	.657	.512	.207	.140	.583	.187
9	CERVICALE HEIGHT	.253	.710	.033	.536	.666	.511	.197	.131	.582	.173
10	ACROMIAL HEIGHT	.247	.678	.036	.508	.646	.495	.192	.131	.561	.173
11	SUPRASTERNALE HGHT	.311	.699	.019	.527	.661	.515	.194	.139	.578	.182
12	BUSTPOINT HEIGHT	.258	.693	.002	.501	.644	.481	.177	.123	.539	.198
13	WAIST HEIGHT	-014	.714	.019	.529	.669	.514	.169	.100	.571	.183
14	ABDOMINAL EXTEN HT	.093	.723	.021	.533	.678	.527	.186	.121	.568	.182
15	TROCHANTERIC H'GHT	.073	.717	-033	.504	.658	.515	.169	.094	.554	.200
16	BUTTOCK HEIGHT	.089	.698	.015	.477	.635	.482	.149	.098	.524	.143
17	GLUTEAL FURROW HGT	.088	.719	.014	.503	.653	.472	.147	.086	.519	.164
18	TIBIALE HEIGHT	.087	.704	.058	.466	.630	.406	.173	.127	.513	.157
19	CROTCH HEIGHT	.084	.753	.006	.518	.684	.504	.181	.111	.573	.171
20	ANKLE HEIGHT	.061	.356	.049	.176	.266	.002	.102	.083	.224	.125
21	LAT'L MALLEOLUS HT	.104	.167	.042	.148	.167	.240	.121	.122	.176	.065
22	SITTING HT,RELAXED	.393	.286	.056	.312	.312	.278	.142	.096	.331	.093
23	SITTING HEIGHT	.398	.298	.048	.312	.316	.284	.149	.106	.349	.101
24	EYE HEIGHT,SITTING	.379	.230	.065	.276	.265	.256	.130	.082	.288	.052
25	MIDSHOULDER HT,SIT	.347	.231	.058	.222	.241	.212	.114	.088	.270	.075
26	WAIST HGHT,SITTING	-072	.045	.017	.097	.076	.057	.002	-032	.093	-016
27	ELBOW REST HEIGHT	.284	-269	.036	-219	-252	-054	-003	.007	-053	-059
28	POPLITEAL HEIGHT	.088	.596	.048	.431	.574	.484	.219	.159	.504	.159
29	BUTTOCK-POPLIT'L L	-013	.512	-048	.315	.434	.303	.037	-022	.332	.087
30	BUTTOCK-KNEE LNGTH	.016	.646	-063	.412	.550	.374	.084	.029	.440	.133
31	ACROMION-RADIALE L	.068	.702	-014	.626	.701	.487	.178	.116	.457	.125
32	RADIALE-STYLION L	.051	.766	-014	.439	.680	.372	.179	.139	.498	.194
33	THUMB-TIP REACH	.065	.642	.070	.475	.597	.429	.212	.167	.478	.189
34	THUMB-TIP,EXTENDED	.064	.590	-008	.414	.537	.351	.160	.095	.408	.180
35	OVERHEAD REACH	.186	.728	-014	.545	.680	.471	.191	.128	.549	.225
36	NECK CIRCUMFERENCE	.006	.058	.012	.029	.077	-047	.165	.090	.039	.049
37	SHOULDER CIRCUMFER	.009	-153	.263	.128	.038	-061	.013	.023	-176	-080
38	CHEST CIRC AT SCYE	-003	-231	.241	.004	-073	-154	-015	.046	-204	-106
39	BUST CIRCUMFERENCE	.056	-275	.144	-113	-181	-208	-085	-055	-253	-196
40	CHEST C BELOW BUST	.042	-215	.129	-060	-110	-140	-030	-023	-188	-119
41	WAIST CIRCUMFERNCE	.019	-215	.023	-185	-209	-191	-139	-081	-207	-124
42	ABDOMINAL EXT CIRC	-109	-307	-009	-220	-293	-286	-177	-207	-334	-205
43	HIP C-7" BLW WAIST	-141	-247	-076	-238	-270	-266	-218	-223	-273	-132
44	HIP C-9" BLW WAIST	-179	-225	-108	-209	-257	-282	-225	-240	-253	-119
45	UPPER THIGH CIRCUM	-194	-294	-110	-299	-344	-319	-227	-216	-347	-150
46	KNEE CIRCUMFERENCE	-071	-074	-083	-145	-142	-098	-033	.015	-029	.063
47	CALF CIRCUM, RIGHT	-079	-123	-096	-124	-164	-090	.012	.034	-048	.137
49	ANKLE CIRCUMFERNCE	.036	.036	-032	-009	.001	.066	.174	.221	.190	.243
50	VERTICAL TRUNK CIR	.357	.051	-031	.053	.058	.053	.009	.049	.106	.024
51	VERT TRUNK CIR,SIT	.324	.143	.020	.156	.163	.136	.048	.061	.197	.042

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TABLE XXX

PARTIAL CORRELATION COEFFICIENTS

WEIGHT PARTIALED OUT ABOVE DIAGONAL***STATURE PARTIALED OUT BELOW IT

		86	87	88	89	90	91	92	93	94	95
52	BUTTOCK CIRC, SIT	-175	-225	-065	-202	-245	-261	-206	-241	-231	-126
53	SCYE CIRCUMFERENCE	.013	-121	.059	.006	.003	-010	.094	.200	-054	-015
54	AXILLARY ARM CIRC	-059	-425	.020	-271	-349	-353	-129	-003	-417	-193
55	BICEPS CIR,RELAX,R	-111	-501	-023	-367	-443	-353	-117	-013	-442	-188
56	BICEPS CIR, FLEX,R	-096	-459	-019	-335	-399	-280	-053	.049	-397	-154
59	ELBOW CIRC, FLEXED	.062	.140	.024	.082	.156	.199	.165	.277	.173	.136
60	FOREARM CIR, RELAX	-042	-180	.047	-092	-097	-004	.183	.324	-064	.083
61	FOREARM CIR,FLEXED	-010	-157	.045	-093	-093	.014	.164	.334	-057	.081
62	WRIST CIRCUMFERNCE	.107	.139	.072	.154	.199	.338	.438	.582	.305	.296
63	BIACROMIAL BREADTH	.051	.294	.211	.433	.421	.218	.148	.156	.232	.163
64	BIDELTOID BREADTH	-041	-152	.207	.072	-001	-128	-032	.018	-168	-048
65	CHEST BREADTH	.028	-167	.231	.042	-005	-076	-011	-002	-130	-059
66	BUSTPT-BUSTPT BRTH	.060	-104	-019	-061	-084	-044	-021	.012	-097	-059
67	WAIST BREADTH	.024	-083	.077	-047	-051	-059	-029	.006	-064	-029
68	HIP BREADTH	-109	-095	-080	-077	-118	-167	-170	-212	-139	-084
69	THIGH-THIGH BR,SIT	-166	-299	-093	-227	-306	-332	-233	-286	-325	-166
70	HUMERAL BREADTH, R	.106	.165	.107	.185	.230	.331	.357	.383	.291	.196
72	FEMORAL BREADTH, R	.054	.031	.122	.063	.065	.144	.126	.169	.116	.021
74	CHEST DEPTH	.002	-205	-016	-152	-187	-144	-092	-085	-197	-187
75	WAIST DEPTH	-071	-260	-017	-232	-269	-176	-142	-099	-223	-141
76	ABDOMINAL EXT DPTH	-134	-286	-039	-278	-329	-256	-206	-200	-286	-162
77	BUTTOCK DEPTH	-174	-231	-152	-295	-301	-287	-214	-199	-267	-116
78	THIGH CLEARANCE	-047	.093	.015	.001	.056	.112	.036	.064	.080	.026
79	SHOULDER LENGTH	.053	.319	.127	.383	.365	.235	.102	.074	.249	.111
80	NECK-BUST POINT L	.064	-106	.088	-016	-070	-020	-007	-013	-054	-137
81	STRAP LENGTH	.124	-131	.107	.001	-055	-043	-002	.005	-068	-121
82	INTERSCYE	-037	-084	.431	.116	.046	-105	-027	-044	-101	-081
83	INTERSCYE, MAXIMUM	-000	.079	.355	.202	.175	-005	.056	.032	.038	-075
84	BACK CURVATURE	-008	-139	.166	.066	.006	-065	.005	-052	-090	-078
85	WAIST BACK	.372	.291	.039	.238	.270	.249	.140	.134	.294	.103
86	ANTERIOR WAIST LTH		.065	.010	.066	.074	.066	.043	.072	.065	-025
87	SLEEVE INSEAM	-216		-012	.624	.796	.411	.156	.085	.516	.206
88	SPINE-TO-SCYE LGTH	.101	-103		.407	.300	.032	.077	.090	.017	-047
89	SPINE-TO-ELBOW LTH	-002	.337	.523		.904	.361	.188	.122	.383	.131
90	SPINE-TO-WRIST LTH	-057	.555	.428	.877		.448	.238	.174	.506	.202
91	HAND LENGTH	-064	.085	.046	.143	.196		.390	.363	.652	.270
92	HAND BREADTH	.064	-019	.161	.176	.210	.350		.671	.346	.338
93	HAND CIRCUMFERENCE	.140	-068	.210	.178	.211	.352	.694		.292	.363
94	FOOT LENGTH	-051	.163	.076	.173	.262	.516	.330	.325		.398
95	FOOT BREADTH	-004	.065	.042	.118	.174	.223	.361	.408	.399	
96	HEAD LENGTH	-023	-045	.095	.091	.092	.164	.137	.135	.160	.098
97	HEAD BREADTH	.014	-087	.154	.130	.100	.064	.195	.148	.129	.086
98	HEAD CIRCUMFERENCE	.009	.022	.110	.146	.175	.153	.185	.176	.249	.180
104	MENTON-TOP HEAD	.006	.009	.026	.059	.086	.125	.108	.093	.177	.176
107	PRONASALE TO WALL	.005	.082	.064	.130	.175	.152	.109	.136	.210	.176
111	SAGITTAL CURVATURE	-016	.010	.038	.062	.069	-037	.132	.058	.070	.101
112	BITRAGION-CORONAL	-015	-036	.072	.082	.076	.116	.078	.114	.158	.130
115	BITRAGION BREADTH	.026	-051	.177	.190	.182	.118	.209	.240	.155	.115
121	MENTON-SELLION LTH	.008	-056	.098	.093	.100	.142	.144	.136	.162	.134
125	GRIP STRENGTH	.078	.004	.218	.214	.219	.168	.327	.368	.171	.120

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PARTIAL CORRELATION COEFFICIENTS

WEIGHT PARTIALED OUT ABOVE DIAGONAL***STATURE PARTIALED OUT BELOW IT

		96	97	98	104	107	111	112	115	121	125
1	AGE	.054	.135	.005	.004	.076	.097	.031	.040	-023	.062
2	WEIGHT										
3	TRICEPS SKINFOLD	-161	-022	-182	-168	-141	-012	-190	-159	-137	-231
4	SUBSCAPULAR SKINFD	-191	-039	-170	-182	-117	.079	-175	-154	-135	-227
5	SUPRAILIAC SKINFLD	-162	-035	-185	-195	-132	.030	-260	-238	-152	-264
6	MEDIAL CALF SKINFD	-084	-016	-097	-095	-089	-016	-077	-132	-111	-172
7	STATURE	.194	-023	.150	.263	.121	-024	.146	-073	.049	-112
8	STATURE, MAXIMUM	.198	-022	.155	.261	.123	-022	.147	-073	.052	-109
9	CERVICALE HEIGHT	.168	-044	.118	.208	.130	.010	.101	-096	.032	-120
10	ACROMIAL HEIGHT	.164	-033	.116	.205	.124	.019	.094	-092	.037	-125
11	SUPRASTERNALE HGHT	.175	-054	.126	.230	.127	.005	.096	-095	.042	-117
12	BUSTPOINT HEIGHT	.171	-056	.123	.215	.133	.016	.102	-056	.050	-077
13	WAIST HEIGHT	.176	-026	.133	.200	.140	.032	.081	-075	.041	-089
14	ABDOMINAL EXTEN HT	.177	-040	.129	.214	.141	.029	.076	-071	.054	-065
15	TROCHANTERIC H'GHT	.174	-044	.163	.222	.160	.063	.071	-066	.070	-057
16	BUTTOCK HEIGHT	.152	-035	.108	.157	.108	.029	.027	-104	.047	-082
17	GLUTEAL FURROW HGT	.147	-021	.121	.163	.140	.054	.070	-065	.029	-076
18	TIBIALE HEIGHT	.120	-020	.104	.161	.138	.056	.086	-055	.001	-050
19	CROTCH HEIGHT	.173	-042	.147	.198	.143	.050	.076	-083	.061	-066
20	ANKLE HEIGHT	-017	-047	.035	.065	.105	.069	.153	-009	-038	.040
21	LAT'L MALLEOLUS HT	.084	.018	.019	.082	.006	-059	.007	-081	-031	-054
22	SITTING HT,RELAXED	.154	-002	.111	.222	.055	-080	.188	-022	.030	-115
23	SITTING HEIGHT	.154	-005	.125	.224	.068	-071	.198	-029	.033	-129
24	EYE HEIGHT,SITTING	.109	-031	.040	.092	.048	-053	.093	-064	.023	-134
25	MIDSHOULDER HT,SIT	.069	-018	.051	.110	.059	-013	.121	-047	.001	-147
26	WAIST HGHT,SITTING	.026	-008	-025	.004	-010	-028	.031	-048	-048	-138
27	ELBOW REST HEIGHT	-009	-010	-049	-039	-080	-089	.027	-045	-020	-113
28	POPLITEAL HEIGHT	.159	-023	.101	.148	.101	.032	-000	-112	.044	-058
29	BUTTOCK-POPLIT'L L	.098	-066	.086	.119	.109	.094	-001	-140	.025	-100
30	BUTTOCK-KNEE LNGTH	.124	-089	.098	.148	.131	.097	-020	-214	.028	-160
31	ACROMION-RADIALE L	.156	-022	.115	.150	.100	.033	.026	-083	.036	-066
32	RADIALE-STYLION L	.119	-018	.169	.206	.173	.085	.124	-059	.065	.002
33	THUMB-TIP REACH	.103	.014	.120	.201	.143	.078	.036	-075	.032	-050
34	THUMB-TIP,EXTENDED	.135	-043	.168	.155	.156	.082	.119	-048	.054	-049
35	OVERHEAD REACH	.157	-031	.166	.234	.168	.055	.112	-067	.060	-055
36	NECK CIRCUMFERENCE	.003	.140	.135	.100	.081	.095	.175	-218	-050	-209
37	SHOULDER CIRCUMFER	-012	.019	-012	-040	-007	.175	-122	-239	-116	-340
38	CHEST CIRC AT SCYE	-064	.014	-075	-091	.000	.188	-097	-243	-145	-296
39	BUST CIRCUMFERENCE	-068	.042	-089	-144	-021	.167	-157	-278	-144	-317
40	CHEST C BELOW BUST	-061	.057	-080	-103	-049	.128	-148	-195	-157	-316
41	WAIST CIRCUMFERNCE	-188	.052	-098	-165	-092	.154	-227	-249	-145	-362
42	ABDOMINAL EXT CIRC	-201	.057	-175	-243	-168	.044	-220	-262	-210	-379
43	HIP C-7" BLW WAIST	-165	-021	-150	-186	-096	.127	-258	-421	-211	-511
44	HIP C-9" BLW WAIST	-125	-042	-109	-145	-095	.082	-177	-382	-207	-503
45	UPPER THIGH CIRCUM	-128	-030	-135	-178	-115	.080	-228	-349	-179	-443
46	KNEE CIRCUMFERENCE	-071	.002	-016	-002	-034	.051	-121	-244	-094	-322
47	CALF CIRCUM, RIGHT	-031	-020	-021	-005	-025	.028	-110	-218	-080	-285
49	ANKLE CIRCUMFERNCE	.026	-001	.044	.078	.048	.026	-004	-105	-020	-162
50	VERTICAL TRUNK CIR	.018	-048	.009	.069	.060	.047	.065	-200	-066	-278
51	VERT TRUNK CIR,SIT	.030	-041	-001	.062	.038	.017	.068	-166	-065	-241

ALL ENTRIES ON THIS PAGE ARE ABOVE THE DIAGONAL

TABLE XXX

PARTIAL CORRELATION COEFFICIENTS

WEIGHT PARTIALED OUT ABOVE DIAGONAL***STATURE PARTIALED OUT BELOW IT

		96	97	98	104	107	111	112	115	121	125
52	BUTTOCK CIRC, SIT	-135	-042	-127	-158	-088	.117	-206	-420	-201	-529
53	SCYE CIRCUMFERENCE	-074	-011	-095	-050	-015	.123	-097	-240	-088	-287
54	AXILLARY ARM CIRC	-169	-005	-167	-201	-106	.113	-185	-300	-187	-348
55	BICEPS CIR,RELAX,R	-140	-025	-166	-180	-092	.104	-202	-291	-159	-339
56	BICEPS CIR, FLEX,R	-116	-036	-146	-155	-084	.095	-197	-302	-133	-326
59	ELBOW CIRC, FLEXED	.082	-043	.039	.103	.088	.102	.006	-137	.026	-102
60	FOREARM CIR, RELAX	-008	.006	.003	.013	.041	.164	-099	-229	-052	-305
61	FOREARM CIR,FLEXED	.004	.002	-002	.017	.024	.148	-094	-221	-052	-280
62	WRIST CIRCUMFERNCE	.079	.001	.062	.081	.063	.099	-051	-103	.024	-127
63	BIACROMIAL BREADTH	.107	.042	.141	.197	.120	.075	.093	-019	.019	-055
64	BIDELTOID BREADTH	-066	.003	-038	-039	-005	.155	-113	-228	-104	-291
65	CHEST BREADTH	.026	.024	-006	-004	-014	.105	-039	-102	-048	-249
66	BUSTPT-BUSTPT BRTH	.035	.008	-014	-021	.038	.100	-106	-195	-041	-157
67	WAIST BREADTH	-107	.067	-029	-093	-062	.107	-138	-183	-115	-294
68	HIP BREADTH	-084	-058	-078	-105	-084	.001	-082	-241	-147	-317
69	THIGH-THIGH BR,SIT	-103	-015	-106	-142	-109	.003	-100	-271	-151	-348
70	HUMERAL BREADTH, R	.100	.008	.053	.092	.059	.062	-006	-142	-016	-158
72	FEMORAL BREADTH, R	.047	.044	.006	-008	-058	-012	-046	-082	-016	-140
74	CHEST DEPTH	-072	.025	-103	-183	-010	.153	-177	-229	-099	-261
75	WAIST DEPTH	-149	.018	-102	-157	-104	.086	-164	-250	-120	-286
76	ABDOMINAL EXT DPTH	-160	.016	-128	-194	-103	.097	-192	-335	-135	-355
77	BUTTOCK DEPTH	-117	-100	-060	-102	-040	.121	-147	-327	-110	-310
78	THIGH CLEARANCE	.029	-041	.042	-020	-007	.025	-101	-238	-024	-219
79	SHOULDER LENGTH	.097	-018	.117	.115	.127	.069	.073	.015	.015	-036
80	NECK-BUST POINT L	-055	.049	-050	-099	-049	.007	-063	-161	-088	-190
81	STRAP LENGTH	-037	.052	-026	-042	-056	.005	-065	-179	-083	-213
82	INTERSCYE	-027	.018	-014	-010	-014	.079	-026	-122	-082	-127
83	INTERSCYE, MAXIMUM	-032	.019	-049	-071	-043	.039	-030	-094	-115	-168
84	BACK CURVATURE	-045	.042	-054	-096	-072	.035	-115	-137	-106	-223
85	WAIST BACK	.068	-051	.056	.104	.063	-010	.096	-025	.023	-064
86	ANTERIOR WAIST LTH	-016	-069	-032	.052	-031	-053	-029	-089	-037	-145
87	SLEEVE INSEAM	.118	-052	.151	.197	.172	.068	.128	-011	.046	.004
88	SPINE-TO-SCYE LGTH	.045	.068	.016	-001	-019	.018	-026	-059	-046	-115
89	SPINE-TO-ELBOW LTH	.136	.028	.129	.164	.111	.057	.078	-050	.014	-099
90	SPINE-TO-WRIST LTH	.161	.005	.173	.215	.163	.094	.105	-059	.047	-063
91	HAND LENGTH	.227	.024	.189	.230	.176	.086	.026	-084	.105	-044
92	HAND BREADTH	.132	.126	.144	.133	.069	.040	.112	-191	.001	-105
93	HAND CIRCUMFERENCE	.103	.052	.095	.092	.065	.086	.004	-080	.029	-097
94	FOOT LENGTH	.214	.047	.245	.277	.203	.098	.106	-039	.123	-045
95	FOOT BREADTH	.092	.016	.140	.197	.141	.092	.081	.027	.113	-002
96	HEAD LENGTH		.030	.653	.341	.532	.319	.399	-063	.195	-008
97	HEAD BREADTH	.077		.358	.094	-025	-002	.158	.191	-056	-117
98	HEAD CIRCUMFERENCE	.656	.412		.404	.415	.246	.541	.071	.135	-041
104	MENTON-TOP HEAD	.318	.126	.393		.228	-078	.354	.003	.340	.041
107	PRONASALE TO WALL	.540	.042	.445	.222		.766	.218	-065	.118	.031
111	SAGITTAL CURVATURE	.401	.204	.554	.343	.240		-078	-012	.047	-094
112	BITRAGION-CORONAL	.209	.403	.504	.350	.140	.044		.175	.142	-066
115	BITRAGION BREADTH	.093	.576	.362	.120	.104	.103	.159		-058	-040
121	MENTON-SELLION LTH	.247	.145	.203	.356	.200	-037	.110	.017		.022
125	GRIP STRENGTH	.088	.065	.091	.071	.107	.088	.086	.066	.034	

TABLE XXXI

TWO AND THREE STEP PARTIAL CORRELATION COEFFICIENTS

WEIGHT-STATURE PARTIALED OUT ABOVE DIAGONAL**WEIGHT-STATURE-AGE BELOW IT

		1	2	3	4	5	6	7	8	9	10
1	AGE				-013	.009	-187	-133		-041	-044	.037
2	WEIGHT										
3	TRICEPS SKINFOLD					.310	.319	.346		-004	.015	-034
4	SUBSCAPULAR SKINFD				.310		.420	.081		-038	.036	.010
5	SUPRAILIAC SKINFLD				.323	.429		.156		-023	.080	-012
6	MEDIAL CALF SKINFD				.348	.083	.134			-033	.001	-005
7	STATURE										
8	STATURE, MAXIMUM				-005	-038	-031	-039			.251	.183
9	CERVICALE HEIGHT				.014	.037	.073	-005		.250		.450
10	ACROMIAL HEIGHT				-034	.010	-006	-000		.185	.452	
11	SUPRASTERNALE HGHT				.011	.031	.026	-007		.231	.427	.509
12	BUSTPOINT HEIGHT				-016	.007	-054	.023		.090	.283	.474
13	WAIST HEIGHT				-006	.043	.038	-034		.162	.394	.375
14	ABDOMINAL EXTEN HT				-021	-018	.002	-023		.136	.382	.355
15	TROCHANTERIC H'GHT				-047	.011	-037	-024		.111	.298	.338
16	BUTTOCK HEIGHT				.022	.099	.094	.016		.088	.331	.317
17	GLUTEAL FURROW HGT				.030	.078	.080	.009		.026	.291	.270
18	TIBIALE HEIGHT				-007	.022	.034	-046		.093	.355	.258
19	CROTCH HEIGHT				-030	.033	.029	-017		.187	.421	.366
20	ANKLE HEIGHT				-038	.071	.011	-075		.021	.144	.080
21	LAT'L MALLEOLUS HT				.054	.029	.041	.038		-003	.010	.016
22	SITTING HT,RELAXED				.013	-032	-030	.003		.064	-231	-244
23	SITTING HEIGHT				.006	-050	-053	.008		.102	-245	-253
24	EYE HEIGHT,SITTING				.028	-056	-015	.019		.099	-161	-202
25	MIDSHOULDER HT,SIT				.008	-002	-050	.006		.086	.006	.138
26	WAIST HGHT,SITTING				.093	.080	.036	.032		.077	-004	-007
27	ELBOW REST HEIGHT				.057	-003	.022	.055		.025	-070	.078
28	POPLITEAL HEIGHT				-053	-006	.054	-037		.084	.236	.216
29	BUTTOCK-POPLIT'L L				.013	.013	.014	.003		.053	.191	.177
30	BUTTOCK-KNEE LNGTH				.026	-006	-022	.047		.061	.255	.236
31	ACROMION-RADIALE L				-056	-020	-008	-068		.084	.165	.281
32	RADIALE-STYLION L				-078	-033	-085	-107		.092	.233	.181
33	THUMB-TIP REACH				-057	-047	-033	-060		.031	.177	.150
34	THUMB-TIP,EXTENDED				-090	-026	-120	-052		.044	.105	.110
35	OVERHEAD REACH				-116	-084	-096	-037		.087	.197	.272
36	NECK CIRCUMFERENCE				-063	.065	-036	-052		-028	-040	-062
37	SHOULDER CIRCUMFER				-014	.161	.065	-168		-004	-087	-054
38	CHEST CIRC AT SCYE				-051	.234	.140	-138		-028	-089	-014
39	BUST CIRCUMFERENCE				-020	.255	.233	-116		-023	-046	.037
40	CHEST C BELOW BUST				-064	.161	.113	-121		.004	-049	.082
41	WAIST CIRCUMFERNCE				-011	.288	.293	-092		-063	.015	.042
42	ABDOMINAL EXT CIRC				.131	.253	.256	.038		-093	-097	-051
43	HIP C-7" BLW WAIST				.129	.082	.081	.070		-135	-148	-096
44	HIP C-9" BLW WAIST				.136	-051	-011	.126		-029	-065	-090
45	UPPER THIGH CIRCUM				.179	-071	.041	.152		-065	-060	-088
46	KNEE CIRCUMFERENCE				.136	-171	-125	.274		-026	-040	-079
47	CALF CIRCUM, RIGHT				.004	-263	-236	.211		-056	-128	-139
49	ANKLE CIRCUMFERNCE				-036	-238	-216	.134		-019	-064	-081
50	VERTICAL TRUNK CIR				.024	.027	-059	.041		.023	-037	.110
51	VERT TRUNK CIR,SIT				.029	.056	-006	.019		.075	.013	.140

TABLE XXXI

TWO AND THREE STEP PARTIAL CORRELATION COEFFICIENTS

WEIGHT-STATURE PARTIALED OUT ABOVE DIAGONAL**WEIGHT-STATURE-AGE BELOW IT

		1	2	3	4	5	6	7	8	9	10
52	BUTTOCK CIRC, SIT			.081	-011	.014	.094		-017	-032	-017
53	SCYE CIRCUMFERENCE			.035	.159	.071	-074		.006	.013	.135
54	AXILLARY ARM CIRC			.271	.323	.261	.008		-028	-055	-102
55	BICEPS CIR,RELAX,R			.392	.167	.123	.171		-057	-081	-081
56	BICEPS CIR, FLEX,R			.329	.111	.081	.127		-052	-081	-067
59	ELBOW CIRC, FLEXED			-007	.002	-001	.004		-008	.025	.045
60	FOREARM CIR, RELAX			.085	-052	-061	.028		-036	-036	-000
61	FOREARM CIR,FLEXED			.077	-040	-031	.023		-029	-022	-020
62	WRIST CIRCUMFERNCE			-072	-082	-063	-046		.029	-028	-029
63	BIACROMIAL BREADTH			-128	-072	-129	-125		.005	-004	-151
64	BIDELTOID BREADTH			.026	.125	.077	-114		-044	-069	-026
65	CHEST BREADTH			-092	.070	-005	-131		.025	-072	.071
66	BUSTPT-BUSTPT BRTH			-045	.070	.118	-106		-032	-023	.025
67	WAIST BREADTH			-035	.146	.202	-067		.030	.032	.056
68	HIP BREADTH			.104	-075	-042	.127		-024	-057	-101
69	THIGH-THIGH BR,SIT			.147	-091	-037	.186		.015	-042	-078
70	HUMERAL BREADTH, R			-084	-171	-084	-059		.050	.003	.004
72	FEMORAL BREADTH, R			.028	-056	-029	.039		.075	.029	.005
74	CHEST DEPTH			.023	.258	.231	-071		.030	.054	.052
75	WAIST DEPTH			-016	.235	.198	-050		-035	.040	.042
76	ABDOMINAL EXT DPTH			.072	.248	.200	.057		-020	.030	.039
77	BUTTOCK DEPTH			.129	.109	.018	.101		-011	-019	.026
78	THIGH CLEARANCE			.018	-101	-016	.065		.092	.074	.016
79	SHOULDER LENGTH			-073	-046	-079	-095		.015	.071	-306
80	NECK-BUST POINT L			.017	.110	.169	-047		.027	.010	-102
81	STRAP LENGTH			.024	.122	.146	-074		-020	-079	-167
82	INTERSCYE			-078	.035	.016	-130		.028	-027	-010
83	INTERSCYE, MAXIMUM			-025	.057	.054	-106		.024	.047	-016
84	BACK CURVATURE			-056	.089	-033	-035		.031	-033	.071
85	WAIST BACK			-021	-044	-021	.009		.082	.218	-017
86	ANTERIOR WAIST LTH			.025	.040	.076	.029		.002	-092	-062
87	SLEEVE INSEAM			-078	-030	-090	-059		.051	.263	.148
88	SPINE-TO-SCYE LGTH			-092	-048	.001	-122		.031	-017	-007
89	SPINE-TO-ELBOW LTH			-065	-054	-068	-115		.054	.062	-008
90	SPINE-TO-WRIST LTH			-107	-066	-107	-151		.087	.173	.116
91	HAND LENGTH			-146	-122	-084	-147		.090	.089	.053
92	HAND BREADTH			-207	-189	-153	-128		.040	-004	-006
93	HAND CIRCUMFERENCE			-165	-177	-129	-134		.037	-005	.003
94	FOOT LENGTH			-208	-146	-140	-166		.121	.113	.064
95	FOOT BREADTH			-193	-180	-189	-103		-014	-040	-010
96	HEAD LENGTH			-100	-124	-098	-034		.060	-077	-061
97	HEAD BREADTH			-031	-055	-019	-004		.012	-083	-039
98	HEAD CIRCUMFERENCE			-139	-120	-147	-064		.073	-109	-077
104	MENTON-TOP HEAD			-081	-081	-121	-036		-015	-190	-133
107	PRONASALE TO WALL			-105	-075	-086	-053		.034	.054	.026
111	SAGITTAL CURVATURE			-021	.076	.043	-009		.026	.136	.119
112	BITRAGION-CORONAL			-149	-127	-225	-041		.027	-159	-132
115	BITRAGION BREADTH			-199	-205	-273	-150		.007	-097	-071
121	MENTON-SELLION LTH			-128	-126	-150	-106		.031	-063	-029
125	GRIP STRENGTH			-292	-306	-312	-199		.044	-043	-059

ALL ENTRIES ON THIS PAGE ARE BELOW THE DIAGONAL

TABLE XXXI

TWO AND THREE STEP PARTIAL CORRELATION COEFFICIENTS

WEIGHT-STATURE PARTIALED OUT ABOVE DIAGONAL**WEIGHT-STATURE-AGE BELOW IT

		11	12	13	14	15	16	17	18	19	20
1	AGE	-038	-158	-020	-125	-064	-155	-128	-063	-176	.033
2	WEIGHT										
3	TRICEPS SKINFOLD	.012	-014	-006	-019	-046	.024	.032	-006	-027	-038
4	SUBSCAPULAR SKINFD	.031	.006	.043	-019	.010	.097	.077	.021	.031	.071
5	SUPRAILIAC SKINFLD	.033	-023	.041	.025	-025	.120	.102	.045	.061	.004
6	MEDIAL CALF SKINFD	-002	.043	-031	-006	-015	.036	.026	-037	.007	-079
7	STATURE										
8	STATURE, MAXIMUM	.232	.096	.163	.140	.113	.093	.031	.095	.191	.019
9	CERVICALE HEIGHT	.428	.286	.394	.384	.300	.333	.294	.357	.422	.142
10	ACROMIAL HEIGHT	.507	.462	.374	.347	.335	.307	.263	.255	.353	.082
11	SUPRASTERNALE HGHT		.495	.446	.454	.378	.357	.291	.316	.457	.085
12	BUSTPOINT HEIGHT	.496		.338	.364	.342	.301	.327	.245	.375	.045
13	WAIST HEIGHT	.445	.339		.719	.555	.534	.491	.450	.624	.089
14	ABDOMINAL EXTEN HT	.453	.351	.722		.575	.582	.525	.475	.672	.013
15	TROCHANTERIC H'GHT	.376	.337	.554	.573		.583	.541	.356	.645	-011
16	BUTTOCK HEIGHT	.355	.283	.537	.574	.581		.633	.467	.670	.089
17	GLUTEAL FURROW HGT	.289	.313	.492	.517	.538	.626		.459	.615	.102
18	TIBIALE HEIGHT	.314	.238	.450	.472	.354	.463	.455		.535	.343
19	CROTCH HEIGHT	.458	.357	.631	.665	.646	.661	.607	.533		.106
20	ANKLE HEIGHT	.086	.051	.090	.017	-009	.095	.107	.346	.114	
21	LAT'L MALLEOLUS HT	.034	-003	.050	.068	.034	.075	.024	.085	.022	.100
22	SITTING HT,RELAXED	-255	-269	-472	-547	-531	-579	-592	-427	-631	-049
23	SITTING HEIGHT	-276	-290	-517	-592	-562	-625	-631	-477	-672	-063
24	EYE HEIGHT,SITTING	-205	-237	-410	-484	-488	-525	-537	-379	-563	-079
25	MIDSHOULDER HT,SIT	-106	-095	-351	-427	-391	-455	-457	-348	-516	-014
26	WAIST HGHT,SITTING	-044	-062	.126	-097	-130	-165	-188	-140	-234	-010
27	ELBOW REST HEIGHT	-126	-113	-357	-410	-428	-421	-459	-327	-512	-073
28	POPLITEAL HEIGHT	.252	.198	.352	.407	.358	.441	.351	.383	.454	.052
29	BUTTOCK-POPLIT'L L	.255	.228	.380	.414	.371	.412	.352	.232	.451	-014
30	BUTTOCK-KNEE LNGTH	.308	.273	.466	.511	.490	.521	.431	.277	.576	.013
31	ACROMION-RADIALE L	.176	.149	.303	.339	.398	.341	.310	.173	.379	-065
32	RADIALE-STYLION L	.217	.197	.297	.299	.316	.306	.303	.379	.383	.252
33	THUMB-TIP REACH	.132	.123	.198	.200	.251	.227	.233	.219	.287	.107
34	THUMB-TIP,EXTENDED	.078	.121	.166	.148	.247	.136	.184	.145	.223	.116
35	OVERHEAD REACH	.280	.226	.262	.271	.377	.220	.236	.194	.319	.147
36	NECK CIRCUMFERENCE	-107	-007	-099	-097	-067	-066	-044	.033	-064	.221
37	SHOULDER CIRCUMFER	.008	-011	-025	.039	.022	.002	.036	-014	.016	-006
38	CHEST CIRC AT SCYE	-052	-007	-030	-011	-036	.003	.062	.019	-008	.088
39	BUST CIRCUMFERENCE	-015	-078	-023	-007	-033	.045	.084	.027	.003	.052
40	CHEST C BELOW BUST	-016	.107	-055	-041	-002	.030	.065	.016	.012	.044
41	WAIST CIRCUMFERNCE	-048	-032	-118	-049	.046	.092	.108	-012	.028	.077
42	ABDOMINAL EXT CIRC	-161	-084	-075	-246	-089	-000	.022	-050	-109	.007
43	HIP C-7" BLW WAIST	-170	-037	-097	-097	-099	-041	-045	-088	-190	-069
44	HIP C-9" BLW WAIST	-103	-054	-012	-058	-097	-155	-172	-077	-165	-024
45	UPPER THIGH CIRCUM	-111	-024	-005	.014	-059	-042	-012	.010	-070	-084
46	KNEE CIRCUMFERENCE	-031	.000	-041	-032	-060	-050	-076	-014	-052	-004
47	CALF CIRCUM, RIGHT	-113	-031	-128	-069	-049	-162	-102	-073	-129	-118
49	ANKLE CIRCUMFERNCE	-060	-025	-136	-106	-128	-179	-145	.006	-143	-006
50	VERTICAL TRUNK CIR	-048	-007	-306	-384	-309	-431	-421	-324	-469	-007
51	VERT TRUNK CIR,SIT	-046	-012	-272	-354	-324	-393	-398	-303	-453	-007

TABLE XXXI

TWO AND THREE STEP PARTIAL CORRELATION COEFFICIENTS

WEIGHT-STATURE PARTIALED OUT ABOVE DIAGONAL**WEIGHT-STATURE-AGE BELOW IT

		11	12	13	14	15	16	17	18	19	20
52	BUTTOCK CIRC, SIT	-054	-023	.023	-058	-028	-051	-123	-067	-102	-016
53	SCYE CIRCUMFERENCE	.029	.012	.005	.004	.020	.026	.054	.012	.014	.085
54	AXILLARY ARM CIRC	-026	-039	-064	-072	-111	-025	.000	-035	-067	.093
55	BICEPS CIR,RELAX,R	-016	-017	-094	-071	-064	-051	-004	-088	-065	-014
56	BICEPS CIR, FLEX,R	.004	-027	-095	-033	-058	-019	.002	-071	-047	-023
59	ELBOW CIRC, FLEXED	.071	.061	.008	.072	.085	.047	.066	.058	.069	.049
60	FOREARM CIR, RELAX	.048	.044	-069	.003	-005	-047	.010	.000	-016	.024
61	FOREARM CIR,FLEXED	.046	.034	-070	.025	-012	-030	.018	.026	-007	.024
62	WRIST CIRCUMFERNCE	.010	-022	-073	-047	-063	-062	-088	-006	-045	.066
63	BIACROMIAL BREADTH	-008	.019	-032	-009	.028	-056	-013	.017	.013	.061
64	BIDELTOID BREADTH	-046	-019	-046	-030	-031	-011	.004	.035	-034	.084
65	CHEST BREADTH	-034	.023	-070	-046	-032	-032	-006	-033	-013	-013
66	BUSTPT-BUSTPT BRTH	.060	-055	.036	.062	.030	.059	.060	.037	.043	-021
67	WAIST BREADTH	-034	-046	-063	-008	.026	.076	.082	.010	.039	.082
68	HIP BREADTH	-119	-070	-031	-075	-077	-168	-145	-070	-157	-019
69	THIGH-THIGH BR,SIT	-126	-064	-067	-127	-105	-140	-170	-116	-153	-055
70	HUMERAL BREADTH, R	.053	.013	-018	.035	-045	-071	-056	.016	-021	.008
72	FEMORAL BREADTH, R	.026	-020	-013	.012	-073	-011	-041	.060	.005	.010
74	CHEST DEPTH	.037	-037	.079	.064	.056	.116	.121	.051	.085	.057
75	WAIST DEPTH	.007	-018	-011	-059	.070	.113	.074	-019	.031	.044
76	ABDOMINAL EXT DPTH	-029	.019	.049	-082	.111	.185	.116	-007	.083	.034
77	BUTTOCK DEPTH	-003	.003	.071	.007	.086	.091	-003	.021	.009	.015
78	THIGH CLEARANCE	.061	.057	.150	.163	.144	.144	.123	.148	.186	-027
79	SHOULDER LENGTH	-031	-073	.000	.003	.025	-074	-002	.034	.019	.018
80	NECK-BUST POINT L	-107	-616	-068	-106	-140	-045	-078	.006	-095	.062
81	STRAP LENGTH	-097	-633	-135	-153	-166	-072	-117	-059	-153	.012
82	INTERSCYE	-054	-060	-038	-040	-051	.003	.003	.019	-013	.081
83	INTERSCYE, MAXIMUM	-086	-088	-013	-037	-139	-014	-014	.132	-016	.177
84	BACK CURVATURE	-066	-032	-064	-028	.012	.039	.007	-089	-026	-090
85	WAIST BACK	-110	-111	-425	-307	-300	-348	-302	-239	-300	-024
86	ANTERIOR WAIST LTH	.145	-005	-591	-340	-279	-249	-250	-191	-273	-015
87	SLEEVE INSEAM	.205	.222	.324	.342	.379	.332	.381	.403	.453	.254
88	SPINE-TO-SCYE LGTH	-066	-072	-033	-020	-107	-017	-021	.047	-033	.037
89	SPINE-TO-ELBOW LTH	.033	.037	.131	.157	.139	.098	.148	.123	.174	.038
90	SPINE-TO-WRIST LTH	.154	.158	.258	.291	.290	.249	.288	.290	.351	.127
91	HAND LENGTH	.115	.061	.163	.204	.210	.154	.133	.057	.193	-162
92	HAND BREADTH	-009	-009	-025	.024	.012	-014	-021	.038	.040	.048
93	HAND CIRCUMFERENCE	.027	.003	-045	.007	-027	-014	-036	.041	.006	.047
94	FOOT LENGTH	.101	.043	.161	.160	.181	.126	.115	.159	.219	.091
95	FOOT BREADTH	.003	.054	.034	.027	.078	-024	.014	.022	.019	.082
96	HEAD LENGTH	-042	-001	.012	.025	.034	.006	-005	-030	.041	-075
97	HEAD BREADTH	-114	-064	-010	-026	-036	-007	.013	.004	-017	-047
98	HEAD CIRCUMFERENCE	-065	-028	.002	-001	.073	-017	.005	-008	.047	-006
104	MENTON-TOP HEAD	-087	-054	-072	-031	.018	-089	-079	-048	-023	-006
107	PRONASALE TO WALL	.042	.070	.073	.085	.112	.033	.084	.078	.094	.073
111	SAGITTAL CURVATURE	.106	.107	.116	.115	.146	.0 6	.136	.115	.137	.075
112	BITRAGION-CORONAL	-160	-066	-102	-103	-078	-145	-074	-030	-066	.118
115	BITRAGION BREADTH	-089	.031	-020	-009	-010	-071	-006	.001	-035	.010
121	MENTON-SELLION LTH	-020	.009	-007	.020	.049	.009	-019	-054	.032	-052
125	GRIP STRENGTH	-033	.068	.022	.076	.060	.021	.030	.053	.053	.071

ALL ENTRIES ON THIS PAGE ARE BELOW THE DIAGONAL

TABLE XXXI

TWO AND THREE STEP PARTIAL CORRELATION COEFFICIENTS

WEIGHT-STATURE PARTIALED OUT ABOVE DIAGONAL**WEIGHT-STATURE-AGE BELOW IT

		21	22	23	24	25	26	27	28	29	30
1	AGE	-032	.087	.064	.089	.102	.090	.023	-154	-008	-099
2	WEIGHT										
3	TRICEPS SKINFOLD	.054	.012	.005	.027	.007	.092	.056	-050	.013	.027
4	SUBSCAPULAR SKINFD	.029	-031	-049	-055	-001	.080	-003	-007	.013	-007
5	SUPRAILIAC SKINFLD	.046	-046	-064	-032	-068	.018	.017	.081	.015	-004
6	MEDIAL CALF SKINFD	.042	-009	-001	.007	-007	.020	.052	-016	.004	.060
7	STATURE										
8	STATURE, MAXIMUM	-001	.060	.099	.094	.082	.073	.024	.089	.054	.065
9	CERVICALE HEIGHT	.011	-234	-248	-164	.001	-007	-071	.240	.191	.258
10	ACROMIAL HEIGHT	.015	-240	-250	-197	.141	-004	.078	.208	.176	.231
11	SUPRASTERNALE HGHT	.036	-257	-278	-207	-109	-047	-127	.254	.255	.310
12	BUSTPOINT HEIGHT	.002	-278	-296	-247	-110	-076	-115	.217	.226	.284
13	WAIST HEIGHT	.051	-472	-517	-410	-352	.123	-358	.351	.381	.466
14	ABDOMINAL EXTEN HT	.071	-552	-594	-489	-434	-107	-409	.419	.411	.517
15	TROCHANTERIC H'GHT	.036	-534	-564	-491	-395	-135	-428	.363	.371	.493
16	BUTTOCK HEIGHT	.079	-583	-626	-530	-463	-177	-419	.454	.408	.527
17	GLUTEAL FURROW HGT	.028	-596	-632	-542	-464	-197	-458	.364	.350	.438
18	TIBIALE HEIGHT	.087	-430	-479	-382	-352	-145	-327	.388	.232	.282
19	CROTCH HEIGHT	.027	-634	-671	-568	-524	-245	-508	.469	.446	.582
20	ANKLE HEIGHT	.099	-046	-061	-076	-010	-007	-072	.047	-014	.009
21	LAT'L MALLEOLUS HT		-010	-019	-002	-035	.025	.008	.085	-043	-097
22	SITTING HT,RELAXED	-007		.916	.775	.671	.396	.620	-407	-520	-631
23	SITTING HEIGHT	-017	.916		.831	.733	.414	.650	-448	-514	-637
24	EYE HEIGHT,SITTING	.001	.773	.831		.653	.431	.615	-382	-431	-536
25	MIDSHOULDER HT,SIT	-032	.668	.732	.650		.394	.735	-335	-439	-523
26	WAIST HGHT,SITTING	.028	.391	.410	.426	.388		.381	-195	-234	-260
27	ELBOW REST HEIGHT	.009	.621	.650	.615	.737	.380		-291	-397	-466
28	POPLITEAL HEIGHT	.081	-400	-444	-374	-324	-184	-291		.182	.268
29	BUTTOCK-POPLIT'L L	-044	-521	-514	-433	-441	-234	-397	.183		.715
30	BUTTOCK-KNEE LNGTH	-101	-628	-635	-532	-518	-254	-466	.258	.718	
31	ACROMION-RADIALE L	.018	-327	-332	-281	-239	-085	-426	.222	.220	.277
32	RADIALE-STYLION L	-108	-344	-350	-339	-258	-150	-357	.251	.220	.275
33	THUMB-TIP REACH	-043	-261	-294	-300	-167	-180	-301	.204	.123	.180
34	THUMB-TIP,EXTENDED	-064	-187	-166	-139	-120	-016	-187	.074	.107	.168
35	OVERHEAD REACH	-110	-224	-218	-200	-125	-082	-225	.134	.152	.247
36	NECK CIRCUMFERENCE	-023	.067	.078	.035	.064	.021	-001	-014	-127	-130
37	SHOULDER CIRCUMFER	-015	-013	-022	-034	-039	-021	-107	.021	-069	-115
38	CHEST CIRC AT SCYE	-023	.005	-016	-021	-021	.016	-078	-013	-093	-123
39	BUST CIRCUMFERENCE	.006	-040	-064	-050	-043	-021	-052	.031	-058	-098
40	CHEST C BELOW BUST	-005	-049	-056	-064	-020	-070	-009	.009	-067	-104
41	WAIST CIRCUMFERNCE	-041	-124	-128	-155	-041	-160	-080	.010	.005	-025
42	ABDOMINAL EXT CIRC	-037	-010	-015	.011	.015	.090	.038	-072	-029	-071
43	HIP C-7" BLW WAIST	-045	.007	.024	.036	.042	.047	.053	-104	.112	.113
44	HIP C-9" BLW WAIST	-095	.141	.153	.144	.116	.170	.118	-142	.101	.128
45	UPPER THIGH CIRCUM	-026	.008	.014	.028	.016	.088	.082	-043	.106	.105
46	KNEE CIRCUMFERENCE	.082	.028	.032	.036	.001	-005	.062	-065	-002	.039
47	CALF CIRCUM, RIGHT	.067	.084	.092	.070	.003	-054	.013	-051	-150	-071
49	ANKLE CIRCUMFERNCE	.062	.122	.146	.115	.104	.019	.089	-075	-183	-134
50	VERTICAL TRUNK CIR	-062	.478	.517	.463	.595	.245	.491	-343	-254	-309
51	VERT TRUNK CIR,SIT	-041	.523	.566	.506	.672	.316	.556	-315	-297	-352

TABLE XXXI

TWO AND THREE STEP PARTIAL CORRELATION COEFFICIENTS

WEIGHT-STATURE PARTIALED OUT ABOVE DIAGONAL**WEIGHT-STATURE-AGE BELOW IT

		21	22	23	24	25	26	27	28	29	30
52	BUTTOCK CIRC, SIT	-103	.102	.100	.106	.092	.152	.084	-097	.080	.116
53	SCYE CIRCUMFERENCE	-004	-003	-004	.002	.076	.058	-004	-004	-056	-069
54	AXILLARY ARM CIRC	.030	.055	.043	.038	.019	.081	-018	-054	-063	-104
55	BICEPS CIR,RELAX,R	.013	.017	.010	-009	-014	-005	.011	-055	-053	-042
56	BICEPS CIR, FLEX,R	.027	-001	-009	-021	-024	-031	.007	-021	-039	-029
59	ELBOW CIRC, FLEXED	.045	-065	-058	-065	-048	-047	-061	.063	-033	.010
60	FOREARM CIR, RELAX	.043	-004	.004	-036	.005	-073	-042	.030	-119	-078
61	FOREARM CIR,FLEXED	.037	-011	-005	-033	-022	-073	-040	.033	-107	-062
62	WRIST CIRCUMFERNCE	.088	.061	.077	.070	.037	-018	.002	.059	-149	-125
63	BIACROMIAL BREADTH	-051	.004	-005	-037	-086	-069	-239	.013	-050	-054
64	BIDELTOID BREADTH	-039	.003	-009	-021	-016	-003	-077	.016	-052	-073
65	CHEST BREADTH	-042	-002	.022	.048	.002	.037	.013	-057	-058	-092
66	BUSTPT-BUSTPT BRTH	.023	-054	-081	-062	-125	-046	-090	.052	-006	-026
67	WAIST BREADTH	-061	-063	-080	-123	.021	-202	-047	.048	-042	-063
68	HIP BREADTH	-108	.134	.146	.160	.094	.138	.118	-132	.047	.080
69	THIGH-THIGH BR,SIT	-091	.164	.184	.182	.145	.181	.186	-164	.001	.033
70	HUMERAL BREADTH, R	.123	.040	.058	.067	.005	.013	.031	.025	-075	-072
72	FEMORAL BREADTH, R	.140	.032	.036	.096	-042	.038	.056	.004	-042	-051
74	CHEST DEPTH	.034	-094	-106	-077	-076	.001	-055	.063	.016	.004
75	WAIST DEPTH	-012	-078	-088	-106	.002	-021	-034	.032	.030	.007
76	ABDOMINAL EXT DPTH	-015	-146	-139	-108	-061	-010	-046	.012	.145	.162
77	BUTTOCK DEPTH	-066	-061	-044	-059	.017	.039	.013	-030	.216	.302
78	THIGH CLEARANCE	.047	-164	-139	-025	-141	-022	-060	.133	.100	.160
79	SHOULDER LENGTH	-097	.014	.014	.024	-070	-025	-193	-013	-056	-024
80	NECK-BUST POINT L	-017	.101	.086	.110	.058	.058	.054	-057	-111	-126
81	STRAP LENGTH	.017	.133	.125	.129	.042	.059	.044	-091	-135	-179
82	INTERSCYE	-009	-014	.015	.020	.042	-007	-027	-016	-048	-089
83	INTERSCYE, MAXIMUM	-028	.032	.016	.051	.022	.057	.014	.022	-049	-082
84	BACK CURVATURE	.004	-015	.008	.012	.048	-018	.023	.002	-045	-065
85	WAIST BACK	-021	.316	.394	.322	.411	-187	.314	-214	-237	-279
86	ANTERIOR WAIST LTH	.001	.289	.295	.271	.234	-153	.259	-155	-189	-239
87	SLEEVE INSEAM	-120	-396	-406	-395	-319	-173	-508	.235	.267	.351
88	SPINE-TO-SCYE LGTH	.032	.034	.024	.047	.036	.001	.030	.040	-078	-112
89	SPINE-TO-ELBOW LTH	-057	-136	-152	-132	-174	-055	-356	.117	.059	.096
90	SPINE-TO-WRIST LTH	-096	-300	-319	-293	-271	-123	-461	.239	.159	.213
91	HAND LENGTH	.073	-148	-155	-126	-154	-091	-148	.231	.063	.068
92	HAND BREADTH	.054	-014	-006	-014	-023	-060	-035	.125	-078	-061
93	HAND CIRCUMFERENCE	.080	-007	.004	-015	.000	-075	-014	.099	-106	-078
94	FOOT LENGTH	-041	-143	-132	-148	-130	-066	-166	.189	.058	.098
95	FOOT BREADTH	-005	-055	-050	-091	-045	-061	-087	.033	-010	.006
96	HEAD LENGTH	.018	.016	.012	-032	-073	-032	-039	.050	.001	.003
97	HEAD BREADTH	.033	.008	.009	-033	-019	-014	-010	.010	-063	-086
98	HEAD CIRCUMFERENCE	-037	.004	.022	-080	-055	-068	-072	.003	.013	.002
104	MENTON-TOP HEAD	-013	.047	.046	-115	-071	-070	-080	-037	-017	-031
107	PRONASALE TO WALL	-038	-055	-037	-050	-029	-050	-102	.041	.057	.078
111	SAGITTAL CURVATURE	-051	-100	-085	-059	-008	-032	-089	.081	.124	.160
112	BITRAGION-CORONAL	-048	.117	.133	-008	.036	-010	.005	-130	-087	-151
115	BITRAGION BREADTH	-058	.041	.034	-024	-005	-033	-036	-081	-119	-218
121	MENTON-SELLION LTH	-053	-007	-003	-011	-036	-061	-027	.012	-001	-008
125	GRIP STRENGTH	-013	-055	-074	-086	-105	-119	-100	.032	-051	-111

ALL ENTRIES ON THIS PAGE ARE BELOW THE DIAGONAL

TABLE XXXI

TWO AND THREE STEP PARTIAL CORRELATION COEFFICIENTS

WEIGHT-STATURE PARTIALED OUT ABOVE DIAGONAL**WEIGHT-STATURE-AGE BELOW IT

		31	32	33	34	35	36	37	38	39	40
1	AGE	-005	-049	.042	-025	-078	.038	.069	.176	.168	.131
2	WEIGHT										
3	TRICEPS SKINFOLD	-056	-077	-058	-089	-115	-063	-015	-052	-022	-065
4	SUBSCAPULAR SKINFD	-020	-033	-047	-027	-085	.065	.161	.232	.252	.161
5	SUPRAILIAC SKINFLD	-007	-075	-040	-113	-079	-043	.050	.103	.195	.085
6	MEDIAL CALF SKINFD	-067	-100	-065	-049	-026	-057	-175	-158	-135	-136
7	STATURE										
8	STATURE, MAXIMUM	.084	.094	.029	.045	.090	-029	-007	-035	-030	-001
9	CERVICALE HEIGHT	.166	.234	.175	.106	.200	-041	-090	-095	-053	-054
10	ACROMIAL HEIGHT	.280	.179	.151	.109	.268	-061	-052	-007	.042	.086
11	SUPRASTERNALE HGHT	.176	.219	.130	.079	.282	-108	.006	-058	-022	-021
12	BUSTPOINT HEIGHT	.148	.202	.115	.124	.235	-013	-022	-034	-102	.084
13	WAIST HEIGHT	.303	.297	.197	.166	.263	-100	-026	-033	-026	-057
14	ABDOMINAL EXTEN HT	.337	.302	.193	.150	.278	-101	.030	-033	-028	-056
15	TROCHANTERIC H'GHT	.397	.318	.248	.248	.380	-069	.017	-046	-043	-010
16	BUTTOCK HEIGHT	.338	.310	.217	.139	.229	-071	-009	-024	.017	.009
17	GLUTEAL FURROW HGT	.308	.306	.225	.186	.243	-049	.026	.038	.060	.047
18	TIBIALE HEIGHT	.173	.381	.216	.147	.198	.031	-018	.008	.016	.008
19	CROTCH HEIGHT	.374	.385	.275	.224	.327	-070	.003	-038	-027	-012
20	ANKLE HEIGHT	-065	.250	.108	.115	.143	.221	-004	.093	.057	.048
21	LAT'L MALLEOLUS HT	.018	-106	-044	-063	-107	-024	-017	-029	.000	-009
22	SITTING HT,RELAXED	-326	-347	-256	-188	-229	.070	-006	.020	-024	-037
23	SITTING HEIGHT	-332	-352	-291	-167	-222	.080	-017	-005	-052	-047
24	EYE HEIGHT,SITTING	-280	-342	-295	-140	-205	.038	-028	-005	-034	-052
25	MIDSHOULDER HT,SIT	-238	-262	-162	-122	-132	.068	-032	-002	-025	-006
26	WAIST HGHT,SITTING	-085	-154	-176	-019	-088	.024	-015	.032	-006	-057
27	ELBOW REST HEIGHT	-426	-357	-299	-187	-226	-000	-105	-073	-047	-006
28	POPLITEAL HEIGHT	.220	.256	.195	.077	.144	-020	.010	-040	.004	-012
29	BUTTOCK-POPLIT'L L	.220	.220	.123	.107	.152	-127	-069	-093	-059	-067
30	BUTTOCK-KNEE LNGTH	.276	.278	.174	.169	.253	-133	-121	-137	-113	-115
31	ACROMION-RADIALE L		.279	.328	.250	.288	-059	.123	.081	.083	.063
32	RADIALE-STYLION L	.279		.326	.284	.307	.117	-007	-023	-020	-044
33	THUMB-TIP REACH	.329	.329		.316	.207	.034	.039	.039	.024	.044
34	THUMB-TIP,EXTENDED	.250	.284	.317		.407	.096	.031	.033	-012	.006
35	OVERHEAD REACH	.289	.304	.211	.407		.049	.045	.013	-018	.017
36	NECK CIRCUMFERENCE	-059	.119	.033	.097	.052		.094	.139	.091	.079
37	SHOULDER CIRCUMFER	.124	-004	.036	.033	.051	.092		.610	.385	.376
38	CHEST CIRC AT SCYE	.083	-015	.032	.038	.028	.135	.609		.660	.473
39	BUST CIRCUMFERENCE	.085	-012	.017	-008	-005	.085	.379	.649		.504
40	CHEST C BELOW BUST	.064	-038	.039	.009	.027	.075	.371	.461	.493	
41	WAIST CIRCUMFERNCE	.073	.020	.069	.029	.013	.136	.213	.306	.322	.345
42	ABDOMINAL EXT CIRC	-022	-064	-034	-063	-099	-036	.028	.104	.160	.152
43	HIP C-7" BLW WAIST	-052	-008	-083	-032	-081	-058	-088	-073	-087	-089
44	HIP C-9" BLW WAIST	-096	-034	-104	-026	-066	-115	-169	-187	-244	-230
45	UPPER THIGH CIRCUM	-096	-059	-099	-049	-141	-171	-165	-226	-246	-241
46	KNEE CIRCUMFERENCE	-149	-006	-044	-027	-057	-083	-297	-295	-331	-286
47	CALF CIRCUM, RIGHT	-088	-094	-021	.000	.016	-073	-216	-263	-351	-226
49	ANKLE CIRCUMFERNCE	-137	-051	-032	-037	-028	.004	-159	-182	-245	-137
50	VERTICAL TRUNK CIR	-196	-176	-170	-029	-038	.045	-085	.092	.095	.022
51	VERT TRUNK CIR,SIT	-179	-211	-170	-041	-023	.071	-035	.119	.121	.041

TABLE XXXI

TWO AND THREE STEP PARTIAL CORRELATION COEFFICIENTS

WEIGHT-STATURE PARTIALED OUT ABOVE DIAGONAL**WEIGHT-STATURE-AGE BELOW IT

		31	32	33	34	35	36	37	38	39	40
52	BUTTOCK CIRC, SIT	-038	-005	-088	-015	-026	-066	-169	-126	-148	-140
53	SCYE CIRCUMFERENCE	.150	.043	.042	.052	.043	.114	.246	.328	.214	.187
54	AXILLARY ARM CIRC	-065	-061	-034	-034	-061	.089	.346	.378	.266	.099
55	BICEPS CIR,RELAX,R	-146	-099	-059	-062	-060	-008	.155	.141	.046	.015
56	BICEPS CIR, FLEX,R	-117	-063	-059	-049	-055	.003	.178	.110	.009	.006
59	ELBOW CIRC, FLEXED	.042	.106	.039	.067	.127	.068	.111	.137	.043	.039
60	FOREARM CIR, RELAX	-044	-006	-007	.031	.066	.116	.182	.122	-045	.008
61	FOREARM CIR,FLEXED	-032	.004	.006	.019	.074	.084	.168	.125	-035	.004
62	WRIST CIRCUMFERNCE	.035	.047	.083	.057	.041	.111	.113	.089	-005	.035
63	BIACROMIAL BREADTH	.012	.091	.064	.098	.143	.141	.439	.227	.031	.075
64	BIDELTOID BREADTH	.031	.001	.031	.026	.076	.135	.654	.485	.268	.248
65	CHEST BREADTH	.051	-012	-110	.067	.050	.094	.445	.449	.371	.421
66	BUSTPT-BUSTPT BRTH	.098	.011	.010	-006	.026	-000	.126	.198	.504	.158
67	WAIST BREADTH	.041	.001	.121	-001	.009	.124	.198	.244	.219	.295
68	HIP BREADTH	-072	-049	-096	.022	-027	-102	-142	-175	-230	-215
69	THIGH-THIGH BR,SIT	-115	-116	-150	-005	-063	-140	-226	-237	-233	-246
70	HUMERAL BREADTH, R	.004	.008	.005	.049	.028	.028	.081	.049	.002	.035
72	FEMORAL BREADTH, R	.017	-025	-078	.001	-058	-039	-052	-047	-071	-021
74	CHEST DEPTH	.106	.021	.026	.000	-010	.039	.150	.329	.668	.339
75	WAIST DEPTH	.079	-009	.075	-036	-035	.050	.062	.139	.220	.211
76	ABDOMINAL EXT DPTH	.059	.013	.048	.011	-015	-039	-043	.034	.136	.116
77	BUTTOCK DEPTH	-072	-008	.015	.046	.001	-044	-102	-096	-081	-112
78	THIGH CLEARANCE	.047	.072	-063	.019	.016	-047	-040	-108	-140	-109
79	SHOULDER LENGTH	-035	.052	.052	.108	.097	-034	.247	.094	-036	-015
80	NECK-BUST POINT L	-003	-054	-037	-036	-044	-010	.055	.141	.353	.020
81	STRAP LENGTH	-035	-069	-057	-056	-066	.111	.142	.195	.374	.046
82	INTERSCYE	-018	-027	.072	-020	-008	.083	.446	.354	.254	.211
83	INTERSCYE, MAXIMUM	-039	.021	.006	.025	-039	.104	.268	.270	.140	.151
84	BACK CURVATURE	.113	-057	.022	-021	-022	.057	.304	.286	.267	.334
85	WAIST BACK	-170	-140	-062	-064	-073	.047	-025	-075	-050	.013
86	ANTERIOR WAIST LTH	-156	-155	-110	-097	-076	.004	.086	.089	.175	.131
87	SLEEVE INSEAM	.472	.613	.450	.390	.408	.073	.024	-043	-048	-040
88	SPINE-TO-SCYE LGTH	-051	-044	.055	-031	-073	.009	.278	.255	.158	.137
89	SPINE-TO-ELBOW LTH	.433	.177	.254	.196	.226	.024	.312	.178	.075	.089
90	SPINE-TO-WRIST LTH	.482	.480	.380	.317	.345	.091	.265	.145	.052	.080
91	HAND LENGTH	.242	.103	.210	.128	.128	-064	.069	-029	-057	-018
92	HAND BREADTH	.062	.077	.119	.069	.051	.164	.060	.031	-031	.015
93	HAND CIRCUMFERENCE	.036	.074	.109	.031	.034	.087	.055	.080	-017	.007
94	FOOT LENGTH	.136	.236	.241	.166	.175	.040	-047	-058	-076	-049
95	FOOT BREADTH	.004	.101	.109	.098	.121	.050	-032	-046	-134	-066
96	HEAD LENGTH	.042	.008	-007	.045	.008	-002	.032	-025	-017	-022
97	HEAD BREADTH	-009	.001	.026	-034	-011	.137	.005	-016	.014	.036
98	HEAD CIRCUMFERENCE	.025	.102	.045	.109	.080	.134	.024	-041	-045	-047
104	MENTON-TOP HEAD	-027	.066	.070	.028	.042	.099	.023	-027	-068	-043
107	PRONASALE TO WALL	.029	.132	.089	.113	.128	.077	.017	.019	.006	-031
111	SAGITTAL CURVATURE	.064	.129	.104	.112	.133	.092	.169	.175	.156	.115
112	BITRAGION-CORONAL	-089	.049	-054	.054	-005	.174	-094	-069	-126	-123
115	BITRAGION BREADTH	-047	-017	-044	-012	-011	-219	-268	-284	-332	-229
121	MENTON-SELLION LTH	.005	.043	.007	.033	.032	-050	-106	-136	-135	-149
125	GRIP STRENGTH	.008	.088	.011	.010	.063	-211	-385	-356	-393	-370

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TABLE XXXI

TWO AND THREE STEP PARTIAL CORRELATION COEFFICIENTS

WEIGHT-STATURE PARTIALED OUT ABOVE DIAGONAL**WEIGHT-STATURE-AGE BELOW IT

		41	42	43	44	45	46	47	49	50	51
1	AGE	.067	.184	.047	.025	-105	-077	-208	-194	.210	.175
2	WEIGHT										
3	TRICEPS SKINFOLD	-011	.126	.128	.136	.179	.136	.006	-033	.021	.026
4	SUBSCAPULAR SKINFD	.287	.250	.082	-051	-071	-171	-259	-235	.029	.056
5	SUPRAILIAC SKINFLD	.275	.213	.071	-015	.059	-108	-188	-172	-096	-039
6	MEDIAL CALF SKINFD	-099	.013	.063	.121	.163	.281	.232	.156	.012	-005
7	STATURE										
8	STATURE, MAXIMUM	-066	-099	-137	-030	-060	-023	-047	-010	.014	.067
9	CERVICALE HEIGHT	.012	-104	-150	-066	-055	-037	-116	-054	-045	.005
10	ACROMIAL HEIGHT	.044	-043	-094	-089	-091	-082	-144	-087	.115	.144
11	SUPRASTERNALE HGHT	-050	-166	-171	-104	-107	-028	-103	-051	-055	-052
12	BUSTPOINT HEIGHT	-042	-110	-044	-057	-007	.012	.003	.007	-040	-039
13	WAIST HEIGHT	-119	-078	-097	-012	-002	-039	-121	-130	-303	-271
14	ABDOMINAL EXTEN HT	-057	-263	-102	-061	.027	-022	-041	-079	-398	-367
15	TROCHANTERIC H'GHT	.042	-099	-101	-099	-052	-055	-035	-112	-315	-329
16	BUTTOCK HEIGHT	.081	-029	-048	-157	-025	-037	-125	-143	-449	-409
17	GLUTEAL FURROW HGT	.098	-002	-051	-174	.001	-065	-072	-117	-435	-411
18	TIBIALE HEIGHT	-016	-061	-091	-079	.016	-009	-058	.018	-329	-309
19	CROTCH HEIGHT	.016	-137	-195	-167	-050	-037	-088	-104	-488	-469
20	ANKLE HEIGHT	.079	.012	-067	-023	-087	-007	-122	-012	.000	-002
21	LAT'L MALLEOLUS HT	-043	-042	-047	-096	-022	.084	.072	.067	-068	-046
22	SITTING HT,RELAXED	-118	.007	.011	.142	-002	.021	.063	.102	.484	.528
23	SITTING HEIGHT	-123	-003	.026	.154	.007	.027	.077	.130	.518	.567
24	EYE HEIGHT,SITTING	-148	.028	.040	.146	.019	.029	.050	.095	.470	.512
25	MIDSHOULDER HT,SIT	-034	.034	.046	.118	.005	-007	-018	.082	.600	.676
26	WAIST HGHT,SITTING	-153	.105	.051	.171	.078	-012	-071	.001	.257	.325
27	ELBOW REST HEIGHT	-078	.042	.054	.118	.079	.060	.008	.083	.484	.551
28	POPLITEAL HEIGHT	-001	-098	-110	-144	-026	-052	-017	-043	-364	-334
29	BUTTOCK-POPLIT'L L	.005	-030	.112	.100	.106	-002	-145	-178	-250	-294
30	BUTTOCK-KNEE LNGTH	-032	-087	.108	.125	.114	.047	-048	-111	-321	-363
31	ACROMION-RADIALE L	.072	-022	-052	-096	-095	-148	-085	-134	-192	-177
32	RADIALE-STYLION L	.017	-072	-010	-035	-054	-002	-082	-040	-182	-216
33	THUMB-TIP REACH	.071	-026	-081	-103	-103	-047	-029	-040	-157	-160
34	THUMB-TIP,EXTENDED	.027	-067	-034	-026	-047	-025	.005	-031	-034	-044
35	OVERHEAD REACH	.008	-112	-084	-068	-132	-051	.032	-012	-054	-037
36	NECK CIRCUMFERENCE	.138	-029	-056	-114	-174	-086	-079	-003	.052	.076
37	SHOULDER CIRCUMFER	.217	.040	-085	-167	-171	-300	-226	-169	-068	-022
38	CHEST CIRC AT SCYE	.313	.133	-063	-180	-239	-303	-290	-210	.125	.146
39	BUST CIRCUMFERENCE	.328	.186	-078	-236	-259	-338	-373	-270	.127	.146
40	CHEST C BELOW BUST	.350	.172	-082	-224	-251	-292	-246	-159	.049	.063
41	WAIST CIRCUMFERNCE		.381	.166	-137	-190	-276	-337	-238	-015	.025
42	ABDOMINAL EXT CIRC	.376		.367	.130	.013	-167	-289	-225	.067	.089
43	HIP C-7" BLW WAIST	.163	.365		.682	.400	.059	-060	-084	.113	.123
44	HIP C-9" BLW WAIST	-139	.128	.682		.547	.198	.052	-001	.201	.192
45	UPPER THIGH CIRCUM	-185	.033	.407	.553		.278	.155	.028	.027	-005
46	KNEE CIRCUMFERENCE	-273	-156	.063	.201	.273		.456	.385	.004	-038
47	CALF CIRCUM, RIGHT	-331	-261	-051	.058	.137	.452		.589	-037	-069
49	ANKLE CIRCUMFERNCE	-229	-196	-076	.004	.008	.378	.572		.002	.005
50	VERTICAL TRUNK CIR	-030	.030	.106	.200	.051	.021	.007	.044		.809
51	VERT TRUNK CIR,SIT	.014	.059	.116	.191	.014	-025	-034	.040	.803	

TABLE XXXI

TWO AND THREE STEP PARTIAL CORRELATION COEFFICIENTS

WEIGHT-STATURE PARTIALED OUT ABOVE DIAGONAL**WEIGHT-STATURE-AGE BELOW IT

		41	42	43	44	45	46	47	49	50	51
52	BUTTOCK CIRC, SIT	.024	.228	.623	.682	.346	.115	-059	-086	.204	.205
53	SCYE CIRCUMFERENCE	.181	.075	-051	-125	-158	-184	-183	-098	.134	.136
54	AXILLARY ARM CIRC	.152	.145	.010	-062	-032	-152	-191	-171	.123	.121
55	BICEPS CIR,RELAX,R	-029	.041	-009	-037	.042	.048	.027	.002	.061	.034
56	BICEPS CIR, FLEX,R	-048	-008	-042	-078	.017	.045	.031	.012	-005	-018
59	ELBOW CIRC, FLEXED	.028	-095	-078	-102	-095	.052	-012	.084	-002	-014
60	FOREARM CIR, RELAX	-033	-167	-126	-169	-122	.155	.171	.246	-034	-047
61	FOREARM CIR,FLEXED	-039	-170	-125	-155	-101	.131	.164	.217	-038	-046
62	WRIST CIRCUMFERNCE	-015	-163	-158	-183	-222	.124	.123	.347	-007	.018
63	BIACROMIAL BREADTH	.033	-080	-080	-035	-107	-068	.022	.063	-071	-065
64	BIDELTOID BREADTH	.167	.034	-031	-062	-091	-191	-164	-104	-022	.010
65	CHEST BREADTH	.219	.101	-027	-142	-184	-231	-179	-113	.037	.060
66	BUSTPT-BUSTPT BRTH	.147	.051	-087	-174	-135	-182	-181	-128	-021	-005
67	WAIST BREADTH	.703	.208	.089	-085	-144	-190	-227	-155	-033	.011
68	HIP BREADTH	-146	.103	.508	.712	.424	.177	.105	.041	.109	.136
69	THIGH-THIGH BR,SIT	-177	.139	.456	.650	.505	.225	.097	-006	.158	.183
70	HUMERAL BREADTH, R	-085	-139	-093	-090	-108	.103	.104	.207	-006	.030
72	FEMORAL BREADTH, R	-093	-064	-060	-031	-006	.265	.129	.175	-048	-018
74	CHEST DEPTH	.245	.151	-065	-208	-193	-260	-308	-228	.016	.050
75	WAIST DEPTH	.571	.293	.009	-178	-222	-207	-312	-224	.012	.022
76	ABDOMINAL EXT DPTH	.378	.425	.142	-065	-092	-164	-273	-248	.005	-005
77	BUTTOCK DEPTH	.006	.077	.303	.273	.254	.046	-041	-080	.164	.105
78	THIGH CLEARANCE	-167	-124	-010	.045	.219	.142	.110	.034	-107	-151
79	SHOULDER LENGTH	-034	-049	-066	.017	-020	-023	.061	.066	-079	-077
80	NECK-BUST POINT L	.118	.093	-051	-047	-092	-132	-149	-080	.045	.065
81	STRAP LENGTH	.164	.086	-049	-084	-138	-159	-158	-104	.046	.067
82	INTERSCYE	.146	.053	-032	-110	-157	-156	-125	-072	-055	.003
83	INTERSCYE, MAXIMUM	.090	.072	-019	-027	-070	-093	-107	-026	-071	-002
84	BACK CURVATURE	.178	.092	-003	-099	-152	-158	-102	-088	-021	.060
85	WAIST BACK	.073	-077	-023	-024	-071	.033	.101	.127	.259	.308
86	ANTERIOR WAIST LTH	.129	-005	-056	-107	-098	-048	-036	.013	.296	.231
87	SLEEVE INSEAM	.029	-081	-041	-041	-049	-016	-021	-032	-293	-298
88	SPINE-TO-SCYE LGTH	.034	-007	-070	-103	-097	-074	-078	-022	-066	-012
89	SPINE-TO-ELBOW LTH	-008	-054	-089	-070	-105	-103	-015	-037	-215	-170
90	SPINE-TO-WRIST LTH	.015	-095	-090	-099	-125	-100	-058	-052	-279	-253
91	HAND LENGTH	-029	-148	-134	-168	-145	-050	.016	.052	-191	-169
92	HAND BREADTH	-082	-132	-170	-180	-156	-007	.070	.184	-094	-079
93	HAND CIRCUMFERENCE	-040	-183	-194	-213	-174	.033	.072	.229	-014	-017
94	FOOT LENGTH	-016	-175	-118	-114	-161	.035	.072	.192	-150	-127
95	FOOT BREADTH	-061	-141	-076	-068	-093	.079	.167	.227	-038	-049
96	HEAD LENGTH	-139	-162	-115	-076	-050	-047	.021	.029	-080	-094
97	HEAD BREADTH	.039	.029	-037	-054	-029	.010	.003	.027	-073	-059
98	HEAD CIRCUMFERENCE	-053	-139	-111	-071	-082	.001	.011	.040	-058	-093
104	MENTON-TOP HEAD	-087	-176	-114	-076	-081	.028	.054	.072	-042	-089
107	PRONASALE TO WALL	-061	-155	-067	-066	-065	-015	.016	.059	-003	-042
111	SAGITTAL CURVATURE	.150	.022	.122	.076	.088	.057	.045	.047	.041	.017
112	BITRAGION-CORONAL	-195	-194	-229	-144	-184	-104	-078	-004	.001	-014
115	BITRAGION BREADTH	-295	-319	-472	-422	-411	-252	-235	-097	-198	-159
121	MENTON-SELLION LTH	-136	-206	-206	-201	-177	-092	-077	-027	-091	-102
125	GRIP STRENGTH	-432	-466	-583	-564	-532	-335	-310	-150	-273	-227

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TABLE XXXI

TWO AND THREE STEP PARTIAL CORRELATION COEFFICIENTS

WEIGHT-STATURE PARTIALED OUT ABOVE DIAGONAL**WEIGHT-STATURE-AGE BELOW IT

		52	53	54	55	56	59	60	61	62	63
1	AGE	.163	.138	.069	.169	.178	.018	.004	-016	-043	.070
2	WEIGHT										
3	TRICEPS SKINFOLD	.078	.033	.269	.384	.321	-007	.085	.078	-071	-129
4	SUBSCAPULAR SKINFD	-009	158	.323	.166	.111	.002	-052	-040	-083	-071
5	SUPRAILIAC SKINFLD	-017	.043	.243	.087	.045	-005	-060	-028	-054	-140
6	MEDIAL CALF SKINFD	.070	-091	-002	.145	.100	.001	.028	.025	-040	-133
7	STATURE										
8	STATURE, MAXIMUM	-024	.001	-031	-063	-059	-008	-036	-029	.030	.002
9	CERVICALE HEIGHT	-037	.006	-058	-087	-087	.024	-036	-021	-026	-007
10	ACROMIAL HEIGHT	-010	.139	-099	-073	-060	.045	-000	-021	-030	-148
11	SUPRASTERNALE HGHT	-059	.023	-029	-023	-003	.070	.047	.046	.012	-010
12	BUSTPOINT HEIGHT	-048	-010	-049	-043	-055	.057	.043	.036	-015	.008
13	WAIST HEIGHT	.020	.002	-065	-096	-097	.008	-069	-070	-072	-033
14	ABDOMINAL EXTEN HT	-077	-014	-080	-090	-055	.069	.002	.026	-041	-018
15	TROCHANTERIC H'GHT	-038	.011	-115	-074	-068	.084	-006	-011	-060	.023
16	BUTTOCK HEIGHT	-075	.004	-036	-076	-046	.043	-048	-028	-055	-066
17	GLUTEAL FURROW HGT	-141	.036	-009	-026	-021	.063	.009	.020	-082	-021
18	TIBIALE HEIGHT	-077	.003	-039	-097	-081	.057	-000	.027	-004	.012
19	CROTCH HEIGHT	-127	-011	-078	-093	-077	.065	-016	-004	-037	.000
20	ANKLE HEIGHT	-010	.089	.095	-008	-017	.049	.024	.024	.064	.063
21	LAT'L MALLEOLUS HT	-107	-009	.027	.007	.021	.044	.043	.037	.089	-053
22	SITTING HT,RELAXED	.115	.009	.061	.032	.015	-063	-004	-012	.057	.010
23	SITTING HEIGHT	.109	.004	.047	.021	.002	-057	.004	-006	.074	-001
24	EYE HEIGHT,SITTING	.118	.014	.044	.006	-005	-063	-035	-034	.065	-031
25	MIDSHOULDER HT,SIT	.107	.089	.026	.004	-005	-046	.005	-024	.032	-078
26	WAIST HGHT,SITTING	.164	.069	.086	.011	-015	-045	-072	-074	-022	-062
27	ELBOW REST HEIGHT	.087	-001	-016	.015	.011	-060	-042	-041	.001	-237
28	POPLITEAL HEIGHT	-119	-025	-064	-079	-048	.059	.029	.035	.065	.002
29	BUTTOCK-POPLIT'L L	.078	-056	-064	-054	-040	-033	-119	-107	-148	-051
30	BUTTOCK-KNEE LNGTH	.098	-082	-110	-058	-046	.008	-078	-060	-120	-061
31	ACROMION-RADIALE L	-038	.147	-065	-145	-116	.042	-044	-032	.035	.012
32	RADIALE-STYLION L	-013	.036	-064	-105	-071	.105	-006	.004	.050	.087
33	THUMB-TIP REACH	-080	.048	-031	-051	-051	.039	-007	.005	.081	.067
34	THUMB-TIP,EXTENDED	-019	.048	-036	-066	-053	.066	.031	.019	.058	.096
35	OVERHEAD REACH	-038	.032	-066	-072	-068	.125	.066	.075	.044	.137
36	NECK CIRCUMFERENCE	-059	.118	.092	-001	.009	.068	.116	.084	.109	.143
37	SHOULDER CIRCUMFER	-155	.253	.349	.164	.187	.112	.182	.167	.110	.442
38	CHEST CIRC AT SCYE	-094	.344	.384	.167	.138	.138	.121	.120	.080	.235
39	BUST CIRCUMFERENCE	-116	.232	.273	.073	.038	.046	-043	-037	-012	.042
40	CHEST C BELOW BUST	-115	.201	.107	.036	.030	.041	.008	.002	.029	.083
41	WAIST CIRCUMFERNCE	.035	.188	.156	-017	-035	.029	-033	-040	-017	.037
42	ABDOMINAL EXT CIRC	.251	.098	.155	.070	.025	-091	-163	-170	-168	-066
43	HIP C-7" BLW WAIST	.622	-044	.014	-001	-033	-077	-125	-126	-160	-076
44	HIP C-9" BLW WAIST	.677	-121	-060	-032	-072	-102	-169	-155	-184	-033
45	UPPER THIGH CIRCUM	.322	-170	-039	.024	-002	-096	-122	-099	-216	-114
46	KNEE CIRCUMFERENCE	.100	-192	-156	.034	.031	.051	.155	.132	.127	-073
47	CALF CIRCUM, RIGHT	-091	-206	-201	-009	-007	-016	.167	.164	.129	.007
49	ANKLE CIRCUMFERNCE	-115	-122	-181	-031	-023	.079	.241	.216	.348	.048
50	VERTICAL TRUNK CIR	.231	.158	.134	.095	.033	.002	-033	-041	-015	-055
51	VERT TRUNK CIR,SIT	.227	.156	.131	.063	.013	-010	-045	-048	.010	-052

ALL ENTRIES ON THIS PAGE ARE ABOVE THE DIAGONAL

TABLE XXXI

TWO AND THREE STEP PARTIAL CORRELATION COEFFICIENTS

WEIGHT-STATURE PARTIALED OUT ABOVE DIAGONAL**WEIGHT-STATURE-AGE BELOW IT

		52	53	54	55	56	59	60	61	62	63
52	BUTTOCK CIRC, SIT		-059	-068	-064	-094	-068	-196	-174	-202	-054
53	SCYE CIRCUMFERENCE	-084		.528	.313	.289	.196	.254	.236	.183	-003
54	AXILLARY ARM CIRC	-080	.525		.582	.506	.144	.261	.231	.067	.062
55	BICEPS CIR,RELAX,R	-094	.297	.580		.879	.247	.439	.409	.085	-041
56	BICEPS CIR, FLEX,R	-127	.271	.503	.875		.323	.481	.471	.139	-029
59	ELBOW CIRC, FLEXED	-072	.196	.143	.248	.325		.429	.652	.285	.072
60	FOREARM CIR, RELAX	-200	.256	.261	.444	.488	.429		.805	.464	.099
61	FOREARM CIR,FLEXED	-173	.241	.233	.418	.481	.652	.805		.424	.087
62	WRIST CIRCUMFERNCE	-198	.191	.070	.094	.149	.286	.464	.424		.104
63	BIACROMIAL BREADTH	-066	-013	.058	-054	-043	.071	.099	.088	.108	
64	BIDELTOID BREADTH	-103	.213	.341	.152	.155	.082	.140	.126	.076	.493
65	CHEST BREADTH	-087	.139	.094	.009	.009	.023	.038	.023	.037	.231
66	BUSTPT-BUSTPT BRTH	-091	.057	.063	-028	-018	.029	-025	-035	.012	-034
67	WAIST BREADTH	.019	.153	.093	-015	-036	.024	.011	-006	.021	.084
68	HIP BREADTH	.537	-138	-083	-024	-072	-101	-155	-135	-167	-009
69	THIGH-THIGH BR,SIT	.571	-170	-096	-013	-072	-163	-221	-193	-274	-068
70	HUMERAL BREADTH, R	-127	.114	.032	.099	.141	.219	.388	.328	.398	.078
72	FEMORAL BREADTH, R	-046	-004	-057	-006	.012	.074	.108	.104	.198	-023
74	CHEST DEPTH	-130	.124	.142	.011	.001	-029	-097	-090	-007	-144
75	WAIST DEPTH	.043	.101	.065	-063	-077	-009	-100	-098	-031	-081
76	ABDOMINAL EXT DPTH	.138	.029	.032	-044	-087	-105	-188	-193	-146	-130
77	BUTTOCK DEPTH	.280	-024	.000	-027	-039	-035	-101	-095	-123	-118
78	THIGH CLEARANCE	-031	-026	-027	.020	.062	.036	.020	.020	.023	-062
79	SHOULDER LENGTH	-049	-102	.008	-045	-062	.020	.026	.036	.060	.547
80	NECK-BUST POINT L	-013	.060	.064	-041	-039	-053	-103	-075	.013	-021
81	STRAP LENGTH	-048	.093	.106	-008	.001	-025	-051	-022	.035	.042
82	INTERSCYE	-083	.037	.042	-038	-040	.012	.018	.028	.024	.258
83	INTERSCYE, MAXIMUM	-019	.116	.083	-016	.010	-003	.037	.043	.064	.183
84	BACK CURVATURE	-073	.101	.033	-040	-024	-028	.002	-016	.034	.073
85	WAIST BACK	-061	-030	-039	.015	.023	.027	.085	.082	.111	.027
86	ANTERIOR WAIST LTH	-098	.047	.103	.071	.075	.020	.030	.050	.061	-022
87	SLEEVE INSEAM	-027	-063	-122	-170	-135	.051	-018	-027	.027	.174
88	SPINE-TO-SCYE LGTH	-068	.055	.042	-012	-010	.017	.058	.055	.070	.204
89	SPINE-TO-ELBOW LTH	-073	.059	-004	-097	-079	-002	.049	.021	.078	.356
90	SPINE-TO-WRIST LTH	-085	.085	-032	-115	-081	.074	.084	.054	.118	.343
91	HAND LENGTH	-154	.036	-136	-101	-023	.141	.143	.139	.299	.100
92	HAND BREADTH	-173	.107	-036	-014	.055	.138	.245	.216	.423	.096
93	HAND CIRCUMFERENCE	-223	.212	.074	.073	.140	.261	.372	.374	.575	.123
94	FOOT LENGTH	-087	.002	-180	-169	-130	.105	.097	.075	.257	.105
95	FOOT BREADTH	-066	.012	-112	-089	-053	.112	.136	.123	.271	.126
96	HEAD LENGTH	-099	-069	-090	-050	-029	.053	.041	.046	.051	.054
97	HEAD BREADTH	-074	-033	-029	-070	-082	-043	.000	-001	.011	.041
98	HEAD CIRCUMFERENCE	-094	-086	-109	-104	-084	.016	.041	.030	.038	.105
104	MENTON-TOP HEAD	-097	-031	-085	-044	-025	.065	.082	.075	.040	.136
107	PRONASALE TO WALL	-072	-016	-059	-043	-040	.069	.073	.051	.047	.086
111	SAGITTAL CURVATURE	.101	.110	.111	.096	.082	.106	.164	.148	.109	.078
112	BITRAGION-CORONAL	-184	-092	-134	-156	-154	-018	-066	-065	-075	.055
115	BITRAGION BREADTH	-472	-256	-394	-417	-416	-128	-255	-241	-091	-002
121	MENTON-SELLION LTH	-195	-082	-187	-159	-124	.019	-041	-043	.015	.008
125	GRIP STRENGTH	-605	-311	-476	-509	-475	-087	-345	-311	-108	-031

TABLE XXXI

TWO AND THREE STEP PARTIAL CORRELATION COEFFICIENTS

WEIGHT-STATURE PARTIALED OUT ABOVE DIAGONAL**WEIGHT-STATURE-AGE BELOW IT

		64	65	66	67	68	69	70	72	74	75
1	AGE	.064	.096	.022	-053	.027	.142	.047	.017	.176	.171
2	WEIGHT										
3	TRICEPS SKINFOLD	.025	-092	-045	-034	.103	.144	-084	.028	.020	-018
4	SUBSCAPULAR SKINFD	.126	.071	.070	.146	-074	-089	-171	-056	.255	.233
5	SUPRAILIAC SKINFLD	.064	-023	.111	.209	-047	-062	-091	-031	.191	.160
6	MEDIAL CALF SKINFD	-122	-143	-108	-059	.122	.164	-064	.036	-092	-071
7	STATURE										
8	STATURE, MAXIMUM	-047	.021	-033	.032	-025	.009	.048	.075	.022	-041
9	CERVICALE HEIGHT	-072	-075	-024	.034	-058	-048	.001	.028	.045	.031
10	ACROMIAL HEIGHT	-024	.074	.025	.054	-100	-072	.006	.006	.057	.048
11	SUPRASTERNALE HGHT	-048	-038	.059	-032	-120	-130	.051	.025	.030	.001
12	BUSTPOINT HEIGHT	-029	.007	-058	-037	-073	-085	.005	-022	-064	-044
13	WAIST HEIGHT	-047	-071	.035	-062	-032	-069	-019	-014	.075	-014
14	ABDOMINAL EXTEN HT	-038	-058	.059	-001	-077	-142	.029	.010	.040	-080
15	TROCHANTERIC H'GHT	-035	-038	.028	.029	-079	-113	-048	-073	.043	.058
16	BUTTOCK HEIGHT	-020	-046	.055	.083	-170	-159	-077	-013	.086	.084
17	GLUTEAL FURROW HGT	-004	-018	.057	.088	-147	-185	-061	-042	.095	.050
18	TIBIALE HEIGHT	.031	-039	.036	.013	-071	-124	.013	.058	.039	-029
19	CROTCH HEIGHT	-044	-030	.038	.048	-159	-174	-029	.002	.051	.000
20	ANKLE HEIGHT	.086	-010	-020	.080	-018	-050	.009	.011	.062	.049
21	LAT'L MALLEOLUS HT	-041	-045	.022	-059	-108	-094	.121	.140	.028	-017
22	SITTING HT,RELAXED	.008	.007	-052	-068	.136	.174	.044	.033	-076	-061
23	SITTING HEIGHT	-005	.028	-079	-083	.147	.191	.061	.037	-093	-076
24	EYE HEIGHT,SITTING	-015	.056	-060	-127	.161	.192	.071	.097	-059	-089
25	MIDSHOULDER HT,SIT	-009	.012	-122	.016	.096	.157	.010	-040	-056	.019
26	WAIST HGHT,SITTING	.003	.045	-044	-206	.140	.191	.017	.039	.017	-005
27	ELBOW REST HEIGHT	-075	.015	-089	-048	.118	.187	.032	.056	-050	-029
28	POPLITEAL HEIGHT	.006	-071	.048	.055	-135	-183	.018	.001	.034	.005
29	BUTTOCK-POPLIT'L L	-052	-058	-006	-042	.047	-001	-076	-042	.014	.029
30	BUTTOCK-KNEE LNGTH	-078	-101	-028	-057	.077	.018	-076	-052	-014	-010
31	ACROMION-RADIALE L	.031	.050	.098	.042	-072	-115	.004	.017	.104	.077
32	RADIALE-STYLION L	-002	-017	.010	.003	-050	-121	.006	-026	.012	-017
33	THUMB-TIP REACH	.034	-106	.011	.118	-095	-143	.007	-077	.033	.080
34	THUMB-TIP,EXTENDED	.024	.065	-007	.000	.022	-009	.048	.001	-004	-039
35	OVERHEAD REACH	.070	.042	.024	.013	-029	-073	.024	-060	-024	-048
36	NECK CIRCUMFERENCE	.137	.097	.000	.121	-101	-133	.030	-038	.045	.056
37	SHOULDER CIRCUMFER	.656	.449	.127	.194	-140	-213	.084	-051	.160	.073
38	CHEST CIRC AT SCYE	.487	.457	.199	.230	-167	-206	.056	-043	.350	.165
39	BUST CIRCUMFERENCE	.274	.381	.501	.206	-222	-204	.010	-067	.678	.243
40	CHEST C BELOW BUST	.254	.428	.160	.285	-210	-222	.041	-018	.354	.229
41	WAIST CIRCUMFERNCE	.170	.224	.148	.697	-144	-165	-082	-091	.253	.572
42	ABDOMINAL EXT CIRC	.045	.117	.054	.194	.106	.162	-128	-060	.178	.315
43	HIP C-7" BLW WAIST	-028	-022	-086	.086	.508	.458	-091	-060	-055	.017
44	HIP C-9" BLW WAIST	-060	-139	-173	-086	.712	.647	-089	-030	-200	-171
45	UPPER THIGH CIRCUM	-097	-192	-136	-137	.419	.482	-112	-008	-208	-235
46	KNEE CIRCUMFERENCE	-195	-237	-183	-185	.174	.211	.099	.263	-269	-217
47	CALF CIRCUM, RIGHT	-173	-194	-182	-211	.097	.064	.092	.123	-334	-336
49	ANKLE CIRCUMFERNCE	-114	-129	-130	-141	.035	-033	.194	.168	-254	-249
50	VERTICAL TRUNK CIR	-008	.056	-016	-044	.112	.183	.004	-043	.053	.048
51	VERT TRUNK CIR,SIT	.021	.076	-001	.001	.138	.203	.038	-015	.079	.052

ALL ENTRIES ON THIS PAGE ARE ABOVE THE DIAGONAL

TABLE XXXI

TWO AND THREE STEP PARTIAL CORRELATION COEFFICIENTS

WEIGHT-STATURE PARTIALED OUT ABOVE DIAGONAL**WEIGHT-STATURE-AGE BELOW IT

		64	65	66	67	68	69	70	72	74	75
52	BUTTOCK CIRC, SIT	-091	-070	-086	.010	.534	.581	-117	-043	-097	.069
53	SCYE CIRCUMFERENCE	.219	.150	.059	.144	-133	-147	.119	-002	.145	.122
54	AXILLARY ARM CIRC	.344	.100	.065	.089	-081	-085	.036	-056	.152	.076
55	BICEPS CIR,RELAX,R	.160	.025	-024	-023	-019	.011	.105	-003	.041	-032
56	BICEPS CIR, FLEX,R	.164	.026	-013	-045	-066	-045	.147	.015	.032	-044
59	ELBOW CIRC, FLEXED	.083	.025	.030	.023	-101	-159	.219	.074	-025	-006
60	FOREARM CIR, RELAX	.140	.038	-025	.011	-155	-218	.388	.108	-095	-098
61	FOREARM CIR,FLEXED	.124	.022	-035	-005	-136	-194	.327	.104	-092	-099
62	WRIST CIRCUMFERNCE	.073	.033	.011	.023	-168	-277	.395	.197	-015	-038
63	BIACROMIAL BREADTH	.495	.236	-033	.080	-008	-057	.081	-021	-129	-068
64	BIDELTOID BREADTH		.398	.055	.178	-013	-087	.027	-091	.028	.048
65	CHEST BREADTH	.394		.126	.153	-081	-062	.040	.067	.108	.059
66	BUSTPT-BUSTPT BRTH	.053	.124		.048	-165	-134	.029	-020	.414	.092
67	WAIST BREADTH	.182	.159	.050		-055	-109	-031	-085	.102	.288
68	HIP BREADTH	-015	-084	-166	-054		.708	-037	.027	-186	-172
69	THIGH-THIGH BR,SIT	-097	-077	-139	-103	.712		-123	-017	-157	-155
70	HUMERAL BREADTH, R	.024	.036	.028	-028	-039	-131		.284	-008	-119
72	FEMORAL BREADTH, R	-092	.065	-021	-084	.026	-020	.283		-078	-087
74	CHEST DEPTH	.017	.093	.416	.114	-193	-187	-017	-082		.253
75	WAIST DEPTH	.037	.044	.089	.302	-179	-184	-129	-091	.230	
76	ABDOMINAL EXT DPTH	-034	.015	.030	.169	-078	-020	-187	-089	.185	.610
77	BUTTOCK DEPTH	-011	-145	-092	-017	.107	.190	-139	-173	.001	.128
78	THIGH CLEARANCE	-059	-007	-096	-149	.012	-093	.052	.174	-076	-106
79	SHOULDER LENGTH	.225	.064	-037	-007	.040	-009	.034	-012	-094	-085
80	NECK-BUST POINT L	.054	.034	.228	.082	-027	-051	-032	-005	.339	.104
81	STRAP LENGTH	.120	.103	.242	.111	-065	-091	-012	-034	.314	.104
82	INTERSCYE	.369	.346	-001	.158	-110	-132	.037	-008	.076	.046
83	INTERSCYE, MAXIMUM	.263	.235	-025	.106	-014	-053	.037	.057	.008	-001
84	BACK CURVATURE	.195	.318	-025	.215	-066	-093	-027	-032	.148	.105
85	WAIST BACK	-050	-026	-031	.086	.020	.033	.064	.026	.002	-039
86	ANTERIOR WAIST LTH	.032	.081	.108	.067	-079	-073	.031	.026	.104	.038
87	SLEEVE INSEAM	.027	-071	-001	.017	-020	-082	-031	-056	.025	-008
88	SPINE-TO-SCYE LGTH	.220	.235	-015	.088	-078	-096	.097	.118	-016	-015
89	SPINE-TO-ELBOW LTH	.246	.148	.021	.042	-019	-065	.039	.006	.003	-066
90	SPINE-TO-WRIST LTH	.215	.133	.017	.060	-056	-120	.065	-006	.014	-057
91	HAND LENGTH	-008	.000	.036	.021	-129	-206	.227	.104	.003	-007
92	HAND BREADTH	.014	.015	.008	.005	-153	-191	.317	.106	-046	-090
93	HAND CIRCUMFERENCE	.051	.016	.032	.029	-201	-266	.361	.156	-055	-063
94	FOOT LENGTH	-035	-046	-014	.025	-089	-168	.166	.068	-027	-024
95	FOOT BREADTH	.002	-023	-030	-005	-062	-102	.156	.002	-128	-070
96	HEAD LENGTH	-025	.051	.065	-077	-065	-052	.045	.025	-028	-102
97	HEAD BREADTH	-011	.008	.001	.072	-065	-044	.008	.044	-004	-012
98	HEAD CIRCUMFERENCE	-003	.016	.008	-007	-062	-063	.011	-010	-066	-058
104	MENTON-TOP HEAD	.024	.037	.018	-056	-079	-063	.018	-038	-120	-079
107	PRONASALE TO WALL	.019	-003	.055	-041	-074	-086	.022	-073	.012	-083
111	SAGITTAL CURVATURE	.149	.094	.096	.110	-004	-019	.068	-011	.139	.068
112	BITRAGION-CORONAL	-084	-021	-088	-117	-067	-061	-052	-064	-152	-132
115	BITRAGION BREADTH	-257	-119	-210	-195	-253	-323	-129	-076	-274	-305
121	MENTON-SELLION LTH	-094	-039	-033	-110	-142	-141	-030	-021	-087	-108
125	GRIP STRENGTH	-334	-278	-178	-314	-337	-425	-136	-131	-326	-364

TABLE XXXI

TWO AND THREE STEP PARTIAL CORRELATION COEFFICIENTS

WEIGHT-STATURE PARTIALED OUT ABOVE DIAGONAL**WEIGHT-STATURE-AGE BELOW IT

		76	77	78	79	80	81	82	83	84	85
1	AGE	.169	-065	-241	-013	.226	.242	.080	.066	.028	-019
2	WEIGHT										
3	TRICEPS SKINFOLD	.069	.130	.021	-073	.014	.020	-079	-026	-056	-021
4	SUBSCAPULAR SKINFD	.246	.108	-100	-046	.109	.120	.036	.058	.089	-045
5	SUPRAILIAC SKINFLD	.162	.029	.030	-075	.119	.0 4	.001	.041	-037	-018
6	MEDIAL CALF SKINFD	.033	.108	.095	-092	-076	-103	-139	-114	-038	.012
7	STATURE										
8	STATURE, MAXIMUM	-026	-009	.099	.016	.017	-029	.025	.021	.029	.083
9	CERVICALE HEIGHT	.022	-016	.083	.071	.000	-087	-030	.044	-034	.218
10	ACROMIAL HEIGHT	.044	.024	.007	-306	-091	-153	-007	-013	.072	-018
11	SUPRASTERNALE HGHT	-035	-000	.068	-030	-113	-104	-057	-088	-067	-109
12	BUSTPOINT HEIGHT	-008	.013	.092	-070	-628	-645	-071	-097	-036	-106
13	WAIST HEIGHT	.045	.072	.151	.001	-071	-136	-040	-014	-065	-424
14	ABDOMINAL EXTEN HT	-101	.015	.187	.005	-131	-177	-049	-045	-031	-303
15	TROCHANTERIC H'GHT	.099	.090	.155	.026	-150	-176	-056	-143	.010	-298
16	BUTTOCK HEIGHT	.154	.099	.175	-071	-079	-107	-009	-024	.034	-340
17	GLUTEAL FURROW HGT	.092	.005	.150	-001	-104	-144	-007	-022	.003	-297
18	TIBIALE HEIGHT	-018	.025	.159	.034	-009	-073	.014	.127	-091	-237
19	CROTCH HEIGHT	.051	.020	.220	.021	-130	-189	-027	-028	-030	-292
20	ANKLE HEIGHT	.039	.013	-034	.017	.068	.020	.084	.178	-089	-025
21	LAT'L MALLEOLUS HT	-020	-064	.053	-096	-023	.009	-012	-030	.003	-020
22	SITTING HT,RELAXED	-129	-066	-180	.013	.118	.149	-007	.038	-012	.313
23	SITTING HEIGHT	-126	-048	-150	.013	.098	.136	.020	.020	.010	.392
24	EYE HEIGHT,SITTING	-091	-064	-045	.023	.127	.147	.027	.057	.015	.319
25	MIDSHOULDER HT,SIT	-043	.010	-161	-071	.079	.066	.050	.029	.051	.407
26	WAIST HGHT,SITTING	.005	.033	-043	-026	.077	.079	.000	.062	-016	-188
27	ELBOW REST HEIGHT	-042	.011	-063	-194	.057	.048	-025	.016	.023	.314
28	POPLITEAL HEIGHT	-014	-020	.165	-011	-090	-125	-028	.011	-002	-208
29	BUTTOCK-POPLIT'L L	.141	.216	.099	-056	-110	-132	-048	-050	-046	-237
30	BUTTOCK-KNEE LNGTH	.142	.306	.178	-023	-144	-196	-096	-088	-068	-275
31	ACROMION-RADIALE L	.057	-071	.047	-035	-004	-035	-018	-039	.113	-170
32	RADIALE-STYLION L	.004	-005	.081	.053	-063	-079	-030	.018	-058	-139
33	THUMB-TIP REACH	.055	.013	-071	.052	-026	-046	.075	.009	.023	-063
34	THUMB-TIP,EXTENDED	.007	.048	.025	.108	-041	-060	-022	.023	-022	-063
35	OVERHEAD REACH	-028	.006	.034	.098	-060	-083	-014	-044	-025	-071
36	NECK CIRCUMFERENCE	-032	-046	-054	-034	-001	.117	.086	.106	.058	.046
37	SHOULDER CIRCUMFER	-031	-106	-055	.245	.069	.154	.449	.271	.305	-026
38	CHEST CIRC AT SCYE	.063	-105	-146	.090	.175	.229	.361	.276	.286	-078
39	BUST CIRCUMFERENCE	.161	-090	-174	-037	.377	.398	.263	.149	.268	-052
40	CHEST C BELOW BUST	.136	-119	-137	-017	.049	.076	.219	.159	.335	.010
41	WAIST CIRCUMFERNCE	.383	.002	-178	-035	.129	.175	.150	.094	.179	.072
42	ABDOMINAL EXT CIRC	.443	.063	-163	-050	.130	.127	.067	.083	.096	-080
43	HIP C-7" BLW WAIST	.148	.299	-021	-067	-039	-036	-029	-015	-001	-024
44	HIP C-9" BLW WAIST	-060	.271	.038	.016	-040	-076	-107	-025	-099	-024
45	UPPER THIGH CIRCUM	-108	.259	.236	-019	-113	-158	-164	-077	-154	-069
46	KNEE CIRCUMFERENCE	-174	.051	.156	-022	-146	-173	-161	-097	-159	.035
47	CALF CIRCUM, RIGHT	-298	-027	.154	.063	-189	-200	-139	-118	-106	.103
49	ANKLE CIRCUMFERNCE	-273	-065	.079	.067	-120	-146	-085	-038	-091	.129
50	VERTICAL TRUNK CIR	.041	.147	-152	-080	.090	.095	-037	-055	-015	.250
51	VERT TRUNK CIR,SIT	.025	.092	-186	-078	.102	.106	.017	.010	.064	.300

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TABLE XXXI

TWO AND THREE STEP PARTIAL CORRELATION COEFFICIENTS

WEIGHT-STATURE PARTIALED OUT ABOVE DIAGONAL**WEIGHT-STATURE-AGE BELOW IT

		76	77	78	79	80	81	82	83	84	85
52	BUTTOCK CIRC, SIT	.162	.265	-069	-051	.024	-006	-069	-008	-068	-064
53	SCYE CIRCUMFERENCE	.052	-032	-058	-103	.089	.122	.047	.123	.104	-032
54	AXILLARY ARM CIRC	.043	-004	-043	.007	.078	.119	.047	.087	.035	-040
55	BICEPS CIR,RELAX,R	-014	-038	-022	-046	-002	.033	-024	-005	-034	.011
56	BICEPS CIR, FLEX,R	-054	-050	.016	-064	.003	.044	-025	.022	-019	.019
59	ELBOW CIRC, FLEXED	-101	-037	.030	.019	-047	-020	.014	-002	-027	.027
60	FOREARM CIR, RELAX	-185	-101	.019	.026	-099	-048	.018	.037	.002	.085
61	FOREARM CIR,FLEXED	-193	-094	.023	.036	-077	-025	.027	.042	-016	.082
62	WRIST CIRCUMFERNCE	-151	-120	.033	.060	.003	.024	.020	.061	.033	.112
63	BIACROMIAL BREADTH	-116	-122	-077	.545	-005	.058	.262	.187	.075	.025
64	BIDELTOID BREADTH	-022	-015	-073	.224	.067	.131	.372	.266	.197	-051
65	CHEST BREADTH	.031	-150	-030	.062	.055	.123	.351	.240	.319	-028
66	BUSTPT-BUSTPT BRTH	.033	-094	-099	-038	.227	.240	.001	-023	-024	-032
67	WAIST BREADTH	.157	-013	-132	-006	.068	.095	.153	.103	.214	.087
68	HIP BREADTH	-073	.105	.005	.040	-020	-057	-108	-012	-066	.019
69	THIGH-THIGH BR,SIT	.004	.179	-124	-011	-017	-053	-119	-043	-088	.030
70	HUMERAL BREADTH, R	-177	-142	.039	.033	-020	-000	.041	.040	-026	.063
72	FEMORAL BREADTH, R	-085	-174	.164	-012	-001	-029	-007	.058	-031	.026
74	CHEST DEPTH	.209	-010	-115	-095	.365	.343	.089	.019	.151	-001
75	WAIST DEPTH	.621	.115	-143	-086	.139	.141	.059	.010	.109	-042
76	ABDOMINAL EXT DPTH		.248	-060	-105	.069	.045	.045	-011	.078	-120
77	BUTTOCK DEPTH	.264		.080	-078	-057	-055	-048	-099	-043	-065
78	THIGH CLEARANCE	-021	.066		-015	-110	-153	-066	-022	-081	-080
79	SHOULDER LENGTH	-104	-079	-018		.190	.079	.147	.161	-088	.065
80	NECK-BUST POINT L	.033	-043	-059	.198		.848	.080	.150	-011	.020
81	STRAP LENGTH	.004	-041	-100	.084	.839		.160	.149	.065	.011
82	INTERSCYE	.032	-043	-048	.149	.064	.145		.393	.322	.077
83	INTERSCYE, MAXIMUM	-023	-095	-006	.162	.139	.137	.390		.137	.004
84	BACK CURVATURE	.075	-041	-076	-088	-018	.060	.321	.136		.064
85	WAIST BACK	-118	-067	-087	.064	.025	.016	.079	.005	.065	
86	ANTERIOR WAIST LTH	-013	-078	-088	-026	.096	.156	.005	-021	.031	.272
87	SLEEVE INSEAM	.017	.034	.014	.191	-063	-115	.023	.041	-067	-116
88	SPINE-TO-SCYE LGTH	-037	-144	.028	.122	.078	.096	.438	.351	.171	.023
89	SPINE-TO-ELBOW LTH	-083	-112	-043	.294	.005	.013	.224	.186	.161	-065
90	SPINE-TO-WRIST LTH	-087	-076	-003	.258	-042	-038	.181	.163	.121	-117
91	HAND LENGTH	-068	-115	.092	.119	.001	-038	-047	-057	-000	-025
92	HAND BREADTH	-151	-147	.037	.051	-012	-011	-006	.036	.031	.040
93	HAND CIRCUMFERENCE	-169	-158	.065	.039	-016	-000	-029	.018	-036	.074
94	FOOT LENGTH	-062	-065	.031	.118	-021	-052	-027	-010	-018	-015
95	FOOT BREADTH	-083	-055	-008	.063	-115	-101	-051	-088	-053	.003
96	HEAD LENGTH	-104	-044	.031	.048	-063	-049	-006	-054	-023	-040
97	HEAD BREADTH	-015	-110	-008	-011	.018	.020	.005	.012	.036	-044
98	HEAD CIRCUMFERENCE	-078	-002	.035	.081	-048	-025	.005	-063	-036	-027
104	MENTON-TOP HEAD	-103	-000	-039	.047	-096	-041	.024	-099	-066	-042
107	PRONASALE TO WALL	-075	.013	.004	.100	-064	-075	-005	-059	-060	.000
111	SAGITTAL CURVATURE	.082	.129	.052	.080	-017	-020	.069	.035	.030	.005
112	BITRAGION-CORONAL	-156	-097	-108	.036	-067	-073	-010	-046	-100	.024
115	BITRAGION BREADTH	-413	-383	-232	.037	-179	-197	-137	-091	-150	.017
121	MENTON-SELLION LTH	-125	-100	-034	.002	-084	-080	-075	-118	-100	-004
125	GRIP STRENGTH	-460	-381	-205	-005	-216	-239	-149	-164	-243	-005

TABLE XXXI

TWO AND THREE STEP PARTIAL CORRELATION COEFFICIENTS

WEIGHT-STATURE PARTIALED OUT ABOVE DIAGONAL**WEIGHT-STATURE-AGE BELOW IT

		86	87	88	89	90	91	92	93	94	95
1	AGE	-042	-136	.066	.056	-007	.044	.072	.044	-025	-076
2	WEIGHT										
3	TRICEPS SKINFOLD	.026	-076	-092	-066	-107	-146	-207	-166	-208	-191
4	SUBSCAPULAR SKINFD	.039	-030	-048	-054	-066	-122	-188	-177	-146	-180
5	SUPRAILIAC SKINFLD	.082	-062	-011	-077	-103	-091	-163	-135	-133	-171
6	MEDIAL CALF SKINFD	.034	-040	-130	-121	-149	-151	-136	-139	-161	-092
7	STATURE										
8	STATURE, MAXIMUM	.004	.056	.028	.052	.087	.088	.037	.035	.122	-011
9	CERVICALE HEIGHT	-090	.266	-020	.059	.173	.086	-007	-007	.114	-037
10	ACROMIAL HEIGHT	-064	.142	-004	-006	.116	.055	-003	.005	.063	-013
11	SUPRASTERNALE HGHT	.147	.208	-068	.031	.154	.113	-011	.025	.102	.006
12	BUSTPOINT HEIGHT	.002	.239	-082	.028	.157	.053	-021	-004	.046	.065
13	WAIST HEIGHT	-589	.323	-034	.130	.258	.162	-027	-046	.161	.036
14	ABDOMINAL EXTEN HT	-332	.353	-029	.148	.289	.197	.015	.001	.162	.036
15	TROCHANTERIC H'GHT	-276	.384	-110	.135	.290	.207	.007	-030	.182	.083
16	BUTTOCK HEIGHT	-239	.346	-027	.088	.247	.145	-025	-021	.128	-012
17	GLUTEAL FURROW HGT	-242	.392	-029	.139	.286	.126	-030	-041	.118	.023
18	TIBIALE HEIGHT	-188	.407	.042	.119	.290	.054	.033	.038	.160	.027
19	CROTCH HEIGHT	-261	.466	-044	.161	.347	.182	.026	-002	.220	.032
20	ANKLE HEIGHT	-016	.247	.039	.040	.127	-160	.051	.049	.090	.079
21	LAT'L MALLEOLUS HT	.002	-115	.030	-059	-096	.072	.052	.079	-040	-003
22	SITTING HT,RELAXED	.284	-403	.039	-130	-300	-144	-007	-003	-145	-061
23	SITTING HEIGHT	.292	-411	.028	-148	-318	-151	-002	.007	-133	-055
24	EYE HEIGHT,SITTING	.266	-402	.052	-127	-292	-121	-007	-011	-150	-098
25	MIDSHOULDER HT,SIT	.228	-328	.043	-167	-271	-148	-015	.005	-132	-052
26	WAIST HGHT,SITTING	-156	-183	.007	-049	-123	-087	-053	-070	-068	-067
27	ELBOW REST HEIGHT	.257	-506	.031	-354	-461	-147	-033	-013	-166	-088
28	POPLITEAL HEIGHT	-146	.251	.029	.107	.237	.222	.112	.091	.191	.044
29	BUTTOCK-POPLIT'L L	-188	.265	-078	.058	.159	.062	-078	-106	.058	-010
30	BUTTOCK-KNEE LNGTH	-233	.359	-118	.090	.212	.063	-068	-082	.100	.014
31	ACROMION-RADIALE L	-156	.468	-052	.432	.482	.242	.062	.036	.136	.005
32	RADIALE-STYLION L	-152	.613	-047	.174	.479	.101	.073	.072	.237	.105
33	THUMB-TIP REACH	-111	.440	.058	.255	.379	.211	.122	.111	.239	.105
34	THUMB-TIP,EXTENDED	-095	.390	-032	.194	.317	.127	.067	.030	.166	.100
35	OVERHEAD REACH	-072	.414	-077	.221	.345	.124	.045	.031	.177	.126
36	NECK CIRCUMFERENCE	.002	.067	.011	.026	.091	-062	.166	.089	.039	.047
37	SHOULDER CIRCUMFER	.083	.014	.281	.314	.264	.072	.065	.058	-048	-037
38	CHEST CIRC AT SCYE	.080	-066	.262	.185	.141	-020	.043	.087	-062	-059
39	BUST CIRCUMFERENCE	.166	-069	.167	.083	.050	-048	-019	-010	-079	-144
40	CHEST C BELOW BUST	.124	-057	.145	.096	.078	-012	.024	.013	-051	-075
41	WAIST CIRCUMFERNCE	.126	.020	.039	-005	.014	-026	-077	-037	-018	-066
42	ABDOMINAL EXT CIRC	-012	-104	.005	-043	-095	-137	-116	-171	-176	-152
43	HIP C-7" BLW WAIST	-058	-047	-067	-086	-090	-131	-166	-192	-119	-079
44	HIP C-9" BLW WAIST	-107	-044	-101	-069	-099	-166	-178	-211	-114	-069
45	UPPER THIGH CIRCUM	-093	-034	-103	-110	-123	-149	-162	-177	-158	-084
46	KNEE CIRCUMFERENCE	-044	-005	-079	-107	-100	-053	-012	.030	.037	.084
47	CALF CIRCUM, RIGHT	-027	.008	-090	-027	-055	.006	.053	.061	.076	.178
49	ANKLE CIRCUMFERNCE	.021	-005	-035	-048	-049	.043	.166	.216	.193	.237
50	VERTICAL TRUNK CIR	.281	-312	-050	-198	-274	-177	-076	-004	-152	-053
51	VERT TRUNK CIR,SIT	.220	-315	.000	-157	-250	-159	-065	-009	-130	-062

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TWO AND THREE STEP PARTIAL CORRELATION COEFFICIENTS

WEIGHT-STATURE PARTIALED OUT ABOVE DIAGONAL**WEIGHT-STATURE-AGE BELOW IT

		86	87	88	89	90	91	92	93	94	95
52	BUTTOCK CIRC, SIT	-104	-048	-056	-063	-085	-144	-159	-213	-090	-078
53	SCYE CIRCUMFERENCE	.041	-080	.063	.066	.083	.042	.116	.215	-002	.002
54	AXILLARY ARM CIRC	.100	-130	.046	.000	-033	-132	-031	.077	-181	-116
55	BICEPS CIR,RELAX,R	.063	-189	-001	-086	-115	-092	-001	.079	-170	-101
56	BICEPS CIR, FLEX,R	.067	-156	.002	-067	-081	-015	.067	.145	-132	-065
59	ELBOW CIRC, FLEXED	.020	.048	.018	-001	.074	.142	.138	.261	.104	.110
60	FOREARM CIR, RELAX	.029	-019	.059	.049	.084	.143	.245	.372	.096	.135
61	FOREARM CIR,FLEXED	.050	-025	.054	.020	.054	.139	.215	.373	.075	.124
62	WRIST CIRCUMFERNCE	.062	.033	.067	.076	.118	.297	.419	.572	.258	.273
63	BIACROMIAL BREADTH	-025	.163	.208	.359	.342	.102	.100	.125	.103	.120
64	BIDELTOID BREADTH	.029	.018	.224	.249	.214	-006	.018	.053	-036	-003
65	CHEST BREADTH	.076	-083	.240	.153	.131	.005	.022	.020	-048	-030
66	BUSTPT-BUSTPT BRTH	.107	-004	-013	.022	.017	.037	.009	.033	-014	-032
67	WAIST BREADTH	.069	.024	.084	.039	.060	.018	.001	.027	.026	-001
68	HIP BREADTH	-080	-023	-076	-017	-057	-128	-150	-200	-089	-064
69	THIGH-THIGH BR,SIT	-078	-100	-085	-057	-119	-198	-178	-257	-170	-111
70	HUMERAL BREADTH, R	.029	-037	.100	.041	.065	.228	.319	.363	.165	.152
72	FEMORAL BREADTH, R	.025	-058	.119	.007	-006	.105	.107	.157	.067	.000
74	CHEST DEPTH	.095	-000	-004	.013	.012	.010	-033	-046	-031	-139
75	WAIST DEPTH	.031	-031	-003	-055	-057	.001	-076	-055	-028	-082
76	ABDOMINAL EXT DPTH	-019	-006	-025	-072	-086	-060	-137	-159	-065	-094
77	BUTTOCK DEPTH	-075	.042	-148	-115	-075	-118	-151	-160	-063	-049
78	THIGH CLEARANCE	-075	.047	.012	-055	-001	.079	.019	.052	.036	.010
79	SHOULDER LENGTH	-026	.191	.121	.293	.258	.118	.050	.039	.119	.064
80	NECK-BUST POINT L	.084	-091	.091	.018	-042	.011	.004	-005	-026	-129
81	STRAP LENGTH	.141	-143	.109	.026	-039	-026	.006	.010	-056	-116
82	INTERSCYE	.002	.012	.441	.227	.180	-043	.000	-026	-029	-057
83	INTERSCYE, MAXIMUM	-024	.032	.354	.189	.162	-054	.040	.021	-011	-092
84	BACK CURVATURE	.030	-070	.172	.163	.120	.001	.032	-035	-019	-055
85	WAIST BACK	.273	-112	.022	-066	-117	-026	.039	.073	-014	.004
86	ANTERIOR WAIST LTH		-184	-001	-108	-154	-095	-016	.035	-125	-084
87	SLEEVE INSEAM	-191		-054	.414	.633	.101	.022	-013	.205	.107
88	SPINE-TO-SCYE LGTH	.002	-046		.459	.362	.014	.070	.086	-007	-056
89	SPINE-TO-ELBOW LTH	-106	.427	.457		.865	.120	.094	.058	.104	.036
90	SPINE-TO-WRIST LTH	-154	.638	.364	.867		.178	.140	.112	.208	.106
91	HAND LENGTH	-093	.108	.011	.118	.178		.339	.343	.510	.206
92	HAND BREADTH	-013	.032	.066	.090	.141	.337		.663	.285	.312
93	HAND CIRCUMFERENCE	.037	-007	.083	.055	.112	.342	.662		.263	.346
94	FOOT LENGTH	-127	.203	-006	.105	.208	.512	.288	.265		.361
95	FOOT BREADTH	-087	.098	-051	.040	.106	.211	.319	.351	.360	
96	HEAD LENGTH	-073	-011	.034	.034	.046	.149	.092	.075	.129	.063
97	HEAD BREADTH	-060	-033	.060	.041	.027	.036	.126	.050	.077	.031
98	HEAD CIRCUMFERENCE	-078	.071	.009	.056	.100	.132	.116	.075	.197	.117
104	MENTON-TOP HEAD	-023	.028	-014	.025	.058	.115	.082	.057	.159	.159
107	PRONASALE TO WALL	-066	.137	-030	.050	.113	.131	.040	.045	.167	.129
111	SAGITTAL CURVATURE	-044	.130	.013	.078	.146	.110	.039	.086	.140	.106
112	BITRAGION-CORONAL	-073	.045	-035	-004	.014	-058	.082	-018	.028	.059
115	BITRAGION BREADTH	-070	.059	-058	-014	-014	-056	-183	-072	.005	.044
121	MENTON-SELLION LTH	-054	.014	-047	-014	.019	.094	-008	.024	.115	.105
125	GRIP STRENGTH	-117	.119	-115	-049	.014	.013	-088	-085	.025	.024

TABLE XXXI

TWO AND THREE STEP PARTIAL CORRELATION COEFFICIENTS

WEIGHT-STATURE PARTIALED OUT ABOVE DIAGONAL**WEIGHT-STATURE-AGE BELOW IT

		96	97	98	104	107	111	112	115	121	125
1	AGE	.072	.133	.018	.028	.087	.095	.044	.034	-018	.053
2	WEIGHT										
3	TRICEPS SKINFOLD	-100	-033	-139	-081	-105	-022	-149	-199	-128	-293
4	SUBSCAPULAR SKINFD	-123	-053	-120	-081	-073	.076	-127	-204	-126	-305
5	SUPRAILIAC SKINFLD	-109	-044	-148	-124	-101	.024	-229	-275	-144	-316
6	MEDIAL CALF SKINFD	-043	-022	-066	-039	-064	-022	-046	-153	-103	-204
7	STATURE										
8	STATURE, MAXIMUM	.057	.007	.072	-016	.030	.022	.025	.006	.031	.041
9	CERVICALE HEIGHT	-080	-088	-110	-191	.050	.131	-161	-099	-062	-045
10	ACROMIAL HEIGHT	-059	-034	-077	-132	.029	.122	-130	-069	-030	-057
11	SUPRASTERNALE HGHT	-045	-118	-066	-088	.039	.102	-162	-091	-019	-035
12	BUSTPOINT HEIGHT	-012	-084	-031	-058	.055	.090	-072	.025	.012	.058
13	WAIST HEIGHT	.011	-012	.001	-073	.071	.114	-103	-021	-007	.021
14	ABDOMINAL EXTEN HT	.016	-042	-003	-035	.073	.101	-108	-013	.022	.069
15	TROCHANTERIC H'GHT	.029	-044	.072	.017	.106	.139	-080	-012	.050	.057
16	BUTTOCK HEIGHT	-005	-028	-019	-092	.019	.079	-150	-075	.012	.012
17	GLUTEAL FURROW HGT	-014	-005	.002	-082	.072	.122	-079	-010	-017	.022
18	TIBIALE HEIGHT	-034	-004	-009	-050	.072	.109	-032	-001	-053	.049
19	CROTCH HEIGHT	.027	-040	.043	-027	.077	.118	-073	-040	.035	.043
20	ANKLE HEIGHT	-072	-042	-005	-005	.076	.078	.119	.011	-053	.072
21	LAT'L MALLEOLUS HT	.015	.028	-037	-014	-041	-054	-049	-059	-052	-014
22	SITTING HT,RELAXED	.022	.020	.006	.050	-047	-091	.121	.044	-009	-050
23	SITTING HEIGHT	.017	.018	.023	.048	-032	-078	.136	.036	-005	-070
24	EYE HEIGHT,SITTING	-026	-021	-078	-112	-042	-050	-004	-020	-013	-080
25	MIDSHOULDER HT,SIT	-065	-005	-053	-068	-019	.002	.041	-002	-037	-099
26	WAIST HGHT,SITTING	-025	-002	-066	-068	-042	-023	-006	-030	-063	-113
27	ELBOW REST HEIGHT	-038	-006	-071	-079	-099	-086	.006	-035	-027	-099
28	POPLITEAL HEIGHT	.038	-011	.001	-041	.027	.065	-135	-085	.014	.024
29	BUTTOCK-POPLIT'L L	.000	-064	.013	-017	.056	.122	-088	-119	-000	-051
30	BUTTOCK-KNEE LNGTH	-004	-098	.000	-034	.069	.149	-154	-220	-006	-116
31	ACROMION-RADIALE L	.042	-009	.025	-027	.028	.063	-090	-047	.005	.008
32	RADIALE-STYLION L	.005	-006	.101	.065	.127	.123	.047	-019	.044	.085
33	THUMB-TIP REACH	-004	.031	.046	.071	.093	.108	-052	-042	.006	.013
34	THUMB-TIP,EXTENDED	.043	-037	.108	.027	.111	.109	.053	-013	.033	.009
35	OVERHEAD REACH	.002	-021	.078	.040	.120	.125	-008	-013	.033	.059
36	NECK CIRCUMFERENCE	.001	.141	.135	.100	.080	.095	.175	-217	-051	-209
37	SHOULDER CIRCUMFER	.036	.014	.025	.024	.023	.174	-090	-265	-107	-380
38	CHEST CIRC AT SCYE	-012	.008	-037	-022	.034	.189	-060	-274	-137	-341
39	BUST CIRCUMFERENCE	-004	.036	-042	-062	.021	.169	-117	-322	-136	-378
40	CHEST C BELOW BUST	-012	.053	-044	-039	-019	.126	-116	-222	-150	-359
41	WAIST CIRCUMFERNCE	-133	.048	-051	-085	-055	.156	-191	-291	-136	-427
42	ABDOMINAL EXT CIRC	-146	.052	-133	-168	-135	.039	-182	-307	-206	-448
43	HIP C-7" BLW WAIST	-112	-030	-110	-113	-062	.126	-226	-469	-206	-579
44	HIP C-9" BLW WAIST	-074	-050	-070	-076	-063	.078	-143	-421	-202	-562
45	UPPER THIGH CIRCUM	-057	-043	-084	-084	-074	.077	-187	-412	-174	-534
46	KNEE CIRCUMFERENCE	-052	-000	-001	.026	-021	.049	-107	-253	-090	-337
47	CALF CIRCUM, RIGHT	.006	-025	.007	.047	-002	.024	-085	-237	-072	-313
49	ANKLE CIRCUMFERNCE	.015	-000	.035	.065	.041	.027	-013	-101	-023	-157
50	VERTICAL TRUNK CIR	-062	-043	-053	-035	.015	.060	.010	-187	-092	-256
51	VERT TRUNK CIR,SIT	-079	-034	-088	-083	-026	.033	-006	-150	-104	-214

ALL ENTRIES ON THIS PAGE ARE ABOVE THE DIAGONAL

TABLE XXXI

TWO AND THREE STEP PARTIAL CORRELATION COEFFICIENTS

WEIGHT-STATURE PARTIALED OUT ABOVE DIAGONAL**WEIGHT-STATURE-AGE BELOW IT

		96	97	98	104	107	111	112	115	121	125
52	BUTTOCK CIRC, SIT	-086	-051	-090	-091	-056	.115	-174	-460	-196	-587
53	SCYE CIRCUMFERENCE	-058	-014	-083	-027	-004	.121	-085	-248	-084	-300
54	AXILLARY ARM CIRC	-084	-019	-107	-083	-053	.117	-131	-391	-188	-470
55	BICEPS CIR,RELAX,R	-037	-046	-100	-038	-028	.111	-147	-405	-159	-492
56	BICEPS CIR, FLEX,R	-015	-056	-079	-019	-024	.097	-143	-403	-126	-458
59	ELBOW CIRC, FLEXED	.054	-040	.017	.065	.071	.107	-017	-127	.018	-086
60	FOREARM CIR, RELAX	.041	.001	.041	.082	.073	.164	-066	-255	-041	-345
61	FOREARM CIR,FLEXED	.045	-003	.029	.075	.050	.146	-066	-241	-043	-311
62	WRIST CIRCUMFERNCE	.048	.005	.038	.038	.043	.105	-077	-092	.016	-110
63	BIACROMIAL BREADTH	.059	.050	.106	.138	.092	.084	.058	.000	.006	-027
64	BIDELTOID BREADTH	-020	-002	-002	.026	.025	.154	-081	-254	-095	-330
65	CHEST BREADTH	.058	.020	.018	.039	.005	.102	-016	-115	-041	-271
66	BUSTPT-BUSTPT BRTH	.066	.004	.008	.019	.057	.098	-086	-209	-034	-177
67	WAIST BREADTH	-081	.064	-007	-057	-045	.105	-119	-196	-109	-316
68	HIP BREADTH	-063	-061	-062	-079	-071	-001	-066	-252	-142	-335
69	THIGH-THIGH BR,SIT	-041	-024	-060	-059	-072	-005	-054	-315	-143	-413
70	HUMERAL BREADTH, R	.049	.015	.012	.019	.026	.072	-049	-127	-031	-133
72	FEMORAL BREADTH, R	.027	.046	-010	-038	-071	-009	-063	-075	-021	-129
74	CHEST DEPTH	-014	.019	-062	-113	.027	.153	-142	-264	-088	-311
75	WAIST DEPTH	-088	.011	-054	-073	-066	.083	-122	-295	-109	-349
76	ABDOMINAL EXT DPTH	-090	.008	-073	-097	-059	.096	-147	-402	-126	-443
77	BUTTOCK DEPTH	-048	-118	-003	-002	.007	.122	-100	-384	-099	-383
78	THIGH CLEARANCE	.012	-039	.029	-045	-018	.027	-116	-233	-028	-211
79	SHOULDER LENGTH	.047	-012	.081	.047	.098	.078	.035	.036	.002	-006
80	NECK-BUST POINT L	-045	.047	-042	-087	-042	.005	-055	-166	-086	-198
81	STRAP LENGTH	-030	.051	-020	-033	-052	.004	-060	-182	-082	-219
82	INTERSCYE	-001	.016	.006	.026	.002	.076	-007	-134	-076	-144
83	INTERSCYE, MAXIMUM	-049	.021	-062	-096	-053	.041	-043	-089	-119	-160
84	BACK CURVATURE	-020	.040	-036	-065	-057	.033	-098	-148	-100	-241
85	WAIST BACK	-041	-046	-027	-042	-002	.003	.023	.017	-003	-006
86	ANTERIOR WAIST LTH	-075	-065	-078	-024	-069	-048	-074	-071	-054	-119
87	SLEEVE INSEAM	-021	-051	.067	.024	.123	.115	.039	.054	.017	.111
88	SPINE-TO-SCYE LGTH	.039	.069	.010	-012	-024	.019	-032	-056	-048	-111
89	SPINE-TO-ELBOW LTH	.038	.048	.057	.027	.054	.082	-001	-012	-015	-046
90	SPINE-TO-WRIST LTH	.045	.026	.100	.058	.112	.145	.013	-015	.019	.013
91	HAND LENGTH	.152	.042	.133	.116	.134	.113	-056	-054	.093	.015
92	HAND BREADTH	.096	.134	.117	.084	.046	.046	.085	-180	-010	-084
93	HAND CIRCUMFERENCE	.078	.055	.076	.059	.049	.090	-016	-071	.023	-083
94	FOOT LENGTH	.127	.073	.196	.159	.164	.137	.027	.005	.116	.024
95	FOOT BREADTH	.058	.021	.115	.156	.121	.098	.055	.041	.106	.020
96	HEAD LENGTH		.035	.644	.306	.522	.329	.382	-050	.189	.015
97	HEAD BREADTH	.026		.365	.103	-022	-002	.163	.190	-055	-121
98	HEAD CIRCUMFERENCE	.644	.366		.382	.404	.252	.531	.083	.129	-024
104	MENTON-TOP HEAD	.305	.101	.382		.205	-075	.331	.024	.339	.074
107	PRONASALE TO WALL	.519	-034	.404	.203		.774	.204	-057	.113	.045
111	SAGITTAL CURVATURE	.325	-015	.252	-078	.772		-075	-014	.049	-097
112	BITRAGION-CORONAL	.380	.158	.531	.330	.201	-080		.188	.136	-050
115	BITRAGION BREADTH	-052	.187	.082	.023	-060	-017	.187		-055	-048
121	MENTON-SELLION LTH	.191	-053	.130	.340	.115	.051	.137	-054		.028
125	GRIP STRENGTH	.011	-129	-025	.072	.041	-103	-053	-050	.029	

SECTION XIV

REGRESSION ESTIMATES

For the user of this handbook who wishes the regression estimates of all or many of the measurements corresponding to a particular value of weight, table XXXII has been included. This table lists estimates of all the other measurements based on selected values of weight.

Similar estimates for selected values of stature are given in table XXXIII. Multiple regression estimates corresponding to selected combinations of weight and stature for some fifty-one variables appear in table XXXIV.

Values in these three tables are, without exception, in *units one-tenth as large* as those used elsewhere in this section of the report. The metric units are millimeters and hectograms (100 grams) ; the English ones are deci-inches and deci-pounds. By the use of these units, it has been possible to eliminate decimal points from these tables and to include more values in the same space.

Metric values appear on the left hand (even numbered) pages; English values on the right hand pages for all three tables. The blank entries in the upper-left corners and lower-right corners of the tables in table XXXIV correspond to weight-stature combinations which occur with quite small frequencies and which are outside the range of values for which our sample provides much useful information.

TABLE XXXII
REGRESSION ESTIMATES CORRESPONDING TO SELECTED VALUES OF WEIGHT---METRIC VALUES

WEIGHT IN KILOGRAMS..	42	46	50	54	58	62	66	70	74	78	82
1 AGE	20	21	22	23	23	24	25	26	27	27	28
3 TRICEPS SKINFOLD	12	14	16	17	19	21	23	24	26	28	30
4 SUBSCAPULAR SKINFD	7	9	10	12	13	14	16	17	19	20	22
5 SUPRAILIAC SKINFLD	11	13	15	18	20	22	24	26	29	31	33
6 MEDIAL CALF SKINFD	12	13	14	15	16	17	18	19	20	21	22
7 STATURE	1554	1571	1588	1605	1622	1639	1657	1674	1691	1708	1725
8 STATURE, MAXIMUM	1561	1578	1595	1612	1629	1646	1663	1680	1697	1714	1731
9 CERVICALE HEIGHT	1330	1346	1362	1377	1393	1409	1425	1441	1457	1473	1489
10 ACROMIAL HEIGHT	1256	1272	1288	1304	1320	1336	1352	1368	1384	1400	1417
11 SUPRASTERNALE HGHT	1259	1275	1290	1306	1321	1337	1353	1368	1384	1399	1415
12 BUSTPOINT HEIGHT	1133	1146	1159	1172	1184	1197	1210	1222	1235	1248	1260
13 WAIST HEIGHT	956	968	980	992	1004	1016	1028	1039	1051	1063	1075
14 ABDOMINAL EXT HGT	892	902	912	922	932	943	953	963	973	983	993
15 TROCHANTERIC HGHT	786	796	807	817	828	838	848	859	869	880	890
16 BUTTOCK HEIGHT	782	792	802	813	823	833	844	854	864	875	885
17 GLUTEAL FURROW HGT	697	705	712	720	728	735	743	751	758	766	774
18 TIBIALE HEIGHT	400	405	410	415	420	425	431	436	441	446	451
19 CROTCH HEIGHT	709	718	727	737	746	755	764	774	783	792	801
20 ANKLE HEIGHT	107	109	110	111	112	113	114	115	117	118	119
21 LAT'L MALLEOLUS HT	65	65	66	67	68	69	69	70	71	72	72
22 SITTING HT,RELAXED	812	820	828	836	843	851	859	867	875	883	890
23 SITTING HEIGHT	824	832	840	849	857	865	873	881	889	897	905
24 EYE HEIGHT,SITTING	708	716	723	730	738	745	752	760	767	774	781
25 MIDSHOULDER HT,SIT	552	559	566	574	581	588	595	602	609	616	623
26 WAIST HGHT,SITTING	220	223	227	230	234	238	241	245	248	252	255
27 ELBOW REST HEIGHT	219	221	223	225	227	229	231	234	236	238	240
28 POPLITEAL HEIGHT	396	400	403	407	411	414	418	422	425	429	433
29 BUTTOCK-POPLIT'L L	445	453	461	470	478	486	494	503	511	519	528
30 BUTTOCK-KNEE LNGTH	536	546	556	565	575	585	595	604	614	624	633
31 ACROMION-RADIALE L	295	299	303	307	310	314	318	322	326	329	333
32 RADIALE-STYLION L	223	226	229	231	234	237	240	242	245	248	251
33 THUMB-TIP REACH	706	715	724	733	742	751	760	769	778	787	796
34 THUMB-TIP,EXTENDED	795	806	817	828	839	850	861	872	883	894	905
35 OVERHEAD REACH	1906	1928	1950	1972	1994	2016	2038	2060	2082	2105	2127

VALUES IN YEARS, MILLIMETERS, AND 100-GRAMS

TABLE XXXII
REGRESSION ESTIMATES CORRESPONDING TO SELECTED VALUES OF WEIGHT---ENGLISH VALUES

WEIGHT IN POUNDS.....	90	100	110	120	130	140	150	160	170	180	190
1 AGE	20	21	22	23	24	25	25	26	27	28	29
3 TRICEPS SKINFOLD	5	5	6	7	8	8	9	10	11	12	12
4 SUBSCAPULAR SKINFD	3	3	4	5	5	6	7	7	8	9	9
5 SUPRAILIAC SKINFLD	4	5	6	7	8	9	10	11	12	13	14
6 MEDIAL CALF SKINFD	5	5	6	6	6	7	7	8	8	9	9
7 STATURE	610	618	625	633	640	648	656	663	671	678	686
8 STATURE, MAXIMUM	612	620	628	635	643	651	658	666	673	681	689
9 CERVICALE HEIGHT	522	529	536	543	550	557	564	571	578	586	593
10 ACROMIAL HEIGHT	492	500	507	514	521	528	536	543	550	557	564
11 SUPRASTERNALE HGHT	494	501	508	515	522	529	536	543	550	557	563
12 BUSTPOINT HEIGHT	445	450	456	462	467	473	479	484	490	496	501
13 WAIST HEIGHT	375	380	386	391	396	402	407	412	418	423	428
14 ABDOMINAL EXT HGT	350	354	359	364	368	373	377	382	386	391	395
15 TROCHANTERIC HGHT	308	313	317	322	327	331	336	341	345	350	355
16 BUTTOCK HEIGHT	306	311	316	320	325	330	334	339	344	348	353
17 GLUTEAL FURROW HGT	273	277	280	284	287	291	294	298	301	304	308
18 TIBIALE HEIGHT	157	159	161	164	166	168	171	173	175	177	180
19 CROTCH HEIGHT	278	282	286	290	295	299	303	307	311	315	319
20 ANKLE HEIGHT	42	43	43	44	44	45	45	46	46	47	47
21 LAT'L MALLEOLUS HT	25	26	26	26	27	27	27	28	28	28	29
22 SITTING HT,RELAXED	319	322	326	329	333	336	340	343	347	350	354
23 SITTING HEIGHT	324	327	331	334	338	342	345	349	353	356	360
24 EYE HEIGHT,SITTING	278	281	285	288	291	294	298	301	304	307	311
25 MIDSHOULDER HT,SIT	217	220	223	226	229	232	236	239	242	245	248
26 WAIST HGHT,SITTING	86	88	89	91	92	94	96	97	99	100	102
27 ELBOW REST HEIGHT	86	87	88	89	90	91	92	92	93	94	95
28 POPLITEAL HEIGHT	156	157	159	160	162	164	165	167	169	170	172
29 BUTTOCK-POPLIT'L L	174	178	181	185	189	193	196	200	204	207	211
30 BUTTOCK-KNEE LNGTH	210	214	219	223	227	232	236	240	245	249	253
31 ACROMION-RADIALE L	116	117	119	121	123	124	126	128	129	131	133
32 RADIALE-STYLION L	88	89	90	91	92	94	95	96	97	99	100
33 THUMB-TIP REACH	277	281	285	289	293	297	301	305	309	313	317
34 THUMB-TIP,EXTENDED	312	317	322	327	331	336	341	346	351	356	361
35 OVERHEAD REACH	748	758	767	777	787	797	807	817	827	836	846

VALUES IN YEARS, TENTHS OF INCHES, TENTHS OF POUNDS

TABLE XXXII
REGRESSION ESTIMATES CORRESPONDING TO SELECTED VALUES OF WEIGHT---METRIC VALUES

WEIGHT IN KILOGRAMS..	42	46	50	54	58	62	66	70	74	78	82
36 NECK CIRCUMFERENCE	317	322	328	333	338	343	348	354	359	364	369
37 SHOULDER CIRCUMFER	915	938	960	983	1006	1029	1052	1075	1097	1120	1143
38 CHEST CIRC AT SCYE	759	781	802	823	844	865	887	908	929	950	972
39 BUST CIRCUMFERENCE	802	827	851	875	899	924	948	972	996	1021	1045
40 CHEST C BELOW BUST	663	684	704	724	745	765	786	806	827	847	868
41 WAIST CIRCUMFERNCE	578	602	626	650	674	698	722	746	770	794	818
42 ABDOMINAL EXT CIRC	736	767	797	828	859	890	921	951	982	1013	1044
43 HIP C-7" BLW WAIST	833	859	886	912	939	965	992	1018	1045	1071	1098
44 HIP C-9" BLW WAIST	842	870	898	927	955	983	1012	1040	1069	1097	1125
45 UPPER THIGH CIRCUM	481	500	519	537	556	575	594	513	632	651	670
46 KNEE CIRCUMFERENCE	324	334	344	354	364	374	384	393	403	413	423
47 CALF CIRCUM, RIGHT	306	315	324	333	342	351	360	359	378	387	396
48 CALF CIRCUM, LEFT	307	316	325	334	343	352	361	370	379	388	398
49 ANKLE CIRCUMFERNCE	195	199	203	207	211	215	219	223	227	231	236
50 VERTICAL TRUNK CIR	1432	1460	1489	1518	1547	1575	1604	1533	1662	1691	1719
51 VERTICAL TRK C,SIT	1400	1426	1451	1477	1503	1529	1554	1580	1606	1631	1657
52 BUTTOCK CIRC, SIT	885	915	944	973	1002	1032	1061	1090	1120	1149	1178
53 SCYE CIRCUMFERENCE	334	343	353	362	372	381	391	400	410	419	429
54 AXILLARY ARM CIRC	236	246	255	265	275	285	295	305	315	325	335
55 BICEPS C,RELAXED,R	218	228	237	247	257	267	277	286	296	306	316
56 BICEPS C,FLEXED, R	229	239	249	259	269	279	289	299	308	318	328
57 BICEPS C,RELAXED,L	216	226	237	247	257	268	278	288	299	309	320
58 BICEPS C,FLEXED, L	225	236	246	256	266	276	287	297	307	317	327
59 ELBOW CIRC, FLEXED	248	254	259	265	270	276	281	287	292	297	303
60 FOREARM C, RELAXED	212	217	223	229	235	241	247	253	259	265	271
61 FOREARM C, FLEXED	225	231	238	244	250	257	263	269	275	282	288
62 WRIST CIRCUMFERNCE	140	142	145	147	150	152	155	157	160	162	165
63 BIACROMIAL BREADTH	342	346	350	354	359	363	367	372	376	380	385
64 BIDELTOID BREADTH	380	390	400	410	420	429	439	449	459	469	479
65 CHEST BREADTH	252	259	266	273	281	288	295	302	309	316	323
66 BUST PT-BUST PT BR	166	171	176	181	186	191	195	200	205	210	215
67 WAIST BREADTH	210	218	226	234	242	250	258	266	274	281	289
68 HIP BREADTH	314	323	332	341	350	360	369	378	387	396	405
69 THIGH-THIGH BR,SIT	335	347	359	371	383	395	407	419	431	442	454
70 HUMERAL BREADTH, R	58	59	60	61	61	62	63	64	65	66	67

VALUES IN YEARS, MILLIMETERS, AND 100-GRAMS

TABLE XXXII
REGRESSION ESTIMATES CORRESPONDING TO SELECTED VALUES OF WEIGHT---ENGLISH VALUES

	WEIGHT IN POUNDS.....	90	100	110	120	130	140	150	160	170	180	190
36	NECK CIRCUMFERENCE	124	127	129	131	134	136	138	140	143	145	147
37	SHOULDER CIRCUMFER	357	368	378	388	398	408	419	429	439	449	459
38	CHEST CIRC AT SCYE	297	306	315	325	334	344	353	363	372	382	391
39	BUST CIRCUMFERENCE	313	324	335	346	356	367	378	389	400	411	421
40	CHEST C BELOW BUST	259	268	277	286	295	304	314	323	332	341	350
41	WAIST CIRCUMFERNCE	225	235	246	257	268	278	289	300	311	321	332
42	ABDOMINAL EXT CIRC	286	300	314	327	341	355	369	382	396	410	424
43	HIP C-7" BLW WAIST	325	337	348	360	372	384	396	408	419	431	443
44	HIP C-9" BLW WAIST	328	341	353	366	379	391	404	417	429	442	455
45	UPPER THIGH CIRCUM	187	196	204	212	221	229	238	246	255	263	271
46	KNEE CIRCUMFERENCE	127	131	135	140	144	149	153	157	162	166	171
47	CALF CIRCUM, RIGHT	120	124	128	132	136	140	144	148	152	156	160
48	CALF CIRCUM, LEFT	120	124	128	132	136	140	144	148	152	156	160
49	ANKLE CIRCUMFERNCE	76	78	80	82	84	85	87	89	91	93	94
50	VERTICAL TRUNK CIR	560	573	586	599	612	625	637	650	663	676	689
51	VERTICAL TRK C,SIT	548	560	571	583	594	606	617	629	640	652	663
52	BUTTOCK CIRC, SIT	345	358	371	384	397	411	424	437	450	463	476
53	SCYE CIRCUMFERENCE	130	135	139	143	147	151	156	160	164	168	173
54	AXILLARY ARM CIRC	92	96	100	105	109	114	118	123	127	131	136
55	BICEPS C,RELAXED,R	85	89	93	98	102	106	111	115	120	124	128
56	BICEPS C,FLEXED, R	89	93	98	102	107	111	116	120	124	129	133
57	BICEPS C,RELAXED,L	84	89	93	98	102	107	112	116	121	125	130
58	BICEPS C,FLEXED, L	88	92	97	101	106	110	115	119	124	129	133
59	ELBOW CIRC, FLEXED	97	100	102	104	107	109	112	114	117	119	121
60	FOREARM C, RELAXED	83	85	88	91	93	96	98	101	104	106	109
61	FOREARM C, FLEXED	88	91	94	96	99	102	105	108	110	113	116
62	WRIST CIRCUMFERNCE	55	56	57	58	59	60	61	62	64	65	66
63	BIACROMIAL BREADTH	134	136	138	140	142	144	146	147	149	151	153
64	BIDELTOID BREADTH	149	153	157	162	166	171	175	179	184	188	192
65	CHEST BREADTH	98	102	105	108	111	114	118	121	124	127	130
66	BUST PT-BUST PT BR	65	67	69	71	74	76	78	80	82	84	87
67	WAIST BREADTH	82	85	89	92	96	100	103	107	110	114	117
68	HIP BREADTH	123	127	131	135	139	143	147	151	155	159	163
69	THIGH-THIGH BR,SIT	131	136	141	147	152	157	163	168	173	178	184
70	HUMERAL BREADTH, R	23	23	23	24	24	25	25	25	26	26	27

VALUES IN YEARS, TENTHS OF INCHES, TENTHS OF POUNDS

TABLE XXXII
REGRESSION ESTIMATES CORRESPONDING TO SELECTED VALUES OF WEIGHT---METRIC VALUES

	WEIGHT IN KILOGRAMS..	42	46	50	54	58	62	66	70	74	78	82
71	HUMERAL BREADTH, L	58	58	59	60	61	62	63	64	65	65	66
72	FEMORAL BREADTH, R	77	78	79	80	81	82	84	85	86	87	88
73	FEMORAL BREADTH, L	77	78	79	80	81	83	84	85	86	87	89
74	CHEST DEPTH	206	214	222	229	237	245	252	260	268	275	283
75	WAIST DEPTH	144	151	158	164	171	177	184	190	197	203	210
76	ABDOMINAL EXT DPTH	174	183	192	201	210	219	228	236	245	254	263
77	BUTTOCK DEPTH	182	189	197	205	212	220	228	235	243	251	258
78	THIGH CLEARANCE	106	110	115	120	125	130	134	139	144	149	153
79	SHOULDER LENGTH	141	142	144	145	147	148	150	151	153	154	156
80	NECK-BUST POINT L	232	238	244	250	255	261	267	273	278	284	290
81	STRAP LENGTH	599	612	626	640	653	667	681	694	708	722	735
82	INTERSCYE	323	330	337	344	351	358	365	372	379	386	393
83	INTERSCYE, MAXIMUM	456	466	475	485	495	504	514	524	533	543	553
84	BACK CURVATURE	383	393	403	412	422	432	442	452	462	472	481
85	WAIST BACK	391	395	398	402	405	409	412	416	419	423	427
86	ANTERIOR WAIST LTH	317	322	327	331	336	341	346	351	355	360	365
87	SLEEVE INSEAM	427	430	434	438	442	445	449	453	456	460	464
88	SPINE-TO-SCYE LGTH	192	195	198	201	204	207	210	213	216	219	223
89	SPINE-TO-ELBOW LTH	505	512	519	526	534	541	548	556	563	570	578
90	SPINE-TO-WRIST LTH	757	767	777	787	797	807	817	827	837	847	857
91	HAND LENGTH	176	178	180	182	184	186	188	190	192	194	196
92	HAND BREADTH	72	73	74	75	76	76	77	78	79	80	81
93	HAND CIRCUMFERENCE	174	176	179	181	183	186	188	191	193	195	198
94	FOOT LENGTH	229	232	235	238	241	244	247	250	253	256	259
95	FOOT BREADTH	85	86	87	88	89	90	91	92	93	94	95
96	HEAD LENGTH	180	181	182	183	184	185	186	187	189	190	191
97	HEAD BREADTH	142	142	143	144	145	146	147	148	149	150	151
98	HEAD CIRCUMFERENCE	535	539	542	545	549	552	556	559	563	566	570
99	TRAGION-TOP HEAD	124	125	126	126	127	128	129	130	131	132	133
100	ECTOCANTHUS-TOP HD	114	115	116	117	118	119	119	120	121	122	123
101	PRONASALE-TOP HEAD	144	145	146	147	148	149	149	150	151	152	153
102	SUBNASALE-TOP HEAD	155	156	157	158	159	160	161	162	163	165	166
103	STOMION-TOP HEAD	174	175	176	177	178	179	181	182	183	184	185
104	MENTON-TOP HEAD	213	214	216	218	219	221	223	224	226	227	229
105	TRAGION TO WALL	98	99	100	101	102	103	104	105	106	107	108

VALUES IN YEARS, MILLIMETERS, AND 100-GRAMS

TABLE XXXII
REGRESSION ESTIMATES CORRESPONDING TO SELECTED VALUES OF WEIGHT---ENGLISH VALUES

	WEIGHT IN POUNDS.....	90	100	110	120	130	140	150	160	170	180	190
71	HUMERAL BREADTH, L	23	23	23	24	24	25	25	25	26	26	26
72	FEMORAL BREADTH, R	30	31	31	32	32	33	33	34	34	35	35
73	FEMORAL BREADTH, L	30	31	31	32	32	33	33	34	34	35	35
74	CHEST DEPTH	80	84	87	91	94	97	101	104	108	111	115
75	WAIST DEPTH	56	59	62	65	68	71	74	77	80	82	85
76	ABDOMINAL EXT DPTH	67	71	75	79	83	87	91	95	99	103	107
77	BUTTOCK DEPTH	71	74	77	81	84	88	91	95	98	101	105
78	THIGH CLEARANCE	41	43	45	47	50	52	54	56	58	60	62
79	SHOULDER LENGTH	55	56	57	57	58	59	59	60	61	61	62
80	NECK-BUST POINT L	91	93	96	99	101	104	106	109	111	114	117
81	STRAP LENGTH	234	240	246	252	259	265	271	277	283	289	295
82	INTERSCYE	127	130	133	136	139	142	145	148	151	154	157
83	INTERSCYE, MAXIMUM	178	183	187	191	196	200	204	209	213	217	222
84	BACK CURVATURE	150	154	158	163	167	172	176	180	185	189	194
85	WAIST BACK	154	155	157	158	160	162	163	165	166	168	169
86	ANTERIOR WAIST LTH	124	126	129	131	133	135	137	139	141	143	146
87	SLEEVE INSEAM	168	169	171	173	174	176	178	179	181	182	184
88	SPINE-TO-SCYE LGTH	75	76	78	79	81	82	83	85	86	88	89
89	SPINE-TO-ELBOW LTH	198	201	204	208	211	214	217	221	224	227	230
90	SPINE-TO-WRIST LTH	297	301	306	310	315	319	324	328	332	337	341
91	HAND LENGTH	69	70	71	72	73	73	74	75	76	77	78
92	HAND BREADTH	28	29	29	29	30	30	31	31	31	32	32
93	HAND CIRCUMFERENCE	68	69	70	71	72	73	75	76	77	78	79
94	FOOT LENGTH	90	91	92	94	95	97	98	99	101	102	103
95	FOOT BREADTH	33	34	34	35	35	36	36	36	37	37	38
96	HEAD LENGTH	71	71	72	72	73	73	74	74	75	75	76
97	HEAD BREADTH	56	56	56	57	57	58	58	58	59	59	60
98	HEAD CIRCUMFERENCE	210	212	213	215	216	218	220	221	223	224	226
99	TRAGION-TOP HEAD	49	49	49	50	50	51	51	51	52	52	53
100	ECTOCANTHUS-TOP HD	45	45	46	46	46	47	47	48	48	48	49
101	PRONASALE-TOP HEAD	57	57	57	58	58	59	59	59	60	60	61
102	SUBNASALE-TOP HEAD	61	61	62	62	63	63	64	64	65	65	66
103	STOMION-TOP HEAD	68	69	69	70	70	71	71	72	72	73	73
104	MENTON-TOP HEAD	84	84	85	86	86	87	88	89	89	90	91
105	TRAGION TO WALL	38	39	39	40	40	41	41	41	42	42	43

VALUES IN YEARS, TENTHS OF INCHES, TENTHS OF POUNDS

TABLE XXXII
REGRESSION ESTIMATES CORRESPONDING TO SELECTED VALUES OF WEIGHT---METRIC VALUES

WEIGHT IN KILOGRAMS..	42	46	50	54	58	62	66	70	74	78	82
106 ECTOCANTHUS-WALL	158	159	161	162	164	165	167	168	170	171	173
107 PRONASALE TO WALL	205	207	209	210	212	214	216	217	219	221	223
108 SUBNASALE TO WALL	190	192	194	195	197	198	200	202	203	205	207
109 LIP PROTRUS'N-WALL	187	189	190	192	193	195	196	198	199	201	202
110 MENTON TO WALL	175	177	179	181	182	184	186	188	190	192	193
111 SAGITTAL CURVATURE	341	342	344	346	348	350	352	354	356	357	359
112 BITRAGION-CORONAL	330	333	335	337	339	342	344	346	348	351	353
113 BIOCULAR BREADTH	94	95	96	96	97	97	98	99	99	100	100
114 BIAURICULAR BRDTH	154	155	156	157	158	160	161	162	163	164	165
115 BITRAGION BREADTH	125	126	127	128	129	130	131	132	133	134	135
116 BIZYGOMATIC BRDTH	125	126	127	128	129	130	131	132	133	135	136
117 BIGONIAL BREADTH	98	99	100	101	102	103	104	105	106	107	108
118 NASAL BREADTH	31	31	32	32	32	32	32	32	33	33	33
119 LIP LENGTH	43	43	43	44	44	44	44	44	45	45	45
120 MENTON-SUBNASALE L	53	54	54	55	55	56	57	57	58	58	59
121 MENTON-SELLION LTH	103	104	105	105	106	107	108	109	110	111	112
122 SUBNASALE-SELLION	44	44	45	45	45	46	46	47	47	47	48
123 EAR LENGTH	50	50	51	52	52	53	54	54	55	56	56
124 EAR BREADTH	29	29	29	30	30	30	30	31	31	31	31
125 GRIP STRENGTH	256	267	278	289	300	311	322	333	344	355	366
139 STATURE REPORTED	1574	1592	1611	1629	1648	1666	1684	1703	1721	1740	1758
140 WEIGHT REPORTED	423	460	498	535	572	609	647	684	721	758	795

VALUES IN YEARS, MILLIMETERS, AND 100-GRAMS

TABLE XXXII
REGRESSION ESTIMATES CORRESPONDING TO SELECTED VALUES OF WEIGHT---ENGLISH VALUES

	WEIGHT IN POUNDS.....	90	100	110	120	130	140	150	160	170	180	190
106	ECTOCANTHUS-WALL	62	63	63	64	65	65	66	67	67	68	69
107	PRONASALE TO WALL	80	81	82	83	84	84	85	86	87	88	88
108	SUBNASALE TO WALL	75	75	76	77	78	78	79	80	81	81	82
109	LIP PROTRUS'N-WALL	73	74	75	76	76	77	78	78	79	80	80
110	MENTON TO WALL	69	70	70	71	72	73	74	74	75	76	77
111	SAGITTAL CURVATURE	134	135	136	136	137	138	139	140	141	141	142
112	BITRAGION-CORONAL	130	131	132	133	134	135	136	137	138	139	140
113	BIOCULAR BREADTH	37	37	38	38	38	38	39	39	39	40	40
114	BIAURICULAR BRDTH	61	61	62	62	62	63	63	64	64	65	65
115	BITRAGION BREADTH	49	49	50	50	51	51	52	52	53	53	54
116	BIZYGOMATIC BRDTH	49	49	50	50	51	51	52	52	53	53	54
117	BIGONIAL BREADTH	38	39	39	40	40	41	41	42	42	43	43
118	NASAL BREADTH	12	12	12	13	13	13	13	13	13	13	13
119	LIP LENGTH	17	17	17	17	17	17	17	18	18	18	18
120	MENTON-SUBNASALE L	21	21	21	22	22	22	22	23	23	23	23
121	MENTON-SELLION LTH	40	41	41	42	42	42	43	43	43	44	44
122	SUBNASALE-SELLION	17	17	18	18	18	18	18	18	19	19	19
123	EAR LENGTH	20	20	20	20	21	21	21	22	22	22	22
124	EAR BREADTH	11	11	12	12	12	12	12	12	12	12	12
125	GRIP STRENGTH	557	585	612	639	667	694	722	749	776	804	831
139	STATURE REPORTED	618	626	634	642	650	659	667	675	683	692	700
140	WEIGHT REPORTED	909	1002	1095	1188	1281	1374	1467	1560	1653	1746	1839

VALUES IN YEARS, TENTHS OF INCHES, TENTHS OF POUNDS

TABLE XXXIII
REGRESSION ESTIMATES CORRESPONDING TO SELECTED
VALUES OF STATURE---METRIC VALUES

	STATURE IN CMS.....	148	151	154	157	160	163	166	169	172	175	178
1	AGE	23	23	23	23	23	23	24	24	24	24	24
2	WEIGHT	483	503	523	543	563	583	603	623	643	663	683
3	TRICEPS SKINFOLD	18	18	18	19	19	19	19	19	20	20	20
4	SUBSCAPULAR SKINFD	13	13	13	13	13	13	13	13	13	13	13
5	SUPRAILIAC SKINFLD	18	18	19	19	19	20	20	21	21	21	22
6	MEDIAL CALF SKINFD	16	16	16	16	16	16	16	16	16	16	16
8	STATURE, MAXIMUM	1486	1516	1546	1576	1606	1636	1666	1697	1727	1757	1787
9	CERVICALE HEIGHT	1265	1292	1319	1346	1373	1400	1427	1454	1481	1508	1535
10	ACROMIAL HEIGHT	1195	1221	1248	1274	1300	1326	1353	1379	1405	1431	1458
11	SUPRASTERNALE HGHT	1199	1225	1250	1276	1302	1328	1353	1379	1405	1431	1457
12	BUSTPOINT HEIGHT	1070	1094	1118	1142	1166	1190	1215	1239	1263	1287	1311
13	WAIST HEIGHT	906	927	947	968	988	1009	1029	1050	1071	1091	1112
14	ABDOMINAL EXT HGT	838	858	878	898	918	937	957	977	997	1017	1037
15	TROCHANTERIC HGHT	741	759	778	796	814	832	850	868	887	905	923
16	BUTTOCK HEIGHT	739	757	775	792	810	827	845	863	880	898	916
17	GLUTEAL FURROW HGT	650	667	683	699	715	732	748	765	781	797	814
18	TIBIALE HEIGHT	376	385	395	404	413	423	432	441	451	460	469
19	CROTCH HEIGHT	665	682	699	716	733	750	767	784	801	819	836
20	ANKLE HEIGHT	102	104	106	108	110	112	115	117	119	121	123
21	LAT'L MALLEOLUS HT	62	63	64	66	67	68	69	71	72	73	74
22	SITTING HT,RELAXED	783	796	808	821	834	847	859	872	885	897	910
23	SITTING HEIGHT	796	809	822	834	847	860	872	885	898	910	923
24	EYE HEIGHT,SITTING	684	695	707	718	729	740	752	763	774	785	797
25	MIDSHOULDER HT,SIT	535	545	554	564	573	583	592	602	611	621	630
26	WAIST HGHT,SITTING	217	221	224	228	231	235	238	242	245	249	252
27	ELBOW REST HEIGHT	215	218	220	223	225	228	230	233	235	238	240
28	POPLITEAL HEIGHT	379	385	392	399	406	412	419	426	433	440	446
29	BUTTOCK-POPLIT'L L	435	444	453	462	471	480	489	498	507	516	525
30	BUTTOCK-KNEE LNGTH	527	537	547	557	567	577	587	598	608	618	628
31	ACROMION-RADIALE L	282	288	294	300	306	312	318	324	329	335	341
32	RADIALE-STYLION L	212	217	222	226	231	235	240	244	249	253	258
33	THUMB-TIP REACH	682	695	708	720	733	745	758	770	783	795	808
34	THUMB-TIP,EXTENDED	768	783	798	813	828	843	858	873	888	902	917
35	OVERHEAD REACH	1821	1857	1894	1930	1967	2003	2040	2076	2112	2149	2185
36	NECK CIRCUMFERENCE	325	328	330	333	336	338	341	344	346	349	352
37	SHOULDER CIRCUMFER	964	972	981	990	998	1007	1015	1024	1032	1041	1050
38	CHEST CIRC AT SCYE	808	816	823	830	837	845	852	859	866	874	881
39	BUST CIRCUMFERENCE	863	870	878	885	892	899	907	914	921	929	936
40	CHEST C BELOW BUST	710	717	724	731	738	745	752	759	766	773	780
41	WAIST CIRCUMFERNCE	636	644	651	659	667	674	682	690	697	705	712
42	ABDOMINAL EXT CIRC	815	823	832	841	850	859	868	877	886	895	904
43	HIP C-7" BLW WAIST	890	900	910	920	929	939	949	959	969	979	989
44	HIP C-9" BLW WAIST	902	913	923	934	945	956	967	978	988	999	1010
45	UPPER THIGH CIRCUM	528	534	540	545	551	556	562	568	573	579	584

VALUES IN YEARS, MILLIMETERS, AND 100-GRAMS

TABLE XXXIII
REGRESSION ESTIMATES CORRESPONDING TO SELECTED VALUES OF STATURE---ENGLISH VALUES

	STATURE IN INCHES....	59	60	61	62	63	64	65	66	67	68	69
1	AGE	23	23	23	23	23	23	24	24	24	24	24
2	WEIGHT	1091	1129	1166	1203	1241	1278	1315	1353	1390	1427	1465
3	TRICEPS SKINFOLD	7	7	7	7	7	8	8	8	8	8	8
4	SUBSCAPULAR SKINFD	5	5	5	5	5	5	5	5	5	5	5
5	SUPRAILIAC SKINFLD	7	7	7	8	8	8	8	8	8	8	8
6	MEDIAL CALF SKINFD	6	6	6	6	6	6	6	6	6	6	6
8	STATURE, MAXIMUM	592	602	613	623	633	643	653	663	673	683	693
9	CERVICALE HEIGHT	505	514	523	532	541	550	559	568	577	586	595
10	ACROMIAL HEIGHT	477	486	494	503	512	521	529	538	547	556	564
11	SUPRASTERNALE HGHT	478	487	495	504	513	521	530	538	547	556	564
12	BUSTPOINT HEIGHT	427	435	443	451	459	467	475	483	491	499	508
13	WAIST HEIGHT	362	369	375	382	389	396	403	410	417	423	430
14	ABDOMINAL EXT HGT	335	341	348	355	361	368	375	381	388	394	401
15	TROCHANTERIC HGHT	296	302	308	314	321	327	333	339	345	351	357
16	BUTTOCK HEIGHT	295	301	307	313	319	325	331	336	342	348	354
17	GLUTEAL FURROW HGT	260	265	271	276	282	287	293	298	304	309	314
18	TIBIALE HEIGHT	150	153	157	160	163	166	169	172	175	178	181
19	CROTCH HEIGHT	266	272	277	283	289	294	300	306	311	317	323
20	ANKLE HEIGHT	41	41	42	43	43	44	45	46	46	47	48
21	LAT'L MALLEOLUS HT	25	25	25	26	26	27	27	28	28	28	29
22	SITTING HT,RELAXED	311	316	320	324	328	333	337	341	345	350	354
23	SITTING HEIGHT	317	321	325	329	334	338	342	346	350	355	359
24	EYE HEIGHT,SITTING	272	276	280	283	287	291	295	298	302	306	310
25	MIDSHOULDER HT,SIT	213	216	219	223	226	229	232	235	238	242	245
26	WAIST HGHT,SITTING	86	88	89	90	91	92	93	95	96	97	98
27	ELBOW REST HEIGHT	85	86	87	88	89	90	90	91	92	93	94
28	POPLITEAL HEIGHT	151	153	155	158	160	162	164	167	169	171	173
29	BUTTOCK-POPLIT'L L	173	176	179	182	185	188	191	194	197	200	203
30	BUTTOCK-KNEE LNGTH	210	213	217	220	223	227	230	233	237	240	244
31	ACROMION-RADIALE L	113	115	117	118	120	122	124	126	128	130	132
32	RADIALE-STYLION L	85	86	88	89	91	92	94	95	97	98	100
33	THUMB-TIP REACH	272	276	280	284	288	293	297	301	305	309	313
34	THUMB-TIP,EXTENDED	306	311	316	321	326	331	336	341	346	351	356
35	OVERHEAD REACH	726	738	750	762	774	787	799	811	823	835	847
36	NECK CIRCUMFERENCE	129	129	130	131	132	133	134	135	136	137	137
37	SHOULDER CIRCUMFER	382	384	387	390	393	396	399	402	404	407	410
38	CHEST CIRC AT SCYE	320	322	325	327	330	332	335	337	339	342	344
39	BUST CIRCUMFERENCE	342	344	346	349	351	354	356	359	361	363	366
40	CHEST C BELOW BUST	281	284	286	288	291	293	295	298	300	302	305
41	WAIST CIRCUMFERNCE	252	255	257	260	262	265	268	270	273	275	278
42	ABDOMINAL EXT CIRC	323	326	329	332	335	338	341	344	347	350	353
43	HIP C-7" BLW WAIST	353	356	359	363	366	369	373	376	379	382	386
44	HIP C-9" BLW WAIST	358	361	365	369	372	376	379	383	387	390	394
45	UPPER THIGH CIRCUM	209	211	213	215	217	219	221	222	224	226	228

VALUES IN YEARS, TENTHS OF INCHES, TENTHS OF POUNDS

TABLE XXXIII
REGRESSION ESTIMATES CORRESPONDING TO SELECTED
VALUES OF STATURE---METRIC VALUES

STATURE IN CMS.....	148	151	154	157	160	163	166	169	172	175	178
46 KNEE CIRCUMFERENCE	342	347	351	356	360	364	369	373	377	382	386
47 CALF CIRCUM, RIGHT	326	329	332	336	339	342	346	349	352	356	359
48 CALF CIRCUM, LEFT	326	330	333	337	340	343	347	350	354	357	360
49 ANKLE CIRCUMFERNCE	200	202	205	207	209	212	214	216	218	221	223
50 VERTICAL TRUNK CIR	1444	1466	1487	1508	1529	1551	1572	1593	1614	1636	1657
51 VERTICAL TRK C,SIT	1396	1418	1441	1463	1485	1507	1530	1552	1574	1596	1618
52 BUTTOCK CIRC, SIT	946	957	969	980	992	1003	1015	1027	1038	1050	1061
53 SCYE CIRCUMFERENCE	351	356	360	364	368	372	376	381	385	389	393
54 AXILLARY ARM CIRC	265	267	269	271	273	275	277	279	281	283	285
55 BICEPS C,RELAXED,R	249	250	252	253	255	257	258	260	261	263	265
56 BICEPS C,FLEXED, R	259	261	263	265	267	269	270	272	274	276	278
57 BICEPS C,RELAXED,L	249	251	252	254	255	257	259	260	262	264	265
58 BICEPS C,FLEXED, L	257	259	260	262	264	266	268	270	271	273	275
59 ELBOW CIRC, FLEXED	253	256	260	264	267	271	275	278	282	286	289
60 FOREARM C, RELAXED	225	227	229	231	233	235	238	240	242	244	246
61 FOREARM C, FLEXED	239	241	243	246	248	250	253	255	257	260	262
62 WRIST CIRCUMFERNCE	142	144	145	147	148	150	152	153	155	157	158
63 BIACROMIAL BREADTH	341	345	348	352	356	360	363	367	371	375	378
64 BIDELTOID BREADTH	402	406	409	413	416	420	423	427	430	434	437
65 CHEST BREADTH	267	270	273	275	278	281	283	286	289	291	294
66 BUST PT-BUST PT BR	178	179	181	183	184	186	187	189	191	192	194
67 WAIST BREADTH	226	230	233	236	239	242	245	249	252	255	258
68 HIP BREADTH	332	335	339	343	347	351	355	359	362	366	370
69 THIGH-THIGH BR,SIT	366	369	373	376	379	383	386	390	393	397	400
70 HUMERAL BREADTH, R	58	59	59	60	61	62	62	63	64	65	65
71 HUMERAL BREADTH, L	58	58	59	60	60	61	62	63	63	64	65
72 FEMORAL BREADTH, R	78	78	79	80	81	81	82	83	84	84	85
73 FEMORAL BREADTH, L	78	79	79	80	81	82	82	83	84	85	85
74 CHEST DEPTH	226	228	231	233	235	237	239	241	244	246	248
75 WAIST DEPTH	163	164	166	167	169	171	172	174	175	177	179
76 ABDOMINAL EXT DPTH	199	201	203	205	207	210	212	214	216	218	221
77 BUTTOCK DEPTH	202	204	206	208	210	212	214	216	219	221	223
78 THIGH CLEARANCE	112	114	117	120	122	125	128	131	133	136	139
79 SHOULDER LENGTH	138	140	142	143	145	147	149	151	153	155	156
80 NECK-BUST POINT L	243	246	248	251	253	256	258	261	263	266	268
81 STRAP LENGTH	622	629	635	641	648	654	660	667	673	679	686
82 INTERSCYE	340	342	344	347	349	351	354	356	358	360	363
83 INTERSCYE, MAXIMUM	467	473	478	484	490	496	501	507	513	519	525
84 BACK CURVATURE	405	408	412	415	419	423	426	430	433	437	441
85 WAIST BACK	375	381	388	394	401	407	414	420	426	433	439
86 ANTERIOR WAIST LTH	315	319	324	328	333	337	342	346	351	355	359
87 SLEEVE INSEAM	401	410	418	427	435	444	452	461	469	478	487
88 SPINE-TO-SCYE LGTH	195	197	199	201	202	204	206	208	209	211	213
89 SPINE-TO-ELBOW LTH	495	503	511	519	527	536	544	552	560	568	576
90 SPINE-TO-WRIST LTH	737	749	762	774	787	800	812	825	837	850	862

VALUES IN YEARS, MILLIMETERS, AND 100-GRAMS

TABLE XXXIII
REGRESSION ESTIMATES CORRESPONDING TO SELECTED
VALUES OF STATURE---ENGLISH VALUES

	STATURE IN INCHES....	59	60	61	62	63	64	65	66	67	68	69
46	KNEE CIRCUMFERENCE	136	137	139	140	142	143	145	146	148	149	150
47	CALF CIRCUM, RIGHT	129	130	131	132	134	135	136	137	138	139	140
48	CALF CIRCUM, LEFT	129	130	132	133	134	135	136	137	138	140	141
49	ANKLE CIRCUMFERNCE	79	80	81	82	82	83	84	85	85	86	87
50	VERTICAL TRUNK CIR	574	581	588	595	602	609	616	623	630	638	645
51	VERTICAL TRK C,SIT	555	562	570	577	585	592	600	607	614	622	629
52	BUTTOCK CIRC, SIT	375	379	383	387	391	394	398	402	406	410	414
53	SCYE CIRCUMFERENCE	139	141	142	144	145	146	148	149	150	152	153
54	AXILLARY ARM CIRC	105	106	106	107	108	108	109	109	110	111	111
55	BICEPS C,RELAXED,R	98	99	99	100	100	101	101	102	103	103	104
56	BICEPS C,FLEXED, R	102	103	104	104	105	106	106	107	107	108	109
57	BICEPS C,RELAXED,L	98	99	99	100	101	101	102	102	103	103	104
58	BICEPS C,FLEXED, L	102	102	103	103	104	105	105	106	106	107	108
59	ELBOW CIRC, FLEXED	100	102	103	104	105	106	108	109	110	111	113
60	FOREARM C, RELAXED	89	90	90	91	92	93	93	94	95	95	96
61	FOREARM C, FLEXED	95	95	96	97	98	98	99	100	101	102	102
62	WRIST CIRCUMFERNCE	56	57	57	58	58	59	60	60	61	61	62
63	BIACROMIAL BREADTH	135	136	138	139	140	141	143	144	145	146	148
64	BIDELTOID BREADTH	159	160	162	163	164	165	166	167	169	170	171
65	CHEST BREADTH	106	107	108	109	109	110	111	112	113	114	115
66	BUST PT-BUST PT BR	70	71	71	72	73	73	74	74	75	75	76
67	WAIST BREADTH	90	91	92	93	94	95	96	97	98	99	100
68	HIP BREADTH	131	133	134	135	137	138	139	140	142	143	144
69	THIGH-THIGH BR,SIT	145	146	147	148	149	151	152	153	154	155	156
70	HUMERAL BREADTH, R	23	23	23	24	24	24	24	25	25	25	25
71	HUMERAL BREADTH, L	23	23	23	24	24	24	24	25	25	25	25
72	FEMORAL BREADTH, R	31	31	31	31	32	32	32	33	33	33	33
73	FEMORAL BREADTH, L	31	31	31	32	32	32	32	33	33	33	33
74	CHEST DEPTH	90	90	91	92	92	93	94	95	95	96	97
75	WAIST DEPTH	64	65	65	66	67	67	68	68	69	69	70
76	ABDOMINAL EXT DPTH	79	79	80	81	82	82	83	84	85	85	86
77	BUTTOCK DEPTH	80	81	81	82	83	83	84	85	86	86	87
78	THIGH CLEARANCE	45	46	46	47	48	49	50	51	52	53	54
79	SHOULDER LENGTH	55	55	56	57	57	58	58	59	60	60	61
80	NECK-BUST POINT L	96	97	98	99	100	101	101	102	103	104	105
81	STRAP LENGTH	247	249	251	253	255	257	259	261	263	266	268
82	INTERSCYE	134	135	136	137	137	138	139	140	140	141	142
83	INTERSCYE, MAXIMUM	185	187	189	191	193	195	197	199	201	202	204
84	BACK CURVATURE	160	161	163	164	165	166	167	169	170	171	172
85	WAIST BACK	149	151	153	156	158	160	162	164	166	169	171
86	ANTERIOR WAIST LTH	125	126	128	129	131	132	134	135	137	138	140
87	SLEEVE INSEAM	160	163	166	169	171	174	177	180	183	186	188
88	SPINE-TO-SCYE LGTH	77	78	79	79	80	80	81	81	82	83	83
89	SPINE-TO-ELBOW LTH	197	200	202	205	208	210	213	216	219	221	224
90	SPINE-TO-WRIST LTH	293	297	302	306	310	314	318	322	327	331	335

VALUES IN YEARS, TENTHS OF INCHES, TENTHS OF POUNDS

TABLE XXXIII
REGRESSION ESTIMATES CORRESPONDING TO SELECTED VALUES OF STATURE---METRIC VALUES

	STATURE IN CMS.....	148	151	154	157	160	163	166	169	172	175	178
91	HAND LENGTH	170	173	176	179	182	185	188	190	193	196	199
92	HAND BREADTH	72	73	74	74	75	76	77	77	78	79	79
93	HAND CIRCUMFERENCE	175	177	179	180	182	184	185	187	189	190	192
94	FOOT LENGTH	222	226	230	234	238	242	246	250	254	257	261
95	FOOT BREADTH	85	85	86	87	88	89	90	91	92	92	93
96	HEAD LENGTH	179	180	181	182	183	184	186	187	188	189	190
97	HEAD BREADTH	143	144	144	144	145	145	146	146	146	147	147
98	HEAD CIRCUMFERENCE	536	539	541	544	547	549	552	555	558	560	563
99	TRAGION-TOP HEAD	123	124	125	126	127	128	128	129	130	131	132
100	ECTOCANTHUS-TOP HD	113	114	115	116	117	118	119	120	121	122	123
101	PRONASALE-TOP HEAD	141	142	144	145	147	148	149	151	152	154	155
102	SUBNASALE-TOP HEAD	152	153	155	156	158	160	161	163	164	166	167
103	STOMION-TOP HEAD	171	172	174	175	177	179	180	182	184	185	187
104	MENTON-TOP HEAD	209	212	214	216	218	220	222	224	226	228	230
105	TRAGION TO WALL	98	99	100	100	101	102	103	104	104	105	106
106	ECTOCANTHUS-WALL	158	159	161	162	163	164	165	166	168	169	170
107	PRONASALE TO WALL	206	207	208	210	211	212	214	215	216	218	219
108	SUBNASALE TO WALL	191	192	194	195	196	197	198	199	200	201	203
109	LIP PROTRUS'N-WALL	189	190	191	192	192	193	194	195	196	197	198
110	MENTON TO WALL	179	180	181	181	182	183	183	184	184	185	186
111	SAGITTAL CURVATURE	338	340	342	344	346	348	351	353	355	357	359
112	BITRAGION-CORONAL	331	333	335	336	338	340	341	343	345	347	348
113	BIOCULAR BREADTH	95	95	95	96	96	97	97	98	98	99	99
114	BIAURICULAR BRDTH	155	156	156	157	158	159	159	160	161	161	162
115	BITRAGION BREADTH	126	127	127	128	128	129	130	130	131	131	132
116	BIZYGOMATIC BRDTH	126	127	127	128	129	129	130	130	131	131	132
117	BIGONIAL BREADTH	100	100	101	101	102	102	102	103	103	104	104
118	NASAL BREADTH	32	32	32	32	32	32	32	32	32	32	32
119	LIP LENGTH	43	43	43	44	44	44	44	44	44	44	44
120	MENTON-SUBNASALE L	53	54	54	55	55	56	56	56	57	57	58
121	MENTON-SELLION LTH	102	103	104	105	106	107	107	108	109	110	111
122	SUBNASALE-SELLION	44	44	44	45	45	46	46	46	47	47	47
123	EAR LENGTH	51	51	51	52	52	52	53	53	54	54	54
124	EAR BREADTH	29	29	29	30	30	30	30	30	30	31	31
125	GRIP STRENGTH	259	268	276	285	293	301	310	318	327	335	343
139	STATURE REPORTED	1507	1536	1566	1596	1625	1655	1685	1714	1744	1774	1803
140	WEIGHT REPORTED	475	495	515	535	555	575	595	615	635	654	674

VALUES IN YEARS, MILLIMETERS, AND 100-GRAMS

TABLE XXXIII
REGRESSION ESTIMATES CORRESPONDING TO SELECTED VALUES OF STATURE---ENGLISH VALUES

	STATURE IN INCHES....	59	60	61	62	63	64	65	66	67	68	69
91	HAND LENGTH	68	69	70	71	72	73	74	74	75	76	77
92	HAND BREADTH	29	29	29	29	30	30	30	30	31	31	31
93	HAND CIRCUMFERENCE	69	70	71	71	72	72	73	73	74	74	75
94	FOOT LENGTH	88	90	91	92	94	95	96	98	99	100	101
95	FOOT BREADTH	33	34	34	34	35	35	35	36	36	36	36
96	HEAD LENGTH	71	71	71	72	72	73	73	73	74	74	74
97	HEAD BREADTH	56	57	57	57	57	57	57	57	58	58	58
98	HEAD CIRCUMFERENCE	212	213	213	214	215	216	217	218	219	220	221
99	TRAGION-TOP HEAD	49	49	49	50	50	50	50	51	51	51	52
100	ECTOCANTHUS-TOP HD	45	45	45	46	46	46	47	47	47	48	48
101	PRONASALE-TOP HEAD	56	56	57	57	58	58	59	59	60	60	61
102	SUBNASALE-TOP HEAD	60	61	61	62	62	63	63	64	64	65	65
103	STOMION-TOP HEAD	68	68	69	69	70	70	71	71	72	72	73
104	MENTON-TOP HEAD	83	84	84	85	86	86	87	88	88	89	90
105	TRAGION TO WALL	39	39	39	40	40	40	40	41	41	41	41
106	ECTOCANTHUS-WALL	63	63	63	64	64	65	65	65	66	66	66
107	PRONASALE TO WALL	81	82	82	83	83	84	84	84	85	85	86
108	SUBNASALE TO WALL	76	76	76	77	77	77	78	78	79	79	79
109	LIP PROTRUS'N-WALL	75	75	75	75	76	76	76	77	77	77	77
110	MENTON TO WALL	71	71	71	71	72	72	72	72	72	73	73
111	SAGITTAL CURVATURE	134	134	135	136	136	137	138	138	139	140	141
112	BITRAGION-CORONAL	131	131	132	133	133	134	134	135	135	136	136
113	BIOCULAR BREADTH	37	37	38	38	38	38	38	38	39	39	39
114	BIAURICULAR BRDTH	61	61	62	62	62	62	63	63	63	63	64
115	BITRAGION BREADTH	50	50	50	50	51	51	51	51	51	52	52
116	BIZYGOMATIC BRDTH	50	50	50	50	51	51	51	51	51	52	52
117	BIGONIAL BREADTH	39	40	40	40	40	40	40	40	41	41	41
118	NASAL BREADTH	12	13	13	13	13	13	13	13	13	13	13
119	LIP LENGTH	17	17	17	17	17	17	17	17	17	17	17
120	MENTON-SUBNASALE L	21	21	21	22	22	22	22	22	22	22	23
121	MENTON-SELLION LTH	41	41	41	41	42	42	42	42	43	43	43
122	SUBNASALE-SELLION	17	17	18	18	18	18	18	18	18	18	19
123	EAR LENGTH	20	20	20	20	21	21	21	21	21	21	21
124	EAR BREADTH	11	12	12	12	12	12	12	12	12	12	12
125	GRIP STRENGTH	583	599	615	630	646	662	678	693	709	725	740
139	STATURE REPORTED	600	610	620	630	640	650	660	670	680	689	699
140	WEIGHT REPORTED	1075	1113	1150	1187	1224	1261	1298	1335	1372	1409	1446

VALUES IN YEARS, TENTHS OF INCHES, TENTHS OF POUNDS

TABLE XXXIV

REGRESSION ESTIMATES BASED ON COMBINATIONS OF WEIGHT AND STATURE

---WEIGHT IN KILOGRAMS + STATURE IN CENTIMETERS---

ESTIMATES OF AGE — NO. 1

WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
178.0						23	24	25	26	27	28	MULTIPLE
175.0					22	23	24	25	26	27	28	CORRELA-
S 172.0				22	22	23	24	25	26	27	28	TION
T 169.0			21	22	23	24	25	26	27	28	28	.238
A 166.0		20	21	22	23	24	25	26	27	28	29	
T 163.0		21	22	22	23	24	25	26	27	28		STANDARD
U 160.0	20	21	22	23	24	25	26	27	28	28		ERR EST.
R 157.0	20	21	22	23	24	25	26	27	28			6.3
E 154.0	21	22	22	23	24	25	26	27				
151.0	21	22	23	24	25	26	27					VALUES
148.0	21	22	23	24	25	26						IN YEARS

ESTIMATES OF TRICEPS SKINFOLD — NO. 3

WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
178.0						17	19	21	23	26	28	MULTIPLE
175.0					15	18	20	22	24	27	29	CORRELA-
S 172.0				14	16	18	21	23	25	27	30	TION
T 169.0			13	15	17	19	22	24	26	28	31	.662
A 166.0		11	14	16	18	20	23	25	27	29	32	
T 163.0		12	14	17	19	21	23	26	28	30		STANDARD
U 160.0	11	13	15	18	20	22	24	27	29	31		ERR EST.
R 157.0	12	14	16	19	21	23	25	28	30			4.1
E 154.0	13	15	17	19	22	24	26	28				
151.0	14	16	18	20	23	25	27					VALUES
148.0	15	17	19	21	24	26						IN MM

ESTIMATES OF SUBSCAPULAR SKINFOLD — NO. 4

WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
178.0						10	12	14	16	18	20	MULTIPLE
175.0					9	11	13	15	17	19	21	CORRELA-
S 172.0				8	10	12	14	16	18	20	22	TION
T 169.0			7	9	11	13	15	17	19	21	23	.663
A 166.0		6	8	10	12	14	16	18	20	22	24	
T 163.0		7	9	11	13	15	17	19	21	23		STANDARD
U 160.0	6	8	10	12	14	16	18	20	22	24		ERR EST.
R 157.0	7	9	11	13	15	17	19	21	23			3.6
E 154.0	8	10	12	14	16	18	20	22				
151.0	9	11	13	15	17	19	21					VALUES
148.0	10	12	14	16	18	20						IN MM

TABLE XXXIV

REGRESSION ESTIMATES BASED ON COMBINATIONS OF WEIGHT AND STATURE

---WEIGHT IN POUNDS + STATURE IN INCHES---

ESTIMATES OF AGE — NO. 1

WEIGHT	90	100	110	120	130	140	150	160	170	180	190	POUNDS
68.0						24	25	26	27	28	29	MULTIPLE
67.0					23	24	25	26	27	28	29	CORRELA-
S 66.0				22	23	24	25	26	27	29	30	TION
T 65.0			21	22	23	24	26	27	28	29	30	.238
A 64.0		20	22	23	24	25	26	27	28	29	30	
T 63.0		21	22	23	24	25	26	27	28	29		STANDARD
U 62.0	20	21	22	23	24	25	26	27	29	30		ERR EST.
R 61.0	20	21	22	23	24	26	27	28	29			6.3
E 60.0	20	22	23	24	25	26	27	28				
59.0	21	22	23	24	25	26	27					VALUES
58.0	21	22	23	24	25	26						IN YEARS

ESTIMATES OF TRICEPS SKINFOLD — NO. 3

WEIGHT	90	100	110	120	130	140	150	160	170	180	190	POUNDS
68.0						8	9	10	11	12	13	MULTIPLE
67.0					7	8	9	10	11	12	13	CORRELA-
S 66.0				6	7	8	9	10	11	12	13	TION
T 65.0			5	6	7	8	9	10	11	12	13	.662
A 64.0		5	6	7	8	9	10	11	12	13	14	
T 63.0		5	6	7	8	9	10	11	12	13		STANDARD
U 62.0	4	5	6	7	8	9	10	11	12	13		ERR EST.
R 61.0	5	6	7	8	9	10	11	12	13			1.6
E 60.0	5	6	7	8	9	10	11	12				
59.0	5	6	7	8	9	10	11					VALUES
58.0	6	7	8	9	10	11						IN IN/10

ESTIMATES OF SUBSCAPULAR SKINFOLD — NO. 4

WEIGHT	90	100	110	120	130	140	150	160	170	180	190	POUNDS
68.0						5	6	7	8	8	9	MULTIPLE
67.0					4	5	6	7	8	9	10	CORRELA-
S 66.0				4	5	6	6	7	8	9	10	TION
T 65.0			3	4	5	6	7	8	9	9	10	.663
A 64.0		3	3	4	5	6	7	8	9	10	11	
T 63.0		3	4	5	6	6	7	8	9	10		STANDARD
U 62.0	2	3	4	5	6	7	8	9	10	10		ERR EST.
R 61.0	3	4	4	5	6	7	8	9	10			1.4
E 60.0	3	4	5	6	7	7	8	9				
59.0	3	4	5	6	7	8	9					VALUES
58.0	4	5	5	6	7	8						IN IN/10

TABLE XXXIV

REGRESSION ESTIMATES BASED ON COMBINATIONS OF WEIGHT AND STATURE

---WEIGHT IN KILOGRAMS + STATURE IN CENTIMETERS---

ESTIMATES OF SUPRAILIAC SKINFOLD — NO. 5

WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
178.0						17	20	23	26	28	31	MULTIPLE
175.0					15	18	21	24	27	29	32	CORRELA-
S 172.0				14	17	19	22	25	28	30	33	TION
T 169.0			12	15	18	20	23	26	29	31	34	.634
A 166.0		10	13	16	19	21	24	27	30	32	35	
T 163.0		11	14	17	20	22	25	28	31	33		STANDARD
U 160.0	10	12	15	18	21	23	26	29	32	34		ERR EST.
R 157.0	11	13	16	19	22	24	27	30	33			5.4
E 154.0	12	14	17	20	23	26	28	31				
151.0	13	16	18	21	24	27	29					VALUES
148.0	14	17	19	22	25	28						IN MM

ESTIMATES OF MEDIAL CALF SKINFOLD — NO. 6

WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
178.0						14	15	17	18	19	21	MULTIPLE
175.0					13	15	16	17	19	20	21	CORRELA-
S 172.0				13	14	15	17	18	19	21	22	TION
T 169.0			12	13	15	16	17	19	20	21	23	.417
A 166.0		11	13	14	15	17	18	19	21	22	23	
T 163.0		12	13	15	16	17	19	20	21	23		STANDARD
U 160.0	11	12	14	15	17	18	19	21	22	23		ERR EST.
R 157.0	12	13	14	16	17	18	20	21	23			4.7
E 154.0	12	14	15	16	18	19	20	22				
151.0	13	14	16	17	18	20	21					VALUES
148.0	14	15	16	18	19	20						IN MM

ESTIMATES OF STATURE, MAXIMUM — NO. 8

WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
178.0						1786	1787	1787	1787	1787	1787	MULTIPLE
175.0					1756	1757	1757	1757	1757	1757	1757	CORRELA-
S 172.0				1726	1726	1727	1727	1727	1727	1727	1727	TION
T 169.0			1696	1696	1696	1697	1697	1697	1697	1697	1697	.998
A 166.0		1666	1666	1666	1666	1667	1667	1667	1667	1667	1667	
T 163.0		1636	1636	1636	1636	1637	1637	1637	1637	1637		STANDARD
U 160.0	1606	1606	1606	1606	1606	1607	1607	1607	1607	1607		ERR EST.
R 157.0	1576	1576	1576	1576	1576	1577	1577	1577	1577			3.8
E 154.0	1546	1546	1546	1546	1546	1547	1547	1547				
151.0	1516	1516	1516	1516	1516	1517	1517					VALUES
148.0	1486	1486	1486	1486	1486	1487						IN MM

TABLE XXXIV

REGRESSION ESTIMATES BASED ON COMBINATIONS OF WEIGHT AND STATURE

---WEIGHT IN POUNDS + STATURE IN INCHES---

ESTIMATES OF SUPRAILIAC SKINFOLD — NO. 5

STATURE	WEIGHT 90	100	110	120	130	140	150	160	170	180	190	
68.0						8	9	10	12	13	14	MULTIPLE
67.0					7	8	9	11	12	13	14	CORRELA-
66.0				6	7	9	10	11	12	14	15	TION
65.0			5	6	8	9	10	11	13	14	15	.634
64.0		4	6	7	8	9	11	12	13	14	15	
63.0		5	6	7	8	10	11	12	13	15		STANDARD
62.0	4	5	6	8	9	10	11	12	14	15		ERR EST.
61.0	4	5	7	8	9	10	12	13	14			2.1
60.0	5	6	7	8	9	11	12	13				
59.0	5	6	7	9	10	11	12					VALUES
58.0	5	6	8	9	10	11						IN IN/10

ESTIMATES OF MEDIAL CALF SKINFOLD — NO. 6

STATURE	WEIGHT 90	100	110	120	130	140	150	160	170	180	190	
68.0						6	7	7	8	9	9	MULTIPLE
67.0					6	6	7	8	8	9	9	CORRELA-
66.0				5	6	7	7	8	8	9	10	TION
65.0			5	6	6	7	7	8	9	9	10	.417
64.0		5	5	6	6	7	8	8	9	9	10	
63.0		5	5	6	7	7	8	8	9	10		STANDARD
62.0	4	5	6	6	7	7	8	9	9	10		ERR EST.
61.0	5	5	6	6	7	8	8	9	9			1.8
60.0	5	5	6	7	7	8	8	9				
59.0	5	6	6	7	7	8	9					VALUES
58.0	5	6	6	7	8	8						IN IN/10

ESTIMATES OF STATURE, MAXIMUM — NO. 8

STATURE	WEIGHT 90	100	110	120	130	140	150	160	170	180	190	
68.0						683	683	683	683	683	683	MULTIPLE
67.0					673	673	673	673	673	673	673	CORRELA-
66.0				663	663	663	663	663	663	663	663	TION
65.0			652	653	653	653	653	653	653	653	653	.998
64.0		642	642	643	643	643	643	643	643	643	643	
63.0		632	632	633	633	633	633	633	633	633		STANDARD
62.0	622	622	622	623	623	623	623	623	623	623		ERR EST.
61.0	612	612	612	613	613	613	613	613	613			1.5
60.0	602	602	602	603	603	603	603	603				
59.0	592	592	592	593	593	593	593					VALUES
58.0	582	582	582	583	583	583						IN IN/10

TABLE XXXIV

REGRESSION ESTIMATES BASED ON COMBINATIONS OF WEIGHT AND STATURE

---WEIGHT IN KILOGRAMS + STATURE IN CENTIMETERS---

ESTIMATES OF CERVICALE HEIGHT — NO. 9

WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
178.0						1533	1534	1535	1536	1537	1538	MULTIPLE
175.0					1506	1507	1508	1509	1509	1510	1511	CORRELA-
S 172.0				1479	1480	1480	1481	1482	1483	1484	1485	TION
T 169.0			1451	1452	1453	1454	1455	1456	1456	1457	1458	.977
A 166.0		1424	1425	1426	1426	1427	1428	1429	1430	1431	1431	
T 163.0		1397	1398	1399	1400	1401	1402	1402	1403	1404		STANDARD
U 160.0	1370	1371	1372	1373	1373	1374	1375	1376	1377	1378		ERR EST.
R 157.0	1344	1344	1345	1346	1347	1348	1349	1349	1350			11.7
E 154.0	1317	1318	1319	1320	1320	1321	1322	1323				
151.0	1291	1291	1292	1293	1294	1295	1295					VALUES
148.0	1264	1265	1266	1266	1267	1268						IN MM

ESTIMATES OF ACROMIAL HEIGHT — NO. 10

WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
178.0						1455	1457	1458	1460	1462	1464	MULTIPLE
175.0					1428	1430	1431	1433	1435	1436	1438	CORRELA-
S 172.0				1401	1403	1404	1406	1408	1409	1411	1413	TION
T 169.0			1374	1375	1377	1379	1381	1382	1384	1386	1387	.960
A 166.0		1347	1348	1350	1352	1353	1355	1357	1359	1360	1362	
T 163.0		1321	1323	1325	1326	1328	1330	1331	1333	1335		STANDARD
U 160.0	1294	1296	1298	1299	1301	1303	1304	1306	1308	1309		ERR EST.
R 157.0	1269	1270	1272	1274	1276	1277	1279	1281	1282			15.3
E 154.0	1243	1245	1247	1248	1250	1252	1254	1255				
151.0	1218	1220	1221	1223	1225	1226	1228					VALUES
148.0	1193	1194	1196	1198	1199	1201						IN MM

ESTIMATES OF SUPRASTERNALE HEIGHT — NO. 11

WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
178.0						1454	1456	1457	1459	1460	1461	MULTIPLE
175.0					1428	1429	1431	1432	1433	1435	1436	CORRELA-
S 172.0				1402	1403	1404	1406	1407	1408	1410	1411	TION
T 169.0			1375	1376	1378	1379	1381	1382	1383	1385	1386	.974
A 166.0		1349	1350	1351	1353	1354	1355	1357	1358	1360	1361	
T 163.0		1324	1325	1326	1328	1329	1330	1332	1333	1334		STANDARD
U 160.0	1297	1298	1300	1301	1303	1304	1305	1307	1308	1309		ERR EST.
R 157.0	1272	1273	1275	1276	1277	1279	1280	1282	1283			12.1
E 154.0	1247	1248	1250	1251	1252	1254	1255	1256				
151.0	1222	1223	1225	1226	1227	1229	1230					VALUES
148.0	1197	1198	1199	1201	1202	1204						IN MM

TABLE XXXIV

REGRESSION ESTIMATES BASED ON COMBINATIONS OF WEIGHT AND STATURE

---WEIGHT IN POUNDS + STATURE IN INCHES---

ESTIMATES OF CERVICALE HEIGHT — NO. 9

WEIGHT	90	100	110	120	130	140	150	160	170	180	190	POUNDS
68.0						585	586	586	587	587	587	MULTIPLE
67.0					576	577	577	577	578	578	578	CORRELA-
S 66.0				567	567	568	568	569	569	569	570	TION
T 65.0			558	558	559	559	559	560	560	560	561	.977
A 64.0		549	549	549	550	550	550	551	551	552	552	
T 63.0		540	540	540	541	541	542	542	542	543		STANDARD
U 62.0	531	531	531	532	532	532	533	533	534	534		ERR EST.
R 61.0	522	522	522	523	523	524	524	524	525			4.6
E 60.0	513	513	514	514	514	515	515	515				
59.0	504	504	505	505	505	506	506					VALUES
58.0	495	496	496	496	497	497						IN IN/10

ESTIMATES OF ACROMIAL HEIGHT — NO. 10

WEIGHT	90	100	110	120	130	140	150	160	170	180	190	POUNDS
68.0						556	556	557	558	559	559	MULTIPLE
67.0					546	547	548	549	549	550	551	CORRELA-
S 66.0				537	538	539	539	540	541	542	542	TION
T 65.0			528	529	529	530	531	532	532	533	534	.960
A 64.0		519	519	520	521	522	522	523	524	525	525	
T 63.0		510	511	512	512	513	514	515	515	516		STANDARD
U 62.0	501	502	502	503	504	505	505	506	507	508		ERR EST.
R 61.0	492	493	494	495	495	496	497	498	498			6.0
E 60.0	484	485	485	486	487	488	489	489				
59.0	476	476	477	478	479	479	480					VALUES
58.0	467	468	469	469	470	471						IN IN/10

ESTIMATES OF SUPRASTERNALE HEIGHT — NO. 11

WEIGHT	90	100	110	120	130	140	150	160	170	180	190	POUNDS
68.0						555	556	557	557	558	558	MULTIPLE
67.0					546	547	548	548	549	550	550	CORRELA-
S 66.0				537	538	539	539	540	541	541	542	TION
T 65.0			529	529	530	530	531	532	532	533	533	.974
A 64.0		520	520	521	521	522	523	523	524	524	525	
T 63.0		511	512	512	513	514	514	515	515	516		STANDARD
U 62.0	502	503	503	504	505	505	506	506	507	508		ERR EST.
R 61.0	494	494	495	496	496	497	498	498	499			4.8
E 60.0	485	486	487	487	488	489	489	490				
59.0	477	478	478	479	480	480	481					VALUES
58.0	469	469	470	471	471	472						IN IN/10

TABLE XXXIV

REGRESSION ESTIMATES BASED ON COMBINATIONS OF WEIGHT AND STATURE

---WEIGHT IN KILOGRAMS + STATURE IN CENTIMETERS---

ESTIMATES OF BUSTPOINT HEIGHT — NO. 12

WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
178.0						1313	1312	1311	1309	1308	1306	MULTIPLE
175.0					1290	1288	1287	1286	1284	1283	1281	CORRELA-
S 172.0				1266	1265	1264	1262	1261	1259	1258	1257	TION
T 169.0			1243	1242	1240	1239	1237	1236	1235	1233	1232	.928
A 166.0		1220	1218	1217	1215	1214	1213	1211	1210	1208	1207	
T 163.0		1195	1193	1192	1190	1189	1188	1186	1185	1183		STANDARD
U 160.0	1171	1170	1168	1167	1166	1164	1163	1161	1160	1159		ERR EST.
R 157.0	1146	1145	1144	1142	1141	1139	1138	1137	1135			19.5
E 154.0	1122	1120	1119	1117	1116	1115	1113	1112				
151.0	1097	1095	1094	1093	1091	1090	1088					VALUES
148.0	1072	1070	1069	1068	1066	1065						IN MM

ESTIMATES OF WAIST HEIGHT — NO. 13

WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
178.0						1111	1111	1112	1112	1112	1113	MULTIPLE
175.0					1090	1091	1091	1091	1092	1092	1092	CORRELA-
S 172.0				1070	1070	1070	1071	1071	1071	1072	1072	TION
T 169.0			1049	1049	1050	1050	1050	1051	1051	1051	1052	.914
A 166.0		1028	1029	1029	1029	1030	1030	1030	1031	1031	1031	
T 163.0		1008	1008	1009	1009	1009	1010	1010	1010	1011		STANDARD
U 160.0	987	988	988	988	989	989	989	990	990	990		ERR EST.
R 157.0	967	967	967	968	968	969	969	969	970			18.3
E 154.0	946	947	947	947	948	948	948	949				
151.0	926	926	927	927	927	928	928					VALUES
148.0	906	906	906	907	907	907						IN MM

ESTIMATES OF ABDOMINAL EXTENSION HEIGHT — NO. 14

WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
178.0						1039	1037	1036	1034	1033	1031	MULTIPLE
175.0					1020	1018	1017	1015	1014	1012	1011	CORRELA-
S 172.0				1001	999	998	996	995	993	992	990	TION
T 169.0			982	980	979	977	976	974	973	971	970	.899
A 166.0		963	961	960	958	957	955	954	952	950	949	
T 163.0		942	941	939	938	936	934	933	931	930		STANDARD
U 160.0	923	922	920	918	917	915	914	912	911	909		ERR EST.
R 157.0	903	901	899	898	896	895	893	892	890			19.4
E 154.0	882	880	879	877	876	874	873	871				
151.0	861	860	858	857	855	854	852					VALUES
148.0	841	839	838	836	835	833						IN MM

TABLE XXXIV

REGRESSION ESTIMATES BASED ON COMBINATIONS OF WEIGHT AND STATURE

---WEIGHT IN POUNDS + STATURE IN INCHES---

ESTIMATES OF BUSTPOINT HEIGHT — NO. 12

WEIGHT / STATURE	90	100	110	120	130	140	150	160	170	180	190
68.0						500	499	498	498	497	496
67.0					492	491	491	490	489	489	488
66.0				484	484	483	482	482	481	481	480
65.0			477	476	475	475	474	474	473	472	472
64.0		469	468	468	467	467	466	465	465	464	463
63.0		461	460	459	459	458	458	457	456	456	
62.0	453	452	452	451	451	450	449	449	448	447	
61.0	445	444	444	443	442	442	441	440	440		
60.0	437	436	435	435	434	433	433	432			
59.0	428	428	427	426	426	425	424				
58.0	420	419	419	418	417	417					

MULTIPLE CORRELATION .928

STANDARD ERR EST. 7.7

VALUES IN IN/10

ESTIMATES OF WAIST HEIGHT — NO. 13

WEIGHT / STATURE	90	100	110	120	130	140	150	160	170	180	190
68.0						423	424	424	424	424	424
67.0					416	417	417	417	417	417	417
66.0				409	410	410	410	410	410	410	411
65.0			403	403	403	403	403	403	403	404	404
64.0		396	396	396	396	396	396	397	397	397	397
63.0		389	389	389	389	389	390	390	390	390	
62.0	382	382	382	382	382	383	383	383	383	383	
61.0	375	375	375	376	376	376	376	376	376		
60.0	368	368	369	369	369	369	369	369			
59.0	362	362	362	362	362	362	362				
58.0	355	355	355	355	355	355					

MULTIPLE CORRELATION .914

STANDARD ERR EST. 7.2

VALUES IN IN/10

ESTIMATES OF ABDOMINAL EXTENSION HEIGHT — NO. 14

WEIGHT / STATURE	90	100	110	120	130	140	150	160	170	180	190
68.0						395	394	393	392	392	391
67.0					388	388	387	386	386	385	384
66.0				382	382	381	380	379	379	378	377
65.0			376	375	375	374	373	373	372	371	371
64.0		370	369	368	368	367	366	366	365	364	364
63.0		363	362	362	361	360	360	359	358	357	
62.0	357	356	355	355	354	353	353	352	351	351	
61.0	350	349	349	348	347	347	346	345	344		
60.0	343	342	342	341	340	340	339	338			
59.0	336	336	335	334	333	333	332				
58.0	329	329	328	327	327	326					

MULTIPLE CORRELATION .899

STANDARD ERR EST. 7.6

VALUES IN IN/10

TABLE XXXIV

REGRESSION ESTIMATES BASED ON COMBINATIONS OF WEIGHT AND STATURE

---WEIGHT IN KILOGRAMS + STATURE IN CENTIMETERS---

ESTIMATES OF TROCHANTERIC HEIGHT — NO. 15

WEIGHT		42	46	50	54	58	62	66	70	74	78	82	KILOS
	178.0						923	923	923	923	923	924	MULTIPLE
	175.0					904	905	905	905	905	905	906	CORRELA-
S	172.0				886	886	887	887	887	887	887	888	TION
T	169.0			868	868	868	868	869	869	869	869	869	.852
A	166.0		850	850	850	850	850	851	851	851	851	851	
T	163.0		832	832	832	832	832	833	833	833	833		STANDARD
U	160.0	813	813	814	814	814	814	814	815	815	815		ERR EST.
R	157.0	795	795	796	796	796	796	796	797	797			22.3
E	154.0	777	777	778	778	778	778	778	779				
	151.0	759	759	759	760	760	760	760					VALUES
	148.0	741	741	741	742	742	742						IN MM

ESTIMATES OF BUTTOCK HEIGHT — NO. 16

WEIGHT		42	46	50	54	58	62	66	70	74	78	82	KILOS
	178.0						915	915	916	916	917	917	MULTIPLE
	175.0					897	897	898	898	899	899	900	CORRELA-
S	172.0				879	879	880	881	881	882	882	883	TION
T	169.0			861	862	862	863	863	864	864	865	865	.848
A	166.0		843	844	844	845	845	846	846	847	847	848	
T	163.0		826	826	827	827	828	828	829	829	830		STANDARD
U	160.0	808	808	809	809	810	810	811	812	812	813		ERR EST.
R	157.0	791	791	792	792	793	793	794	794	795			22.1
E	154.0	773	774	774	775	775	776	776	777				
	151.0	756	756	757	757	758	758	759					VALUES
	148.0	738	739	739	740	740	741						IN MM

ESTIMATES OF GLUTEAL FURROW HEIGHT — NO. 17

WEIGHT		42	46	50	54	58	62	66	70	74	78	82	KILOS
	178.0						817	815	813	810	808	806	MULTIPLE
	175.0					802	800	797	795	793	791	789	CORRELA-
S	172.0				786	784	782	780	778	776	773	771	TION
T	169.0			771	769	767	765	763	760	758	756	754	.830
A	166.0		756	754	752	749	747	745	743	741	739	736	
T	163.0		739	736	734	732	730	728	726	723	721		STANDARD
U	160.0	723	721	719	717	715	712	710	708	706	704		ERR EST.
R	157.0	706	704	702	699	697	695	693	691	688			22.1
E	154.0	688	686	684	682	680	678	675	673				
	151.0	671	669	667	665	662	660	658					VALUES
	148.0	654	651	649	647	645	643						IN MM

TABLE XXXIV

REGRESSION ESTIMATES BASED ON COMBINATIONS OF WEIGHT AND STATURE

---WEIGHT IN POUNDS + STATURE IN INCHES---

ESTIMATES OF TROCHANTERIC HEIGHT — NO. 15

WEIGHT	90	100	110	120	130	140	150	160	170	180	190	POUNDS
68.0						351	351	351	351	351	351	MULTIPLE
67.0					345	345	345	345	345	345	345	CORRELA-
S 66.0				339	339	339	339	339	339	339	339	TION
T 65.0			332	333	333	333	333	333	333	333	333	.852
A 64.0		326	326	327	327	327	327	327	327	327	327	
T 63.0		320	320	320	321	321	321	321	321	321		STANDARD
U 62.0	314	314	314	314	315	315	315	315	315	315		ERR EST.
R 61.0	308	308	308	308	309	309	309	309	309			8.8
E 60.0	302	302	302	302	303	303	303	303				
59.0	296	296	296	296	296	297	297					VALUES
58.0	290	290	290	290	290	291						IN IN/10

ESTIMATES OF BUTTOCK HEIGHT — NO. 16

WEIGHT	90	100	110	120	130	140	150	160	170	180	190	POUNDS
68.0						348	348	349	349	349	349	MULTIPLE
67.0					342	342	343	343	343	343	344	CORRELA-
S 66.0				336	336	337	337	337	337	337	338	TION
T 65.0			330	330	331	331	331	331	331	332	332	.848
A 64.0		324	324	325	325	325	325	325	326	326	326	
T 63.0		318	319	319	319	319	319	320	320	320		STANDARD
U 62.0	312	313	313	313	313	313	314	314	314	314		ERR EST.
R 61.0	306	307	307	307	307	308	308	308	308			8.7
E 60.0	301	301	301	301	302	302	302	302				
59.0	295	295	295	296	296	296	296					VALUES
58.0	289	289	290	290	290	290						IN IN/10

ESTIMATES OF GLUTEAL FURROW HEIGHT — NO. 17

WEIGHT	90	100	110	120	130	140	150	160	170	180	190	POUNDS
68.0						309	308	307	306	305	304	MULTIPLE
67.0					304	303	302	301	301	300	299	CORRELA-
S 66.0				300	299	298	297	296	295	294	293	TION
T 65.0			295	294	293	292	291	290	289	288	287	.830
A 64.0		290	289	288	287	286	285	284	283	282	281	
T 63.0		284	283	282	281	280	279	278	277	276		STANDARD
U 62.0	279	278	277	276	275	274	273	272	271	271		ERR EST.
R 61.0	273	272	272	271	270	269	268	267	266			8.7
E 60.0	268	267	266	265	264	263	262	261				
59.0	262	261	260	259	258	257	256					VALUES
58.0	256	255	254	253	252	251						IN IN/10

TABLE XXXIV

REGRESSION ESTIMATES BASED ON COMBINATIONS OF WEIGHT AND STATURE

---WEIGHT IN KILOGRAMS + STATURE IN CENTIMETERS---

ESTIMATES OF TIBIALE HEIGHT — NO. 18

WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
178.0						470	469	469	469	469	469	MULTIPLE
175.0					460	460	460	460	460	459	459	CORRELA-
S 172.0				451	451	451	451	450	450	450	450	TION
T 169.0			442	442	442	441	441	441	441	441	440	.787
A 166.0		433	432	432	432	432	432	431	431	431	431	
T 163.0		423	423	423	423	422	422	422	422	422		STANDARD
U 160.0	414	414	414	413	413	413	413	413	412	412		ERR EST.
R 157.0	405	404	404	404	404	404	403	403	403			14.7
E 154.0	395	395	395	395	394	394	394	394				
151.0	386	385	385	385	385	385	384					VALUES
148.0	376	376	376	376	375	375						IN MM

ESTIMATES OF CROTCH HEIGHT — NO. 19

WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
178.0						837	836	835	835	834	833	MULTIPLE
175.0					820	819	819	818	817	817	816	CORRELA-
S 172.0				803	802	802	801	801	800	799	799	TION
T 169.0			786	786	785	784	784	783	782	782	781	.849
A 166.0		770	769	768	768	767	766	766	765	764	764	
T 163.0		752	751	751	750	750	749	748	748	747		STANDARD
U 160.0	735	735	734	733	733	732	731	731	730	730		ERR EST.
R 157.0	718	717	717	716	715	715	714	713	713			21.3
E 154.0	701	700	699	699	698	697	697	696				
151.0	683	682	682	681	681	680	679					VALUES
148.0	666	665	664	664	663	662						IN MM

ESTIMATES OF ANKLE HEIGHT — NO. 20

WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
178.0						123	123	123	123	123	123	MULTIPLE
175.0					121	121	121	121	121	121	121	CORRELA-
S 172.0				119	119	119	119	119	119	119	118	TION
T 169.0			117	117	117	117	117	117	116	116	116	.306
A 166.0		115	115	115	115	115	114	114	114	114	114	
T 163.0		113	113	113	112	112	112	112	112	112		STANDARD
U 160.0	111	111	110	110	110	110	110	110	110	110		ERR EST.
R 157.0	109	108	108	108	108	108	108	108	108			12.9
E 154.0	106	106	106	106	106	106	106	106				
151.0	104	104	104	104	104	104	104					VALUES
148.0	102	102	102	102	102	102						IN MM

TABLE XXXIV

REGRESSION ESTIMATES BASED ON COMBINATIONS OF WEIGHT AND STATURE

---WEIGHT IN POUNDS + STATURE IN INCHES---

ESTIMATES OF TIBIALE HEIGHT — NO. 18

WEIGHT	90	100	110	120	130	140	150	160	170	180	190	POUNDS
68.0						178	178	178	178	178	178	MULTIPLE
67.0					175	175	175	175	175	175	175	CORRELA-
S 66.0				172	172	172	172	172	172	172	172	TION
T 65.0			169	169	169	169	169	169	169	169	168	.787
A 64.0		166	166	166	166	166	166	166	165	165	165	
T 63.0		163	163	163	163	163	163	162	162	162		STANDARD
U 62.0	160	160	160	160	160	159	159	159	159	159		ERR EST.
R 61.0	157	157	157	156	156	156	156	156	156			5.8
E 60.0	154	154	153	153	153	153	153	153				
59.0	150	150	150	150	150	150	150					VALUES
58.0	147	147	147	147	147	147						IN IN/10

ESTIMATES OF CROTCH HEIGHT — NO. 19

WEIGHT	90	100	110	120	130	140	150	160	170	180	190	POUNDS
68.0						317	317	317	316	316	316	MULTIPLE
67.0					312	311	311	311	311	310	310	CORRELA-
S 66.0				306	306	306	305	305	305	304	304	TION
T 65.0			301	300	300	300	300	299	299	299	298	.849
A 64.0		295	295	295	294	294	294	293	293	293	293	
T 63.0		289	289	289	288	288	288	288	287	287		STANDARD
U 62.0	284	284	283	283	283	282	282	282	282	281		ERR EST.
R 61.0	278	278	277	277	277	277	276	276	276			8.4
E 60.0	272	272	272	271	271	271	270	270				
59.0	266	266	266	266	265	265	265					VALUES
58.0	261	260	260	260	259	259						IN IN/10

ESTIMATES OF ANKLE HEIGHT — NO. 20

WEIGHT	90	100	110	120	130	140	150	160	170	180	190	POUNDS
68.0						47	47	47	47	47	47	MULTIPLE
67.0					46	46	46	46	46	46	46	CORRELA-
S 66.0				46	46	46	46	45	45	45	45	TION
T 65.0			45	45	45	45	45	45	45	45	45	.386
A 64.0		44	44	44	44	44	44	44	44	44	44	
T 63.0		44	44	43	43	43	43	43	43	43		STANDARD
U 62.0	43	43	43	43	43	43	43	43	43	43		ERR EST.
R 61.0	42	42	42	42	42	42	42	42	42			5.1
E 60.0	41	41	41	41	41	41	41	41				
59.0	41	41	41	41	41	41	41					VALUES
58.0	40	40	40	40	40	40						IN IN/10

TABLE XXXIV

REGRESSION ESTIMATES BASED ON COMBINATIONS OF WEIGHT AND STATURE

---WEIGHT IN KILOGRAMS + STATURE IN CENTIMETERS---

ESTIMATES OF LATERAL MALLEOLUS HEIGHT — NO. 21

WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
178.0						74	74	74	74	75	75	MULTIPLE
175.0					73	73	73	73	73	73	73	CORRELA-
S 172.0				72	72	72	72	72	72	72	72	TION
T 169.0			70	70	71	71	71	71	71	71	71	.426
A 166.0		69	69	69	69	69	69	70	70	70	70	
T 163.0		68	68	68	68	68	68	68	68	69		STANDARD
U 160.0	67	67	67	67	67	67	67	67	67	67		ERR EST.
R 157.0	65	65	66	66	66	66	66	66	66			5.3
E 154.0	64	64	64	64	64	65	65	65				
151.0	63	63	63	63	63	63	63					VALUES
148.0	62	62	62	62	62	62						IN MM

ESTIMATES OF SITTING HEIGHT, RELAXED — NO. 22

WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
178.0						909	910	911	911	912	913	MULTIPLE
175.0					896	897	897	898	899	900	901	CORRELA-
S 172.0				883	883	884	885	886	887	888	888	TION
T 169.0			869	870	871	872	873	874	874	875	876	.783
A 166.0		856	857	858	859	860	861	861	862	863	864	
T 163.0		844	845	846	847	847	848	849	850	851		STANDARD
U 160.0	831	832	833	833	834	835	836	837	838	838		ERR EST.
R 157.0	819	819	820	821	822	823	824	824	825			20.2
E 154.0	806	807	808	809	810	810	811	812				
151.0	794	795	796	797	797	798	799					VALUES
148.0	782	783	783	784	785	786						IN MM

ESTIMATES OF SITTING HEIGHT — NO. 23

WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
178.0						921	922	924	925	926	928	MULTIPLE
175.0					908	909	910	912	913	914	916	CORRELA-
S 172.0				894	896	897	898	900	901	902	904	TION
T 169.0			881	882	884	885	886	888	889	890	892	.803
A 166.0		868	869	870	872	873	874	876	877	878	880	
T 163.0		856	857	858	860	861	862	864	865	866		STANDARD
U 160.0	842	844	845	846	848	849	850	852	853	854		ERR EST.
R 157.0	830	832	833	834	836	837	838	840	841			18.9
E 154.0	818	820	821	822	824	825	826	828				
151.0	806	808	809	810	812	813	814					VALUES
148.0	794	796	797	798	800	801						IN MM

TABLE XXXIV

REGRESSION ESTIMATES BASED ON COMBINATIONS OF WEIGHT AND STATURE

---WEIGHT IN POUNDS + STATURE IN INCHES---

ESTIMATES OF LATERAL MALLEOLUS HEIGHT — NO. 21

STATURE	WEIGHT 90	100	110	120	130	140	150	160	170	180	190	
68.0						28	28	28	29	29	29	MULTIPLE
67.0					28	28	28	28	28	28	28	CORRELA-
66.0				28	28	28	28	28	28	28	28	TION
65.0			27	27	27	27	27	27	27	27	27	.426
64.0		27	27	27	27	27	27	27	27	27	27	
63.0		26	26	26	26	26	26	26	27	27		STANDARD
62.0	26	26	26	26	26	26	26	26	26	26		ERR EST.
61.0	25	25	25	26	26	26	26	26	26			2.1
60.0	25	25	25	25	25	25	25	25				
59.0	25	25	25	25	25	25	25					VALUES
58.0	24	24	24	24	24	24						IN IN/10

ESTIMATES OF SITTING HEIGHT, RELAXED — NO. 22

STATURE	WEIGHT 90	100	110	120	130	140	150	160	170	180	190	
68.0						349	350	350	351	351	351	MULTIPLE
67.0					345	345	346	346	346	347	347	CORRELA-
66.0				340	341	341	342	342	342	343	343	TION
65.0			336	336	337	337	337	338	338	339	339	.783
64.0		332	332	332	333	333	333	334	334	335	335	
63.0		327	328	328	329	329	329	330	330	330		STANDARD
62.0	323	323	324	324	324	325	325	326	326	326		ERR EST.
61.0	319	319	320	320	320	321	321	321	322			8.0
60.0	315	315	316	316	316	317	317	317				
59.0	311	311	311	312	312	313	313					VALUES
58.0	307	307	307	308	308	308						IN IN/10

ESTIMATES OF SITTING HEIGHT — NO. 23

STATURE	WEIGHT 90	100	110	120	130	140	150	160	170	180	190	
68.0						355	355	356	356	357	357	MULTIPLE
67.0					350	351	351	352	352	353	353	CORRELA-
66.0				345	346	346	347	348	348	349	349	TION
65.0			341	341	342	342	343	344	344	345	345	.803
64.0		336	337	337	338	338	339	340	340	341	341	
63.0		332	333	333	334	334	335	336	336	337		STANDARD
62.0	328	328	329	329	330	330	331	332	332	333		ERR EST.
61.0	324	324	325	325	326	326	327	328	328			7.4
60.0	320	320	321	321	322	322	323	324				
59.0	316	316	317	317	318	318	319					VALUES
58.0	312	312	313	313	314	314						IN IN/10

TABLE XXXIV

REGRESSION ESTIMATES BASED ON COMBINATIONS OF WEIGHT AND STATURE

---WEIGHT IN KILOGRAMS + STATURE IN CENTIMETERS---

ESTIMATES OF EYE HEIGHT, SITTING — NO. 24

WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
178.0						795	796	797	799	800	801	MULTIPLE
175.0					783	784	785	787	788	789	790	CORRELA-
S 172.0				771	772	773	775	776	777	779	780	TION
T 169.0			759	760	762	763	764	765	767	768	769	.740
A 166.0		747	748	750	751	752	753	755	756	757	758	
T 163.0		737	738	739	740	742	743	744	745	747		STANDARD
U 160.0	725	726	727	728	730	731	732	733	735	736		ERR EST.
R 157.0	714	715	717	718	719	720	722	723	724			20.6
E 154.0	703	705	706	707	708	710	711	712				
151.0	693	694	695	697	698	699	700					VALUES
148.0	682	683	685	686	687	688						IN MM

ESTIMATES OF MIDSHOULDER HEIGHT, SITTING — NO. 25

WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
178.0						627	629	631	634	636	638	MULTIPLE
175.0					616	618	621	623	625	628	630	CORRELA-
S 172.0				605	608	610	612	615	617	619	622	TION
T 169.0			595	597	599	602	604	606	609	611	613	.729
A 166.0		584	586	589	591	593	596	598	600	602	605	
T 163.0		576	578	580	583	585	587	590	592	594		STANDARD
U 160.0	565	567	570	572	574	577	579	581	583	586		ERR EST.
R 157.0	557	559	561	564	566	568	571	573	575			18.2
E 154.0	548	551	553	555	558	560	562	564				
151.0	540	542	545	547	549	551	554					VALUES
148.0	532	534	536	539	541	543						IN MM

ESTIMATES OF WAIST HEIGHT, SITTING — NO. 26

WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
178.0						249	251	253	255	258	260	MULTIPLE
175.0					244	246	249	251	253	255	257	CORRELA-
S 172.0				240	242	244	246	248	251	253	255	TION
T 169.0			235	237	239	242	244	246	248	250	253	.452
A 166.0		230	233	235	237	239	241	244	246	248	250	
T 163.0		228	230	232	235	237	239	241	243	246		STANDARD
U 160.0	223	226	228	230	232	234	237	239	241	243		ERR EST.
R 157.0	221	223	225	228	230	232	234	236	239			15.5
E 154.0	219	221	223	225	227	230	232	234				
151.0	216	218	221	223	225	227	229					VALUES
148.0	214	216	218	220	223	225						IN MM

TABLE XXXIV

REGRESSION ESTIMATES BASED ON COMBINATIONS OF WEIGHT AND STATURE

---WEIGHT IN POUNDS + STATURE IN INCHES---

ESTIMATES OF EYE HEIGHT, SITTING — NO. 24

WEIGHT	90	100	110	120	130	140	150	160	170	180	190	POUNDS
68.0						306	306	307	307	308	309	MULTIPLE
67.0					302	302	303	303	304	304	305	CORRELA-
S 66.0				298	298	299	299	300	300	301	301	TION
T 65.0			293	294	295	295	296	296	297	297	298	.740
A 64.0		289	290	290	291	292	292	293	293	294	294	
T 63.0		286	286	287	287	288	289	289	290	290		STANDARD
U 62.0	282	282	283	283	284	284	285	286	286	287		ERR EST.
R 61.0	278	279	279	280	280	281	281	282	283			8.1
E 60.0	275	275	276	276	277	277	278	278				
59.0	271	272	272	273	273	274	274					VALUES
58.0	267	268	269	269	270	270						IN IN/10

ESTIMATES OF MIDSHOULDER HEIGHT, SITTING — NO. 25

WEIGHT	90	100	110	120	130	140	150	160	170	180	190	POUNDS
68.0						241	242	243	244	245	246	MULTIPLE
67.0					238	239	240	241	242	243	244	CORRELA-
S 66.0				234	235	236	237	238	239	240	241	TION
T 65.0			230	231	232	233	234	235	236	237	238	.729
A 64.0		226	227	228	229	230	231	232	233	234	235	
T 63.0		223	224	225	226	227	228	229	230	231		STANDARD
U 62.0	219	220	222	223	224	225	226	227	228	229		ERR EST.
R 61.0	217	218	219	220	221	222	223	224	225			7.2
E 60.0	214	215	216	217	218	219	220	221				
59.0	211	212	213	214	215	216	217					VALUES
58.0	208	209	210	211	212	213						IN IN/10

ESTIMATES OF WAIST HEIGHT, SITTING — NO. 26

WEIGHT	90	100	110	120	130	140	150	160	170	180	190	POUNDS
68.0						97	98	99	100	101	102	MULTIPLE
67.0					95	96	97	98	99	100	101	CORRELA-
S 66.0				93	94	95	96	97	98	99	100	TION
T 65.0			91	92	93	94	95	96	97	98	99	.452
A 64.0		89	90	91	92	93	94	95	96	97	98	
T 63.0		89	90	91	92	93	94	95	96	97		STANDARD
U 62.0	87	88	89	90	91	92	93	94	95	96		ERR EST.
R 61.0	86	87	88	89	90	91	92	93	94			6.1
E 60.0	85	86	87	88	89	90	91	92				
59.0	84	85	86	87	88	89	90					VALUES
58.0	84	85	86	87	88	89						IN IN/10

TABLE XXXIV

REGRESSION ESTIMATES BASED ON COMBINATIONS OF WEIGHT AND STATURE

---WEIGHT IN KILOGRAMS + STATURE IN CENTIMETERS---

ESTIMATES OF ELBOW REST HEIGHT — NO. 27

WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
178.0						239	240	241	242	243	244	MULTIPLE
175.0					236	237	238	239	240	241	242	CORRELA-
S 172.0				233	234	235	236	237	238	239	240	TION
T 169.0			230	231	232	233	234	235	236	237	237	.213
A 166.0		227	228	229	230	231	232	233	234	235	235	
T 163.0		225	226	227	228	229	230	231	232	232		STANDARD
U 160.0	222	223	224	225	226	227	228	229	230	230		ERR EST.
R 157.0	220	221	222	223	224	225	226	227	227			24.1
E 154.0	218	219	220	221	222	223	224	225				
151.0	216	217	218	219	220	221	222					VALUES
148.0	214	215	216	217	218	219						IN MM

ESTIMATES OF POPLITEAL HEIGHT — NO. 28

WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
178.0						447	446	446	446	446	445	MULTIPLE
175.0					440	440	440	439	439	439	439	CORRELA-
S 172.0				433	433	433	433	432	432	432	432	TION
T 169.0			427	427	426	426	426	426	425	425	425	.728
A 166.0		420	420	420	419	419	419	419	418	418	418	
T 163.0		413	413	413	413	412	412	412	412	411		STANDARD
U 160.0	407	406	406	406	406	405	405	405	405	404		ERR EST.
R 157.0	400	399	399	399	399	399	398	398	398			12.8
E 154.0	393	393	392	392	392	392	391	391				
151.0	386	386	385	385	385	385	384					VALUES
148.0	379	379	379	378	378	378						IN MM

ESTIMATES OF BUTTOCK-POPLITEAL LENGTH — NO. 29

WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
178.0						518	522	527	531	536	540	MULTIPLE
175.0					507	511	516	520	524	529	533	CORRELA-
S 172.0				495	500	504	509	513	518	522	527	TION
T 169.0			484	489	493	498	502	506	511	515	520	.702
A 166.0		473	477	482	486	491	495	500	504	509	513	
T 163.0		466	471	475	480	484	488	493	497	502		STANDARD
U 160.0	455	459	464	468	473	477	482	486	491	495		ERR EST.
R 157.0	448	453	457	462	466	470	475	479	484			19.7
E 154.0	441	446	450	455	459	464	468	473				
151.0	435	439	444	448	452	457	461					VALUES
148.0	428	432	437	441	446	450						IN MM

TABLE XXXIV

REGRESSION ESTIMATES BASED ON COMBINATIONS OF WEIGHT AND STATURE

---WEIGHT IN POUNDS + STATURE IN INCHES---

ESTIMATES OF ELBOW REST HEIGHT — NO. 27

WEIGHT	90	100	110	120	130	140	150	160	170	180	190	
68.0						93	93	94	94	94	95	MULTIPLE
67.0					92	92	93	93	93	94	94	CORRELA-
S 66.0				91	91	91	92	92	93	93	94	TION
T 65.0			89	90	90	91	91	92	92	92	93	.213
A 64.0		88	89	89	90	90	90	91	91	92	92	
T 63.0		88	88	89	89	89	90	90	91	91		STANDARD
U 62.0	87	87	87	88	88	89	89	90	90	90		ERR EST.
R 61.0	86	86	87	87	88	88	88	89	89			9.5
E 60.0	85	86	86	87	87	87	88	88				
59.0	85	85	85	86	86	87	87					VALUES
58.0	84	84	85	85	86	86						IN IN/10

ESTIMATES OF POPLITEAL HEIGHT — NO. 28

WEIGHT	90	100	110	120	130	140	150	160	170	180	190	
68.0						171	171	171	171	171	171	MULTIPLE
67.0					169	169	169	169	168	168	168	CORRELA-
S 66.0				167	167	166	166	166	166	166	166	TION
T 65.0			164	164	164	164	164	164	164	164	164	.728
A 64.0		162	162	162	162	162	162	162	162	161	161	
T 63.0		160	160	160	160	160	159	159	159	159		STANDARD
U 62.0	158	158	158	158	157	157	157	157	157	157		ERR EST.
R 61.0	156	155	155	155	155	155	155	155	155			5.0
E 60.0	153	153	153	153	153	153	153	152				
59.0	151	151	151	151	151	150	150					VALUES
58.0	149	149	148	148	148	148						IN IN/10

ESTIMATES OF BUTTOCK-POPLITEAL LENGTH — NO. 29

WEIGHT	90	100	110	120	130	140	150	160	170	180	190	
68.0						200	202	204	206	208	210	MULTIPLE
67.0					196	198	200	202	204	206	208	CORRELA-
S 66.0				191	193	195	197	199	201	203	205	TION
T 65.0			187	189	191	193	195	197	199	201	203	.702
A 64.0		183	185	187	189	191	193	195	197	199	201	
T 63.0		181	183	185	187	189	191	193	195	197		STANDARD
U 62.0	176	178	180	182	184	186	188	190	192	194		ERR EST.
R 61.0	174	176	178	180	182	184	186	188	190			7.7
E 60.0	172	174	176	178	180	182	184	186				
59.0	170	172	174	176	178	180	182					VALUES
58.0	167	169	171	173	175	177						IN IN/10

TABLE XXXIV

REGRESSION ESTIMATES BASED ON COMBINATIONS OF WEIGHT AND STATURE

---WEIGHT IN KILOGRAMS + STATURE IN CENTIMETERS---

ESTIMATES OF BUTTOCK-KNEE LENGTH — NO. 30

WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
178.0						619	625	630	636	641	647	MULTIPLE
175.0					606	612	617	623	629	634	640	CORRELA-
S 172.0				593	599	605	610	616	621	627	632	TION
T 169.0			580	586	592	597	603	608	614	619	625	.839
A 166.0		568	573	579	584	590	595	601	607	612	618	
T 163.0		560	566	571	577	583	588	594	599	605		STANDARD
U 160.0	547	553	558	564	570	575	581	586	592	597		ERR EST.
R 157.0	540	546	551	557	562	568	573	579	585			14.3
E 154.0	533	538	544	549	555	561	566	572				
151.0	525	531	536	542	548	553	559					VALUES
148.0	518	524	529	535	540	546						IN MM

ESTIMATES OF ACROMION-RADIALE LENGTH — NO. 31

WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
178.0						340	341	342	342	343	344	MULTIPLE
175.0					334	335	335	336	337	337	338	CORRELA-
S 172.0				328	328	329	330	330	331	332	332	TION
T 169.0			322	322	323	324	324	325	326	326	327	.728
A 166.0		315	316	317	317	318	319	319	320	321	321	
T 163.0		310	310	311	312	312	313	314	314	315		STANDARD
U 160.0	304	304	305	306	306	307	308	308	309	310		ERR EST.
R 157.0	298	299	299	300	301	301	302	303	303			11.2
E 154.0	292	293	294	294	295	296	296	297				
151.0	287	288	288	289	290	290	291					VALUES
148.0	281	282	283	283	284	285						IN MM

ESTIMATES OF RADIALE-STYLION LENGTH — NO. 32

WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
178.0						258	258	258	258	259	259	MULTIPLE
175.0					253	253	253	254	254	254	254	CORRELA-
S 172.0				248	249	249	249	249	249	250	250	TION
T 169.0			244	244	244	244	245	245	245	245	245	.666
A 166.0		239	239	239	240	240	240	240	241	241	241	
T 163.0		235	235	235	235	235	236	236	236	236		STANDARD
U 160.0	230	230	230	231	231	231	231	231	232	232		ERR EST.
R 157.0	225	226	226	226	226	227	227	227	227			10.2
E 154.0	221	221	221	222	222	222	222	223				
151.0	217	217	217	217	217	218	218					VALUES
148.0	212	212	213	213	213	213						IN MM

TABLE XXXIV

REGRESSION ESTIMATES BASED ON COMBINATIONS OF WEIGHT AND STATURE

---WEIGHT IN POUNDS + STATURE IN INCHES---

ESTIMATES OF BUTTOCK-KNEE LENGTH — NO. 30

WEIGHT	90	100	110	120	130	140	150	160	170	180	190	POUNDS
68.0						240	242	244	247	249	252	MULTIPLE
67.0					235	237	240	242	245	247	250	CORRELA-
S 66.0				230	232	235	237	240	242	245	247	TION
T 65.0			225	227	230	232	235	237	240	242	245	.839
A 64.0		220	222	225	227	230	232	235	237	240	242	
T 63.0		217	220	222	225	227	230	232	235	237		STANDARD
U 62.0	212	215	217	220	222	225	227	230	232	235		ERR EST.
R 61.0	210	212	215	217	220	222	225	227	230			5.6
E 60.0	208	210	212	215	217	220	222	225				
59.0	205	208	210	213	215	218	220					VALUES
58.0	203	205	208	210	213	215						IN IN/10

ESTIMATES OF ACROMION-RADIALE LENGTH — NO. 31

WEIGHT	90	100	110	120	130	140	150	160	170	180	190	POUNDS
68.0						130	130	131	131	131	132	MULTIPLE
67.0					128	128	129	129	129	130	130	CORRELA-
S 66.0				126	126	126	127	127	127	128	128	TION
T 65.0			124	124	124	125	125	125	126	126	126	.728
A 64.0		122	122	122	122	123	123	123	124	124	124	
T 63.0		120	120	120	121	121	121	122	122	122		STANDARD
U 62.0	118	118	118	118	119	119	119	120	120	120		ERR EST.
R 61.0	116	116	116	117	117	117	118	118	118			4.4
E 60.0	114	114	114	115	115	115	116	116				
59.0	112	112	113	113	113	114	114					VALUES
58.0	110	110	111	111	111	112						IN IN/10

ESTIMATES OF RADIALE-STYLION LENGTH — NO. 32

WEIGHT	90	100	110	120	130	140	150	160	170	180	190	POUNDS
68.0						98	98	99	99	99	99	MULTIPLE
67.0					97	97	97	97	97	97	97	CORRELA-
S 66.0				95	95	95	96	96	96	96	96	TION
T 65.0			94	94	94	94	94	94	94	94	94	.666
A 64.0		92	92	92	92	92	93	93	93	93	93	
T 63.0		91	91	91	91	91	91	91	91	91		STANDARD
U 62.0	89	89	89	89	89	90	90	90	90	90		ERR EST.
R 61.0	88	88	88	88	88	88	88	88	88			4.0
E 60.0	86	86	86	86	86	87	87	87				
59.0	85	85	85	85	85	85	85					VALUES
58.0	83	83	83	83	83	84						IN IN/10

TABLE XXXIV

REGRESSION ESTIMATES BASED ON COMBINATIONS OF WEIGHT AND STATURE

---WEIGHT IN KILOGRAMS + STATURE IN CENTIMETERS---

ESTIMATES OF THUMB-TIP REACH — NO. 33

WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
178.0						804	806	809	811	814	816	MULTIPLE
175.0					790	792	795	798	800	803	805	CORRELA-
S 172.0				776	779	781	784	786	789	791	794	TION
T 169.0			762	765	767	770	772	775	778	780	783	.655
A 166.0		748	751	754	756	759	761	764	766	769	771	
T 163.0		737	740	742	745	747	750	753	755	758		STANDARD
U 160.0	723	726	729	731	734	736	739	741	744	746		ERR EST.
R 157.0	712	715	717	720	722	725	727	730	733			29.3
E 154.0	701	704	706	709	711	714	716	719				
151.0	690	692	695	697	700	702	705					VALUES
148.0	678	681	684	686	689	691						IN MM

ESTIMATES OF THUMB-TIP REACH, EXTENDED — NO. 34

WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
178.0						912	915	919	922	926	929	MULTIPLE
175.0					895	899	902	906	909	913	916	CORRELA-
S 172.0				879	882	886	889	893	896	900	903	TION
T 169.0			862	865	869	872	876	879	883	886	890	.622
A 166.0		845	849	852	856	859	863	866	870	873	877	
T 163.0		832	836	839	843	846	850	853	857	860		STANDARD
U 160.0	815	819	822	826	829	833	836	840	843	847		ERR EST.
R 157.0	802	806	809	813	816	820	823	827	830			38.2
E 154.0	789	793	796	800	803	807	810	814				
151.0	776	779	783	786	790	793	797					VALUES
148.0	763	766	770	773	777	780						IN MM

ESTIMATES OF OVERHEAD REACH — NO. 35

WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
178.0						2182	2184	2186	2188	2190	2192	MULTIPLE
175.0					2145	2147	2149	2151	2153	2155	2157	CORRELA-
S 172.0				2107	2109	2111	2113	2115	2117	2119	2121	TION
T 169.0			2070	2072	2074	2076	2078	2080	2082	2084	2086	.853
A 166.0		2033	2034	2036	2038	2040	2042	2044	2046	2048	2050	
T 163.0		1997	1999	2001	2003	2005	2007	2009	2011	2013		STANDARD
U 160.0	1960	1962	1964	1966	1968	1970	1972	1974	1976	1977		ERR EST.
R 157.0	1924	1926	1928	1930	1932	1934	1936	1938	1940			44.7
E 154.0	1889	1891	1893	1895	1897	1899	1901	1903				
151.0	1853	1855	1857	1859	1861	1863	1865					VALUES
148.0	1818	1820	1822	1824	1826	1828						IN MM

TABLE XXXIV

REGRESSION ESTIMATES BASED ON COMBINATIONS OF WEIGHT AND STATURE

---WEIGHT IN POUNDS + STATURE IN INCHES---

ESTIMATES OF THUMB-TIP REACH — NO. 33

STATURE	WEIGHT 90	100	110	120	130	140	150	160	170	180	190	
68.0						309	310	311	312	314	315	MULTIPLE
67.0					304	305	306	308	309	310	311	CORRELA-
S 66.0				299	300	301	303	304	305	306	307	TION
T 65.0			294	295	297	298	299	300	301	302	303	.655
A 64.0		289	291	292	293	294	295	296	297	299	300	
T 63.0		286	287	288	289	290	291	293	294	295		STANDARD
U 62.0	281	282	283	284	285	286	288	289	290	291		ERR EST.
R 61.0	277	278	279	280	282	283	284	285	286			11.5
E 60.0	273	274	276	277	278	279	280	281				
59.0	270	271	272	273	274	275	276					VALUES
58.0	266	267	268	269	270	272						IN IN/10

ESTIMATES OF THUMB-TIP REACH, EXTENDED — NO. 34

STATURE	WEIGHT 90	100	110	120	130	140	150	160	170	180	190	
68.0						350	352	354	355	357	358	MULTIPLE
67.0					344	346	348	349	351	352	354	CORRELA-
S 66.0				338	340	342	343	345	346	348	349	TION
T 65.0			333	334	336	337	339	340	342	343	345	.622
A 64.0		327	328	330	331	333	334	336	338	339	341	
T 63.0		322	324	325	327	328	330	332	333	335		STANDARD
U 62.0	316	318	319	321	323	324	326	327	329	330		ERR EST.
R 61.0	312	313	315	317	318	320	321	323	324			15.0
E 60.0	308	309	311	312	314	315	317	318				
59.0	303	305	306	308	309	311	312					VALUES
58.0	299	300	302	303	305	307						IN IN/10

ESTIMATES OF OVERHEAD REACH — NO. 35

STATURE	WEIGHT 90	100	110	120	130	140	150	160	170	180	190	
68.0						835	836	837	838	838	839	MULTIPLE
67.0					822	823	824	825	826	827	827	CORRELA-
S 66.0				809	810	811	812	813	814	815	816	TION
T 65.0			797	798	799	799	800	801	802	803	804	.853
A 64.0		784	785	786	787	788	789	789	790	791	792	
T 63.0		772	773	774	775	776	777	778	778	779		STANDARD
U 62.0	760	760	761	762	763	764	765	766	767	768		ERR EST.
R 61.0	748	749	750	750	751	752	753	754	755			17.6
E 60.0	736	737	738	739	739	740	741	742				
59.0	724	725	726	727	728	729	729					VALUES
58.0	712	713	714	715	716	717						IN IN/10

TABLE XXXIV

REGRESSION ESTIMATES BASED ON COMBINATIONS OF WEIGHT AND STATURE

---WEIGHT IN KILOGRAMS + STATURE IN CENTIMETERS---

ESTIMATES OF NECK CIRCUMFERENCE — NO. 36

WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
178.0						344	349	354	359	364	369	MULTIPLE
175.0					338	344	349	354	359	364	369	CORRELA-
S 172.0				333	338	343	349	354	359	364	369	TION
T 169.0			328	333	338	343	348	354	359	364	369	.582
A 166.0		323	328	333	338	343	348	353	359	364	369	
T 163.0		323	328	333	338	343	348	353	358	364		STANDARD
U 160.0	317	322	328	333	338	343	348	353	358	364		ERR EST.
R 157.0	317	322	327	333	338	343	348	353	358			13.6
E 154.0	317	322	327	333	338	343	348	353				
151.0	317	322	327	332	338	343	348					VALUES
148.0	317	322	327	332	337	343						IN MM

ESTIMATES OF SHOULDER CIRCUMFERENCE — NO. 37

WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
178.0						1010	1035	1060	1086	1111	1136	MULTIPLE
175.0					989	1014	1039	1064	1090	1115	1140	CORRELA-
S 172.0				968	993	1018	1043	1068	1093	1119	1144	TION
T 169.0			947	972	997	1022	1047	1072	1097	1123	1148	.845
A 166.0		926	951	976	1001	1026	1051	1076	1101	1127	1152	
T 163.0		930	955	980	1005	1030	1055	1080	1105	1131		STANDARD
U 160.0	909	934	959	984	1009	1034	1059	1084	1109	1135		ERR EST.
R 157.0	913	938	963	988	1013	1038	1063	1088	1113			27.5
E 154.0	917	942	967	992	1017	1042	1067	1092				
151.0	921	946	971	996	1021	1046	1071					VALUES
148.0	925	950	975	1000	1025	1050						IN MM

ESTIMATES OF CHEST CIRCUMFERENCE AT SCYE — NO. 38

WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
178.0						843	867	891	915	939	963	MULTIPLE
175.0					824	848	872	896	920	944	968	CORRELA-
S 172.0				805	829	853	877	901	925	948	972	TION
T 169.0			786	810	834	858	881	905	929	953	977	.819
A 166.0		767	791	814	838	862	886	910	934	958	982	
T 163.0		771	795	819	843	867	891	915	939	963		STANDARD
U 160.0	752	776	800	824	848	872	896	919	943	967		ERR EST.
R 157.0	757	781	805	829	853	876	900	924	948			28.5
E 154.0	762	786	809	833	857	881	905	929				
151.0	766	790	814	838	862	886	910					VALUES
148.0	771	795	819	843	867	891						IN MM

TABLE XXXIV

REGRESSION ESTIMATES BASED ON COMBINATIONS OF WEIGHT AND STATURE

---WEIGHT IN POUNDS + STATURE IN INCHES---

ESTIMATES OF NECK CIRCUMFERENCE — NO. 36

WEIGHT	90	100	110	120	130	140	150	160	170	180	190	POUNDS
68.0						136	138	141	143	145	147	MULTIPLE
67.0					134	136	138	141	143	145	147	CORRELA-
S 66.0				131	134	136	138	140	143	145	147	TION
T 65.0			129	131	134	136	138	140	143	145	147	.582
A 64.0		127	129	131	134	136	138	140	143	145	147	
T 63.0		127	129	131	134	136	138	140	143	145		STANDARD
U 62.0	124	127	129	131	133	136	138	140	143	145		ERR EST.
R 61.0	124	127	129	131	133	136	138	140	143			5.4
E 60.0	124	127	129	131	133	136	138	140				
59.0	124	126	129	131	133	136	138					VALUES
58.0	124	126	129	131	133	136						IN IN/10

ESTIMATES OF SHOULDER CIRCUMFERENCE — NO. 37

WEIGHT	90	100	110	120	130	140	150	160	170	180	190	POUNDS
68.0						404	415	427	438	449	460	MULTIPLE
67.0					394	406	417	428	439	450	462	CORRELA-
S 66.0				384	396	407	418	429	440	452	463	TION
T 65.0			375	386	397	408	419	431	442	453	464	.845
A 64.0		365	376	387	398	410	421	432	443	454	466	
T 63.0		366	377	388	400	411	422	433	444	456		STANDARD
U 62.0	356	367	379	390	401	412	423	435	446	457		ERR EST.
R 61.0	357	369	380	391	402	413	425	436	447			10.8
E 60.0	359	370	381	392	404	415	426	437				
59.0	360	371	383	394	405	416	427					VALUES
58.0	361	373	384	395	406	417						IN IN/10

ESTIMATES OF CHEST CIRCUMFERENCE AT SCYE — NO. 38

WEIGHT	90	100	110	120	130	140	150	160	170	180	190	POUNDS
68.0						339	350	360	371	382	392	MULTIPLE
67.0					330	340	351	362	372	383	394	CORRELA-
S 66.0				321	331	342	353	363	374	385	395	TION
T 65.0			312	322	333	344	354	365	376	386	397	.819
A 64.0		302	313	324	334	345	356	366	377	388	398	
T 63.0		304	315	325	336	347	357	368	379	389		STANDARD
U 62.0	295	306	316	327	338	348	359	370	380	391		ERR EST.
R 61.0	297	307	318	329	339	350	361	371	382			11.2
E 60.0	298	309	319	330	341	351	362	373				
59.0	300	310	321	332	342	353	364					VALUES
58.0	301	312	323	333	344	355						IN IN/10

TABLE XXXIV

REGRESSION ESTIMATES BASED ON COMBINATIONS OF WEIGHT AND STATURE

---WEIGHT IN KILOGRAMS + STATURE IN CENTIMETERS---

ESTIMATES OF BUST CIRCUMFERENCE — NO. 39

WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
178.0						892	920	948	976	1004	1032	MULTIPLE
175.0					871	899	927	955	983	1011	1039	CORRELA-
S 172.0				849	877	906	934	962	990	1018	1046	TION
T 169.0			828	856	884	912	940	968	996	1025	1053	.824
A 166.0		807	835	863	891	919	947	975	1003	1031	1059	
T 163.0		813	841	870	898	926	954	982	1010	1038		STANDARD
U 160.0	792	820	848	876	904	932	960	989	1017	1045		ERR EST.
R 157.0	799	827	855	883	911	939	967	995	1023			32.3
E 154.0	805	834	862	890	918	946	974	1002				
151.0	812	840	868	896	924	953	981					VALUES
148.0	819	847	875	903	931	959						IN MM

ESTIMATES OF CHEST CIRCUMFERENCE BELOW BUST — NO. 40

WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
178.0						744	767	790	813	836	860	MULTIPLE
175.0					726	749	772	795	818	841	864	CORRELA-
S 172.0				707	730	753	776	799	822	845	869	TION
T 169.0			689	712	735	758	781	804	827	850	873	.806
A 166.0		670	693	716	739	762	785	808	831	854	878	
T 163.0		675	698	721	744	767	790	813	836	859		STANDARD
U 160.0	656	679	702	725	748	771	794	817	840	864		ERR EST.
R 157.0	661	684	707	730	753	776	799	822	845			28.8
E 154.0	665	688	711	734	757	780	803	826				
151.0	670	693	716	739	762	785	808					VALUES
148.0	674	697	720	743	766	789						IN MM

ESTIMATES OF WAIST CIRCUMFERENCE — NO. 41

WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
178.0						669	697	724	752	779	807	MULTIPLE
175.0					648	676	703	731	758	786	813	CORRELA-
S 172.0				627	654	682	709	737	764	792	819	TION
T 169.0			605	633	660	688	715	743	770	798	825	.846
A 166.0		584	611	639	666	694	721	749	776	804	831	
T 163.0		590	617	645	673	700	728	755	783	810		STANDARD
U 160.0	569	596	624	651	679	706	734	761	789	816		ERR EST.
R 157.0	575	602	630	657	685	712	740	767	795			29.2
E 154.0	581	608	636	663	691	718	746	773				
151.0	587	614	642	670	697	725	752					VALUES
148.0	593	621	648	676	703	731						IN MM

TABLE XXXIV

REGRESSION ESTIMATES BASED ON COMBINATIONS OF WEIGHT AND STATURE

---WEIGHT IN POUNDS + STATURE IN INCHES---

ESTIMATES OF BUST CIRCUMFERENCE — NO. 39

WEIGHT	90	100	110	120	130	140	150	160	170	180	190	POUNDS
68.0						360	373	385	398	410	423	MULTIPLE
67.0					350	362	375	387	400	412	425	CORRELA-
S 66.0				339	352	364	377	390	402	415	427	TION
T 65.0			329	342	354	367	379	392	404	417	429	.824
A 64.0		319	331	344	356	369	382	394	407	419	432	
T 63.0		321	334	346	359	371	384	396	409	421		STANDARD
U 62.0	311	323	336	348	361	373	386	399	411	424		ERR EST.
R 61.0	313	326	338	351	363	376	388	401	413			12.7
E 60.0	315	328	340	353	365	378	390	403				
59.0	318	330	343	355	368	380	393					VALUES
58.0	320	332	345	357	370	382						IN IN/10

ESTIMATES OF CHEST CIRCUMFERENCE BELOW BUST — NO. 40

WEIGHT	90	100	110	120	130	140	150	160	170	180	190	POUNDS
68.0						300	310	320	330	341	351	MULTIPLE
67.0					291	301	311	322	332	342	352	CORRELA-
S 66.0				282	292	303	313	323	333	344	354	TION
T 65.0			273	284	294	304	314	325	335	345	355	.806
A 64.0		264	275	285	295	306	316	326	336	347	357	
T 63.0		266	276	287	297	307	317	328	338	348		STANDARD
U 62.0	257	267	278	288	298	309	319	329	339	350		ERR EST.
R 61.0	259	269	279	290	300	310	320	331	341			11.4
E 60.0	260	270	281	291	301	312	322	332				
59.0	262	272	282	293	303	313	323					VALUES
58.0	263	273	284	294	304	315						IN IN/10

ESTIMATES OF WAIST CIRCUMFERENCE — NO. 41

WEIGHT	90	100	110	120	130	140	150	160	170	180	190	POUNDS
68.0						272	284	296	309	321	333	MULTIPLE
67.0					262	274	286	298	311	323	335	CORRELA-
S 66.0				251	264	276	288	301	313	325	337	TION
T 65.0			241	253	266	278	290	303	315	327	339	.846
A 64.0		231	243	255	268	280	292	305	317	329	341	
T 63.0		233	245	257	270	282	294	307	319	331		STANDARD
U 62.0	223	235	247	260	272	284	296	309	321	333		ERR EST.
R 61.0	225	237	249	262	274	286	298	311	323			11.5
E 60.0	227	239	251	264	276	288	300	313				
59.0	229	241	253	266	278	290	303					VALUES
58.0	231	243	255	268	280	292						IN IN/10

TABLE XXXIV

REGRESSION ESTIMATES BASED ON COMBINATIONS OF WEIGHT AND STATURE

---WEIGHT IN KILOGRAMS + STATURE IN CENTIMETERS---

ESTIMATES OF ABDOMINAL EXTENSION CIRCUMFERENCE — NO. 42

	WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
	178.0						848	883	919	955	991	1027	MULTIPLE
	175.0					821	857	892	928	964	1000	1036	CORRELA-
S	172.0				794	830	866	901	937	973	1009	1045	TION
T	169.0			767	803	839	875	910	946	982	1018	1054	.821
A	166.0		740	776	812	848	884	920	955	991	1027	1063	
T	163.0		749	785	821	857	893	929	964	1000	1036		STANDARD
U	160.0	722	758	794	830	866	902	938	973	1009	1045		ERR EST.
R	157.0	731	767	803	839	875	911	947	982	1018			41.5
E	154.0	740	776	812	848	884	920	956	991				
	151.0	749	785	821	857	893	929	965					VALUES
	148.0	758	794	830	866	902	938						IN MM

ESTIMATES OF HIP CIRCUMFERENCE-SEVEN INCHES BELOW WAIST LEVEL — NO. 43

	WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
	178.0						943	972	1002	1031	1060	1089	MULTIPLE
	175.0					919	948	977	1006	1035	1065	1094	CORRELA-
S	172.0				894	923	953	982	1011	1040	1069	1098	TION
T	169.0			870	899	928	957	986	1016	1045	1074	1103	.903
A	166.0		845	874	904	933	962	991	1020	1049	1079	1108	
T	163.0		850	879	908	937	967	996	1025	1054	1083		STANDARD
U	160.0	825	855	884	913	942	971	1000	1030	1059	1088		ERR EST.
R	157.0	830	859	888	918	947	976	1005	1034	1063			24.0
E	154.0	835	864	893	922	951	981	1010	1039				
	151.0	839	869	898	927	956	985	1014					VALUES
	148.0	844	873	902	932	961	990						IN MM

ESTIMATES OF HIP CIRCUMFERENCE-NINE INCHES BELOW WAIST LEVEL — NO. 44

	WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
	178.0						962	993	1024	1055	1086	1117	MULTIPLE
	175.0					935	966	997	1028	1059	1090	1121	CORRELA-
S	172.0				909	940	971	1002	1033	1064	1095	1126	TION
T	169.0			883	914	945	976	1007	1038	1069	1100	1131	.895
A	166.0		856	887	918	949	980	1011	1042	1073	1104	1135	
T	163.0		861	892	923	954	985	1016	1047	1078	1109		STANDARD
U	160.0	835	866	897	928	959	990	1021	1052	1083	1114		ERR EST.
R	157.0	839	870	901	932	963	994	1025	1056	1087			26.8
E	154.0	844	875	906	937	968	999	1030	1061				
	151.0	849	880	911	942	973	1004	1035					VALUES
	148.0	853	884	915	946	977	1008						IN MM

TABLE XXXIV

REGRESSION ESTIMATES BASED ON COMBINATIONS OF WEIGHT AND STATURE

---WEIGHT IN POUNDS + STATURE IN INCHES---

ESTIMATES OF ABDOMINAL EXTENSION CIRCUMFERENCE — NO. 42

STATURE	WEIGHT 90	100	110	120	130	140	150	160	170	180	190
68.0						345	361	377	393	409	425
67.0					332	348	364	380	396	412	428
66.0				319	335	351	367	383	399	415	431
65.0			306	322	338	354	370	386	402	418	434
64.0		293	309	325	341	357	373	389	405	421	437
63.0		296	312	328	344	360	376	392	408	424	
62.0	283	299	315	331	347	363	379	395	411	427	
61.0	286	302	318	334	350	366	382	398	414		
60.0	289	305	321	337	353	369	385	401			
59.0	292	308	324	340	356	372	388				
58.0	295	311	327	343	359	375					

MULTIPLE CORRELATION .821

STANDARD ERR EST. 16.4

VALUES IN IN/10

ESTIMATES OF HIP CIRCUMFERENCE-SEVEN INCHES BELOW WAIST LEVEL — NO. 43

STATURE	WEIGHT 90	100	110	120	130	140	150	160	170	180	190
68.0						379	392	405	418	431	444
67.0					367	380	393	407	420	433	446
66.0				356	369	382	395	408	421	434	447
65.0			345	358	371	384	397	410	423	436	449
64.0		333	346	359	372	385	398	411	424	437	450
63.0		335	348	361	374	387	400	413	426	439	
62.0	323	336	349	362	375	388	401	414	427	440	
61.0	325	338	351	364	377	390	403	416	429		
60.0	326	339	352	365	378	391	404	417			
59.0	328	341	354	367	380	393	406				
58.0	329	342	355	368	381	394					

MULTIPLE CORRELATION .903

STANDARD ERR EST. 9.5

VALUES IN IN/10

ESTIMATES OF HIP CIRCUMFERENCE-NINE INCHES BELOW WAIST LEVEL — NO. 44

STATURE	WEIGHT 90	100	110	120	130	140	150	160	170	180	190
68.0						386	400	414	428	442	456
67.0					374	388	402	416	429	443	457
66.0				362	376	390	403	417	431	445	459
65.0			350	363	377	391	405	419	433	446	460
64.0		337	351	365	379	393	406	420	434	448	462
63.0		339	353	366	380	394	408	422	436	450	
62.0	327	340	354	368	382	396	410	423	437	451	
61.0	328	342	356	370	383	397	411	425	439		
60.0	330	343	357	371	385	399	413	427			
59.0	331	345	359	373	387	400	414				
58.0	333	347	360	374	388	402					

MULTIPLE CORRELATION .895

STANDARD ERR EST. 10.6

VALUES IN IN/10

TABLE XXXIV

REGRESSION ESTIMATES BASED ON COMBINATIONS OF WEIGHT AND STATURE

---WEIGHT IN KILOGRAMS + STATURE IN CENTIMETERS---

ESTIMATES OF UPPER THIGH CIRCUMFERENCE — NO. 45

WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
178.0						550	572	594	616	638	660	MULTIPLE
175.0					534	556	577	599	621	643	665	CORRELA-
S 172.0				517	539	561	583	605	627	649	670	TION
T 169.0			500	522	544	566	588	610	632	654	676	.867
A 166.0		484	506	528	550	572	593	615	637	659	681	
T 163.0		489	511	533	555	577	599	621	643	665		STANDARD
U 160.0	473	495	517	538	560	582	604	626	648	670		ERR EST.
R 157.0	478	500	522	544	566	588	609	631	653			21.0
E 154.0	483	505	527	549	571	593	615	637				
151.0	489	511	533	554	576	598	620					VALUES
148.0	494	516	538	560	582	604						IN MM

ESTIMATES OF KNEE CIRCUMFERENCE — NO. 46

WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
178.0						370	380	391	401	411	422	MULTIPLE
175.0					360	371	381	391	402	412	422	CORRELA-
S 172.0				351	361	372	382	392	403	413	423	TION
T 169.0			341	352	362	372	383	393	403	414	424	.822
A 166.0		332	342	353	363	373	384	394	404	415	425	
T 163.0		333	343	353	364	374	384	395	405	415		STANDARD
U 160.0	323	333	344	354	364	375	385	395	406	416		ERR EST.
R 157.0	324	334	345	355	365	376	386	396	407			12.9
E 154.0	325	335	345	356	366	376	387	397				
151.0	325	336	346	356	367	377	387					VALUES
148.0	326	337	347	357	368	378						IN MM

ESTIMATES OF CALF CIRCUMFERENCE, RIGHT — NO. 47

WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
178.0						343	353	363	373	383	393	MULTIPLE
175.0					335	345	355	365	375	385	395	CORRELA-
S 172.0				327	337	347	357	367	377	387	396	TION
T 169.0			319	329	338	348	358	368	378	388	398	.763
A 166.0		310	320	330	340	350	360	370	380	390	400	
T 163.0		312	322	332	342	352	362	372	382	391		STANDARD
U 160.0	304	314	324	333	343	353	363	373	383	393		ERR EST.
R 157.0	305	315	325	335	345	355	365	375	385			14.5
E 154.0	307	317	327	337	347	357	367	377				
151.0	309	319	328	338	348	358	368					VALUES
148.0	310	320	330	340	350	360						IN MM

TABLE XXXIV

REGRESSION ESTIMATES BASED ON COMBINATIONS OF WEIGHT AND STATURE

---WEIGHT IN POUNDS + STATURE IN INCHES---

ESTIMATES OF UPPER THIGH CIRCUMFERENCE — NO. 45

STATURE	WEIGHT 90	100	110	120	130	140	150	160	170	180	190
68.0						224	233	243	253	263	272
67.0					216	225	235	245	255	264	274
66.0				208	217	227	237	247	256	266	276
65.0			200	209	219	229	239	248	258	268	278
64.0		192	201	211	221	231	240	250	260	270	280
63.0		193	203	213	223	232	242	252	262	272	
62.0	185	195	205	215	224	234	244	254	264	273	
61.0	187	197	207	216	226	236	246	256	265		
60.0	189	199	208	218	228	238	248	257			
59.0	191	200	210	220	230	240	249				
58.0	192	202	212	222	232	241					

MULTIPLE CORRELATION .867

STANDARD ERR EST. 8.3

VALUES IN IN/10

ESTIMATES OF KNEE CIRCUMFERENCE — NO. 46

STATURE	WEIGHT 90	100	110	120	130	140	150	160	170	180	190
68.0						148	152	157	162	166	171
67.0					143	148	153	157	162	166	171
66.0				139	144	148	153	158	162	167	171
65.0			135	139	144	149	153	158	162	167	172
64.0		130	135	140	144	149	153	158	163	167	172
63.0		131	135	140	144	149	154	158	163	168	
62.0	126	131	135	140	145	149	154	159	163	168	
61.0	127	131	136	140	145	150	154	159	163		
60.0	127	131	136	141	145	150	154	159			
59.0	127	132	136	141	146	150	155				
58.0	127	132	137	141	146	150					

MULTIPLE CORRELATION .822

STANDARD ERR EST. 5.1

VALUES IN IN/10

ESTIMATES OF CALF CIRCUMFERENCE, RIGHT — NO. 47

STATURE	WEIGHT 90	100	110	120	130	140	150	160	170	180	190
68.0						138	142	147	151	156	160
67.0					134	138	143	147	152	156	161
66.0				130	134	139	143	148	152	157	161
65.0			126	131	135	139	144	148	153	157	162
64.0		122	127	131	136	140	144	149	153	158	162
63.0		123	127	132	136	141	145	149	154	158	
62.0	119	123	128	132	137	141	146	150	154	159	
61.0	120	124	128	133	137	142	146	151	155		
60.0	120	124	129	133	138	142	147	151			
59.0	121	125	129	134	138	143	147				
58.0	121	126	130	134	139	143					

MULTIPLE CORRELATION .763

STANDARD ERR EST. 5.7

VALUES IN IN/10

TABLE XXXIV

REGRESSION ESTIMATES BASED ON COMBINATIONS OF WEIGHT AND STATURE

---WEIGHT IN KILOGRAMS + STATURE IN CENTIMETERS---

ESTIMATES OF CALF CIRCUMFERENCE, LEFT — NO. 48

WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
178.0						345	355	365	375	385	395	MULTIPLE
175.0					336	346	356	366	376	386	396	CORRELA-
S 172.0				328	338	348	358	368	378	388	398	TION
T 169.0			320	330	340	350	359	369	379	389	399	.756
A 166.0		311	321	331	341	351	361	371	381	391	401	
T 163.0		313	323	333	343	353	363	373	383	393		STANDARD
U 160.0	304	314	324	334	344	354	364	374	384	394		ERR EST.
R 157.0	306	316	326	336	346	356	366	376	386			14.9
E 154.0	308	317	327	337	347	357	367	377				
151.0	309	319	329	339	349	359	369					VALUES
148.0	311	321	331	341	351	360						IN MM

ESTIMATES OF ANKLE CIRCUMFERENCE — NO. 49

WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
178.0						217	221	225	228	232	236	MULTIPLE
175.0					213	217	220	224	228	232	236	CORRELA-
S 172.0				208	212	216	220	224	228	232	235	TION
T 169.0			204	208	212	216	220	224	227	231	235	.593
A 166.0		200	204	208	212	215	219	223	227	231	235	
T 163.0		200	204	207	211	215	219	223	227	231		STANDARD
U 160.0	195	199	203	207	211	215	219	222	226	230		ERR EST.
R 157.0	195	199	203	207	211	214	218	222	226			10.4
E 154.0	195	199	203	206	210	214	218	222				
151.0	194	198	202	206	210	214	218					VALUES
148.0	194	198	202	206	210	213						IN MM

ESTIMATES OF VERTICAL TRUNK CIRCUMFERENCE — NO. 50

WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
178.0						1620	1644	1667	1690	1714	1737	MULTIPLE
175.0					1587	1611	1634	1657	1681	1704	1727	CORRELA-
S 172.0				1554	1578	1601	1624	1648	1671	1695	1718	TION
T 169.0			1521	1545	1568	1592	1615	1638	1662	1685	1708	.822
A 166.0		1489	1512	1535	1559	1582	1605	1629	1652	1675	1699	
T 163.0		1479	1502	1526	1549	1572	1596	1619	1643	1666		STANDARD
U 160.0	1446	1469	1493	1516	1540	1563	1586	1610	1633	1656		ERR EST.
R 157.0	1437	1460	1483	1507	1530	1553	1577	1600	1623			39.2
E 154.0	1427	1450	1474	1497	1520	1544	1567	1591				
151.0	1417	1441	1464	1487	1511	1534	1558					VALUES
148.0	1408	1431	1455	1478	1501	1525						IN MM

TABLE XXXIV

REGRESSION ESTIMATES BASED ON COMBINATIONS OF WEIGHT AND STATURE

---WEIGHT IN POUNDS + STATURE IN INCHES---

ESTIMATES OF CALF CIRCUMFERENCE, LEFT — NO. 48

STATURE	WEIGHT 90	100	110	120	130	140	150	160	170	180	190	
68.0						138	143	147	152	156	161	MULTIPLE
67.0					134	139	143	148	152	157	161	CORRELA-
66.0				130	135	139	144	148	153	157	162	TION
65.0			127	131	135	140	144	149	153	158	162	.756
64.0		123	127	132	136	140	145	149	154	158	163	
63.0		123	128	132	136	141	145	150	154	159		STANDARD
62.0	119	124	128	133	137	141	146	150	155	159		ERR EST.
61.0	120	124	129	133	138	142	146	151	155			5.9
60.0	120	125	129	134	138	142	147	151				
59.0	121	125	130	134	139	143	147					VALUES
58.0	121	126	130	135	139	144						IN IN/10

ESTIMATES OF ANKLE CIRCUMFERENCE — NO. 49

STATURE	WEIGHT 90	100	110	120	130	140	150	160	170	180	190	
68.0						86	87	89	91	93	94	MULTIPLE
67.0					84	86	87	89	91	92	94	CORRELA-
66.0				82	84	85	87	89	91	92	94	TION
65.0			80	82	84	85	87	89	91	92	94	.593
64.0		78	80	82	84	85	87	89	90	92	94	
63.0		78	80	82	83	85	87	89	90	92		STANDARD
62.0	76	78	80	82	83	85	87	88	90	92		ERR EST.
61.0	76	78	80	81	83	85	87	88	90			4.1
60.0	76	78	80	81	83	85	87	88				
59.0	76	78	79	81	83	85	86					VALUES
58.0	76	78	79	81	83	85						IN IN/10

ESTIMATES OF VERTICAL TRUNK CIRCUMFERENCE — NO. 50

STATURE	WEIGHT 90	100	110	120	130	140	150	160	170	180	190	
68.0						635	645	656	666	676	687	MULTIPLE
67.0					621	632	642	652	663	673	684	CORRELA-
66.0				607	618	628	639	649	660	670	681	TION
65.0			594	604	615	625	636	646	656	667	677	.822
64.0		580	591	601	612	622	632	643	653	664	674	
63.0		577	587	598	608	619	629	640	650	661		STANDARD
62.0	563	574	584	595	605	616	626	636	647	657		ERR EST.
61.0	560	571	581	592	602	612	623	633	644			15.4
60.0	557	568	578	588	599	609	620	630				
59.0	554	564	575	585	596	606	616					VALUES
58.0	551	561	572	582	592	603						IN IN/10

TABLE XXXIV

REGRESSION ESTIMATES BASED ON COMBINATIONS OF WEIGHT AND STATURE

---WEIGHT IN KILOGRAMS + STATURE IN CENTIMETERS---

ESTIMATES OF VERTICAL TRUNK CIRCUMFERENCE, SITTING — NO. 51

WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
178.0						1590	1608	1626	1645	1663	1681	MULTIPLE
175.0					1558	1577	1595	1613	1632	1650	1668	CORRELA-
S 172.0				1527	1545	1564	1582	1600	1619	1637	1655	TION
T 169.0			1496	1514	1532	1551	1569	1587	1605	1624	1642	.811
A 166.0		1464	1483	1501	1519	1537	1556	1574	1592	1611	1629	
T 163.0		1451	1470	1488	1506	1524	1543	1561	1579	1598		STANDARD
U 160.0	1420	1438	1456	1475	1493	1511	1530	1548	1566	1585		ERR EST.
R 157.0	1407	1425	1443	1462	1480	1498	1517	1535	1553			38.4
E 154.0	1394	1412	1430	1449	1467	1485	1503	1522				
151.0	1381	1399	1417	1435	1454	1472	1490					VALUES
148.0	1367	1386	1404	1422	1441	1459						IN MM

ESTIMATES OF BUTTOCK CIRCUMFERENCE, SITTING — NO. 52

WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
178.0						1012	1043	1075	1107	1139	1170	MULTIPLE
175.0					984	1016	1048	1079	1111	1143	1175	CORRELA-
S 172.0				957	988	1020	1052	1084	1115	1147	1179	TION
T 169.0			929	961	993	1025	1056	1088	1120	1151	1183	.912
A 166.0		902	934	965	997	1029	1061	1092	1124	1156	1187	
T 163.0		906	938	970	1001	1033	1065	1097	1128	1160		STANDARD
U 160.0	879	910	942	974	1006	1037	1069	1101	1133	1164		ERR EST.
R 157.0	883	915	946	978	1010	1042	1073	1105	1137			25.0
E 154.0	887	919	951	982	1014	1046	1078	1109				
151.0	892	923	955	987	1019	1050	1082					VALUES
148.0	896	928	959	991	1023	1055						IN MM

ESTIMATES OF SCYE CIRCUMFERENCE — NO. 53

WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
178.0						378	387	397	407	417	427	MULTIPLE
175.0					368	378	388	398	408	418	428	CORRELA-
S 172.0				359	369	379	389	399	409	419	429	TION
T 169.0			350	360	370	380	390	400	410	420	429	.778
A 166.0		341	351	361	371	381	391	400	410	420	430	
T 163.0		342	352	362	372	381	391	401	411	421		STANDARD
U 160.0	333	343	353	362	372	382	392	402	412	422		ERR EST.
R 157.0	334	343	353	363	373	383	393	403	413			14.4
E 154.0	334	344	354	364	374	384	394	404				
151.0	335	345	355	365	375	385	394					VALUES
148.0	336	346	356	366	375	385						IN MM

TABLE XXXIV

REGRESSION ESTIMATES BASED ON COMBINATIONS OF WEIGHT AND STATURE

---WEIGHT IN POUNDS + STATURE IN INCHES---

ESTIMATES OF VERTICAL TRUNK CIRCUMFERENCE, SITTING — NO. 51

STATURE	90	100	110	120	130	140	150	160	170	180	190
68.0						620	628	636	644	652	660
67.0					607	615	623	632	640	648	656
66.0				594	603	611	619	627	635	644	652
65.0			582	590	598	606	615	623	631	639	647
64.0		569	578	586	594	602	610	618	627	635	643
63.0		565	573	581	590	598	606	614	622	630	
62.0	553	561	569	577	585	593	602	610	618	626	
61.0	548	556	565	573	581	589	597	605	614		
60.0	544	552	560	568	576	585	593	601			
59.0	539	548	556	564	572	580	588				
58.0	535	543	551	560	568	576					

WEIGHT — POUNDS

MULTIPLE CORRELATION .811

STANDARD ERR EST. 15.1

VALUES IN IN/10

ESTIMATES OF BUTTOCK CIRCUMFERENCE, SITTING — NO. 52

STATURE	90	100	110	120	130	140	150	160	170	180	190
68.0						406	420	434	448	463	477
67.0					393	407	422	436	450	464	478
66.0				380	395	409	423	437	451	465	480
65.0			368	382	396	410	424	439	453	467	481
64.0		355	369	383	398	412	426	440	454	468	483
63.0		356	371	385	399	413	427	441	456	470	
62.0	344	358	372	386	400	415	429	443	457	471	
61.0	345	359	373	388	402	416	430	444	458		
60.0	347	361	375	389	403	417	432	446			
59.0	348	362	376	390	405	419	433				
58.0	349	364	378	392	406	420					

WEIGHT — POUNDS

MULTIPLE CORRELATION .912

STANDARD ERR EST. 9.8

VALUES IN IN/10

ESTIMATES OF SCYE CIRCUMFERENCE — NO. 53

STATURE	90	100	110	120	130	140	150	160	170	180	190
68.0						151	155	159	164	168	173
67.0					146	151	155	160	164	169	173
66.0				142	147	151	156	160	164	169	173
65.0			138	143	147	151	156	160	165	169	174
64.0		134	138	143	147	152	156	161	165	169	174
63.0		134	139	143	148	152	156	161	165	170	
62.0	130	135	139	143	148	152	157	161	165	170	
61.0	130	135	139	144	148	152	157	161	166		
60.0	131	135	139	144	148	153	157	162			
59.0	131	135	140	144	149	153	157				
58.0	131	136	140	144	149	153					

WEIGHT — POUNDS

MULTIPLE CORRELATION .778

STANDARD ERR EST. 5.7

VALUES IN IN/10

TABLE XXXIV

REGRESSION ESTIMATES BASED ON COMBINATIONS OF WEIGHT AND STATURE

---WEIGHT IN KILOGRAMS + STATURE IN CENTIMETERS---

ESTIMATES OF AXILLARY ARM CIRCUMFERENCE — NO. 54

WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
178.0						265	278	290	302	314	327	MULTIPLE
175.0					257	270	282	294	306	319	331	CORRELA-
S 172.0				249	262	274	286	298	311	323	335	TION
T 169.0			241	253	266	278	290	303	315	327	339	.850
A 166.0		233	245	258	270	282	294	307	319	331	344	
T 163.0		237	250	262	274	286	299	311	323	336		STANDARD
U 160.0	229	242	254	266	278	291	303	315	327	340		ERR EST.
R 157.0	233	246	258	270	283	295	307	319	332			12.3
E 154.0	238	250	262	275	287	299	311	324				
151.0	242	254	266	279	291	303	316					VALUES
148.0	246	258	271	283	295	307						IN MM

ESTIMATES OF BICEPS CIRCUMFERENCE, RELAXED, RIGHT — NO. 55

WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
178.0						245	258	270	282	295	307	MULTIPLE
175.0					237	250	262	275	287	299	312	CORRELA-
S 172.0				230	242	254	267	279	292	304	316	TION
T 169.0			222	234	247	259	271	284	296	309	321	.871
A 166.0		214	226	239	251	264	276	288	301	313	326	
T 163.0		219	231	243	256	268	281	293	305	318		STANDARD
U 160.0	211	223	236	248	260	273	285	298	310	322		ERR EST.
R 157.0	215	228	240	253	265	277	290	302	315			11.3
E 154.0	220	232	245	257	270	282	294	307				
151.0	225	237	249	262	274	287	299					VALUES
148.0	229	241	254	266	279	291						IN MM

ESTIMATES OF BICEPS CIRCUMFERENCE, FLEXED, RIGHT — NO. 56

WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
178.0						259	271	283	296	308	320	MULTIPLE
175.0					250	263	275	288	300	312	325	CORRELA-
S 172.0				242	255	267	280	292	304	317	329	TION
T 169.0			234	247	259	271	284	296	309	321	333	.865
A 166.0		226	239	251	263	276	288	300	313	325	338	
T 163.0		231	243	255	268	280	292	305	317	330		STANDARD
U 160.0	223	235	247	260	272	284	297	309	321	334		ERR EST.
R 157.0	227	239	252	264	276	289	301	313	326			11.6
E 154.0	231	243	256	268	281	293	305	318				
151.0	235	248	260	273	285	297	310					VALUES
148.0	240	252	264	277	289	302						IN MM

TABLE XXXIV

REGRESSION ESTIMATES BASED ON COMBINATIONS OF WEIGHT AND STATURE

---WEIGHT IN POUNDS + STATURE IN INCHES---

ESTIMATES OF AXILLARY ARM CIRCUMFERENCE — NO. 54

WEIGHT	90	100	110	120	130	140	150	160	170	180	190	POUNDS
68.0						109	115	120	126	131	137	MULTIPLE
67.0					105	111	116	122	127	133	138	CORRELA-
S 66.0				101	107	112	117	123	128	134	139	TION
T 65.0			97	102	108	113	119	124	130	135	141	.850
A 64.0		93	98	104	109	115	120	126	131	137	142	
T 63.0		94	100	105	111	116	122	127	133	138		STANDARD
U 62.0	90	96	101	107	112	118	123	129	134	140		ERR EST.
R 61.0	92	97	103	108	114	119	125	130	135			4.9
E 60.0	93	99	104	109	115	120	126	131				
59.0	94	100	105	111	116	122	127					VALUES
58.0	96	101	107	112	118	123						IN IN/10

ESTIMATES OF BICEPS CIRCUMFERENCE, RELAXED, RIGHT — NO. 55

WEIGHT	90	100	110	120	130	140	150	160	170	180	190	POUNDS
68.0						102	107	113	118	124	129	MULTIPLE
67.0					98	103	109	114	120	125	131	CORRELA-
S 66.0				94	99	105	110	116	121	127	132	TION
T 65.0			90	95	101	106	112	117	123	128	134	.871
A 64.0		86	91	97	102	108	113	119	124	130	135	
T 63.0		87	93	98	104	109	115	120	126	131		STANDARD
U 62.0	83	89	94	100	105	111	116	122	127	133		ERR EST.
R 61.0	85	90	96	101	107	112	118	123	129			4.4
E 60.0	86	92	97	103	108	114	119	125				
59.0	88	93	99	104	110	115	121					VALUES
58.0	89	95	100	106	111	117						IN IN/10

ESTIMATES OF BICEPS CIRCUMFERENCE, FLEXED, RIGHT — NO. 56

WEIGHT	90	100	110	120	130	140	150	160	170	180	190	POUNDS
68.0						107	112	118	123	129	134	MULTIPLE
67.0					103	108	114	119	125	130	136	CORRELA-
S 66.0				98	104	109	115	121	126	132	137	TION
T 65.0			94	100	105	111	116	122	127	133	139	.865
A 64.0		90	96	101	107	112	118	123	129	134	140	
T 63.0		92	97	103	108	114	119	125	130	136		STANDARD
U 62.0	88	93	99	104	110	115	121	126	132	137		ERR EST.
R 61.0	89	95	100	106	111	117	122	128	133			4.6
E 60.0	90	96	102	107	113	118	124	129				
59.0	92	97	103	108	114	120	125					VALUES
58.0	93	99	104	110	115	121						IN IN/10

TABLE XXXIV

REGRESSION ESTIMATES BASED ON COMBINATIONS OF WEIGHT AND STATURE

---WEIGHT IN KILOGRAMS + STATURE IN CENTIMETERS---

ESTIMATES OF BICEPS CIRCUMFERENCE, RELAXED, LEFT — NO. 57

WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
178.0						245	258	271	284	297	310	MULTIPLE
175.0					237	250	263	276	289	302	315	CORRELA-
S 172.0				228	241	255	268	281	294	307	320	TION
T 169.0			220	233	246	260	273	286	299	312	325	.878
A 166.0		212	225	238	251	264	278	291	304	317	330	
T 163.0		217	230	243	256	269	283	296	309	322		STANDARD
U 160.0	209	222	235	248	261	274	287	301	314	327		ERR EST.
R 157.0	214	227	240	253	266	279	292	305	319			11.5
E 154.0	219	232	245	258	271	284	297	310				
151.0	223	237	250	263	276	289	302					VALUES
148.0	228	241	255	268	281	294						IN MM

ESTIMATES OF BICEPS CIRCUMFERENCE, FLEXED, LEFT — NO. 58

WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
178.0						255	268	281	294	306	319	MULTIPLE
175.0					247	260	273	285	298	311	324	CORRELA-
S 172.0				239	251	264	277	290	303	315	328	TION
T 169.0			230	243	256	269	282	294	307	320	333	.867
A 166.0		222	235	248	261	273	286	299	312	324	337	
T 163.0		227	240	252	265	278	291	303	316	329		STANDARD
U 160.0	219	231	244	257	270	282	295	308	321	333		ERR EST.
R 157.0	223	236	249	261	274	287	300	312	325			11.9
E 154.0	228	240	253	266	279	291	304	317				
151.0	232	245	258	270	283	296	309					VALUES
148.0	237	249	262	275	288	301						IN MM

ESTIMATES OF ELBOW CIRCUMFERENCE, FLEXED — NO. 59

WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
178.0						282	287	291	296	301	305	MULTIPLE
175.0					276	281	285	290	295	299	304	CORRELA-
S 172.0				270	275	279	284	289	293	298	303	TION
T 169.0			264	269	273	278	283	287	292	297	301	.586
A 166.0		258	263	267	272	277	281	286	291	295	300	
T 163.0		257	261	266	271	275	280	285	289	294		STANDARD
U 160.0	251	255	260	265	269	274	279	283	288	293		ERR EST.
R 157.0	249	254	259	263	268	273	277	282	287			14.4
E 154.0	248	253	257	262	267	271	276	281				
151.0	247	251	256	261	265	270	275					VALUES
148.0	245	250	255	259	264	269						IN MM

TABLE XXXIV

REGRESSION ESTIMATES BASED ON COMBINATIONS OF WEIGHT AND STATURE

---WEIGHT IN POUNDS + STATURE IN INCHES---

ESTIMATES OF BICEPS CIRCUMFERENCE, RELAXED, LEFT — NO. 57

STATURE	WEIGHT 90	100	110	120	130	140	150	160	170	180	190	
68.0						102	108	113	119	125	131	MULTIPLE
67.0					97	103	109	115	121	127	133	CORRELA-
S 66.0				93	99	105	111	117	123	128	134	TION
T 65.0			89	95	101	107	113	118	124	130	136	.878
A 64.0		85	91	97	102	108	114	120	126	132	138	
T 63.0		86	92	98	104	110	116	122	128	133		STANDARD
U 62.0	82	88	94	100	106	112	117	123	129	135		ERR EST.
R 61.0	84	90	96	101	107	113	119	125	131			4.5
E 60.0	86	91	97	103	109	115	121	127				
59.0	87	93	99	105	111	116	122					VALUES
58.0	89	95	101	106	112	118						IN IN/10

ESTIMATES OF BICEPS CIRCUMFERENCE, FLEXED, LEFT — NO. 58

STATURE	WEIGHT 90	100	110	120	130	140	150	160	170	180	190	
68.0						106	111	117	123	128	134	MULTIPLE
67.0					101	107	113	118	124	130	136	CORRELA-
S 66.0				97	103	109	114	120	126	131	137	TION
T 65.0			93	99	104	110	116	121	127	133	139	.867
A 64.0		89	94	100	106	112	117	123	129	134	140	
T 63.0		90	96	102	107	113	119	124	130	136		STANDARD
U 62.0	86	92	97	103	109	115	120	126	132	137		ERR EST.
R 61.0	88	93	99	105	110	116	122	127	133			4.7
E 60.0	89	95	100	106	112	118	123	129				
59.0	91	96	102	108	113	119	125					VALUES
58.0	92	98	104	109	115	121						IN IN/10

ESTIMATES OF ELBOW CIRCUMFERENCE, FLEXED — NO. 59

STATURE	WEIGHT 90	100	110	120	130	140	150	160	170	180	190	
68.0						111	113	115	117	119	121	MULTIPLE
67.0					108	110	112	114	117	119	121	CORRELA-
S 66.0				106	108	110	112	114	116	118	120	TION
T 65.0			103	105	107	109	112	114	116	118	120	.586
A 64.0		101	103	105	107	109	111	113	115	117	119	
T 63.0		100	102	104	106	109	111	113	115	117		STANDARD
U 62.0	98	100	102	104	106	108	110	112	114	116		ERR EST.
R 61.0	97	99	101	103	106	108	110	112	114			5.7
E 60.0	97	99	101	103	105	107	109	111				
59.0	96	98	100	103	105	107	109					VALUES
58.0	96	98	100	102	104	106						IN IN/10

TABLE XXXIV

REGRESSION ESTIMATES BASED ON COMBINATIONS OF WEIGHT AND STATURE

---WEIGHT IN KILOGRAMS + STATURE IN CENTIMETERS---

ESTIMATES OF FOREARM CIRCUMFERENCE, RELAXED — NO. 60

WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
178.0						236	242	249	255	262	269	MULTIPLE
175.0					230	237	243	250	257	263	270	CORRELA-
S 172.0				225	231	238	245	251	258	264	271	TION
T 169.0			219	226	233	239	246	252	259	266	272	.820
A 166.0		214	221	227	234	240	247	254	260	267	273	
T 163.0		215	222	228	235	242	248	255	261	268		STANDARD
U 160.0	210	216	223	230	236	243	249	256	262	269		ERR EST.
R 157.0	211	218	224	231	237	244	250	257	264			7.9
E 154.0	212	219	225	232	238	245	252	258				
151.0	213	220	226	233	240	246	253					VALUES
148.0	214	221	228	234	241	247						IN MM

ESTIMATES OF FOREARM CIRCUMFERENCE, FLEXED — NO. 61

WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
178.0						251	258	265	272	279	286	MULTIPLE
175.0					245	252	259	266	273	280	287	CORRELA-
S 172.0				240	247	254	260	267	274	281	288	TION
T 169.0			234	241	248	255	262	269	276	282	289	.790
A 166.0		228	235	242	249	256	263	270	277	284	291	
T 163.0		229	236	243	250	257	264	271	278	285		STANDARD
U 160.0	223	230	237	244	251	258	265	272	279	286		ERR EST.
R 157.0	224	231	238	245	252	259	266	273	280			9.3
E 154.0	226	233	240	246	253	260	267	274				
151.0	227	234	241	248	255	262	268					VALUES
148.0	228	235	242	249	256	263						IN MM

ESTIMATES OF WRIST CIRCUMFERENCE — NO. 62

WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
178.0						155	157	159	161	163	166	MULTIPLE
175.0					152	154	156	159	161	163	165	CORRELA-
S 172.0				149	152	154	156	158	160	162	164	TION
T 169.0			147	149	151	153	155	157	160	162	164	.658
A 166.0		144	146	148	151	153	155	157	159	161	163	
T 163.0		144	146	148	150	152	154	156	159	161		STANDARD
U 160.0	141	143	145	147	149	152	154	156	158	160		ERR EST.
R 157.0	140	142	145	147	149	151	153	155	157			5.4
E 154.0	140	142	144	146	148	150	153	155				
151.0	139	141	144	146	148	150	152					VALUES
148.0	139	141	143	145	147	149						IN MM

TABLE XXXIV

REGRESSION ESTIMATES BASED ON COMBINATIONS OF WEIGHT AND STATURE

---WEIGHT IN POUNDS + STATURE IN INCHES---

ESTIMATES OF FOREARM CIRCUMFERENCE, RELAXED — NO. 60

STATURE	WEIGHT 90	100	110	120	130	140	150	160	170	180	190
68.0						95	98	100	103	106	109
67.0					92	95	98	101	104	107	110
66.0				89	92	95	98	101	104	107	110
65.0			87	90	93	96	99	102	105	108	110
64.0		84	87	90	93	96	99	102	105	108	111
63.0		85	88	91	94	97	99	102	105	108	
62.0	82	85	88	91	94	97	100	103	106	109	
61.0	83	86	88	91	94	97	100	103	106		
60.0	83	86	89	92	95	98	101	104			
59.0	83	86	89	92	95	98	101				
58.0	84	87	90	93	96	98					

MULTIPLE CORRELATION .820

STANDARD ERR EST. 3.1

VALUES IN IN/10

ESTIMATES OF FOREARM CIRCUMFERENCE, FLEXED — NO. 61

STATURE	WEIGHT 90	100	110	120	130	140	150	160	170	180	190
68.0						101	104	107	110	113	116
67.0					98	101	104	107	110	114	117
66.0				95	98	101	105	108	111	114	117
65.0			93	96	99	102	105	108	111	114	117
64.0		90	93	96	99	102	105	108	112	115	118
63.0		90	93	96	100	103	106	109	112	115	
62.0	87	91	94	97	100	103	106	109	112	115	
61.0	88	91	94	97	100	103	107	110	113		
60.0	88	91	94	98	101	104	107	110			
59.0	89	92	95	98	101	104	107				
58.0	89	92	95	98	101	105					

MULTIPLE CORRELATION .790

STANDARD ERR EST. 3.7

VALUES IN IN/10

ESTIMATES OF WRIST CIRCUMFERENCE — NO. 62

STATURE	WEIGHT 90	100	110	120	130	140	150	160	170	180	190
68.0						61	62	63	64	65	66
67.0					60	61	62	63	64	65	65
66.0				59	60	61	61	62	63	64	65
65.0			57	58	59	60	61	62	63	64	65
64.0		56	57	58	59	60	61	62	63	64	65
63.0		56	57	58	59	60	61	62	63	64	
62.0	55	56	57	58	59	60	61	62	63	64	
61.0	55	56	57	58	59	60	61	62	62		
60.0	55	56	57	58	58	59	60	61			
59.0	54	55	56	57	58	59	60				
58.0	54	55	56	57	58	59					

MULTIPLE CORRELATION .658

STANDARD ERR EST. 2.1

VALUES IN IN/10

TABLE XXXIV

REGRESSION ESTIMATES BASED ON COMBINATIONS OF WEIGHT AND STATURE

---WEIGHT IN KILOGRAMS + STATURE IN CENTIMETERS---

ESTIMATES OF BIACROMIAL BREADTH — NO. 63

WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
178.0						373	377	380	383	386	389	MULTIPLE
175.0					368	371	374	377	380	384	387	CORRELA-
S 172.0				363	366	369	372	375	378	381	384	TION
T 169.0			358	361	364	367	370	373	376	379	382	.545
A 166.0		352	355	358	362	365	368	371	374	377	380	
T 163.0		350	353	356	359	362	365	369	372	375		STANDARD
U 160.0	345	348	351	354	357	360	363	366	369	373		ERR EST.
R 157.0	343	346	349	352	355	358	361	364	367			13.7
E 154.0	340	344	347	350	353	356	359	362				
151.0	338	341	344	347	351	354	357					VALUES
148.0	336	339	342	345	348	351						IN MM

ESTIMATES OF BIDELTOID BREADTH — NO. 64

WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
178.0						420	431	442	453	464	475	MULTIPLE
175.0					411	422	433	444	455	466	477	CORRELA-
S 172.0				402	413	424	435	446	457	468	479	TION
T 169.0			393	404	415	426	437	448	459	470	481	.811
A 166.0		384	395	406	417	428	439	450	461	472	483	
T 163.0		386	397	408	419	430	441	452	463	474		STANDARD
U 160.0	377	388	399	410	421	432	443	454	465	476		ERR EST.
R 157.0	379	390	401	412	423	434	445	456	467			13.5
E 154.0	381	392	403	414	425	436	447	458				
151.0	383	394	405	416	427	438	449					VALUES
148.0	385	396	407	418	429	440						IN MM

ESTIMATES OF CHEST BREADTH — NO. 65

WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
178.0						282	290	297	305	313	321	MULTIPLE
175.0					275	283	291	299	307	314	322	CORRELA-
S 172.0				269	276	284	292	300	308	316	324	TION
T 169.0			262	270	278	286	293	301	309	317	325	.710
A 166.0		255	263	271	279	287	295	303	310	318	326	
T 163.0		257	265	272	280	288	296	304	312	320		STANDARD
U 160.0	250	258	266	274	281	289	297	305	313	321		ERR EST.
R 157.0	251	259	267	275	283	291	298	306	314			13.5
E 154.0	253	260	268	276	284	292	300	308				
151.0	254	262	270	277	285	293	301					VALUES
148.0	255	263	271	279	287	294						IN MM

TABLE XXXIV

REGRESSION ESTIMATES BASED ON COMBINATIONS OF WEIGHT AND STATURE

---WEIGHT IN POUNDS + STATURE IN INCHES---

ESTIMATES OF BIACROMIAL BREADTH — NO. 63

WEIGHT	90	100	110	120	130	140	150	160	170	180	190	POUNDS
68.0						146	147	149	150	151	153	MULTIPLE
67.0					144	145	147	148	149	151	152	CORRELA-
S 66.0				142	143	144	146	147	149	150	151	TION
T 65.0			140	141	142	144	145	146	148	149	151	.545
A 64.0		138	139	140	142	143	144	146	147	148	150	
T 63.0		137	138	140	141	142	144	145	146	148		STANDARD
U 62.0	135	136	137	139	140	142	143	144	146	147		ERR EST.
R 61.0	134	135	137	138	139	141	142	144	145			5.4
E 60.0	133	135	136	137	139	140	141	143				
59.0	132	134	135	137	138	139	141					VALUES
58.0	132	133	134	136	137	139						IN IN/10

ESTIMATES OF BIDELTOID BREADTH — NO. 64

WEIGHT	90	100	110	120	130	140	150	160	170	180	190	POUNDS
68.0						168	173	178	183	188	193	MULTIPLE
67.0					164	169	174	179	184	189	194	CORRELA-
S 66.0				160	165	170	175	179	184	189	194	TION
T 65.0			156	161	165	170	175	180	185	190	195	.811
A 64.0		151	156	161	166	171	176	181	186	191	195	
T 63.0		152	157	162	167	172	177	181	186	191		STANDARD
U 62.0	148	153	158	163	167	172	177	182	187	192		ERR EST.
R 61.0	149	153	158	163	168	173	178	183	188			5.3
E 60.0	149	154	159	164	169	174	179	183				
59.0	150	155	160	165	169	174	179					VALUES
58.0	151	155	160	165	170	175						IN IN/10

ESTIMATES OF CHEST BREADTH — NO. 65

WEIGHT	90	100	110	120	130	140	150	160	170	180	190	POUNDS
68.0						113	116	120	123	127	131	MULTIPLE
67.0					110	113	117	120	124	127	131	CORRELA-
S 66.0				107	110	114	117	121	124	128	131	TION
T 65.0			104	107	111	114	118	121	125	128	132	.710
A 64.0		101	104	108	111	115	118	122	125	129	132	
T 63.0		101	105	108	112	115	119	122	126	129		STANDARD
U 62.0	98	101	105	108	112	116	119	123	126	130		ERR EST.
R 61.0	98	102	105	109	112	116	119	123	126			5.3
E 60.0	99	102	106	109	113	116	120	123				
59.0	99	103	106	110	113	117	120					VALUES
58.0	100	103	107	110	114	117						IN IN/10

TABLE XXXIV

REGRESSION ESTIMATES BASED ON COMBINATIONS OF WEIGHT AND STATURE

---WEIGHT IN KILOGRAMS + STATURE IN CENTIMETERS---

ESTIMATES OF BUSTPOINT-TO-BUSTPOINT BREADTH — NO. 66

WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
178.0						185	191	196	202	207	213	MULTIPLE
175.0					181	187	192	197	203	208	214	CORRELA-
S 172.0				177	182	188	193	199	204	209	215	TION
T 169.0			172	178	183	189	194	200	205	210	216	.598
A 166.0		168	173	179	184	190	195	201	206	212	217	
T 163.0		169	175	180	185	191	196	202	207	213		STANDARD
U 160.0	165	170	176	181	187	192	197	203	208	214		ERR EST.
R 157.0	166	171	177	182	188	193	199	204	209			12.4
E 154.0	167	172	178	183	189	194	200	205				
151.0	168	173	179	184	190	195	201					VALUES
148.0	169	175	180	185	191	196						IN MM

ESTIMATES OF WAIST BREADTH — NO. 67

WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
178.0						245	253	262	270	279	287	MULTIPLE
175.0					237	246	254	263	271	280	288	CORRELA-
S 172.0				230	238	247	255	264	273	281	290	TION
T 169.0			222	231	240	248	257	265	274	282	291	.773
A 166.0		215	224	232	241	249	258	266	275	283	292	
T 163.0		216	225	233	242	250	259	267	276	284		STANDARD
U 160.0	209	217	226	234	243	251	260	268	277	285		ERR EST.
R 157.0	210	218	227	235	244	252	261	269	278			12.3
E 154.0	211	219	228	236	245	253	262	270				
151.0	212	220	229	237	246	255	263					VALUES
148.0	213	222	230	239	247	256						IN MM

ESTIMATES OF HIP BREADTH — NO. 68

WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
178.0						355	365	374	384	394	403	MULTIPLE
175.0					346	356	366	375	385	395	404	CORRELA-
S 172.0				338	347	357	367	376	386	395	405	TION
T 169.0			329	339	348	358	368	377	387	396	406	.774
A 166.0		320	330	340	349	359	369	378	388	397	407	
T 163.0		321	331	341	350	360	369	379	389	398		STANDARD
U 160.0	313	322	332	342	351	361	370	380	390	399		ERR EST.
R 157.0	314	323	333	342	352	362	371	381	391			14.0
E 154.0	315	324	334	343	353	363	372	382				
151.0	316	325	335	344	354	364	373					VALUES
148.0	316	326	336	345	355	365						IN MM

TABLE XXXIV

REGRESSION ESTIMATES BASED ON COMBINATIONS OF WEIGHT AND STATURE

---WEIGHT IN POUNDS + STATURE IN INCHES---

ESTIMATES OF BUSTPOINT-TO-BUSTPOINT BREADTH — NO. 66

WEIGHT	90	100	110	120	130	140	150	160	170	180	190	POUNDS
68.0						75	77	79	82	84	87	MULTIPLE
67.0					72	75	77	80	82	85	87	CORRELA-
S 66.0				70	73	75	78	80	83	85	87	TION
T 65.0			68	71	73	76	78	81	83	85	88	.598
A 64.0		66	69	71	74	76	78	81	83	86	88	
T 63.0		67	69	72	74	76	79	81	84	86		STANDARD
U 62.0	65	67	69	72	74	77	79	82	84	86		ERR EST.
R 61.0	65	67	70	72	75	77	80	82	84			4.9
E 60.0	65	68	70	73	75	77	80	82				
59.0	66	68	71	73	75	78	80					VALUES
58.0	66	68	71	73	76	78						IN IN/10

ESTIMATES OF WAIST BREADTH — NO. 67

WEIGHT	90	100	110	120	130	140	150	160	170	180	190	POUNDS
68.0						98	102	106	110	114	117	MULTIPLE
67.0					95	99	103	106	110	114	118	CORRELA-
S 66.0				91	95	99	103	107	111	114	118	TION
T 65.0			88	92	96	99	103	107	111	115	118	.773
A 64.0		85	88	92	96	100	104	107	111	115	119	
T 63.0		85	89	93	96	100	104	108	112	115		STANDARD
U 62.0	82	85	89	93	97	101	104	108	112	116		ERR EST.
R 61.0	82	86	89	93	97	101	105	109	112			4.8
E 60.0	82	86	90	94	97	101	105	109				
59.0	83	86	90	94	98	102	105					VALUES
58.0	83	87	91	94	98	102						IN IN/10

ESTIMATES OF HIP BREADTH — NO. 68

WEIGHT	90	100	110	120	130	140	150	160	170	180	190	POUNDS
68.0						142	146	150	155	159	163	MULTIPLE
67.0					138	142	146	151	155	159	164	CORRELA-
S 66.0				134	138	143	147	151	155	160	164	TION
T 65.0			130	134	139	143	147	151	156	160	164	.774
A 64.0		126	130	135	139	143	147	152	156	160	165	
T 63.0		126	131	135	139	143	148	152	156	161		STANDARD
U 62.0	122	127	131	135	139	144	148	152	157	161		ERR EST.
R 61.0	123	127	131	136	140	144	148	153	157			5.5
E 60.0	123	127	132	136	140	144	149	153				
59.0	123	128	132	136	140	145	149					VALUES
58.0	124	128	132	136	141	145						IN IN/10

TABLE XXXIV

REGRESSION ESTIMATES BASED ON COMBINATIONS OF WEIGHT AND STATURE

---WEIGHT IN KILOGRAMS + STATURE IN CENTIMETERS---

ESTIMATES OF THIGH-TO-THIGH BREADTH, SITTING — NO. 69

WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
178.0						378	392	406	420	434	448	MULTIPLE
175.0					368	382	396	410	424	437	451	CORRELA-
S 172.0				357	371	385	399	413	427	441	455	TION
T 169.0			347	361	375	389	403	417	431	445	458	.811
A 166.0		337	351	365	378	392	406	420	434	448	462	
T 163.0		340	354	368	382	396	410	424	438	452		STANDARD
U 160.0	330	344	358	372	386	399	413	427	441	455		ERR EST.
R 157.0	333	347	361	375	389	403	417	431	445			16.7
E 154.0	337	351	365	379	393	407	420	434				
151.0	340	354	368	382	396	410	424					VALUES
148.0	344	358	372	386	400	414						IN MM

ESTIMATES OF HUMERAL BREADTH, RIGHT — NO. 70

WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
178.0						64	65	66	66	67	67	MULTIPLE
175.0					63	64	64	65	66	66	67	CORRELA-
S 172.0				62	63	63	64	65	65	66	67	TION
T 169.0			61	62	62	63	64	64	65	66	66	.588
A 166.0		60	61	61	62	63	63	64	64	65	66	
T 163.0		60	60	61	62	62	63	63	64	65		STANDARD
U 160.0	59	59	60	60	61	62	62	63	64	64		ERR EST.
R 157.0	58	59	59	60	61	61	62	63	63			2.5
E 154.0	58	58	59	60	60	61	62	62				
151.0	57	58	59	59	60	60	61					VALUES
148.0	57	57	58	59	59	60						IN MM

ESTIMATES OF HUMERAL BREADTH, LEFT — NO. 71

WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
178.0						64	65	65	66	66	67	MULTIPLE
175.0					63	64	64	65	65	66	67	CORRELA-
S 172.0				62	62	63	64	64	65	66	66	TION
T 169.0			61	61	62	63	63	64	65	65	66	.594
A 166.0		60	60	61	62	62	63	64	64	65	65	
T 163.0		59	60	61	61	62	62	63	64	64		STANDARD
U 160.0	58	59	60	60	61	61	62	63	63	64		ERR EST.
R 157.0	58	58	59	60	60	61	62	62	63			2.4
E 154.0	57	58	59	59	60	61	61	62				
151.0	57	58	58	59	59	60	61					VALUES
148.0	57	57	58	58	59	60						IN MM

TABLE XXXIV

REGRESSION ESTIMATES BASED ON COMBINATIONS OF WEIGHT AND STATURE

---WEIGHT IN POUNDS + STATURE IN INCHES---

ESTIMATES OF THIGH-TO-THIGH BREADTH, SITTING — NO. 69

WEIGHT	90	100	110	120	130	140	150	160	170	180	190	POUNDS
68.0						153	160	166	172	178	185	MULTIPLE
67.0					148	155	161	167	173	179	186	CORRELA-
S 66.0				143	150	156	162	168	174	181	187	TION
T 65.0			138	145	151	157	163	169	176	182	188	.811
A 64.0		133	139	146	152	158	164	171	177	183	189	
T 63.0		134	141	147	153	159	166	172	178	184		STANDARD
U 62.0	129	136	142	148	154	161	167	173	179	185		ERR EST.
R 61.0	131	137	143	149	155	162	168	174	180			6.6
E 60.0	132	138	144	150	157	163	169	175				
59.0	133	139	145	152	158	164	170					VALUES
58.0	134	140	147	153	159	165						IN IN/10

ESTIMATES OF HUMERAL BREADTH, RIGHT — NO. 70

WEIGHT	90	100	110	120	130	140	150	160	170	180	190	POUNDS
68.0						25	25	26	26	26	27	MULTIPLE
67.0					25	25	25	26	26	26	26	CORRELA-
S 66.0				24	25	25	25	25	26	26	26	TION
T 65.0			24	24	24	25	25	25	26	26	26	.588
A 64.0		23	24	24	24	25	25	25	25	26	26	
T 63.0		23	24	24	24	24	25	25	25	26		STANDARD
U 62.0	23	23	23	24	24	24	25	25	25	25		ERR EST.
R 61.0	23	23	23	24	24	24	24	25	25			1.0
E 60.0	23	23	23	23	24	24	24	25				
59.0	22	23	23	23	24	24	24					VALUES
58.0	22	23	23	23	23	24						IN IN/10

ESTIMATES OF HUMERAL BREADTH, LEFT — NO. 71

WEIGHT	90	100	110	120	130	140	150	160	170	180	190	POUNDS
68.0						25	25	26	26	26	26	MULTIPLE
67.0					25	25	25	25	26	26	26	CORRELA-
S 66.0				24	24	25	25	25	26	26	26	TION
T 65.0			24	24	24	25	25	25	25	26	26	.594
A 64.0		23	24	24	24	24	25	25	25	26	26	
T 63.0		23	23	24	24	24	25	25	25	25		STANDARD
U 62.0	23	23	23	24	24	24	24	25	25	25		ERR EST.
R 61.0	23	23	23	23	24	24	24	25	25			1.0
E 60.0	22	23	23	23	24	24	24	24				
59.0	22	23	23	23	23	24	24					VALUES
58.0	22	22	23	23	23	24						IN IN/10

TABLE XXXIV

REGRESSION ESTIMATES BASED ON COMBINATIONS OF WEIGHT AND STATURE

---WEIGHT IN KILOGRAMS + STATURE IN CENTIMETERS---

ESTIMATES OF FEMORAL BREADTH, RIGHT — NO. 72

WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
178.0						84	85	86	87	88	89	MULTIPLE
175.0					82	83	84	85	86	87	88	CORRELA-
S 172.0				81	82	83	84	85	86	87	88	TION
T 169.0			80	81	82	83	84	85	86	87	88	.496
A 166.0		78	80	81	82	83	84	85	86	87	88	
T 163.0		78	79	80	81	82	83	84	85	86		STANDARD
U 160.0	77	78	79	80	81	82	83	84	85	86		ERR EST.
R 157.0	77	78	79	80	81	82	83	84	85			3.9
E 154.0	76	77	79	80	81	82	83	84				
151.0	76	77	78	79	80	81	82					VALUES
148.0	76	77	78	79	80	81						IN MM

ESTIMATES OF FEMORAL BREADTH, LEFT — NO. 73

WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
178.0						84	85	86	87	88	89	MULTIPLE
175.0					82	84	85	86	87	88	89	CORRELA-
S 172.0				81	82	83	84	85	87	88	89	TION
T 169.0			80	81	82	83	84	85	86	87	88	.522
A 166.0		79	80	81	82	83	84	85	86	87	88	
T 163.0		78	79	80	82	83	84	85	86	87		STANDARD
U 160.0	77	78	79	80	81	82	83	85	86	87		ERR EST.
R 157.0	77	78	79	80	81	82	83	84	85			3.7
E 154.0	77	78	79	80	81	82	83	84				
151.0	76	77	79	80	81	82	83					VALUES
148.0	76	77	78	79	80	82						IN MM

ESTIMATES OF CHEST DEPTH — NO. 74

WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
178.0						234	243	252	261	270	279	MULTIPLE
175.0					227	236	245	254	263	272	281	CORRELA-
S 172.0				221	230	239	248	256	265	274	283	TION
T 169.0			214	223	232	241	250	259	268	277	286	.770
A 166.0		207	216	225	234	243	252	261	270	279	288	
T 163.0		210	219	228	236	245	254	263	272	281		STANDARD
U 160.0	203	212	221	230	239	248	257	266	275	284		ERR EST.
R 157.0	205	214	223	232	241	250	259	268	277			12.3
E 154.0	208	217	225	234	243	252	261	270				
151.0	210	219	228	237	246	255	264					VALUES
148.0	212	221	230	239	248	257						IN MM

TABLE XXXIV

REGRESSION ESTIMATES BASED ON COMBINATIONS OF WEIGHT AND STATURE

---WEIGHT IN POUNDS + STATURE IN INCHES---

ESTIMATES OF FEMORAL BREADTH, RIGHT — NO. 72

WEIGHT	90	100	110	120	130	140	150	160	170	180	190	POUNDS
68.0						33	33	34	34	35	35	MULTIPLE
67.0					32	33	33	34	34	35	35	CORRELA-
S 66.0				32	32	33	33	34	34	35	35	TION
T 65.0			31	32	32	33	33	34	34	34	35	.496
A 64.0		31	31	32	32	33	33	33	34	34	35	
T 63.0		31	31	32	32	32	33	33	34	34		STANDARD
U 62.0	30	31	31	31	32	32	33	33	34	34		ERR EST.
R 61.0	30	30	31	31	32	32	33	33	34			1.5
E 60.0	30	30	31	31	32	32	33	33				
59.0	30	30	31	31	32	32	33					VALUES
58.0	30	30	31	31	32	32						IN IN/10

ESTIMATES OF FEMORAL BREADTH, LEFT — NO. 73

WEIGHT	90	100	110	120	130	140	150	160	170	180	190	POUNDS
68.0						33	33	34	34	35	35	MULTIPLE
67.0					32	33	33	34	34	35	35	CORRELA-
S 66.0				32	32	33	33	34	34	35	35	TION
T 65.0			31	32	32	33	33	34	34	35	35	.522
A 64.0		31	31	32	32	33	33	34	34	35	35	
T 63.0		31	31	32	32	33	33	34	34	35		STANDARD
U 62.0	30	31	31	32	32	33	33	33	34	34		ERR EST.
R 61.0	30	31	31	31	32	32	33	33	34			1.5
E 60.0	30	30	31	31	32	32	33	33				
59.0	30	30	31	31	32	32	33					VALUES
58.0	30	30	31	31	32	32						IN IN/10

ESTIMATES OF CHEST DEPTH — NO. 74

WEIGHT	90	100	110	120	130	140	150	160	170	180	190	POUNDS
68.0						95	99	103	107	111	115	MULTIPLE
67.0					92	96	100	104	108	112	116	CORRELA-
S 66.0				89	93	97	101	105	109	113	117	TION
T 65.0			85	89	93	97	101	105	109	113	117	.770
A 64.0		82	86	90	94	98	102	106	110	114	118	
T 63.0		83	87	91	95	99	103	107	111	115		STANDARD
U 62.0	80	84	88	92	96	100	104	108	112	116		ERR EST.
R 61.0	80	84	88	92	96	100	104	108	112			4.8
E 60.0	81	85	89	93	97	101	105	109				
59.0	82	86	90	94	98	102	106					VALUES
58.0	83	87	91	95	99	103						IN IN/10

TABLE XXXIV

REGRESSION ESTIMATES BASED ON COMBINATIONS OF WEIGHT AND STATURE

---WEIGHT IN KILOGRAMS + STATURE IN CENTIMETERS---

ESTIMATES OF WAIST DEPTH — NO. 75

WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
178.0						166	174	182	190	198	206	MULTIPLE
175.0					161	169	177	184	192	200	208	CORRELA-
S 172.0				155	163	171	179	187	195	202	210	TION
T 169.0			150	158	165	173	181	189	197	205	213	.773
A 166.0		144	152	160	168	176	184	191	199	207	215	
T 163.0		146	154	162	170	178	186	194	202	209		STANDARD
U 160.0	141	149	157	165	172	180	188	196	204	212		ERR EST.
R 157.0	143	151	159	167	175	183	191	198	206			10.6
E 154.0	146	153	161	169	177	185	193	201				
151.0	148	156	164	172	179	187	195					VALUES
148.0	150	158	166	174	182	190						IN MM

ESTIMATES OF ABDOMINAL EXTENSION DEPTH — NO. 76

WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
178.0						204	215	225	236	247	257	MULTIPLE
175.0					196	207	218	228	239	250	261	CORRELA-
S 172.0				189	199	210	221	232	242	253	264	TION
T 169.0			181	192	203	213	224	235	245	256	267	.830
A 166.0		174	184	195	206	216	227	238	249	259	270	
T 163.0		177	187	198	209	220	230	241	252	262		STANDARD
U 160.0	169	180	191	201	212	223	233	244	255	266		ERR EST.
R 157.0	172	183	194	204	215	226	237	247	258			11.8
E 154.0	175	186	197	208	218	229	240	250				
151.0	179	189	200	211	221	232	243					VALUES
148.0	182	192	203	214	225	235						IN MM

ESTIMATES OF BUTTOCK DEPTH — NO. 77

WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
178.0						209	218	227	236	245	254	MULTIPLE
175.0					202	211	220	229	238	247	256	CORRELA-
S 172.0				195	204	213	222	231	241	250	259	TION
T 169.0			189	198	207	216	225	234	243	252	261	.836
A 166.0		182	191	200	209	218	227	236	245	254	263	
T 163.0		185	194	203	212	221	230	239	248	257		STANDARD
U 160.0	178	187	196	205	214	223	232	241	250	259		ERR EST.
R 157.0	180	189	198	207	216	225	234	243	252			9.8
E 154.0	183	192	201	210	219	228	237	246				
151.0	185	194	203	212	221	230	239					VALUES
148.0	187	196	205	214	223	233						IN MM

TABLE XXXIV

REGRESSION ESTIMATES BASED ON COMBINATIONS OF WEIGHT AND STATURE

---WEIGHT IN POUNDS + STATURE IN INCHES---

ESTIMATES OF WAIST DEPTH — NO. 75

WEIGHT	90	100	110	120	130	140	150	160	170	180	190	POUNDS
68.0						68	72	75	79	82	86	MULTIPLE
67.0					66	69	73	76	80	83	87	CORRELA-
S 66.0				63	66	70	73	77	80	84	87	TION
T 65.0			60	64	67	71	74	78	81	85	88	.773
A 64.0		57	61	64	68	71	75	78	82	85	89	
T 63.0		58	62	65	69	72	76	79	83	86		STANDARD
U 62.0	55	59	62	66	69	73	76	80	83	87		ERR EST.
R 61.0	56	60	63	67	70	74	77	81	84			4.2
E 60.0	57	60	64	67	71	74	78	82				
59.0	58	61	65	68	72	75	79					VALUES
58.0	58	62	65	69	73	76						IN IN/10

ESTIMATES OF ABDOMINAL EXTENSION DEPTH — NO. 76

WEIGHT	90	100	110	120	130	140	150	160	170	180	190	POUNDS
68.0						84	89	94	98	103	108	MULTIPLE
67.0					80	85	90	95	99	104	109	CORRELA-
S 66.0				77	81	86	91	96	100	105	110	TION
T 65.0			73	78	82	87	92	97	102	106	111	.830
A 64.0		69	74	79	83	88	93	98	103	107	112	
T 63.0		70	75	80	84	89	94	99	104	108		STANDARD
U 62.0	66	71	76	81	86	90	95	100	105	109		ERR EST.
R 61.0	67	72	77	82	87	91	96	101	106			4.6
E 60.0	69	73	78	83	88	92	97	102				
59.0	70	74	79	84	89	93	98					VALUES
58.0	71	75	80	85	90	95						IN IN/10

ESTIMATES OF BUTTOCK DEPTH — NO. 77

WEIGHT	90	100	110	120	130	140	150	160	170	180	190	POUNDS
68.0						85	89	93	97	101	105	MULTIPLE
67.0					82	86	90	94	98	102	106	CORRELA-
S 66.0				79	83	87	91	95	99	103	107	TION
T 65.0			75	79	84	88	92	96	100	104	108	.836
A 64.0		72	76	80	84	88	92	96	100	104	108	
T 63.0		73	77	81	85	89	93	97	101	105		STANDARD
U 62.0	70	74	78	82	86	90	94	98	102	106		ERR EST.
R 61.0	71	75	79	83	87	91	95	99	103			3.9
E 60.0	71	75	79	83	87	91	96	100				
59.0	72	76	80	84	88	92	96					VALUES
58.0	73	77	81	85	89	93						IN IN/10

TABLE XXXIV

REGRESSION ESTIMATES BASED ON COMBINATIONS OF WEIGHT AND STATURE

---WEIGHT IN KILOGRAMS + STATURE IN CENTIMETERS---

ESTIMATES OF THIGH CLEARANCE — NO. 78

WEIGHT KILOS	42	46	50	54	58	62	66	70	74	78	82	
178.0						132	136	141	145	150	154	MULTIPLE
175.0					127	131	136	140	145	149	154	CORRELA-
S 172.0				122	126	131	135	140	144	149	153	TION
T 169.0			117	121	126	130	135	139	144	148	153	.716
A 166.0		112	116	121	125	130	134	139	143	148	152	
T 163.0		111	116	120	125	129	134	138	143	147		STANDARD
U 160.0	106	111	115	120	124	129	133	138	142	147		ERR EST.
R 157.0	106	110	115	119	124	128	133	137	142			8.7
E 154.0	106	110	115	119	124	128	133	137				
151.0	105	110	114	119	123	128	132					VALUES
148.0	105	109	114	118	123	127						IN MM

ESTIMATES OF SHOULDER LENGTH — NO. 79

WEIGHT KILOS	42	46	50	54	58	62	66	70	74	78	82	
178.0						156	156	157	157	158	159	MULTIPLE
175.0					153	154	155	155	156	156	157	CORRELA-
S 172.0				151	152	152	153	154	154	155	155	TION
T 169.0			149	150	150	151	151	152	153	153	154	.377
A 166.0		147	147	148	149	149	150	150	151	152	152	
T 163.0		145	146	147	147	148	148	149	150	150		STANDARD
U 160.0	143	144	144	145	146	146	147	147	148	149		ERR EST.
R 157.0	142	142	143	143	144	145	145	146	146			9.5
E 154.0	140	141	141	142	142	143	144	144				
151.0	138	139	140	140	141	141	142					VALUES
148.0	137	138	138	139	139	140						IN MM

ESTIMATES OF NECK-TO-BUSTPOINT LENGTH — NO. 80

WEIGHT KILOS	42	46	50	54	58	62	66	70	74	78	82	
178.0						259	265	271	277	283	289	MULTIPLE
175.0					253	259	265	271	277	283	290	CORRELA-
S 172.0				248	254	260	266	272	278	284	290	TION
T 169.0			242	248	254	260	266	272	278	285	291	.574
A 166.0		237	243	249	255	261	267	273	279	285	291	
T 163.0		237	243	249	255	261	267	273	280	286		STANDARD
U 160.0	232	238	244	250	256	262	268	274	280	286		ERR EST.
R 157.0	232	238	244	250	256	262	268	275	281			15.5
E 154.0	233	239	245	251	257	263	269	275				
151.0	233	239	245	251	257	263	270					VALUES
148.0	234	240	246	252	258	264						IN MM

TABLE XXXIV

REGRESSION ESTIMATES BASED ON COMBINATIONS OF WEIGHT AND STATURE

---WEIGHT IN POUNDS + STATURE IN INCHES---

ESTIMATES OF THIGH CLEARANCE — NO. 78

WEIGHT	90	100	110	120	130	140	150	160	170	180	190	POUNDS
68.0						52	54	56	58	60	62	MULTIPLE
67.0					50	52	54	56	58	60	62	CORRELA-
S 66.0				48	50	52	54	56	58	60	62	TION
T 65.0			46	48	50	52	54	56	58	60	62	.716
A 64.0		44	46	48	50	52	54	56	58	60	62	
T 63.0		43	45	47	49	51	53	55	57	59		STANDARD
U 62.0	41	43	45	47	49	51	53	55	57	59		ERR EST.
R 61.0	41	43	45	47	49	51	53	55	57			3.4
E 60.0	41	43	45	47	49	51	53	55				
59.0	41	43	45	47	49	51	53					VALUES
58.0	41	43	45	47	49	51						IN IN/10

ESTIMATES OF SHOULDER LENGTH — NO. 79

WEIGHT	90	100	110	120	130	140	150	160	170	180	190	POUNDS
68.0						60	61	61	61	61	62	MULTIPLE
67.0					59	60	60	60	61	61	61	CORRELA-
S 66.0				59	59	59	59	60	60	60	61	TION
T 65.0			58	58	58	59	59	59	59	60	60	.377
A 64.0		57	57	58	58	58	58	59	59	59	59	
T 63.0		57	57	57	57	58	58	58	58	59		STANDARD
U 62.0	56	56	56	57	57	57	57	58	58	58		ERR EST.
R 61.0	55	56	56	56	56	57	57	57	57			3.7
E 60.0	55	55	55	56	56	56	56	57				
59.0	54	54	55	55	55	56	56					VALUES
58.0	54	54	54	54	55	55						IN IN/10

ESTIMATES OF NECK-TO-BUSTPOINT LENGTH — NO. 80

WEIGHT	90	100	110	120	130	140	150	160	170	180	190	POUNDS
68.0						103	106	109	111	114	117	MULTIPLE
67.0					101	103	106	109	111	114	117	CORRELA-
S 66.0				98	101	103	106	109	112	114	117	TION
T 65.0			96	98	101	104	106	109	112	114	117	.574
A 64.0		93	96	98	101	104	107	109	112	115	117	
T 63.0		93	96	99	101	104	107	109	112	115		STANDARD
U 62.0	91	93	96	99	101	104	107	110	112	115		ERR EST.
R 61.0	91	94	96	99	102	104	107	110	112			6.1
E 60.0	91	94	96	99	102	105	107	110				
59.0	91	94	97	99	102	105	107					VALUES
58.0	91	94	97	99	102	105						IN IN/10

TABLE XXXIV

REGRESSION ESTIMATES BASED ON COMBINATIONS OF WEIGHT AND STATURE

---WEIGHT IN KILOGRAMS + STATURE IN CENTIMETERS---

ESTIMATES OF STRAP LENGTH — NO. 81

WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
178.0						664	678	692	706	720	734	MULTIPLE
175.0					650	665	679	693	707	721	735	CORRELA-
S 172.0				637	651	665	679	693	707	721	735	TION
T 169.0			624	638	652	666	680	694	708	722	736	.655
A 166.0		610	624	638	652	667	681	695	709	723	737	
T 163.0		611	625	639	653	667	681	695	709	723		STANDARD
U 160.0	598	612	626	640	654	668	682	696	710	724		ERR EST.
R 157.0	598	612	626	640	655	669	683	697	711			29.6
E 154.0	599	613	627	641	655	669	683	697				
151.0	600	614	628	642	656	670	684					VALUES
148.0	600	614	628	643	657	671						IN MM

ESTIMATES OF INTERSCYE CURVATURE — NO. 82

WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
178.0						350	358	366	374	382	390	MULTIPLE
175.0					344	352	360	368	376	384	391	CORRELA-
S 172.0				338	346	354	362	369	377	385	393	TION
T 169.0			332	340	347	355	363	371	379	387	395	.546
A 166.0		325	333	341	349	357	365	373	381	388	396	
T 163.0		327	335	343	351	359	366	374	382	390		STANDARD
U 160.0	321	329	337	345	352	360	368	376	384	392		ERR EST.
R 157.0	323	330	338	346	354	362	370	378	386			20.4
E 154.0	324	332	340	348	356	364	371	379				
151.0	326	334	342	349	357	365	373					VALUES
148.0	327	335	343	351	359	367						IN MM

ESTIMATES OF INTERSCYE CURVATURE, MAXIMUM — NO. 83

WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
178.0						511	519	528	537	546	555	MULTIPLE
175.0					500	509	518	527	536	545	554	CORRELA-
S 172.0				490	499	508	517	526	535	544	553	TION
T 169.0			480	489	498	507	516	524	533	542	551	.557
A 166.0		470	479	487	496	505	514	523	532	541	550	
T 163.0		468	477	486	495	504	513	522	531	540		STANDARD
U 160.0	458	467	476	485	494	503	512	521	529	538		ERR EST.
R 157.0	457	466	475	483	492	501	510	519	528			27.3
E 154.0	455	464	473	482	491	500	509	518				
151.0	454	463	472	481	490	499	508					VALUES
148.0	453	462	471	480	488	497						IN MM

TABLE XXXIV

REGRESSION ESTIMATES BASED ON COMBINATIONS OF WEIGHT AND STATURE

---WEIGHT IN POUNDS + STATURE IN INCHES---

ESTIMATES OF STRAP LENGTH — NO. 81

WEIGHT	90	100	110	120	130	140	150	160	170	180	190	
68.0						264	270	276	283	289	295	MULTIPLE
67.0					258	264	270	277	283	289	296	CORRELA-
S 66.0				252	258	264	271	277	283	289	296	TION
T 65.0			246	252	258	265	271	277	283	290	296	.655
A 64.0		240	246	252	259	265	271	277	284	290	296	
T 63.0		240	246	252	259	265	271	278	284	290		STANDARD
U 62.0	234	240	246	253	259	265	272	278	284	290		ERR EST.
R 61.0	234	240	247	253	259	266	272	278	284			11.7
E 60.0	234	241	247	253	259	266	272	278				
59.0	235	241	247	253	260	266	272					VALUES
58.0	235	241	247	254	260	266						IN IN/10

ESTIMATES OF INTERSCYE CURVATURE — NO. 82

WEIGHT	90	100	110	120	130	140	150	160	170	180	190	
68.0						140	144	147	151	154	158	MULTIPLE
67.0					137	141	144	148	151	155	158	CORRELA-
S 66.0				134	138	141	145	148	152	155	159	TION
T 65.0			131	135	138	142	145	149	152	156	159	.546
A 64.0		128	132	135	139	142	146	149	153	156	160	
T 63.0		129	132	136	139	143	147	150	154	157		STANDARD
U 62.0	126	129	133	137	140	144	147	151	154	158		ERR EST.
R 61.0	127	130	134	137	141	144	148	151	155			8.0
E 60.0	127	131	134	138	141	145	148	152				
59.0	128	131	135	138	142	145	149					VALUES
58.0	128	132	135	139	142	146						IN IN/10

ESTIMATES OF INTERSCYE CURVATURE, MAXIMUM — NO. 83

WEIGHT	90	100	110	120	130	140	150	160	170	180	190	
68.0						201	205	209	213	217	221	MULTIPLE
67.0					197	201	205	209	213	217	221	CORRELA-
S 66.0				193	197	201	205	209	212	216	220	TION
T 65.0			188	192	196	200	204	208	212	216	220	.557
A 64.0		184	188	192	196	200	204	208	212	216	220	
T 63.0		183	187	191	195	199	203	207	211	215		STANDARD
U 62.0	179	183	187	191	195	199	203	207	211	215		ERR EST.
R 61.0	178	182	186	190	194	198	202	206	210			10.7
E 60.0	178	182	186	190	194	198	202	206				
59.0	178	182	186	189	193	197	201					VALUES
58.0	177	181	185	189	193	197						IN IN/10

TABLE XXXIV

REGRESSION ESTIMATES BASED ON COMBINATIONS OF WEIGHT AND STATURE

---WEIGHT IN KILOGRAMS + STATURE IN CENTIMETERS---

ESTIMATES OF BACK CURVATURE — NO. 84

WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
178.0						423	434	445	456	467	478	MULTIPLE
175.0					414	425	436	447	458	469	480	CORRELA-
S 172.0				405	416	427	438	449	460	471	482	TION
T 169.0			396	407	418	429	440	451	462	473	484	.615
A 166.0		387	398	409	420	431	442	453	464	474	485	
T 163.0		389	400	411	422	433	444	455	465	476		STANDARD
U 160.0	380	391	402	413	424	435	445	456	467	478		ERR EST.
R 157.0	382	393	404	415	426	436	447	458	469			24.1
E 154.0	384	395	406	416	427	438	449	460				
151.0	386	397	407	418	429	440	451					VALUES
148.0	387	398	409	420	431	442						IN MM

ESTIMATES OF WAIST BACK — NO. 85

WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
178.0						440	440	439	439	439	439	MULTIPLE
175.0					433	433	433	433	433	432	432	CORRELA-
S 172.0				427	427	427	426	426	426	426	426	TION
T 169.0			421	420	420	420	420	420	419	419	419	.586
A 166.0		414	414	414	414	413	413	413	413	413	412	
T 163.0		408	408	407	407	407	407	406	406	406		STANDARD
U 160.0	401	401	401	401	400	400	400	400	400	399		ERR EST.
R 157.0	395	395	394	394	394	394	393	393	393			18.0
E 154.0	388	388	388	388	387	387	387	387				
151.0	382	381	381	381	381	380	380					VALUES
148.0	375	375	375	374	374	374						IN MM

ESTIMATES OF ANTERIOR WAIST LENGTH — NO. 86

WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
178.0						355	358	361	364	367	370	MULTIPLE
175.0					349	352	355	358	361	364	367	CORRELA-
S 172.0				343	346	349	352	355	358	361	364	TION
T 169.0			336	340	343	346	349	352	355	358	362	.523
A 166.0		330	334	337	340	343	346	349	352	355	359	
T 163.0		328	331	334	337	340	343	346	349	353		STANDARD
U 160.0	321	325	328	331	334	337	340	343	347	350		ERR EST.
R 157.0	319	322	325	328	331	334	337	340	344			16.7
E 154.0	316	319	322	325	328	331	334	338				
151.0	313	316	319	322	325	328	332					VALUES
148.0	310	313	316	319	322	325						IN MM

TABLE XXXIV

REGRESSION ESTIMATES BASED ON COMBINATIONS OF WEIGHT AND STATURE

---WEIGHT IN POUNDS + STATURE IN INCHES---

ESTIMATES OF BACK CURVATURE — NO. 84

WEIGHT	90	100	110	120	130	140	150	160	170	180	190	POUNDS
68.0						170	174	179	184	189	194	MULTIPLE
67.0					165	170	175	180	185	190	195	CORRELA-
S 66.0				161	166	171	176	181	185	190	195	TION
T 65.0			157	162	167	171	176	181	186	191	196	.615
A 64.0		153	157	162	167	172	177	182	187	192	196	
T 63.0		153	158	163	168	173	178	182	187	192		STANDARD
U 62.0	149	154	159	164	168	173	178	183	188	193		ERR EST.
R 61.0	150	154	159	164	169	174	179	184	189			9.5
E 60.0	150	155	160	165	170	175	179	184				
59.0	151	156	161	165	170	175	180					VALUES
58.0	151	156	161	166	171	176						IN IN/10

ESTIMATES OF WAIST BACK — NO. 85

WEIGHT	90	100	110	120	130	140	150	160	170	180	190	POUNDS
68.0						169	168	168	168	168	168	MULTIPLE
67.0					166	166	166	166	166	166	166	CORRELA-
S 66.0				164	164	164	164	164	164	164	164	TION
T 65.0			162	162	162	162	162	162	162	162	161	.586
A 64.0		160	160	160	160	160	160	160	159	159	159	
T 63.0		158	158	158	158	158	157	157	157	157		STANDARD
U 62.0	156	156	156	156	155	155	155	155	155	155		ERR EST.
R 61.0	154	154	153	153	153	153	153	153	153			7.1
E 60.0	151	151	151	151	151	151	151	151				
59.0	149	149	149	149	149	149	149					VALUES
58.0	147	147	147	147	147	147						IN IN/10

ESTIMATES OF ANTERIOR WAIST LENGTH — NO. 86

WEIGHT	90	100	110	120	130	140	150	160	170	180	190	POUNDS
68.0						138	139	141	142	144	145	MULTIPLE
67.0					136	137	138	140	141	143	144	CORRELA-
S 66.0				133	135	136	138	139	140	142	143	TION
T 65.0			131	132	134	135	137	138	139	141	142	.523
A 64.0		129	130	131	133	134	136	137	138	140	141	
T 63.0		128	129	130	132	133	135	136	137	139		STANDARD
U 62.0	125	127	128	129	131	132	134	135	136	138		ERR EST.
R 61.0	124	126	127	128	130	131	133	134	135			6.6
E 60.0	123	125	126	127	129	130	132	133				
59.0	122	124	125	127	128	129	131					VALUES
58.0	121	123	124	126	127	128						IN IN/10

TABLE XXXIV

REGRESSION ESTIMATES BASED ON COMBINATIONS OF WEIGHT AND STATURE

---WEIGHT IN KILOGRAMS + STATURE IN CENTIMETERS---

ESTIMATES OF SLEEVE INSEAM — NO. 87

WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
178.0						489	487	486	484	483	481	MULTIPLE
175.0					481	480	478	476	475	473	472	CORRELA-
S 172.0				474	472	470	469	467	466	464	462	TION
T 169.0			466	464	463	461	459	458	456	455	453	.715
A 166.0		458	456	455	453	452	450	448	447	445	444	
T 163.0		449	447	446	444	442	441	439	438	436		STANDARD
U 160.0	441	439	438	436	435	433	431	430	428	427		ERR EST.
R 157.0	432	430	428	427	425	424	422	421	419			16.9
E 154.0	422	421	419	418	416	414	413	411				
151.0	413	411	410	408	407	405	403					VALUES
148.0	404	402	400	399	397	396						IN MM

ESTIMATES OF SPINE-TO-SCYE LENGTH (SLEEVE LENGTH SEGMENT) — NO. 88

WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
178.0						208	211	214	217	220	223	MULTIPLE
175.0					205	208	211	214	217	220	223	CORRELA-
S 172.0				202	205	208	211	214	217	220	223	TION
T 169.0			199	202	205	208	210	213	216	219	222	.431
A 166.0		195	198	201	204	207	210	213	216	219	222	
T 163.0		195	198	201	204	207	210	213	216	219		STANDARD
U 160.0	192	195	198	201	204	207	210	213	215	218		ERR EST.
R 157.0	192	195	198	200	203	206	209	212	215			12.2
E 154.0	191	194	197	200	203	206	209	212				
151.0	191	194	197	200	203	206	209					VALUES
148.0	191	194	197	200	203	206						IN MM

ESTIMATES OF SPINE-TO-ELBOW LENGTH (SLEEVE LENGTH SEGMENT) — NO. 89

WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
178.0						571	574	578	582	585	589	MULTIPLE
175.0					561	564	568	572	575	579	583	CORRELA-
S 172.0				551	554	558	562	565	569	573	577	TION
T 169.0			541	544	548	552	555	559	563	567	570	.722
A 166.0		531	534	538	542	545	549	553	557	560	564	
T 163.0		524	528	532	535	539	543	546	550	554		STANDARD
U 160.0	514	518	522	525	529	533	536	540	544	548		ERR EST.
R 157.0	508	512	515	519	523	526	530	534	538			16.6
E 154.0	502	505	509	513	516	520	524	528				
151.0	495	499	503	506	510	514	518					VALUES
148.0	489	493	496	500	504	507						IN MM

TABLE XXXIV

REGRESSION ESTIMATES BASED ON COMBINATIONS OF WEIGHT AND STATURE

---WEIGHT IN POUNDS + STATURE IN INCHES---

ESTIMATES OF SLEEVE INSEAM — NO. 87

WEIGHT	90	100	110	120	130	140	150	160	170	180	190	POUNDS
68.0						186	185	184	184	183	182	MULTIPLE
67.0					183	183	182	181	181	180	179	CORRELA-
S 66.0				181	180	180	179	178	177	177	176	TION
T 65.0			179	178	177	176	176	175	174	174	173	.715
A 64.0		176	176	175	174	173	173	172	171	171	170	
T 63.0		173	172	172	171	170	170	169	168	167		STANDARD
U 62.0	171	170	169	169	168	167	166	166	165	164		ERR EST.
R 61.0	168	167	166	165	165	164	163	163	162			6.6
E 60.0	164	164	163	162	162	161	160	160				
59.0	161	161	160	159	159	158	157					VALUES
58.0	158	158	157	156	155	155						IN IN/10

ESTIMATES OF SPINE-TO-SCYE LENGTH (SLEEVE LENGTH SEGMENT) — NO. 88

WEIGHT	90	100	110	120	130	140	150	160	170	180	190	POUNDS
68.0						82	84	85	86	88	89	MULTIPLE
67.0					81	82	83	85	86	87	89	CORRELA-
S 66.0				79	81	82	83	85	86	87	89	TION
T 65.0			78	79	81	82	83	85	86	87	89	.431
A 64.0		77	78	79	81	82	83	85	86	87	88	
T 63.0		77	78	79	80	82	83	84	86	87		STANDARD
U 62.0	75	76	78	79	80	82	83	84	86	87		ERR EST.
R 61.0	75	76	78	79	80	82	83	84	86			4.8
E 60.0	75	76	78	79	80	82	83	84				
59.0	75	76	77	79	80	81	83					VALUES
58.0	75	76	77	79	80	81						IN IN/10

ESTIMATES OF SPINE-TO-ELBOW LENGTH (SLEEVE LENGTH SEGMENT) — NO. 89

WEIGHT	90	100	110	120	130	140	150	160	170	180	190	POUNDS
68.0						221	222	224	226	227	229	MULTIPLE
67.0					217	219	220	222	224	225	227	CORRELA-
S 66.0				213	215	217	218	220	222	223	225	TION
T 65.0			210	211	213	215	216	218	219	221	223	.722
A 64.0		206	207	209	211	212	214	216	217	219	221	
T 63.0		204	205	207	209	210	212	214	215	217		STANDARD
U 62.0	200	202	203	205	207	208	210	212	213	215		ERR EST.
R 61.0	198	199	201	203	204	206	208	209	211			6.6
E 60.0	196	197	199	201	202	204	206	207				
59.0	194	195	197	199	200	202	204					VALUES
58.0	192	193	195	196	198	200						IN IN/10

TABLE XXXIV

REGRESSION ESTIMATES BASED ON COMBINATIONS OF WEIGHT AND STATURE

---WEIGHT IN KILOGRAMS + STATURE IN CENTIMETERS---

ESTIMATES OF SPINE-TO-WRIST LENGTH (SLEEVE LENGTH SEGMENT) NO. 90

WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
178.0						856	860	864	868	872	876	MULTIPLE
175.0					842	846	850	854	858	862	866	CORRELA-
S 172.0				827	831	835	839	843	847	851	855	TION
T 169.0			812	816	820	824	828	832	836	841	845	.782
A 166.0		798	802	806	810	814	818	822	826	830	834	
T 163.0		787	791	795	799	803	807	811	815	819		STANDARD
U 160.0	773	777	781	785	789	793	797	801	805	809		ERR EST.
R 157.0	762	766	770	774	778	782	786	790	794			20.7
E 154.0	752	756	760	764	768	772	776	780				
151.0	741	745	749	753	757	761	765					VALUES
148.0	730	734	738	743	747	751						IN MM

ESTIMATES OF HAND LENGTH NO. 91

WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
178.0						198	199	199	200	200	201	MULTIPLE
175.0					195	196	196	197	197	198	198	CORRELA-
S 172.0				192	193	193	194	194	194	195	195	TION
T 169.0			189	190	190	190	191	191	192	192	193	.606
A 166.0		186	186	187	187	188	188	189	189	190	190	
T 163.0		183	184	184	185	185	186	186	186	187		STANDARD
U 160.0	180	181	181	182	182	182	183	183	184	184		ERR EST.
R 157.0	178	178	178	179	179	180	180	181	181			7.6
E 154.0	175	175	176	176	177	177	178	178				
151.0	172	173	173	174	174	174	175					VALUES
148.0	170	170	170	171	171	172						IN MM

ESTIMATES OF HAND BREADTH NO. 92

WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
178.0						78	79	80	80	81	82	MULTIPLE
175.0					77	78	79	79	80	81	81	CORRELA-
S 172.0				76	77	78	78	79	79	80	81	TION
T 169.0			75	76	77	77	78	78	79	80	80	.457
A 166.0		74	75	76	76	77	77	78	79	79	80	
T 163.0		74	74	75	76	76	77	78	78	79		STANDARD
U 160.0	73	73	74	75	75	76	77	77	78	78		ERR EST.
R 157.0	72	73	74	74	75	75	76	77	77			3.5
E 154.0	72	73	73	74	74	75	76	76				
151.0	72	72	73	73	74	75	75					VALUES
148.0	71	72	72	73	74	74						IN MM

TABLE XXXIV

REGRESSION ESTIMATES BASED ON COMBINATIONS OF WEIGHT AND STATURE

---WEIGHT IN POUNDS + STATURE IN INCHES---

ESTIMATES OF SPINE-TO-WRIST LENGTH (SLEEVE LENGTH SEGMENT) NO. 90

STATURE	WEIGHT 90	100	110	120	130	140	150	160	170	180	190
68.0						330	332	334	336	338	339
67.0					325	327	329	330	332	334	336
66.0				320	322	323	325	327	329	330	332
65.0			314	316	318	320	322	323	325	327	329
64.0		309	311	313	314	316	318	320	322	323	325
63.0		306	307	309	311	313	315	316	318	320	
62.0	300	302	304	306	307	309	311	313	315	316	
61.0	297	299	300	302	304	306	307	309	311		
60.0	293	295	297	299	300	302	304	306			
59.0	290	291	293	295	297	299	300				
58.0	286	288	290	292	293	295					

MULTIPLE CORRELATION .782

STANDARD ERR EST. 8.1

VALUES IN IN/10

ESTIMATES OF HAND LENGTH NO. 91

STATURE	WEIGHT 90	100	110	120	130	140	150	160	170	180	190
68.0						76	77	77	77	77	77
67.0					75	75	76	76	76	76	76
66.0				74	74	75	75	75	75	75	76
65.0			73	73	73	74	74	74	74	74	75
64.0		72	72	72	73	73	73	73	73	74	74
63.0		71	71	72	72	72	72	72	73	73	
62.0	70	70	70	71	71	71	71	71	72	72	
61.0	69	69	70	70	70	70	70	71	71		
60.0	68	68	69	69	69	69	69	70			
59.0	67	68	68	68	68	68	69				
58.0	66	67	67	67	67	67					

MULTIPLE CORRELATION .606

STANDARD ERR EST. 3.0

VALUES IN IN/10

ESTIMATES OF HAND BREADTH NO. 92

STATURE	WEIGHT 90	100	110	120	130	140	150	160	170	180	190
68.0						31	31	31	32	32	32
67.0					30	31	31	31	31	32	32
66.0				30	30	30	31	31	31	32	32
65.0			29	30	30	30	31	31	31	31	32
64.0		29	29	30	30	30	30	31	31	31	32
63.0		29	29	29	30	30	30	31	31	31	
62.0	28	29	29	29	30	30	30	30	31	31	
61.0	28	29	29	29	29	30	30	30	31		
60.0	28	28	29	29	29	30	30	30			
59.0	28	28	29	29	29	29	30				
58.0	28	28	28	29	29	29					

MULTIPLE CORRELATION .457

STANDARD ERR EST. 1.4

VALUES IN IN/10

TABLE XXXIV

REGRESSION ESTIMATES BASED ON COMBINATIONS OF WEIGHT AND STATURE

---WEIGHT IN KILOGRAMS + STATURE IN CENTIMETERS---

ESTIMATES OF HAND CIRCUMFERENCE — NO. 93

WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
178.0						189	191	193	195	197	199	MULTIPLE
175.0					186	188	190	192	194	196	198	CORRELA-
S 172.0				183	185	187	190	192	194	196	198	TION
T 169.0			181	183	185	187	189	191	193	195	197	.509
A 166.0		178	180	182	184	186	188	190	192	194	196	
T 163.0		177	179	182	184	186	188	190	192	194		STANDARD
U 160.0	175	177	179	181	183	185	187	189	191	193		ERR EST.
R 157.0	174	176	178	180	182	184	186	188	190			7.8
E 154.0	174	176	178	180	182	184	186	188				
151.0	173	175	177	179	181	183	185					VALUES
148.0	172	174	176	178	180	182						IN MM

ESTIMATES OF FOOT LENGTH — NO. 94

WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
178.0						259	261	262	263	264	265	MULTIPLE
175.0					255	256	257	259	260	261	262	CORRELA-
S 172.0				250	252	253	254	255	256	258	259	TION
T 169.0			246	247	248	250	251	252	253	254	256	.712
A 166.0		242	243	244	245	246	247	249	250	251	252	
T 163.0		238	239	241	242	243	244	245	247	248		STANDARD
U 160.0	234	235	236	237	238	240	241	242	243	244		ERR EST.
R 157.0	230	232	233	234	235	236	238	239	240			7.9
E 154.0	227	228	229	231	232	233	234	235				
151.0	224	225	226	227	229	230	231					VALUES
148.0	221	222	223	224	225	226						IN MM

ESTIMATES OF FOOT BREADTH — NO. 95

WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
178.0						92	93	94	94	95	96	MULTIPLE
175.0					91	92	92	93	94	95	95	CORRELA-
S 172.0				90	90	91	92	93	93	94	95	TION
T 169.0			88	89	90	91	91	92	93	94	94	.429
A 166.0		87	88	89	89	90	91	92	92	93	94	
T 163.0		87	87	88	89	90	90	91	92	93		STANDARD
U 160.0	85	86	87	88	88	89	90	91	91	92		ERR EST.
R 157.0	85	86	86	87	88	89	89	90	91			4.5
E 154.0	84	85	86	87	87	88	89	90				
151.0	84	85	85	86	87	88	88					VALUES
148.0	83	84	85	86	86	87						IN MM

TABLE XXXIV

REGRESSION ESTIMATES BASED ON COMBINATIONS OF WEIGHT AND STATURE

---WEIGHT IN POUNDS + STATURE IN INCHES---

ESTIMATES OF HAND CIRCUMFERENCE — NO. 93

WEIGHT	90	100	110	120	130	140	150	160	170	180	190	
68.0						74	75	76	77	78	79	MULTIPLE
67.0					73	74	75	76	77	78	78	CORRELA-
S 66.0				72	73	74	75	76	76	77	78	TION
T 65.0			71	72	73	74	74	75	76	77	78	.509
A 64.0		70	71	72	72	73	74	75	76	77	78	
T 63.0		69	70	71	72	73	74	75	76	77		STANDARD
U 62.0	68	69	70	71	72	73	74	75	76	77		ERR EST.
R 61.0	68	69	70	71	72	73	74	74	75			3.1
E 60.0	68	69	70	71	72	72	73	74				
59.0	68	69	70	70	71	72	73					VALUES
58.0	68	68	69	70	71	72						IN IN/10

ESTIMATES OF FOOT LENGTH — NO. 94

WEIGHT	90	100	110	120	130	140	150	160	170	180	190	
68.0						100	101	101	102	102	103	MULTIPLE
67.0					98	99	99	100	101	101	102	CORRELA-
S 66.0				97	97	98	98	99	99	100	100	TION
T 65.0			95	96	96	97	97	98	98	99	99	.712
A 64.0		94	94	95	95	96	96	97	97	98	98	
T 63.0		92	93	93	94	95	95	96	96	97		STANDARD
U 62.0	91	91	92	92	93	93	94	94	95	96		ERR EST.
R 61.0	90	90	91	91	92	92	93	93	94			3.1
E 60.0	89	89	90	90	91	91	92	92				
59.0	87	88	89	89	90	90	91					VALUES
58.0	86	87	87	88	89	89						IN IN/10

ESTIMATES OF FOOT BREADTH — NO. 95

WEIGHT	90	100	110	120	130	140	150	160	170	180	190	
68.0						36	36	37	37	37	38	MULTIPLE
67.0					36	36	36	37	37	37	38	CORRELA-
S 66.0				35	35	36	36	36	37	37	37	TION
T 65.0			35	35	35	36	36	36	37	37	37	.429
A 64.0		34	34	35	35	35	36	36	36	37	37	
T 63.0		34	34	35	35	35	36	36	36	37		STANDARD
U 62.0	33	34	34	34	35	35	35	36	36	36		ERR EST.
R 61.0	33	34	34	34	35	35	35	36	36			1.8
E 60.0	33	33	34	34	34	35	35	35				
59.0	33	33	34	34	34	35	35					VALUES
58.0	33	33	33	34	34	34						IN IN/10

TABLE XXXIV

REGRESSION ESTIMATES BASED ON COMBINATIONS OF WEIGHT AND STATURE

---WEIGHT IN KILOGRAMS + STATURE IN CENTIMETERS---

ESTIMATES OF HEAD LENGTH — NO. 96

WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
178.0						189	189	190	191	191	192	MULTIPLE
175.0					187	188	189	189	190	191	191	CORRELA-
S 172.0				186	187	187	188	189	189	190	191	TION
T 169.0			185	185	186	187	187	188	189	189	190	.356
A 166.0		183	184	184	185	186	186	187	188	189	189	
T 163.0		182	183	184	184	185	186	186	187	188		STANDARD
U 160.0	181	182	182	183	184	184	185	186	186	187		ERR EST.
R 157.0	180	181	182	182	183	184	184	185	186			6.3
E 154.0	179	180	181	181	182	183	184	184				
151.0	179	179	180	181	181	182	183					VALUES
148.0	178	179	179	180	181	181						IN MM

ESTIMATES OF HEAD BREADTH — NO. 97

WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
178.0						146	147	148	149	150	151	MULTIPLE
175.0					145	146	147	148	149	150	151	CORRELA-
S 172.0				144	145	146	147	148	149	150	151	TION
T 169.0			143	144	145	146	147	148	149	150	151	.290
A 166.0		142	143	144	145	146	147	148	149	150	151	
T 163.0		142	143	144	145	146	147	148	149	150		STANDARD
U 160.0	141	142	143	144	145	146	147	148	149	150		ERR EST.
R 157.0	142	142	143	144	145	146	147	148	149			5.7
E 154.0	142	143	144	144	145	146	147	148				
151.0	142	143	144	145	146	146	147					VALUES
148.0	142	143	144	145	146	147						IN MM

ESTIMATES OF HEAD CIRCUMFERENCE — NO. 98

WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
178.0						559	561	564	567	570	572	MULTIPLE
175.0					555	557	560	563	565	568	571	CORRELA-
S 172.0				550	553	556	559	561	564	567	570	TION
T 169.0			546	549	552	555	557	560	563	566	568	.426
A 166.0		542	545	548	551	553	556	559	562	564	567	
T 163.0		541	544	547	549	552	555	557	560	563		STANDARD
U 160.0	537	540	542	545	548	551	553	556	559	562		ERR EST.
R 157.0	536	538	541	544	547	549	552	555	558			14.7
E 154.0	534	537	540	543	545	548	551	554				
151.0	533	536	539	541	544	547	549					VALUES
148.0	532	534	537	540	543	545						IN MM

TABLE XXXIV

REGRESSION ESTIMATES BASED ON COMBINATIONS OF WEIGHT AND STATURE

---WEIGHT IN POUNDS + STATURE IN INCHES---

ESTIMATES OF HEAD LENGTH — NO. 96

STATURE	WEIGHT 90	100	110	120	130	140	150	160	170	180	190	
68.0						74	74	75	75	75	75	MULTIPLE
67.0					73	74	74	74	75	75	75	CORRELA-
66.0				73	73	73	74	74	74	75	75	TION
65.0			72	73	73	73	73	74	74	74	75	.356
64.0		72	72	72	73	73	73	74	74	74	74	
63.0		71	72	72	72	73	73	73	74	74		STANDARD
62.0	71	71	72	72	72	72	73	73	73	74		ERR EST.
61.0	71	71	71	72	72	72	72	73	73			2.5
60.0	70	71	71	71	72	72	72	73				
59.0	70	70	71	71	71	72	72					VALUES
58.0	70	70	71	71	71	71						IN IN/10

ESTIMATES OF HEAD BREADTH — NO. 97

STATURE	WEIGHT 90	100	110	120	130	140	150	160	170	180	190	
68.0						58	58	58	59	59	60	MULTIPLE
67.0					57	58	58	58	59	59	60	CORRELA-
66.0				57	57	58	58	59	59	59	60	TION
65.0			56	57	57	58	58	59	59	59	60	.290
64.0		56	56	57	57	58	58	59	59	59	60	
63.0		56	56	57	57	58	58	59	59	59		STANDARD
62.0	56	56	56	57	57	58	58	59	59	59		ERR EST.
61.0	56	56	56	57	57	58	58	59	59			2.2
60.0	56	56	57	57	57	58	58	59				
59.0	56	56	57	57	57	58	58					VALUES
58.0	56	56	57	57	57	58						IN IN/10

ESTIMATES OF HEAD CIRCUMFERENCE — NO. 98

STATURE	WEIGHT 90	100	110	120	130	140	150	160	170	180	190	
68.0						219	221	222	223	224	226	MULTIPLE
67.0					218	219	220	221	223	224	225	CORRELA-
66.0				216	217	219	220	221	222	223	225	TION
65.0			214	216	217	218	219	221	222	223	224	.426
64.0		213	214	215	216	218	219	220	221	223	224	
63.0		212	214	215	216	217	218	220	221	222		STANDARD
62.0	211	212	213	214	216	217	218	219	220	222		ERR EST.
61.0	210	211	213	214	215	216	218	219	220			5.8
60.0	210	211	212	213	215	216	217	218				
59.0	209	211	212	213	214	215	217					VALUES
58.0	209	210	211	213	214	215						IN IN/10

TABLE XXXIV

REGRESSION ESTIMATES BASED ON COMBINATIONS OF WEIGHT AND STATURE

---WEIGHT IN KILOGRAMS + STATURE IN CENTIMETERS---

ESTIMATES OF TRAGION TO TOP OF HEAD — NO. 99

WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
178.0						131	132	132	133	133	134	MULTIPLE
175.0					130	131	131	132	132	133	133	CORRELA-
S 172.0				129	130	130	131	131	132	132	133	TION
T 169.0			128	128	129	129	130	130	131	131	132	.267
A 166.0		127	127	128	128	129	129	130	130	131	131	
T 163.0		126	126	127	127	128	129	129	130	130		STANDARD
U 160.0	125	125	126	126	127	127	128	128	129	129		ERR EST.
R 157.0	124	125	125	126	126	127	127	128	128			7.4
E 154.0	123	124	124	125	125	126	127	127				
151.0	123	123	124	124	125	125	126					VALUES
148.0	122	123	123	124	124	125						IN MM

ESTIMATES OF ECTOCANTHUS TO TOP OF HEAD — NO. 100

WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
178.0						123	123	124	124	124	124	MULTIPLE
175.0					122	122	122	123	123	123	123	CORRELA-
S 172.0				120	121	121	121	122	122	122	122	TION
T 169.0			119	120	120	120	120	121	121	121	122	.241
A 166.0		118	118	119	119	119	119	120	120	120	121	
T 163.0		117	117	118	118	118	119	119	119	119		STANDARD
U 160.0	116	116	116	117	117	117	118	118	118	118		ERR EST.
R 157.0	115	115	115	116	116	116	117	117	117			8.9
E 154.0	114	114	115	115	115	115	116	116				
151.0	113	113	114	114	114	114	115					VALUES
148.0	112	112	113	113	113	114						IN MM

ESTIMATES OF PRONASALE TO TOP OF HEAD — NO. 101

WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
178.0						155	155	155	155	155	156	MULTIPLE
175.0					153	153	154	154	154	154	154	CORRELA-
S 172.0				152	152	152	152	152	153	153	153	TION
T 169.0			150	151	151	151	151	151	151	151	152	.241
A 166.0		149	149	149	149	149	150	150	150	150	150	
T 163.0		148	148	148	148	148	148	148	149	149		STANDARD
U 160.0	146	146	146	147	147	147	147	147	147	147		ERR EST.
R 157.0	145	145	145	145	145	146	146	146	146			11.4
E 154.0	143	144	144	144	144	144	144	144				
151.0	142	142	142	143	143	143	143					VALUES
148.0	141	141	141	141	141	142						IN MM

TABLE XXXIV

REGRESSION ESTIMATES BASED ON COMBINATIONS OF WEIGHT AND STATURE

---WEIGHT IN POUNDS + STATURE IN INCHES---

ESTIMATES OF TRAGION TO TOP OF HEAD — NO. 99

WEIGHT	90	100	110	120	130	140	150	160	170	180	190
68.0						51	52	52	52	52	52
67.0					51	51	51	52	52	52	52
66.0				50	51	51	51	51	52	52	52
65.0			50	50	50	51	51	51	51	52	52
64.0		50	50	50	50	50	51	51	51	51	52
63.0		49	50	50	50	50	50	51	51	51	
62.0	49	49	49	50	50	50	50	50	51	51	
61.0	49	49	49	49	50	50	50	50	50		
60.0	48	49	49	49	49	50	50	50			
59.0	48	48	49	49	49	49	50				
58.0	48	48	48	49	49	49					

STATURE

MULTIPLE CORRELATION .267

STANDARD ERR EST. 2.9

VALUES IN IN/10

ESTIMATES OF ECTOCANTHUS TO TOP OF HEAD — NO. 100

WEIGHT	90	100	110	120	130	140	150	160	170	180	190
68.0						48	48	48	48	48	48
67.0					47	47	48	48	48	48	48
66.0				47	47	47	47	47	48	48	48
65.0			46	47	47	47	47	47	47	47	47
64.0		46	46	46	46	47	47	47	47	47	47
63.0		46	46	46	46	46	46	46	47	47	
62.0	45	45	46	46	46	46	46	46	46	46	
61.0	45	45	45	45	45	46	46	46	46		
60.0	45	45	45	45	45	45	45	46			
59.0	44	44	45	45	45	45	45				
58.0	44	44	44	44	45	45					

STATURE

MULTIPLE CORRELATION .241

STANDARD ERR EST. 3.5

VALUES IN IN/10

ESTIMATES OF PRONASALE TO TOP OF HEAD — NO. 101

WEIGHT	90	100	110	120	130	140	150	160	170	180	190
68.0						60	60	60	60	60	60
67.0					60	60	60	60	60	60	60
66.0				59	59	59	59	59	59	59	60
65.0			59	59	59	59	59	59	59	59	59
64.0		58	58	58	58	58	58	58	58	59	59
63.0		58	58	58	58	58	58	58	58	58	
62.0	57	57	57	57	57	57	57	58	58	58	
61.0	57	57	57	57	57	57	57	57	57		
60.0	56	56	56	56	56	57	57	57			
59.0	56	56	56	56	56	56	56				
58.0	55	55	55	55	56	56					

STATURE

MULTIPLE CORRELATION .241

STANDARD ERR EST. 4.5

VALUES IN IN/10

TABLE XXXIV

REGRESSION ESTIMATES BASED ON COMBINATIONS OF WEIGHT AND STATURE

---WEIGHT IN KILOGRAMS + STATURE IN CENTIMETERS---

ESTIMATES OF SUBNASALE TO TOP OF HEAD — NO. 102

WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
178.0						167	167	168	168	168	168	MULTIPLE
175.0					165	166	166	166	166	167	167	CORRELA-
S 172.0				164	164	164	164	165	165	165	165	TION
T 169.0			162	162	162	163	163	163	163	164	164	.289
A 166.0		160	161	161	161	161	162	162	162	162	163	
T 163.0		159	159	159	160	160	160	160	161	161		STANDARD
U 160.0	157	157	158	158	158	158	159	159	159	159		ERR EST.
R 157.0	156	156	156	156	157	157	157	157	158			10.5
E 154.0	154	154	155	155	155	155	156	156				
151.0	153	153	153	154	154	154	154					VALUES
148.0	151	152	152	152	152	153						IN MM

ESTIMATES OF STOMION TO TOP OF HEAD — NO. 103

WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
178.0						187	187	187	187	188	188	MULTIPLE
175.0					185	185	185	186	186	186	186	CORRELA-
S 172.0				183	183	184	184	184	184	185	185	TION
T 169.0			181	182	182	182	182	183	183	183	183	.296
A 166.0		180	180	180	180	181	181	181	181	181	182	
T 163.0		178	178	178	179	179	179	179	180	180		STANDARD
U 160.0	176	176	177	177	177	177	178	178	178	178		ERR EST.
R 157.0	175	175	175	175	176	176	176	176	177			10.7
E 154.0	173	173	174	174	174	174	175	175				
151.0	172	172	172	172	173	173	173					VALUES
148.0	170	170	171	171	171	171						IN MM

ESTIMATES OF MENTON TO TOP OF HEAD — NO. 104

WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
178.0						229	230	230	231	232	232	MULTIPLE
175.0					226	227	228	229	229	230	231	CORRELA-
S 172.0				224	225	225	226	227	227	228	229	TION
T 169.0			222	222	223	224	224	225	226	226	227	.372
A 166.0		219	220	221	221	222	223	223	224	225	225	
T 163.0		218	218	219	220	220	221	222	222	223		STANDARD
U 160.0	215	216	217	217	218	219	219	220	221	221		ERR EST.
R 157.0	213	214	215	216	216	217	218	218	219			10.6
E 154.0	212	212	213	214	215	215	216	217				
151.0	210	211	211	212	213	214	214					VALUES
148.0	208	209	210	210	211	212						IN MM

TABLE XXXIV

REGRESSION ESTIMATES BASED ON COMBINATIONS OF WEIGHT AND STATURE

---WEIGHT IN POUNDS + STATURE IN INCHES---

ESTIMATES OF SUBNASALE TO TOP OF HEAD — NO. 102

WEIGHT	90	100	110	120	130	140	150	160	170	180	190	
68.0						65	65	65	65	65	65	MULTIPLE
67.0					64	64	64	65	65	65	65	CORRELA-
S 66.0				64	64	64	64	64	64	64	64	TION
T 65.0			63	63	63	63	63	64	64	64	64	.289
A 64.0		62	63	63	63	63	63	63	63	63	63	
T 63.0		62	62	62	62	62	63	63	63	63		STANDARD
U 62.0	61	61	62	62	62	62	62	62	62	62		ERR EST.
R 61.0	61	61	61	61	61	61	62	62	62			4.1
E 60.0	60	61	61	61	61	61	61	61				
59.0	60	60	60	60	60	60	61					VALUES
58.0	59	60	60	60	60	60						IN IN/10

ESTIMATES OF STOMION TO TOP OF HEAD — NO. 103

WEIGHT	90	100	110	120	130	140	150	160	170	180	190	
68.0						72	73	73	73	73	73	MULTIPLE
67.0					72	72	72	72	72	72	72	CORRELA-
S 66.0				71	71	71	72	72	72	72	72	TION
T 65.0			71	71	71	71	71	71	71	71	71	.296
A 64.0		70	70	70	70	70	71	71	71	71	71	
T 63.0		69	70	70	70	70	70	70	70	70		STANDARD
U 62.0	69	69	69	69	69	69	70	70	70	70		ERR EST.
R 61.0	68	68	69	69	69	69	69	69	69			4.2
E 60.0	68	68	68	68	68	68	68	69				
59.0	67	67	68	68	68	68	68					VALUES
58.0	67	67	67	67	67	67						IN IN/10

ESTIMATES OF MENTON TO TOP OF HEAD — NO. 104

WEIGHT	90	100	110	120	130	140	150	160	170	180	190	
68.0						89	89	90	90	90	91	MULTIPLE
67.0					88	88	89	89	89	90	90	CORRELA-
S 66.0				87	88	88	88	88	89	89	89	TION
T 65.0			86	87	87	87	88	88	88	89	89	.372
A 64.0		86	86	86	86	87	87	87	88	88	88	
T 63.0		85	85	86	86	86	86	87	87	87		STANDARD
U 62.0	84	84	85	85	85	86	86	86	87	87		ERR EST.
R 61.0	84	84	84	84	85	85	85	86	86			4.2
E 60.0	83	83	84	84	84	84	85	85				
59.0	82	83	83	83	84	84	84					VALUES
58.0	82	82	82	83	83	83						IN IN/10

TABLE XXXIV

REGRESSION ESTIMATES BASED ON COMBINATIONS OF WEIGHT AND STATURE

---WEIGHT IN KILOGRAMS + STATURE IN CENTIMETERS---

ESTIMATES OF TRAGION TO WALL — NO. 105

WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
178.0						105	106	106	107	108	108	MULTIPLE
175.0					104	104	105	106	107	107	108	CORRELA-
S 172.0				102	103	104	105	105	106	107	108	TION
T 169.0			101	102	103	104	104	105	106	106	107	.220
A 166.0		100	101	102	102	103	104	105	105	106	107	
T 163.0		100	100	101	102	103	103	104	105	106		STANDARD
U 160.0	99	99	100	101	101	102	103	104	104	105		ERR EST.
R 157.0	98	99	100	100	101	102	103	103	104			8.8
E 154.0	98	98	99	100	101	101	102	103				
151.0	97	98	99	99	100	101	102					VALUES
148.0	97	98	98	99	100	100						IN MM

ESTIMATES OF ECTOCANTHUS TO WALL — NO. 106

WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
178.0						168	169	170	172	173	174	MULTIPLE
175.0					166	167	169	170	171	172	173	CORRELA-
S 172.0				165	166	167	168	169	170	172	173	TION
T 169.0			163	164	165	166	167	169	170	171	172	.308
A 166.0		161	162	163	165	166	167	168	169	170	172	
T 163.0		160	162	163	164	165	166	167	169	170		STANDARD
U 160.0	159	160	161	162	163	165	166	167	168	169		ERR EST.
R 157.0	158	159	160	162	163	164	165	166	167			9.2
E 154.0	157	159	160	161	162	163	165	166				
151.0	157	158	159	160	162	163	164					VALUES
148.0	156	158	159	160	161	162						IN MM

ESTIMATES OF PRONASALE TO WALL — NO. 107

WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
178.0						217	218	220	221	222	224	MULTIPLE
175.0					215	216	218	219	220	222	223	CORRELA-
S 172.0				213	214	216	217	218	220	221	223	TION
T 169.0			211	212	213	215	216	218	219	220	222	.363
A 166.0		209	210	211	213	214	216	217	218	220	221	
T 163.0		208	209	211	212	214	215	216	218	219		STANDARD
U 160.0	206	207	209	210	212	213	214	216	217	219		ERR EST.
R 157.0	205	207	208	210	211	212	214	215	216			9.0
E 154.0	205	206	207	209	210	212	213	214				
151.0	204	205	207	208	210	211	212					VALUES
148.0	203	205	206	208	209	210						IN MM

TABLE XXXIV

REGRESSION ESTIMATES BASED ON COMBINATIONS OF WEIGHT AND STATURE

---WEIGHT IN POUNDS + STATURE IN INCHES---

ESTIMATES OF TRAGION TO WALL — NO. 105

WEIGHT	90	100	110	120	130	140	150	160	170	180	190	POUNDS
68.0						41	41	42	42	42	43	MULTIPLE
67.0					41	41	41	42	42	42	43	CORRELA-
S 66.0				40	40	41	41	41	42	42	42	TION
T 65.0			40	40	40	41	41	41	42	42	42	.220
A 64.0		39	40	40	40	40	41	41	41	42	42	
T 63.0		39	39	40	40	40	41	41	41	42		STANDARD
U 62.0	39	39	39	40	40	40	41	41	41	42		ERR EST.
R 61.0	38	39	39	39	40	40	40	41	41			3.5
E 60.0	38	39	39	39	40	40	40	41				
59.0	38	38	39	39	39	40	40					VALUES
58.0	38	38	39	39	39	40						IN IN/10

ESTIMATES OF ECTOCANTHUS TO WALL — NO. 106

WEIGHT	90	100	110	120	130	140	150	160	170	180	190	POUNDS
68.0						66	66	67	67	68	69	MULTIPLE
67.0					65	66	66	67	67	68	68	CORRELA-
S 66.0				64	65	66	66	67	67	68	68	TION
T 65.0			64	64	65	65	66	66	67	67	68	.308
A 64.0		63	64	64	65	65	66	66	67	67	68	
T 63.0		63	63	64	64	65	65	66	67	67		STANDARD
U 62.0	62	63	63	64	64	65	65	66	66	67		ERR EST.
R 61.0	62	62	63	64	64	65	65	66	66			3.6
E 60.0	62	62	63	63	64	64	65	65				
59.0	62	62	63	63	64	64	65					VALUES
58.0	61	62	62	63	63	64						IN IN/10

ESTIMATES OF PRONASALE TO WALL — NO. 107

WEIGHT	90	100	110	120	130	140	150	160	170	180	190	POUNDS
68.0						85	86	86	87	88	88	MULTIPLE
67.0					84	85	86	86	87	87	88	CORRELA-
S 66.0				83	84	85	85	86	87	87	88	TION
T 65.0			83	83	84	84	85	86	86	87	88	.363
A 64.0		82	82	83	84	84	85	86	86	87	87	
T 63.0		82	82	83	83	84	85	85	86	87		STANDARD
U 62.0	81	81	82	83	83	84	84	85	86	86		ERR EST.
R 61.0	81	81	82	82	83	84	84	85	85			3.5
E 60.0	80	81	82	82	83	83	84	85				
59.0	80	81	81	82	83	83	84					VALUES
58.0	80	80	81	82	82	83						IN IN/10

TABLE XXXIV

REGRESSION ESTIMATES BASED ON COMBINATIONS OF WEIGHT AND STATURE

---WEIGHT IN KILOGRAMS + STATURE IN CENTIMETERS---

ESTIMATES OF SUBNASALE TO WALL — NO. 108

WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
178.0						200	202	203	205	206	207	MULTIPLE
175.0					199	200	201	203	204	206	207	CORRELA-
S 172.0				197	198	200	201	202	204	205	206	TION
T 169.0			195	196	198	199	201	202	203	205	206	.320
A 166.0		193	195	196	197	199	200	201	203	204	206	
T 163.0		193	194	195	197	198	200	201	202	204		STANDARD
U 160.0	191	192	194	195	196	198	199	201	202	203		ERR EST.
R 157.0	190	192	193	195	196	197	199	200	201			9.3
E 154.0	190	191	193	194	196	197	198	200				
151.0	190	191	192	194	195	196	198					VALUES
148.0	189	191	192	193	195	196						IN MM

ESTIMATES OF LIP PROTRUSION TO WALL — NO. 109

WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
178.0						195	197	198	200	201	203	MULTIPLE
175.0					194	195	197	198	199	201	202	CORRELA-
S 172.0				192	194	195	196	198	199	201	202	TION
T 169.0			191	192	193	195	196	198	199	201	202	.271
A 166.0		189	190	192	193	195	196	198	199	201	202	
T 163.0		189	190	192	193	195	196	197	199	200		STANDARD
U 160.0	187	189	190	192	193	194	196	197	199	200		ERR EST.
R 157.0	187	189	190	191	193	194	196	197	199			10.2
E 154.0	187	188	190	191	193	194	196	197				
151.0	187	188	190	191	193	194	195					VALUES
148.0	187	188	190	191	192	194						IN MM

ESTIMATES OF MENTON TO WALL — NO. 110

WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
178.0						182	184	186	189	191	193	MULTIPLE
175.0					181	183	185	187	189	191	193	CORRELA-
S 172.0				179	181	183	185	187	189	191	194	TION
T 169.0			177	179	182	184	186	188	190	192	194	.310
A 166.0		176	178	180	182	184	186	188	190	192	194	
T 163.0		176	178	180	182	184	187	189	191	193		STANDARD
U 160.0	174	177	179	181	183	185	187	189	191	193		ERR EST.
R 157.0	175	177	179	181	183	185	187	189	192			10.8
E 154.0	175	177	180	182	184	186	188	190				
151.0	176	178	180	182	184	186	188					VALUES
148.0	176	178	180	182	185	187						IN MM

TABLE XXXIV

REGRESSION ESTIMATES BASED ON COMBINATIONS OF WEIGHT AND STATURE

---WEIGHT IN POUNDS + STATURE IN INCHES---

ESTIMATES OF SUBNASALE TO WALL — NO. 108

WEIGHT	90	100	110	120	130	140	150	160	170	180	190	
68.0						79	79	80	81	81	82	MULTIPLE
67.0					78	79	79	80	81	81	82	CORRELA-
S 66.0				77	78	79	79	80	80	81	82	TION
T 65.0			77	77	78	78	79	80	80	81	81	.320
A 64.0		76	76	77	78	78	79	79	80	81	81	
T 63.0		76	76	77	77	78	79	79	80	81		STANDARD
U 62.0	75	75	76	77	77	78	79	79	80	80		ERR EST.
R 61.0	75	75	76	77	77	78	78	79	80			3.7
E 60.0	75	75	76	76	77	78	78	79				
59.0	74	75	76	76	77	77	78					VALUES
58.0	74	75	76	76	77	77						IN IN/10

ESTIMATES OF LIP PROTRUSION TO WALL — NO. 109

WEIGHT	90	100	110	120	130	140	150	160	170	180	190	
68.0						77	78	78	79	80	80	MULTIPLE
67.0					76	77	78	78	79	80	80	CORRELA-
S 66.0				76	76	77	78	78	79	79	80	TION
T 65.0			75	76	76	77	78	78	79	79	80	.271
A 64.0		74	75	76	76	77	77	78	79	79	80	
T 63.0		74	75	75	76	77	77	78	79	79		STANDARD
U 62.0	74	74	75	75	76	77	77	78	79	79		ERR EST.
R 61.0	73	74	75	75	76	77	77	78	79			4.0
E 60.0	73	74	75	75	76	77	77	78				
59.0	73	74	75	75	76	77	77					VALUES
58.0	73	74	75	75	76	77						IN IN/10

ESTIMATES OF MENTON TO WALL — NO. 110

WEIGHT	90	100	110	120	130	140	150	160	170	180	190	
68.0						72	73	74	75	76	77	MULTIPLE
67.0					72	73	73	74	75	76	77	CORRELA-
S 66.0				71	72	73	74	75	75	76	77	TION
T 65.0			70	71	72	73	74	75	76	77	77	.310
A 64.0		69	70	71	72	73	74	75	76	77	78	
T 63.0		69	70	71	72	73	74	75	76	77		STANDARD
U 62.0	69	70	70	71	72	73	74	75	76	77		ERR EST.
R 61.0	69	70	71	72	72	73	74	75	76			4.3
E 60.0	69	70	71	72	73	74	74	75				
59.0	69	70	71	72	73	74	75					VALUES
58.0	69	70	71	72	73	74						IN IN/10

TABLE XXXIV

REGRESSION ESTIMATES BASED ON COMBINATIONS OF WEIGHT AND STATURE

---WEIGHT IN KILOGRAMS + STATURE IN CENTIMETERS---

ESTIMATES OF SAGITTAL CURVATURE — NO. 111

WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
178.0						357	358	359	360	361	362	MULTIPLE
175.0					355	356	357	358	359	360	361	CORRELA-
S 172.0				352	353	354	355	356	357	358	359	TION
T 169.0			350	351	352	353	354	355	355	356	357	.298
A 166.0		347	348	349	350	351	352	353	354	355	356	
T 163.0		345	346	347	348	349	350	351	352	353		STANDARD
U 160.0	343	344	345	346	347	348	349	350	351	352		ERR EST.
R 157.0	341	342	343	344	345	346	347	348	349			14.2
E 154.0	340	341	342	343	344	345	346	347				
151.0	338	339	340	341	342	343	344					VALUES
148.0	337	338	339	340	340	341						IN MM

ESTIMATES OF BITRAGION-CORONAL CURVATURE — NO. 112

WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
178.0						345	347	349	351	353	354	MULTIPLE
175.0					343	345	346	348	350	352	354	CORRELA-
S 172.0				340	342	344	346	347	349	351	353	TION
T 169.0			338	339	341	343	345	347	348	350	352	.318
A 166.0		335	337	339	340	342	344	346	348	349	351	
T 163.0		334	336	338	340	341	343	345	347	349		STANDARD
U 160.0	332	333	335	337	339	341	342	344	346	348		ERR EST.
R 157.0	331	333	334	336	338	340	342	343	345			13.3
E 154.0	330	332	334	335	337	339	341	343				
151.0	329	331	333	335	336	338	340					VALUES
148.0	328	330	332	334	336	337						IN MM

ESTIMATES OF BIOCULAR BREADTH — NO. 113

WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
178.0						98	99	99	100	100	101	MULTIPLE
175.0					98	98	99	99	100	100	101	CORRELA-
S 172.0				97	98	98	98	99	99	100	100	TION
T 169.0			96	97	97	98	98	99	99	100	100	.247
A 166.0		96	96	97	97	98	98	99	99	99	100	
T 163.0		95	96	96	97	97	98	98	99	99		STANDARD
U 160.0	95	95	96	96	97	97	98	98	99	99		ERR EST.
R 157.0	94	95	95	96	96	97	97	98	98			4.8
E 154.0	94	95	95	96	96	97	97	98				
151.0	94	94	95	95	96	96	97					VALUES
148.0	94	94	95	95	96	96						IN MM

TABLE XXXIV

REGRESSION ESTIMATES BASED ON COMBINATIONS OF WEIGHT AND STATURE

---WEIGHT IN POUNDS + STATURE IN INCHES---

ESTIMATES OF SAGITTAL CURVATURE — NO. 111

WEIGHT	90	100	110	120	130	140	150	160	170	180	190	POUNDS
68.0						140	140	141	141	141	142	MULTIPLE
67.0					139	139	140	140	141	141	141	CORRELA-
S 66.0				138	138	139	139	140	140	140	141	TION
T 65.0			137	137	138	138	139	139	139	140	140	.298
A 64.0		136	136	137	137	138	138	138	139	139	140	
T 63.0		135	136	136	137	137	138	138	138	139		STANDARD
U 62.0	134	135	135	136	136	137	137	137	138	138		ERR EST.
R 61.0	134	134	135	135	136	136	136	137	137			5.6
E 60.0	133	134	134	135	135	135	136	136				
59.0	133	133	134	134	135	135	135					VALUES
58.0	132	133	133	134	134	134						IN IN/10

ESTIMATES OF BITRAGION-CORONAL CURVATURE — NO. 112

WEIGHT	90	100	110	120	130	140	150	160	170	180	190	POUNDS
68.0						136	137	137	138	139	140	MULTIPLE
67.0					135	135	136	137	138	139	139	CORRELA-
S 66.0				134	134	135	136	137	138	138	139	TION
T 65.0			132	133	134	135	136	137	137	138	139	.318
A 64.0		131	132	133	134	135	135	136	137	138	139	
T 63.0		131	132	133	134	134	135	136	137	138		STANDARD
U 62.0	130	131	132	132	133	134	135	136	137	137		ERR EST.
R 61.0	130	131	131	132	133	134	135	135	136			5.2
E 60.0	130	130	131	132	133	134	134	135				
59.0	129	130	131	132	132	133	134					VALUES
58.0	129	130	131	131	132	133						IN IN/10

ESTIMATES OF BIOCULAR BREADTH — NO. 113

WEIGHT	90	100	110	120	130	140	150	160	170	180	190	POUNDS
68.0						39	39	39	39	40	40	MULTIPLE
67.0					38	39	39	39	39	39	40	CORRELA-
S 66.0				38	38	39	39	39	39	39	40	TION
T 65.0			38	38	38	38	39	39	39	39	40	.247
A 64.0		38	38	38	38	38	39	39	39	39	39	
T 63.0		37	38	38	38	38	39	39	39	39		STANDARD
U 62.0	37	37	38	38	38	38	38	39	39	39		ERR EST.
R 61.0	37	37	37	38	38	38	38	39	39			1.9
E 60.0	37	37	37	38	38	38	38	38				
59.0	37	37	37	38	38	38	38					VALUES
58.0	37	37	37	37	38	38						IN IN/10

TABLE XXXIV

REGRESSION ESTIMATES BASED ON COMBINATIONS OF WEIGHT AND STATURE

---WEIGHT IN KILOGRAMS + STATURE IN CENTIMETERS---

ESTIMATES OF BIAURICULAR BREADTH — NO. 114

WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
178.0						161	162	163	164	164	165	MULTIPLE
175.0					159	160	161	162	163	164	165	CORRELA-
S 172.0				158	159	160	161	162	163	164	165	TION
T 169.0			157	158	159	160	161	162	163	164	165	.220
A 166.0		156	157	158	159	160	161	162	163	164	164	
T 163.0		156	157	158	158	159	160	161	162	163		STANDARD
U 160.0	154	155	156	157	158	159	160	161	162	163		ERR EST.
R 157.0	154	155	156	157	158	159	160	161	162			9.3
E 154.0	154	155	156	157	158	159	160	161				
151.0	154	155	156	157	158	158	159					VALUES
148.0	153	154	155	156	157	158						IN MM

ESTIMATES OF BITRAGION BREADTH — NO. 115

WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
178.0						130	131	132	133	134	135	MULTIPLE
175.0					129	130	131	132	133	134	135	CORRELA-
S 172.0				128	129	130	131	132	133	134	135	TION
T 169.0			127	128	129	130	131	132	133	134	135	.393
A 166.0		126	127	128	129	130	131	132	133	134	135	
T 163.0		126	127	128	129	130	131	132	133	134		STANDARD
U 160.0	125	126	127	128	129	130	131	132	133	134		ERR EST.
R 157.0	125	126	127	128	129	130	131	132	133			4.6
E 154.0	125	126	127	128	129	130	131	132				
151.0	125	126	127	128	129	130	131					VALUES
148.0	125	126	127	128	129	130						IN MM

ESTIMATES OF BIZYGOMATIC BREADTH — NO. 116

WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
178.0						130	131	133	134	135	136	MULTIPLE
175.0					129	130	131	132	134	135	136	CORRELA-
S 172.0				128	129	130	131	132	134	135	136	TION
T 169.0			127	128	129	130	131	132	133	135	136	.358
A 166.0		26	127	128	129	130	131	132	133	135	136	
T 163.0		126	127	128	129	130	131	132	133	135		STANDARD
U 160.0	125	126	127	128	129	130	131	132	133	134		ERR EST.
R 157.0	125	126	127	128	129	130	131	132	133			5.4
E 154.0	125	126	127	128	129	130	131	132				
151.0	125	126	127	128	129	130	131					VALUES
148.0	125	126	127	128	129	130						IN MM

TABLE XXXIV

REGRESSION ESTIMATES BASED ON COMBINATIONS OF WEIGHT AND STATURE

---WEIGHT IN POUNDS + STATURE IN INCHES---

ESTIMATES OF BIAURICULAR BREADTH — NO. 114

WEIGHT	90	100	110	120	130	140	150	160	170	180	190	POUNDS
68.0						63	64	64	65	65	65	MULTIPLE
67.0					63	63	64	64	64	65	65	CORRELA-
S 66.0				62	63	63	63	64	64	65	65	TION
T 65.0			62	62	63	63	63	64	64	65	65	.220
A 64.0		61	62	62	62	63	63	64	64	65	65	
T 63.0		61	62	62	62	63	63	64	64	65		STANDARD
U 62.0	61	61	61	62	62	63	63	64	64	64		ERR EST.
R 61.0	61	61	61	62	62	63	63	64	64			3.6
E 60.0	60	61	61	62	62	63	63	63				
59.0	60	61	61	62	62	62	63					VALUES
58.0	60	61	61	62	62	62						IN IN/10

ESTIMATES OF BITRAGION BREADTH — NO. 115

WEIGHT	90	100	110	120	130	140	150	160	170	180	190	POUNDS
68.0						51	52	52	53	53	54	MULTIPLE
67.0					51	51	52	52	53	53	54	CORRELA-
S 66.0				50	51	51	52	52	53	53	54	TION
T 65.0			50	50	51	51	52	52	53	53	54	.393
A 64.0		50	50	50	51	51	52	52	53	53	54	
T 63.0		50	50	50	51	51	52	52	53	53		STANDARD
U 62.0	49	49	50	50	51	51	52	52	53	53		ERR EST.
R 61.0	49	49	50	50	51	51	52	52	53			1.8
E 60.0	49	49	50	50	51	51	52	52				
59.0	49	49	50	50	51	51	52					VALUES
58.0	49	49	50	50	51	51						IN IN/10

ESTIMATES OF BIZYGOMATIC BREADTH — NO. 116

WEIGHT	90	100	110	120	130	140	150	160	170	180	190	POUNDS
68.0						51	52	52	53	53	54	MULTIPLE
67.0					51	51	52	52	53	53	54	CORRELA-
S 66.0				50	51	51	52	52	53	53	54	TION
T 65.0			50	50	51	51	52	52	53	53	54	.358
A 64.0		49	50	50	51	51	52	52	53	53	54	
T 63.0		49	50	50	51	51	52	52	53	53		STANDARD
U 62.0	49	49	50	50	51	51	52	52	53	53		ERR EST.
R 61.0	49	49	50	50	51	51	52	52	53			2.1
E 60.0	49	49	50	50	51	51	52	52				
59.0	49	49	50	50	51	51	52					VALUES
58.0	49	49	50	50	51	51						IN IN/10

TABLE XXXIV

REGRESSION ESTIMATES BASED ON COMBINATIONS OF WEIGHT AND STATURE

---WEIGHT IN KILOGRAMS + STATURE IN CENTIMETERS---

ESTIMATES OF BIGONIAL BREADTH — NO. 117

WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
178.0						102	103	104	106	107	108	MULTIPLE
175.0					101	102	104	105	106	107	108	CORRELA-
S 172.0				100	101	103	104	105	106	107	108	TION
T 169.0			99	100	102	103	104	105	106	107	108	.350
A 166.0		98	99	101	102	103	104	105	106	107	109	
T 163.0		99	100	101	102	103	104	105	106	108		STANDARD
U 160.0	98	99	100	101	102	103	104	105	107	108		ERR EST.
R 157.0	98	99	100	101	102	103	105	106	107			5.3
E 154.0	98	99	100	101	102	104	105	106				
151.0	98	99	100	101	103	104	105					VALUES
148.0	98	99	100	102	103	104						IN MM

ESTIMATES OF NASAL BREADTH — NO. 118

WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
178.0						32	32	32	33	33	33	MULTIPLE
175.0					32	32	32	32	33	33	33	CORRELA-
S 172.0				32	32	32	32	32	33	33	33	TION
T 169.0			31	32	32	32	32	32	33	33	33	.103
A 166.0		31	31	32	32	32	32	33	33	33	33	
T 163.0		31	32	32	32	32	32	33	33	33		STANDARD
U 160.0	31	31	32	32	32	32	32	33	33	33		ERR EST.
R 157.0	31	31	32	32	32	32	32	33	33			3.3
E 154.0	31	31	32	32	32	32	32	33				
151.0	31	32	32	32	32	32	33					VALUES
148.0	31	32	32	32	32	32						IN MM

ESTIMATES OF LIP LENGTH — NO. 119

WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
178.0						44	44	45	45	45	45	MULTIPLE
175.0					44	44	44	44	45	45	45	CORRELA-
S 172.0				44	44	44	44	44	45	45	45	TION
T 169.0			44	44	44	44	44	44	45	45	45	.085
A 166.0		43	44	44	44	44	44	44	44	45	45	
T 163.0		43	43	44	44	44	44	44	44	45		STANDARD
U 160.0	43	43	43	44	44	44	44	44	44	45		ERR EST.
R 157.0	43	43	43	44	44	44	44	44	44			4.2
E 154.0	43	43	43	44	44	44	44	44				
151.0	43	43	43	43	44	44	44					VALUES
148.0	43	43	43	43	44	44						IN MM

TABLE XXXIV

REGRESSION ESTIMATES BASED ON COMBINATIONS OF WEIGHT AND STATURE

---WEIGHT IN POUNDS + STATURE IN INCHES---

ESTIMATES OF BIGONIAL BREADTH — NO. 117

WEIGHT	90	100	110	120	130	140	150	160	170	180	190	POUNDS
68.0						41	41	42	42	43	43	MULTIPLE
67.0					40	41	41	42	42	43	43	CORRELA-
S 66.0				40	40	41	41	42	42	43	43	TION
T 65.0			39	40	40	41	41	42	42	43	43	.350
A 64.0		39	39	40	40	41	41	42	42	43	43	
T 63.0		39	39	40	40	41	41	42	42	43		STANDARD
U 62.0	38	39	39	40	40	41	41	42	42	43		ERR EST.
R 61.0	38	39	39	40	40	41	41	42	42			2.1
E 60.0	38	39	39	40	40	41	41	42				
59.0	38	39	40	40	41	41	42					VALUES
58.0	39	39	40	40	41	41						IN IN/10

ESTIMATES OF NASAL BREADTH — NO. 118

WEIGHT	90	100	110	120	130	140	150	160	170	180	190	POUNDS
68.0						13	13	13	13	13	13	MULTIPLE
67.0					13	13	13	13	13	13	13	CORRELA-
S 66.0				12	13	13	13	13	13	13	13	TION
T 65.0			12	12	13	13	13	13	13	13	13	.103
A 64.0		12	12	13	13	13	13	13	13	13	13	
T 63.0		12	12	13	13	13	13	13	13	13		STANDARD
U 62.0	12	12	12	13	13	13	13	13	13	13		ERR EST.
R 61.0	12	12	12	13	13	13	13	13	13			1.3
E 60.0	12	12	12	13	13	13	13	13				
59.0	12	12	12	13	13	13	13					VALUES
58.0	12	12	13	13	13	13						IN IN/10

ESTIMATES OF LIP LENGTH — NO. 119

WEIGHT	90	100	110	120	130	140	150	160	170	180	190	POUNDS
68.0						17	17	18	18	18	18	MULTIPLE
67.0					17	17	17	18	18	18	18	CORRELA-
S 66.0				17	17	17	17	18	18	18	18	TION
T 65.0			17	17	17	17	17	17	18	18	18	.085
A 64.0		17	17	17	17	17	17	17	18	18	18	
T 63.0		17	17	17	17	17	17	17	18	18		STANDARD
U 62.0	17	17	17	17	17	17	17	17	18	18		ERR EST.
R 61.0	17	17	17	17	17	17	17	17	17			1.7
E 60.0	17	17	17	17	17	17	17	17				
59.0	17	17	17	17	17	17	17					VALUES
58.0	17	17	17	17	17	17						IN IN/10

TABLE XXXIV

REGRESSION ESTIMATES BASED ON COMBINATIONS OF WEIGHT AND STATURE

---WEIGHT IN KILOGRAMS + STATURE IN CENTIMETERS---

ESTIMATES OF MENTON-SUBNASALE LENGTH — NO. 120

WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
178.0						57	58	58	58	59	59	MULTIPLE
175.0					57	57	57	58	58	59	59	CORRELA-
S 172.0				56	56	57	57	58	58	58	59	TION
T 169.0			55	56	56	56	57	57	58	58	59	.226
A 166.0		54	55	55	56	56	57	57	57	58	58	
T 163.0		54	55	55	56	56	56	57	57	58		STANDARD
U 160.0	54	54	54	55	55	56	56	57	57	57		ERR EST.
R 157.0	53	54	54	55	55	55	56	56	57			5.0
E 154.0	53	53	54	54	55	55	56	56				
151.0	53	53	54	54	55	55	55					VALUES
148.0	53	53	53	54	54	55						IN MM

ESTIMATES OF MENTON-SELLION LENGTH — NO. 121

WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
178.0						110	110	111	111	112	113	MULTIPLE
175.0					109	109	110	110	111	111	112	CORRELA-
S 172.0				108	108	109	109	110	110	111	111	TION
T 169.0			106	107	108	108	109	109	110	110	111	.304
A 166.0		105	106	106	107	108	108	109	109	110	110	
T 163.0		105	105	106	106	107	108	108	109	109		STANDARD
U 160.0	104	104	105	105	106	107	107	108	108	109		ERR EST.
R 157.0	103	104	104	105	105	106	107	107	108			5.8
E 154.0	103	103	104	104	105	105	106	107				
151.0	102	103	103	104	104	105	105					VALUES
148.0	102	102	103	103	104	104						IN MM

ESTIMATES OF SUBNASALE-SELLION LENGTH — NO. 122

WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
178.0						47	47	48	48	48	48	MULTIPLE
175.0					47	47	47	47	47	48	48	CORRELA-
S 172.0				46	46	47	47	47	47	47	48	TION
T 169.0			46	46	46	46	47	47	47	47	47	.198
A 166.0		45	45	46	46	46	46	46	47	47	47	
T 163.0		45	45	45	46	46	46	46	46	47		STANDARD
U 160.0	44	45	45	45	45	46	46	46	46	46		ERR EST.
R 157.0	44	44	45	45	45	45	45	46	46			4.0
E 154.0	44	44	44	45	45	45	45	45				
151.0	44	44	44	44	45	45	45					VALUES
148.0	43	44	44	44	44	44						IN MM

TABLE XXXIV

REGRESSION ESTIMATES BASED ON COMBINATIONS OF WEIGHT AND STATURE

---WEIGHT IN POUNDS + STATURE IN INCHES---

ESTIMATES OF MENTON-SUBNASALE LENGTH — NO. 120

STATURE	90	100	110	120	130	140	150	160	170	180	190
68.0						22	23	23	23	23	23
67.0					22	22	23	23	23	23	23
66.0				22	22	22	22	23	23	23	23
65.0			22	22	22	22	22	23	23	23	23
64.0		21	21	22	22	22	22	22	23	23	23
63.0		21	21	22	22	22	22	22	23	23	
62.0	21	21	21	22	22	22	22	22	22	23	
61.0	21	21	21	21	22	22	22	22	22		
60.0	21	21	21	21	22	22	22	22			
59.0	21	21	21	21	21	22	22				
58.0	21	21	21	21	21	22					

MULTIPLE CORRELATION .226

STANDARD ERR EST. 2.0

VALUES IN IN/10

ESTIMATES OF MENTON-SELLION LENGTH — NO. 121

STATURE	90	100	110	120	130	140	150	160	170	180	190
68.0						43	43	43	44	44	44
67.0					42	43	43	43	43	44	44
66.0				42	42	43	43	43	43	44	44
65.0			42	42	42	42	43	43	43	43	44
64.0		41	41	42	42	42	42	43	43	43	43
63.0		41	41	42	42	42	42	43	43	43	
62.0	41	41	41	41	42	42	42	42	43	43	
61.0	40	41	41	41	41	42	42	42	42		
60.0	40	40	41	41	41	41	42	42			
59.0	40	40	41	41	41	41	42				
58.0	40	40	40	41	41	41					

MULTIPLE CORRELATION .304

STANDARD ERR EST. 2.3

VALUES IN IN/10

ESTIMATES OF SUBNASALE-SELLION LENGTH — NO. 122

STATURE	90	100	110	120	130	140	150	160	170	180	190
68.0						18	18	19	19	19	19
67.0					18	18	18	18	19	19	19
66.0				18	18	18	18	18	18	19	19
65.0			18	18	18	18	18	18	18	19	19
64.0		18	18	18	18	18	18	18	18	18	19
63.0		18	18	18	18	18	18	18	18	18	
62.0	17	17	18	18	18	18	18	18	18	18	
61.0	17	17	17	18	18	18	18	18	18		
60.0	17	17	17	17	18	18	18	18			
59.0	17	17	17	17	18	18	18				
58.0	17	17	17	17	17	18					

MULTIPLE CORRELATION .198

STANDARD ERR EST. 1.6

VALUES IN IN/10

TABLE XXXIV

REGRESSION ESTIMATES BASED ON COMBINATIONS OF WEIGHT AND STATURE

---WEIGHT IN KILOGRAMS + STATURE IN CENTIMETERS---

ESTIMATES OF EAR LENGTH — NO. 123

WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
178.0						53	54	55	55	56	57	MULTIPLE
175.0					53	53	54	55	55	56	56	CORRELA-
S 172.0				52	53	53	54	55	55	56	56	TION
T 169.0			51	52	53	53	54	54	55	56	56	.282
A 166.0		51	51	52	53	53	54	54	55	56	56	
T 163.0		51	51	52	52	53	54	54	55	56		STANDARD
U 160.0	50	51	51	52	52	53	54	54	55	55		ERR EST.
R 157.0	50	50	51	52	52	53	54	54	55			4.3
E 154.0	50	50	51	52	52	53	53	54				
151.0	50	50	51	52	52	53	53					VALUES
148.0	50	50	51	51	52	53						IN MM

ESTIMATES OF EAR BREADTH — NO. 124

WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
178.0						30	31	31	31	31	31	MULTIPLE
175.0					30	30	31	31	31	31	31	CORRELA-
S 172.0				30	30	30	30	31	31	31	31	TION
T 169.0			30	30	30	30	30	31	31	31	31	.144
A 166.0		29	30	30	30	30	30	31	31	31	31	
T 163.0		29	29	30	30	30	30	30	31	31		STANDARD
U 160.0	29	29	29	30	30	30	30	30	31	31		ERR EST.
R 157.0	29	29	29	30	30	30	30	30	31			3.3
E 154.0	29	29	29	29	30	30	30	30				
151.0	29	29	29	29	30	30	30					VALUES
148.0	29	29	29	29	30	30						IN MM

ESTIMATES OF GRIP STRENGTH — NO. 125

WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
178.0						330	339	347	356	365	373	MULTIPLE
175.0					317	326	335	343	352	360	369	CORRELA-
S 172.0				305	313	322	330	339	348	356	365	TION
T 169.0			292	300	309	318	326	335	344	352	361	.381
A 166.0		279	288	296	305	314	322	331	339	348	357	
T 163.0		275	284	292	301	309	318	327	335	344		STANDARD
U 160.0	262	271	280	288	297	305	314	323	331	340		ERR EST.
R 157.0	258	267	275	284	293	301	310	319	327			52.7
E 154.0	254	263	271	280	289	297	306	314				
151.0	250	259	267	276	284	293	302					VALUES
148.0	246	254	263	272	280	289						IN 100GM

TABLE XXXIV

REGRESSION ESTIMATES BASED ON COMBINATIONS OF WEIGHT AND STATURE

---WEIGHT IN POUNDS + STATURE IN INCHES---

ESTIMATES OF EAR LENGTH

STATURE / WEIGHT	90	100	110	120	130	140	150	160	170	180	190
68.0						21	21	22	22	22	22
67.0					21	21	21	22	22	22	22
66.0				20	21	21	21	22	22	22	22
65.0			20	20	21	21	21	22	22	22	22
64.0		20	20	20	21	21	21	22	22	22	22
63.0		20	20	20	21	21	21	22	22	22	
62.0	20	20	20	20	21	21	21	21	22	22	
61.0	20	20	20	20	21	21	21	21	22		
60.0	19	20	20	20	21	21	21	21			
59.0	19	20	20	20	21	21	21				
58.0	19	20	20	20	21	21					

NO. 123
POUNDS
MULTIPLE CORRELATION .282
STANDARD ERR EST. 1.7
VALUES IN IN/10

ESTIMATES OF EAR BREADTH

STATURE / WEIGHT	90	100	110	120	130	140	150	160	170	180	190
68.0						12	12	12	12	12	12
67.0					12	12	12	12	12	12	12
66.0				12	12	12	12	12	12	12	12
65.0			12	12	12	12	12	12	12	12	12
64.0		11	12	12	12	12	12	12	12	12	12
63.0		11	12	12	12	12	12	12	12	12	
62.0	11	11	12	12	12	12	12	12	12	12	
61.0	11	11	12	12	12	12	12	12	12		
60.0	11	11	11	12	12	12	12	12			
59.0	11	11	11	12	12	12	12				
58.0	11	11	11	12	12	12					

NO. 124
POUNDS
MULTIPLE CORRELATION .144
STANDARD ERR EST. 1.3
VALUES IN IN/10

ESTIMATES OF GRIP STRENGTH

STATURE / WEIGHT	90	100	110	120	130	140	150	160	170	180	190
68.0						719	740	762	783	805	827
67.0					690	711	733	754	776	797	819
66.0				660	682	703	725	747	768	790	811
65.0			631	653	674	696	717	739	761	782	804
64.0		602	623	645	667	688	710	731	753	774	796
63.0		594	616	637	659	681	702	724	745	767	
62.0	565	587	608	630	651	673	694	716	738	759	
61.0	557	579	600	622	644	665	687	708	730		
60.0	550	571	593	614	636	658	679	701			
59.0	542	564	585	607	628	650	671				
58.0	534	556	578	599	621	642					

NO. 125
POUNDS
MULTIPLE CORRELATION .381
STANDARD ERR EST. 116.3
VALUES IN LB/10

TABLE XXXIV

REGRESSION ESTIMATES BASED ON COMBINATIONS OF WEIGHT AND STATURE

---WEIGHT IN KILOGRAMS + STATURE IN CENTIMETERS---

ESTIMATES OF STATURE AS REPORTED BY SUBJECTS — NO. 139

WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
178.0						1800	1802	1804	1806	1809	1811	MULTIPLE
175.0					1769	1771	1773	1776	1778	1780	1782	CORRELA-
S 172.0				1738	1740	1743	1745	1747	1749	1752	1754	TION
T 169.0			1707	1710	1712	1714	1716	1719	1721	1723	1725	.963
A 166.0		1677	1679	1681	1683	1686	1688	1690	1692	1694	1697	
T 163.0		1648	1650	1653	1655	1657	1659	1661	1664	1666		STANDARD
U 160.0	1617	1620	1622	1624	1626	1628	1631	1633	1635	1637		ERR EST.
R 157.0	1589	1591	1593	1595	1598	1600	1602	1604	1607			16.7
E 154.0	1560	1562	1565	1567	1569	1571	1574	1576				
151.0	1532	1534	1536	1538	1541	1543	1545					VALUES
148.0	1503	1505	1507	1510	1512	1514						IN MM

ESTIMATES OF WEIGHT AS REPORTED BY SUBJECTS — NO. 140

WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
178.0						618	654	690	726	762	799	MULTIPLE
175.0					580	616	652	688	724	761	797	CORRELA-
S 172.0				542	578	614	650	686	723	759	795	TION
T 169.0			504	540	576	612	648	685	721	757	793	.974
A 166.0		466	502	538	574	610	647	683	719	755	792	
T 163.0		464	500	536	573	609	645	681	717	754		STANDARD
U 160.0	426	462	498	535	571	607	643	679	716	752		ERR EST.
R 157.0	424	460	497	533	569	605	641	678	714			16.3
E 154.0	422	459	495	531	567	603	640	676				
151.0	421	457	493	529	565	602	638					VALUES
148.0	419	455	491	527	564	600						IN 100GM

TABLE XXXIV

REGRESSION ESTIMATES BASED ON COMBINATIONS OF WEIGHT AND STATURE

---WEIGHT IN POUNDS + STATURE IN INCHES---

ESTIMATES OF STATURE AS REPORTED BY SUBJECTS — NO. 139

WEIGHT	90	100	110	120	130	140	150	160	170	180	190	POUNDS
68.0						689	690	691	692	693	694	MULTIPLE
67.0					679	680	681	682	683	684	685	CORRELA-
S 66.0				668	669	670	671	672	673	674	675	TION
T 65.0			658	659	660	661	662	663	664	665	666	.963
A 64.0		647	648	649	650	651	652	653	654	655	656	
T 63.0		638	639	640	641	642	643	643	644	645		STANDARD
U 62.0	627	628	629	630	631	632	633	634	635	636		ERR EST.
R 61.0	618	619	619	620	621	622	623	624	625			6.6
E 60.0	608	609	610	611	612	613	614	615				
59.0	598	599	600	601	602	603	604					VALUES
58.0	589	590	591	592	593	594						IN IN/10

ESTIMATES OF WEIGHT AS REPORTED BY SUBJECTS — NO. 140

WEIGHT	90	100	110	120	130	140	150	160	170	180	190	POUNDS
68.0						1385	1475	1566	1656	1747	1837	MULTIPLE
67.0					1291	1381	1472	1562	1653	1744	1834	CORRELA-
S 66.0				1197	1288	1378	1469	1559	1650	1740	1831	TION
T 65.0			1103	1194	1284	1375	1465	1556	1646	1737	1827	.974
A 64.0		1009	1100	1190	1281	1371	1462	1553	1643	1734	1824	
T 63.0		1006	1096	1187	1278	1368	1459	1549	1640	1730		STANDARD
U 62.0	912	1003	1093	1184	1274	1365	1455	1546	1636	1727		ERR EST.
R 61.0	909	999	1090	1180	1271	1361	1452	1543	1633			36.0
E 60.0	905	996	1087	1177	1268	1358	1449	1539				
59.0	902	993	1083	1174	1264	1355	1445					VALUES
58.0	899	989	1080	1170	1261	1352						IN LB/10

PART C

BIVARIATE AND RELATED FREQUENCY TABLES

SECTION XV

BIVARIATE TABLES

Bivariate frequency tables have traditionally played an important role in the use of anthropometric data by clothing and workspace designers. A group of such tables is presented in this section.

These tables represent a selection of about five hundred pairs of variables from the roughly ten thousand pairs available in this study. The pairs chosen were selected on the basis of the presumed potential usefulness of each table either in terms of assisting in the solution of specific design problems or in terms of helping to provide insight into and a general understanding of the way anthropometric variables vary. A sizeable number of these tables are ones specifically requested by the Clothing Branch of the Aeronautical Systems Division. Roughly half the tables involve either weight or stature and one of the 'major' measurement variables or involve head circumference and one of the head-face measurements.

Table XXXV provides a table of contents for this group of tables. The listings in table XXXV are in order by the variables' Visual Index numbers. Each table is listed only once and is to be found in the subgroup of the table corresponding to the variable with the smaller Visual Index number. Thus, for example, the table for neck circumference and spine-to-wrist length (sleeve length) is listed under neck circumference because the Visual Index number for neck circumference (36) is less than the Visual Index number for sleeve length (90). The bivariate tables are printed in the same sequence as they are listed in table XXXV, that is, first in order by the lower Visual Index number and then in order by the larger such number. These several hundred tables are collectively designated as table XXXVI.

The seventh table (page 737)-that for weight and stature-illustrates the form of all the tables. The values along the left edge of the table are the interval midpoints for weight, and the values across the top are interval midpoints for stature. These last values are written on two lines and

177
.25

is to be interpreted as 177.25.

The intervals were chosen on the same principles as were used in selecting the intervals for the univariate frequency tables of Part A (see page 45) except that the maximum number of rows or columns was chosen to be 25 rather than 50. In all cases, intervals were based on the units in which the variable was measured, and all interval widths are an integral multiple of the measurement unit. Hence, the intervals for weight and estimated weight are in pounds; for estimated stature, are in inches; but are in centimeters for all other measured variables.

For easy reference, beneath each table are listed the correlation coefficient, the means and standard deviations of the two variables involved, and regression equations for estimating each one in terms of the other. These values were computed from the ungrouped data and in many cases will differ slightly from the values which would result if the calculations had been based on the data as grouped in the table.

TABLE XXXV

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TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
AGE AND WEIGHT

WEIGHT

AGE	85 .00	90 .00	95 .00	100 .00	105 .00	110 .00	115 .00	120 .00	125 .00	130 .00	135 .00	140 .00	145 .00	150 .00	155 .00	160 .00	165 .00	170 .00	175 .00	180 .00	185 .00	190 .00	195 .00	200 .00	TOT ALS
57.00									1																1
55.00						1																			1
53.00										1	1														2
51.00									1					1		1	1	1							5
49.00						2				1															3
47.00									1	1		1	2	2			2								9
45.00								1	2	1	1	1		1	3			1					1	1	13
43.00				1	1	1	3	1	1	5	6	1	3	1		3			1						28
41.00				1	1		1	4	3	4	1			1	3	1						1			21
39.00					1	1	2	3	2	4	2	2	2	3	4	1		1			1				29
37.00				1	1	1	1	3	3	5	1	4	2		2		1	1		1				1	28
35.00			2		1		1	4	2	4	7	4	5	1		1	1	2							35
33.00			1		3	3	2	5	4	7	3	1	6		4		2		2	1					44
31.00						1	3	1	4	2	2	4	1	2	2			1							23
29.00				1	1	3	3	6	4	6	4	7	5	1		1	1				1				44
27.00			2	2	4	4	8	10	9	11	8	7	5	5	2	2	1	1			1				82
25.00		1	2	4	8	19	19	13	21	19	4	10	3	3	4	6	2		3		2	1			144
23.00			2	5	13	27	32	25	25	27	27	20	14	10	6	1	3	2		1			1		241
21.00	1	1	4	20	34	34	45	55	56	53	46	33	29	19	5	7	3	3	1		2				451
19.00		2	9	26	45	55	89	90	102	80	68	47	45	22	14	6		1							701
TOTALS	1	4	22	61	113	152	209	221	241	231	181	142	122	72	49	30	17	14	7	3	7	2	2	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-AGE	22.93	6.45	0.087X + 11.854	6.29	0.223
X-WEIGHT	127.28	16.59	0.573Y + 114.144	16.17	

A BIVARIATE FREQUENCY TABLE FOR
AGE AND STATURE

STATURE

AGE	145 .25	147 .25	149 .25	151 .25	153 .25	155 .25	157 .25	159 .25	161 .25	163 .25	165 .25	167 .25	169 .25	171 .25	173 .25	175 .25	177 .25	179 .25	181 .25	183 .25	TOT ALS
57.00											1										1
55.00							1														1
53.00					1					1											2
51.00								1		1				2	1						5
49.00				1	1			1													3
47.00			1					2	1	3		1	1								9
45.00						2	1		2	5		1	1				1				13
43.00				2	1	4	2	3	1	4	1	4	4	1	1						28
41.00	1						2	1	2	2	7	2	2	1	1						21
39.00		1		2	1		1	2	4	7	4	3	2	2							29
37.00				2	1	1	4	2	6	3	2	1	2	3			1				28
35.00				1		4	4	6	2	2	3	7	2	2		1	1				35
33.00				3	1	7	4	4	4	5	2	3	4		5		1	1			44
31.00					3	3	1	1		3	3	2	2	3		2					23
29.00				2	1	2	5	2	6	6	6	5	6		1	1		1			44
27.00				3	3	6	10	5	15	7	9	11	3	3	4	1	1	1			82
25.00		1	2	4	5	13	14	17	20	20	12	17	6	10	1		1	1			144
23.00		2	3	8	11	17	24	27	31	30	22	19	19	13	10	1	3	1			241
21.00		2	7	14	25	36	47	50	65	55	42	38	33	13	15	3	4	1		1	451
19.00	1	2	4	18	34	65	70	87	101	87	69	73	38	29	14	4	1	3	1		701
TOTALS	2	8	17	60	88	160	190	211	260	241	183	187	125	82	53	13	14	9	1	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-AGE	22.93	6.45	0.052X + 14.498	6.44	0.048
X-STATURE	162.10	6.00	0.045Y + 161.072	6.00	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND TRICEPS SKINFOLD

TRICEPS SKINFOLD

WEIGHT	6 .25	8 .25	10 .25	12 .25	14 .25	16 .25	18 .25	20 .25	22 .25	24 .25	26 .25	28 .25	30 .25	32 .25	34 .25	36 .25	38 .25	40 .25	42 .25	44 .25	46 .25	TOT ALS
200.00											1									1		2
195.00															1	1						2
190.00											1			1								2
185.00							1				2	3			1							7
180.00											1			1	1							3
175.00									2	1	1	1				1					1	7
170.00							1		1	2	3	3	1	1	1	1						14
165.00								3	1	2	3		3	1		2	1				1	17
160.00			1	1	1	2	1	4	3	4	3	4	5	1								30
155.00				1	3	2	2	6	6	7	12	2	4	2	1			1				49
150.00					3	6	9	8	11	7	14	7	2	5								72
145.00			1	3	6	9	12	28	22	15	11	7	3	3	1	1						122
140.00			2	5	6	12	13	29	24	18	14	9	5	4		1						142
135.00	1		2	5	10	17	24	46	24	31	12	6	2		1							181
130.00			7	12	16	35	39	31	48	16	16	4	2	4	1							231
125.00		1	10	14	21	36	49	40	33	23	10	3		1								241
120.00		3	8	26	26	38	38	37	23	16	5	1										221
115.00		8	6	38	41	32	28	35	12	6	3											209
110.00	1	5	11	17	41	30	20	15	8	4												152
105.00	2	6	14	24	18	21	15	9	2	1			1									113
100.00	1	7	9	13	14	10	6	1														61
95.00	2	2	4	4	7	2	1															22
90.00		1	2		1																	4
85.00	1																					1
TOTALS	8	33	77	163	214	252	259	292	220	153	112	50	28	24	8	7	1	1	0	1	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-WEIGHT	127.28	16.59	1.819X	+	92.662	13.31	0.597
X-TRICEPS SKINFOLD	19.03	5.44	0.196Y	-	5.915	4.37	

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND SUBSCAPULAR SKINFOLD

SUBSCAPULAR SKINFOLD

WEIGHT	5 .25	7 .25	9 .25	11 .25	13 .25	15 .25	17 .25	19 .25	21 .25	23 .25	25 .25	27 .25	29 .25	31 .25	33 .25	35 .25	37 .25	TOT ALS
200.00									1						1			2
195.00															1		1	2
190.00											1	1						2
185.00							1	1		2		1	1		1			7
180.00					1			1			1							3
175.00					1		1	1		1		2		1				7
170.00						2	3	2	2	1		1	1	1		1		14
165.00				2	2	2	3	1	2	2				2	1			17
160.00		2	1		2	4	1	4	6	4	2	1	2		1			30
155.00			1	10	4	9	4	6	5	4	2	2	1		1			49
150.00			8	8	12	9	12	10	5	2	2	1	1	1	1			72
145.00		4	13	24	31	18	11	8	5	3	1	3				1		122
140.00	1	9	17	24	20	20	14	13	13	3	6	1	1					142
135.00		11	27	34	33	29	22	10	8	5	1	1						181
130.00	2	26	50	48	38	31	14	9	3	3	6		1					231
125.00		23	51	56	54	21	12	16	5	2		1						241
120.00	1	34	61	54	40	19	5	4	1	1		1						221
115.00	5	34	58	52	27	18	9	5	1									209
110.00	1	46	42	30	19	8	4	2										152
105.00	4	31	39	16	10	9	2	1	1									113
100.00	3	25	19	9	3	1		1										61
95.00		14	7	1														22
90.00		2	1	1														4
85.00	1																	1
TOTALS	18	261	395	369	297	200	118	95	58	33	22	16	8	5	7	2	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-WEIGHT	127.28	16.59	1.932X	+	102.438	13.69	0.565
X-SUBSCAPULAR SKINFD	12.86	4.85	0.165Y	-	8.142	4.00	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND SUPRAILIAC SKINFOLD

SUPRAILIAC SKINFOLD

WEIGHT	5 .25	7 .25	9 .25	11 .25	13 .25	15 .25	17 .25	19 .25	21 .25	23 .25	25 .25	27 .25	29 .25	31 .25	33 .25	35 .25	37 .25	39 .25	41 .25	43 .25	45 .25	47 .25	49 .25	TOTALS
200.00											1						1							2
195.00													1		1									2
190.00															2									2
185.00				1											1		2	1	1				1	7
180.00											1				1					1				3
175.00								1						1	1	2		1			1			7
170.00									1		3			3		5		2						14
165.00										3	3	3	3	1		1	2				1			17
160.00						2	1		1	4	1	5	2	6	3	1	2	2						30
155.00						4	2	2	8	4	6	7	3	3	3	3		1			2	1		49
150.00			1	1			3	7	12	8	12	7	7	6	4	3	1							72
145.00		2	3	1	8	8	9	11	13	22	8	13	8	6	5	2	2				1			122
140.00		2	1	2	6	10	10	14	18	18	14	14	12	12	5	1	1	1		1				142
135.00		1	9	4	5	8	14	28	28	32	14	18	11	6		3								181
130.00			7	16	15	26	32	27	26	23	25	17	12	4			1							231
125.00		3	9	11	28	30	28	39	29	24	9	13	11	3	3	1								241
120.00	3	8	8	13	28	28	30	28	26	17	17	6	5	4										221
115.00	2	6	12	23	29	29	30	30	26	10	5	3	2		1	1								209
110.00	1	12	13	25	19	21	13	21	14	6	3	3	1											152
105.00	1	6	15	13	22	16	12	12	5	6	2	2	1											113
100.00	2	11	8	11	7	7	5	3	3	3	1													61
95.00	3	5	7	1	1	3		1		1														22
90.00		1	2		1																			4
85.00	1																							1
TOTALS	13	57	95	122	169	192	189	224	210	181	125	111	79	55	30	23	12	8	1	2	5	1	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-WEIGHT	127.28	16.59	1.377X	+	100.123	13.49	0.582
X-SUPRAILIAC SKINFLD	19.72	7.01	0.246Y	-	11.588	5.70	

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND MEDIAL CALF SKINFOLD

MEDIAL CALF SKINFOLD

WEIGHT	2 .25	4 .25	6 .25	8 .25	10 .25	12 .25	14 .25	16 .25	18 .25	20 .25	22 .25	24 .25	26 .25	28 .25	30 .25	32 .25	34 .25	36 .25	TOTALS
200.00								1										1	2
195.00													1					1	2
190.00								1				1							2
185.00	1							1	1			1	2	1					7
180.00										1	1	1							3
175.00								1	1	1	1	2			1				7
170.00						1	1	3		2	3	1	2		1				14
165.00			1					2	4	3	1	1	1	2	1	1			17
160.00		1			2	3	4	5	2	1	7			3		1		1	30
155.00		1		1	1	2	6	10	4	8	4	3	7	1	1				49
150.00	2	1		2	1	3	10	15	13	7	6	4	5	2		1			72
145.00	4	2		5	2	12	15	23	14	14	15	8	5	1	1		1		122
140.00	1	2	4	1	8	11	18	21	18	23	18	7	8	1	1				142
135.00	4	2	1	4	7	19	29	32	22	26	19	7	5	2	2				181
130.00	4	3	4	4	16	28	44	38	25	37	14	10	1	1	1		1		231
125.00	5	1	3	8	28	33	35	30	45	26	14	6	5	1	1				241
120.00	5	3	3	5	15	34	43	38	41	11	18	4	1						221
115.00	3	2	1	13	24	40	44	35	23	14	5	3	1	1					209
110.00		3	2	7	21	27	35	20	19	13	2	1	2						152
105.00			6	13	20	25	22	11	6	5	4	1							113
100.00	1		3	4	13	12	20	7	1										61
95.00			1	4	3	3	7	1	1		1	1							22
90.00				2		2													4
85.00			1																1
TOTALS	30	21	30	73	161	255	333	295	240	192	133	62	46	16	10	3	2	3	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-WEIGHT	127.28	16.59	1.162X	+	108.752	15.46	0.362
X-MEDIAL CALF SKINFD	15.95	5.17	0.113Y	+	1.564	4.82	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND STATURE

STATURE

WEIGHT	145 .25	147 .25	149 .25	151 .25	153 .25	155 .25	157 .25	159 .25	161 .25	163 .25	165 .25	167 .25	169 .25	171 .25	173 .25	175 .25	177 .25	179 .25	181 .25	183 .25	TOT ALS
200.00										1							1				2
195.00									1					1							2
190.00										1		1									2
185.00										2	2			3							7
180.00													2	1							3
175.00										1		3	1		1					1	7
170.00					1		1	1	1	1		2	1	2	1	1	2				14
165.00								2	1	1	1	5	1	3	3						17
160.00						1		3	1	4	1	6	4	5	3		1	1			30
155.00							4	1	4	6	9	6	4	8	3	1	1	2			49
150.00				1		2		3	2	10	9	18	14	7	5		1				72
145.00			1				4	2	10	24	21	15	18	8	10	3	4	2			122
140.00			1		1	7	11	9	15	19	17	23	22	8	3	4	1		1		142
135.00				1	3	9	13	15	22	30	23	26	14	8	13	3		1			181
130.00		1		5	5	14	14	28	35	39	35	26	12	13	3			1			231
125.00			2	5	10	16	28	35	42	32	23	23	11	6	4	1	2	1			241
120.00				6	11	18	27	38	44	22	23	13	12	4	1		1	1			221
115.00		3	4	7	15	24	32	33	40	19	11	11	6	3	1						209
110.00		2	2	8	18	23	26	20	21	17	4	5	2	2	2						152
105.00		1	3	12	11	24	18	13	14	9	4	3	1								113
100.00	2		1	11	10	14	7	7	5	3		1									61
95.00		1	2	4	1	8	3	1	2												22
90.00			1		1		2														4
85.00					1																1
TOTALS	2	8	17	60	88	160	190	211	260	241	183	187	125	82	53	13	14	9	1	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-WEIGHT	127.28	16.59	1.471X	-	111.172	14.04	0.533
X-STATURE	162.10	6.00	0.193Y	+	137.538	5.08	

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND STATURE, MAXIMUM

STATURE, MAXIMUM

WEIGHT	145 .25	147 .25	149 .25	151 .25	153 .25	155 .25	157 .25	159 .25	161 .25	163 .25	165 .25	167 .25	169 .25	171 .25	173 .25	175 .25	177 .25	179 .25	181 .25	183 .25	TOT ALS
200.00										1							1				2
195.00									1					1							2
190.00											1		1								2
185.00										1	2	1		3							7
180.00													2		1						3
175.00											1	1	3		1					1	7
170.00					1		1	1	1	1		2		3	1	1	1	1			14
165.00								1	2	1	1	4	1	4	1	2					17
160.00							1	1	3	2	3	3	6	6	2	1		2			30
155.00							3	1	3	3	12	5	5	7	5	2		3			49
150.00					1	2		2	2	8	8	17	14	10	7		1				72
145.00			1				4	1	8	22	15	18	20	12	10	3	6	2			122
140.00			1			3	13	9	15	14	22	17	19	19	4	4		1	1		142
135.00				1	2	7	8	20	19	27	26	25	19	8	13	4	1	1			181
130.00			1	5	3	10	15	24	31	40	39	22	20	13	5	2		1			231
125.00			1	5	6	12	31	33	37	40	22	18	18	8	6	1	2	1			241
120.00				2	13	14	26	33	43	30	20	17	14	5	2			1	1		221
115.00		2	3	5	16	21	26	34	37	27	12	12	10	1	3						209
110.00		1	3	7	18	19	20	25	22	13	13	4	2	3	1	1					152
105.00		1	3	9	5	21	27	13	15	8	4	5	2								113
100.00	2		1	9	8	13	10	7	7	2	1		1								61
95.00		1	2	2	2	7	5	1	2												22
90.00				1	1		2														4
85.00						1															1
TOTALS	2	5	16	46	76	130	192	206	248	240	202	171	157	103	62	21	12	13	2	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-WEIGHT	127.28	16.59	1.468X	-	111.632	14.03	0.533
X-STATURE, MAXIMUM	162.75	6.02	0.194Y	+	138.055	5.10	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND CERVICALE HEIGHT

CERVICALE HEIGHT

WEIGHT	121 .25	123 .25	125 .25	127 .25	129 .25	131 .25	133 .25	135 .25	137 .25	139 .25	141 .25	143 .25	145 .25	147 .25	149 .25	151 .25	153 .25	155 .25	157 .25	TOT ALS
200.00											1						1			2
195.00										1			1							2
190.00										1			1							2
185.00											4			2	1					7
180.00												1	1	1						3
175.00											1	2	2			1		1		7
170.00						1		1	2	1		2		2	3	1	1			14
165.00									1	3	1	2	3	3	2	2				17
160.00								2	3	1	3	3	6	6	4		1	1		30
155.00							1	4	1	4	8	9	5	7	6		2	1	1	49
150.00					1		2	1	3	3	13	16	15	13	3	1	1			72
145.00				1			2	2	7	15	21	23	18	17	7	6	2	1		122
140.00				1	1		10	12	8	20	23	22	16	17	7	2	3			142
135.00						5	11	14	17	35	26	25	18	15	9	4	2			181
130.00		1		1	4	9	11	24	33	42	30	38	17	16	4			1		231
125.00				1	6	14	19	28	42	49	33	17	17	8	5		1		1	241
120.00					4	16	25	28	45	39	26	17	9	9	1		1	1		221
115.00			2	3	11	16	30	33	44	30	16	9	11	3	1					209
110.00			1	2	12	16	30	24	27	15	12	6	3	2	2					152
105.00			1	5	8	10	30	22	15	11	5	5	1							113
100.00	1	1		3	8	12	13	10	7	3	2		1							61
95.00			1	3	2	3	5	6	1	1										22
90.00			1			2	1													4
85.00							1													1
TOTALS	1	2	6	20	57	104	191	211	256	274	225	197	145	121	55	17	15	6	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-WEIGHT	127.28	16.59	1.625X	-	98.911	13.95	0.541
X-CERVICALE HEIGHT	139.20	5.52	0.180Y	+	116.285	4.64	

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND ACROMIAL HEIGHT

ACROMIAL HEIGHT

WEIGHT	115 .25	117 .25	119 .25	121 .25	123 .25	125 .25	127 .25	129 .25	131 .25	133 .25	135 .25	137 .25	139 .25	141 .25	143 .25	145 .25	147 .25	149 .25	151 .25	TOT ALS
200.00											1					1				2
195.00									1				1							2
190.00											1		1							2
185.00										3	1		1	1	1					7
180.00												1	2							3
175.00											3	1	1		1				1	7
170.00						1		1	1	2	1	1	4	1		1	1			14
165.00									2	1	3	4	3	2	2					17
160.00								3	2	4	2	4	8	3	2		2			30
155.00						1	1	2	4	6	10	7	6	6	3	1	1	1		49
150.00					1	1	1	2	6	6	17	12	15	8	2	1				72
145.00				1		1	1	6	15	20	20	18	21	6	7	4	2			122
140.00					3	6	8	10	18	23	24	19	14	9	6	1	1			142
135.00				1	2	7	9	27	29	28	21	25	14	9	7	2				181
130.00		1		4	4	16	14	34	39	36	38	22	15	6	1		1			231
125.00			2	3	7	15	30	43	38	37	26	20	10	6	2	2				241
120.00				3	8	20	26	49	39	28	22	13	6	4	2	1				221
115.00			5	8	11	19	37	45	38	16	14	9	4	2	1					209
110.00			3	11	13	18	30	32	21	9	7	2	4	2						152
105.00			5	7	17	18	22	17	17	3	7									113
100.00	1	1		9	14	11	11	4	7	2		1								61
95.00		1		3	3	8	3	2	1	1										22
90.00			1		1	2														4
85.00								1												1
TOTALS	1	3	16	50	84	144	193	278	278	225	218	159	130	65	37	14	8	1	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-WEIGHT	127.28	16.59	1.672X	-	93.188	13.83	0.552
X-ACROMIAL HEIGHT	131.86	5.48	0.182Y	+	108.695	4.57	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND SUPRASTERNALE HEIGHT

SUPRASTERNALE HEIGHT

WEIGHT	117 .25	119 .25	121 .25	123 .25	125 .25	127 .25	129 .25	131 .25	133 .25	135 .25	137 .25	139 .25	141 .25	143 .25	145 .25	147 .25	149 .25	151 .25	TOT ALS
200.00										1						1			2
195.00								1				1							2
190.00										1		1							2
185.00									3	1	1	2							7
180.00											1	2							3
175.00										3	2		1					1	7
170.00					1		1	2	2	1	1	1	3		2				14
165.00							2	1	1	2	4	3	2	2					17
160.00						1	1	3	4	3	2	8	4	2		2			30
155.00						1	4	2	6	13	6	5	5	4		3			49
150.00				1		3	1	5	9	18	14	13	7		1				72
145.00			1			2	4	14	23	20	17	22	11	3	4	1			122
140.00				2	5	11	10	19	20	20	24	17	8	3	2	1			142
135.00				1	7	12	20	28	28	33	19	17	7	7	2				181
130.00	1			7	13	16	28	44	42	32	25	18	4			1			231
125.00		2	3	5	19	22	45	41	42	24	19	8	8	1	1	1			241
120.00			2	5	19	27	47	44	32	21	11	9	2		2				221
115.00		3	6	7	27	35	40	45	9	22	11	2	1	1					209
110.00		1	10	15	24	24	27	22	13	6	7	2	1						152
105.00		3	8	8	24	27	18	11	8	5	1								113
100.00	2	2	2	15	13	12	5	7	2		1								61
95.00		2	3	3	4	8	1			1									22
90.00			2		1	1													4
85.00				1															1
TOTALS	3	13	37	70	157	202	254	289	244	227	166	131	64	23	14	10	0	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-WEIGHT	127.28	16.59	1.729X	-	100.948	13.82	0.553
X-SUPRASTERNALE HGHT	132.00	5.30	0.177Y	+	109.472	4.42	

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND BUSTPOINT HEIGHT

BUSTPOINT HEIGHT

WEIGHT	101 .25	103 .25	105 .25	107 .25	109 .25	111 .25	113 .25	115 .25	117 .25	119 .25	121 .25	123 .25	125 .25	127 .25	129 .25	131 .25	133 .25	135 .25	137 .25	TOT ALS
200.00									1							1				2
195.00									1			1								2
190.00									1				1							2
185.00									2	3		1	1							7
180.00												2	1							3
175.00											3	1	1	1				1		7
170.00					1		1	1		2	2	1	3	1	2					14
165.00									2	6	2	2	4		1					17
160.00							2	3		4	4	3	7	4	1		2			30
155.00							4	3	5	10	7	6	4	1	6	1	2			49
150.00					1	1	2	5	8	10	13	14	8	7	2		1			72
145.00					1	1	3	8	12	18	22	12	25	9	5	3		3		122
140.00					4	4	10	10	17	20	22	24	16	8	5	1	1			142
135.00					3	5	17	21	20	29	26	26	13	9	9	3				181
130.00			1	3	5	7	18	30	39	46	33	28	10	7	3			1		231
125.00				3	9	7	25	41	45	38	30	17	12	6	4	3			1	241
120.00				1	6	13	24	43	42	41	19	14	8	6	2	2				221
115.00				10	9	21	27	35	42	27	16	12	6	2		2				209
110.00			1	5	9	17	29	29	20	19	11	6	3	2	1					152
105.00		1	3	5	6	16	24	28	12	6	9	2	1							113
100.00	1		1	3	6	12	14	11	5	4	4									61
95.00		1			6	1	8	4	1			1								22
90.00				1		1	1	1												4
85.00						1														1
TOTALS	1	2	6	31	66	107	209	273	275	283	223	173	124	63	41	16	6	5	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-WEIGHT	127.28	16.59	1.454X	-	44.754	14.75	0.457
X-BUSTPOINT HEIGHT	118.32	5.21	0.144Y	+	99.990	4.64	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND WAIST HEIGHT

WAIST HEIGHT

WEIGHT	87 .25	89 .25	91 .25	93 .25	95 .25	97 .25	99 .25	101 .25	103 .25	105 .25	107 .25	109 .25	111 .25	113 .25	115 .25	TOTALS
200.00							1								1	2
195.00							1		1							2
190.00										2						2
185.00						1	1	2	1	2						7
180.00										3						3
175.00								2	2	1			2			7
170.00				1		3	1		2	3	1	3				14
165.00						1	1	3	4	3	2	3				17
160.00						2	2	4	6	3	6	5	2			30
155.00				1		1	8	8	12	4	6	4	4		1	49
150.00	1			1	1	2	1	12	29	11	10	3	1			72
145.00				2	1	9	17	15	30	22	15	6	4		1	122
140.00			2	4	11	9	12	31	28	20	17	7		1		142
135.00			1	5	10	20	28	35	32	24	15	7	2	2		181
130.00		2	3	8	19	35	38	48	45	20	10	1	2			231
125.00			5	9	25	36	51	40	36	17	18	1	1	2		241
120.00			2	16	22	44	52	36	28	10	7	1	1	1	1	221
115.00		3	5	13	39	38	47	30	24	6	1	1	2			209
110.00		3	5	26	26	28	30	17	13		4					152
105.00		2	6	17	25	25	20	11	4	2	1					113
100.00	1	2	3	12	20	11	7	3	2							61
95.00	1	1	2	5	4	7	1		1							22
90.00			1	1		1	1									4
85.00				1												1
TOTALS	3	13	35	122	203	273	320	297	300	153	113	42	21	6	4	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-WEIGHT	127.28	16.59	1.631X	-	56.328	14.40	0.497
X-WAIST HEIGHT	100.28	4.50	0.135Y	+	83.096	3.90	

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND ABDOMINAL EXTENSION HEIGHT

ABDOMINAL EXTENSION HEIGHT

WEIGHT	79 .25	81 .25	83 .25	85 .25	87 .25	89 .25	91 .25	93 .25	95 .25	97 .25	99 .25	101 .25	103 .25	105 .25	107 .25	TOTALS
200.00							1							1		2
195.00									2							2
190.00								1			1					2
185.00							1	1	3	1	1					7
180.00									1	2						3
175.00							1	2	1	1		1		1		7
170.00					1	1	2	1	1	5	2		1			14
165.00					1		1	3	6	1	3	1	1			17
160.00					1	1	4	2	7	4	5	4	2			30
155.00					1	4	7	9	7	5	4	6	3	2	1	49
150.00	1		1		2	1	1	13	19	16	12	4	1	1		72
145.00			1	1	1	5	13	15	24	24	21	11	3	2	1	122
140.00			3	4	8	10	14	27	19	24	18	10	4	1		142
135.00			1	3	4	14	31	33	30	30	17	11	3	4		181
130.00		1	1	9	13	18	41	58	31	32	19	5	2	1		231
125.00			2	11	14	27	45	50	35	30	15	6	5	1		241
120.00			2	6	18	32	53	43	32	17	11	3	2	1	1	221
115.00		1	6	9	25	38	45	33	29	16	3	3	1			209
110.00			3	12	32	29	28	23	13	8	4					152
105.00			4	7	18	31	26	15	7	2	3					113
100.00	1	1	2	3	19	13	12	6	4							61
95.00	1		1	2	7	4	5	1		1						22
90.00				1	1	2										4
85.00				1												1
TOTALS	3	3	27	69	166	230	331	336	271	219	139	65	28	15	3	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-WEIGHT	127.28	16.59	1.616X	-	23.251	14.97	0.431
X-ABDOMINAL EXT HGT	93.15	4.42	0.115Y	+	78.514	3.99	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND TROCHANTERIC HEIGHT

TROCHANTERIC HEIGHT

WEIGHT	69 .25	71 .25	73 .25	75 .25	77 .25	79 .25	81 .25	83 .25	85 .25	87 .25	89 .25	91 .25	93 .25	95 .25	97 .25	TOT ALS
200.00									1				1			2
195.00							1				1					2
190.00									1		1					2
185.00								2		5						7
180.00										2	1					3
175.00								1	4				2			7
170.00					1	1	2	1	1	4	2	1	1			14
165.00					1	2		3	2	5	3	1				17
160.00					1	3	2	6	3	3	8	3		1		30
155.00					1	3	6	10	5	8	9	4	2	1		49
150.00			1		2	3	5	13	21	15	7	4	1			72
145.00					4	4	16	14	32	24	17	6	4	1		122
140.00			2	1	8	8	20	32	24	24	13	7	3			142
135.00				3	8	17	33	30	41	33	9	3	1	2	1	181
130.00		1	3	2	17	36	52	32	45	27	10	4	1	1		231
125.00			3	9	13	44	39	53	40	26	7	3	3	1		241
120.00			4	5	22	43	45	49	24	16	7	2	2	1	1	221
115.00	1		4	18	27	36	44	43	16	12	6	2				209
110.00			4	21	27	29	24	25	15	4	3					152
105.00		4	5	6	20	29	21	19	5	4						113
100.00	1	1	3	6	16	16	6	9	1	2						61
95.00			3	3	5	5	3	2			1					22
90.00					1	2	1									4
85.00					1											1
TOTALS	2	6	32	74	175	281	320	344	281	214	105	40	21	8	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-WEIGHT	127.28	16.59	1.788X	-	20.536	14.73	0.460
X-TROCHANTERIC HGHT	82.67	4.27	0.118Y	+	67.653	3.79	

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND BUTTOCK HEIGHT

BUTTOCK HEIGHT

WEIGHT	65 .25	67 .25	69 .25	71 .25	73 .25	75 .25	77 .25	79 .25	81 .25	83 .25	85 .25	87 .25	89 .25	91 .25	93 .25	95 .25	97 .25	TOT ALS
200.00								1					1					2
195.00										1		1						2
190.00										1			1					2
185.00									1	2	1	1	2					7
180.00											3							3
175.00										3	1	1		1		1		7
170.00								3		1	2	4	2	2				14
165.00								1	2	2	3	5	4					17
160.00								3	3	4	9	4	4	2	1			30
155.00							1	1		6	9	15	6	2	6	2	1	49
150.00							1	2	3	5	16	22	15	5	2			1	72
145.00								2	10	13	22	27	33	10	2	2	1		122
140.00						2	1	13	15	16	23	30	25	10	5	1		1	142
135.00							3	10	20	31	36	41	18	13	7	2			181
130.00				1	4	8	25	29	54	44	30	25	9	1		1			231
125.00					3	11	20	37	48	54	40	14	7	5	1	1			241
120.00						12	24	47	53	41	21	10	7	5	1				221
115.00			2	1	5	21	28	42	41	34	22	9	2	2					209
110.00					10	15	34	31	22	23	12	4	1						152
105.00				1	5	15	24	27	20	11	7	3							113
100.00	1	1		1	2	7	12	19	11	5	1	1							61
95.00				1	2	4	5	5	4		1								22
90.00							2	1	1										4
85.00							1												1
TOTALS	1	1	2	5	33	99	203	294	331	332	288	179	80	40	10	5	2		1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-WEIGHT	127.28	16.59	1.863X	-	25.880	14.66	0.468
X-BUTTOCK HEIGHT	82.21	4.16	0.117Y	+	67.321	3.68	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND GLUTEAL FURROW HEIGHT

GLUTEAL FURROW HEIGHT

WEIGHT	59 .25	61 .25	63 .25	65 .25	67 .25	69 .25	71 .25	73 .25	75 .25	77 .25	79 .25	81 .25	83 .25	85 .25	87 .25	TOT ALS
200.00							1					1				2
195.00						1				1						2
190.00						1			1							2
185.00							2	2		3						7
180.00								2	1							3
175.00							1	2	2		1			1		7
170.00					1	2	1	1	2	4	2		1			14
165.00						1	4	1	3	6	2					17
160.00					3	2	3	8	4	4	3	3				30
155.00					1	2	7	14	7	4	7	5	1	1		49
150.00			1		3	2	8	18	15	17	3	2	2	1		72
145.00					5	7	11	23	26	31	13	4	1	1		122
140.00				7	5	19	21	20	26	24	13	5	2			142
135.00				2	6	25	40	38	26	19	18	4	2	1		181
130.00		1	1	6	16	34	41	47	42	24	17	1		1		231
125.00			1	3	21	37	47	49	40	23	14	2	2	2		241
120.00			3	6	20	34	40	60	28	15	9	5			1	221
115.00	1		4	7	26	41	40	39	28	15	6	2				209
110.00				8	21	38	40	24	14	4	2	1				152
105.00		1	2	13	16	23	30	13	11	2	2					113
100.00	2	1		4	10	17	14	9	3	1						61
95.00		1		2	4	9	3	2		1						22
90.00					1	1	2									4
85.00			1													1
TOTALS	3	4	13	58	159	296	356	372	279	198	112	35	11	8	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-WEIGHT	127.28	16.59	1.531X	+	15.977	15.44	0.366
X-GLUTEAL FURROW HGT	72.70	3.96	0.087Y	+	61.627	3.69	

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND TIBIALE HEIGHT

TIBIALE HEIGHT

WEIGHT	33 .75	34 .75	35 .75	36 .75	37 .75	38 .75	39 .75	40 .75	41 .75	42 .75	43 .75	44 .75	45 .75	46 .75	47 .75	48 .75	49 .75	TOT ALS
200.00								1								1		2
195.00						1						1						2
190.00								1		1								2
185.00							1		2			2	1	1				7
180.00										2	1							3
175.00									2	1	1	1	2					7
170.00				1	1		1	2		2	2	1	1		3			14
165.00									5		5	3	1	3				17
160.00							3	4	2	4	6	5	2	1	1	1	1	30
155.00							4	5	9	8	9	3	3	2	1	3	2	49
150.00					2	1	1	8	6	13	16	11	8	3		3		72
145.00						2	4	10	16	23	23	22	15	4	3			122
140.00				1	2	8	8	21	26	25	12	21	6	5	5	1	1	142
135.00					5	9	11	21	30	33	33	15	13	8	2		1	181
130.00			2	2	9	9	19	46	29	41	30	27	7	8	1	1		231
125.00			1	1	9	16	28	28	54	38	30	21	7	7	1			241
120.00			1	3	8	10	34	41	46	30	23	10	7	5	3			221
115.00			2	4	12	21	24	42	45	31	18	4	3	2	1			209
110.00				1	8	28	31	19	27	21	8	8	1					152
105.00				6	5	18	19	29	18	10	7	1						113
100.00	1	1			8	6	16	15	8	4	2							61
95.00			1	1	2	7	3	7	1									22
90.00					1	3												4
85.00				1														1
TOTALS	1	1	7	21	72	139	207	388	326	287	226	156	77	49	21	10	5	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-WEIGHT	127.28	16.59	2.847X	+	7.758	15.14	0.408
X-TIBIALE HEIGHT	41.98	2.38	0.058Y	+	34.600	2.17	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND CROTCH HEIGHT

CROTCH HEIGHT

WEIGHT	61 .25	63 .25	65 .25	67 .25	69 .25	71 .25	73 .25	75 .25	77 .25	79 .25	81 .25	83 .25	85 .25	87 .25	TOT ALS
200.00							1						1		2
195.00						1			1						2
190.00									2						2
185.00							1	3	1	2					7
180.00								3							3
175.00							2	2	1			1	1		7
170.00				1		3		2	3	2	2	1			14
165.00						1	2	3	2	6	1	2			17
160.00				1			4	9	2	5	4	5			30
155.00				1		3	5	11	11	5	3	7	1	2	49
150.00				2		5	5	16	19	15	5	4		1	72
145.00			1		1	8	12	26	24	24	18	6	1	1	122
140.00				4	6	13	23	33	19	23	14	4	1	2	142
135.00				2	12	19	26	41	36	24	13	6		2	181
130.00			4	4	20	30	47	47	43	23	10	2	1		231
125.00			2	8	16	32	53	66	28	21	11	2	2		241
120.00			2	11	17	47	53	39	27	15	5	4		1	221
115.00		1	4	10	32	39	51	33	26	7	3	2	1		209
110.00			3	13	27	34	33	22	14	2	4				152
105.00		2	2	13	16	24	29	13	11	1	2				113
100.00	2		2	6	18	10	10	11	1	1					61
95.00		1	1	2	6	9	2			1					22
90.00					1	2	1								4
85.00				1											1
TOTALS	2	4	21	79	172	280	360	380	271	177	95	46	9	9	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-WEIGHT	127.28	16.59	1.772X	-	4.740	14.97	0.431
X-CROTCH HEIGHT	74.50	4.03	0.105Y	+	61.140	3.64	

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND LATERAL MALLEOLUS HEIGHT

LATERAL MALLEOLUS HEIGHT

WEIGHT	5 .00	5 .50	6 .00	6 .50	7 .00	7 .50	8 .00	8 .50	TOT ALS
200.00					1	1			2
195.00					1	1			2
190.00					1		1		2
185.00				2	3	1	1		7
180.00				1		1	1		3
175.00				3	1	1		2	7
170.00			2		8	1	3		14
165.00			1	4	8	2	2		17
160.00				6	14	7	2	1	30
155.00		1	4	15	15	6	7	1	49
150.00		1	6	18	20	18	8	1	72
145.00		1	10	28	40	31	8	4	122
140.00		6	12	37	58	19	8	2	142
135.00	2	3	26	45	72	25	8		181
130.00	2	7	34	55	83	33	15	2	231
125.00	4	4	33	60	104	29	6	1	241
120.00		3	41	60	79	30	6	2	221
115.00	1	6	40	65	71	19	7		209
110.00	2	5	32	46	49	12	5	1	152
105.00	3	9	22	34	34	10	1		113
100.00		1	19	17	19	4	1		61
95.00			9	8	4	1			22
90.00				3	1				4
85.00					1				1
TOTALS	14	47	291	507	687	252	90	17	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-WEIGHT	127.28	16.59	6.963X	+	80.116	16.08	0.246
X-LAT"L MALLEOLUS HT	6.77	0.59	0.009Y	+	5.628	0.57	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND SITTING HEIGHT, RELAXED

SITTING HEIGHT, RELAXED

WEIGHT	73 .75	74 .75	75 .75	76 .75	77 .75	78 .75	79 .75	80 .75	81 .75	82 .75	83 .75	84 .75	85 .75	86 .75	87 .75	88 .75	89 .75	90 .75	91 .75	92 .75	93 .75	94 .75	95 .75	TOT ALS
200.00													1					1						2
195.00													1				1							2
190.00												1	1											2
185.00								1						3	1		1		1					7
180.00														1				1		1				3
175.00										2			1	1	1	1						1		7
170.00								1	1	1		1	2		4	1	1	1		1				14
165.00							1			2	2	1	1	2	2	2	1	2	1					17
160.00									1		2	1	4	7	3	7	1	1	2		1			30
155.00								3		2	2	10	8	10	5	4	1	1	1	1	1			49
150.00						1		1	3	2	8	12	9	15	3	8	3	5	1	1				72
145.00						1	1	3	4	9	14	8	16	18	16	12	9	6	2	2			1	122
140.00					2	1	2	6	5	15	18	14	17	19	16	15	3	3	3	2	1			142
135.00				2		5	4	7	10	22	21	23	26	17	18	11	7	4	3	1				181
130.00			1	1		5	9	15	16	21	21	28	34	35	17	17	10		1					231
125.00		1		2	4	3	11	22	28	32	30	34	26	17	13	9	4	3		1	1			241
120.00	1				10	6	16	15	14	31	26	35	23	20	10	5	4	4	1					221
115.00				4	1	9	14	25	24	30	33	24	16	15	8	3	3							209
110.00			1	2	7	10	8	12	25	20	21	15	10	10	7	1	3							152
105.00			1	3	6	8	7	15	22	17	13	7	5	5	2	2								113
100.00		2		2	4	8	6	14	10	5	4	1	2	2		1								61
95.00				1	2	4	3	4	3	2	1	1		1										22
90.00						1		2		1														4
85.00										1														1
TOTALS	1	3	3	17	36	62	82	146	166	215	216	216	203	198	126	99	52	32	16	10	4	1	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-WEIGHT	127.28	16.59	2.303X	-	66.810	14.80	0.452
X-SITTING HT,RELAXED	84.28	3.25	0.089Y	+	72.950	2.90	

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND SITTING HEIGHT

SITTING HEIGHT

WEIGHT	75 .75	76 .75	77 .75	78 .75	79 .75	80 .75	81 .75	82 .75	83 .75	84 .75	85 .75	86 .75	87 .75	88 .75	89 .75	90 .75	91 .75	92 .75	93 .75	94 .75	95 .75	96 .75	TOT ALS
200.00														1				1					2
195.00												1					1						2
190.00												2											2
185.00							1					1	3			1		1					7
180.00														1			1		1				3
175.00										1	1		2		2					1			7
170.00							1		1	2			1	5	1	1			1	1			14
165.00								1		2	2		4	2		2	3	1					17
160.00								1	1	1	1	2	4	5	6	4	2	1	1	1			30
155.00							2			5	8	9	5	8	6	1	2	1	1	1			49
150.00						1		2	2	5	12	9	11	8	9	3	7	3					72
145.00					1	2	3	1	5	15	12	13	19	12	21	5	9	2	1			1	122
140.00					1		4	5	10	22	19	14	22	18	14	7	1	2	3				142
135.00			2		1	2	7	9	15	25	28	27	17	19	12	7	3	7					181
130.00				1	4	3	17	11	29	20	32	31	25	24	20	11	2	1					231
125.00	1		2	1	2	10	17	28	33	35	34	25	25	9	8	2	5	2	1	1			241
120.00			1	1	7	16	14	18	22	31	26	34	22	15	6	4	2	2					221
115.00			2	3	5	11	21	30	28	34	26	16	18	10	3	2							209
110.00		1	1	3	9	10	13	24	17	26	12	15	10	4	4	1	2						152
105.00			2	6	6	5	18	20	18	18	6	5	5	1	1	2							113
100.00	2			4	6	6	13	12	6	6	1	4			1								61
95.00			1	1	5	2	6	2	3		1	1											22
90.00				1			2	1															4
85.00										1													1
TOTALS	3	1	11	21	47	68	139	165	190	249	221	209	193	142	114	53	40	24	9	5	0	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-WEIGHT	127.28	16.59	2.519X	-	88.344	14.54	0.481
X-SITTING HEIGHT	85.60	3.17	0.092Y	+	73.890	2.78	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND EYE HEIGHT, SITTING

EYE HEIGHT, SITTING

WEIGHT	63 .75	64 .75	65 .75	66 .75	67 .75	68 .75	69 .75	70 .75	71 .75	72 .75	73 .75	74 .75	75 .75	76 .75	77 .75	78 .75	79 .75	80 .75	81 .75	82 .75	TOT ALS
200.00														1			1				2
195.00											1						1				2
190.00													1	1							2
185.00									1		1		1	2		1	1				7
180.00															2				1		3
175.00									1		2			1	2					1	7
170.00								1	3			1	2	3	1	1		1	1		14
165.00								1	1	1	2	2	1	3	1	1	2	2			17
160.00										3	4	2	4	3	4	4	2	1	1	2	30
155.00							1	2	1	3	8	5	11	7	6	1	2	1	1		49
150.00								3	5	5	11	6	9	12	7	7	3	2	2		72
145.00					2	1	1	4	6	14	18	13	16	18	8	12	4	1	2	2	122
140.00						1	2	5	14	21	15	27	14	9	17	12	3		2		142
135.00			1		1	4	5	8	17	17	32	27	26	16	12	7	5	2	1		181
130.00				1	2	5	7	18	24	26	26	33	31	25	18	9	4	1		1	231
125.00				3	7	6	11	32	30	34	29	29	26	14	8	6	2	2	2		241
120.00		1		2	7	9	15	17	26	29	31	26	22	20	9	4	1	2			221
115.00	1		1	3	5	9	18	26	35	31	36	19	12	8	2	2	1				209
110.00			1	1	7	15	9	17	24	24	12	17	11	6	3	2	2	1			152
105.00		1	2	3	2	6	9	24	19	16	12	7	3	7	1	1					113
100.00		1	2		6	6	14	5	12	9	3	2	1								61
95.00				2	3	4	5	2	2	1	2		1								22
90.00				1					1	2											4
85.00										1											1
TOTALS	1	3	7	16	42	66	97	165	222	237	245	216	192	156	101	70	34	16	13	6	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-WEIGHT	127.28	16.59	2.429X	-	51.746	14.83	0.448
X-EYE HEIGHT,SITTING	73.70	3.06	0.083Y	+	63.140	2.73	

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND MIDSHOULDER HEIGHT, SITTING

MIDSHOULDER HEIGHT, SITTING

WEIGHT	50 .75	51 .75	52 .75	53 .75	54 .75	55 .75	56 .75	57 .75	58 .75	59 .75	60 .75	61 .75	62 .75	63 .75	64 .75	65 .75	66 .75	TOT ALS
200.00												1		1				2
195.00												1		1				2
190.00										1		1						2
185.00						1				4				1	1			7
180.00										1				1	1			3
175.00							1		1	1	2		1		1			7
170.00							1		2	3	2	4			2			14
165.00								3	3	3	1	2	4	1				17
160.00							1	1	5	4	6	5	3	1	2	1	1	30
155.00						1	8	6	4	10	8	5	5	1		1		49
150.00					1	3	6	8	9	15	9	10	4	6			1	72
145.00				1	2	5	11	15	20	26	11	16	7	3	4		1	122
140.00					9	6	15	18	27	31	11	13	6	4	1	1		142
135.00			1	3	9	16	22	34	28	21	17	17	8	5				181
130.00			2	7	8	18	37	37	37	34	24	14	8	4	1			231
125.00		2	4	10	18	36	36	50	29	26	14	8	5	2	1			241
120.00		2	6	12	17	23	33	43	31	29	12	9	3	1				221
115.00		1	7	17	18	37	37	39	18	18	11	3	1	2				209
110.00		2	6	15	20	25	24	23	10	10	14	1	1	1				152
105.00	1	1	9	11	18	25	19	13	8	5	2		1					113
100.00	2	2	7	12	11	8	8	7	1		3							61
95.00		3	3	2	3	3	5	3										22
90.00		1			1	1	1											4
85.00							1											1
TOTALS	3	14	45	90	135	208	266	300	233	242	147	110	57	35	14	3	3	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-WEIGHT	127.28	16.59	3.103X	-	52.685	14.39	0.497
X-MIDSHOULDER HT,SIT	58.00	2.66	0.080Y	+	47.815	2.31	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND WAIST HEIGHT, SITTING

WAIST HEIGHT, SITTING

WEIGHT	18 .00	18 .50	19 .00	19 .50	20 .00	20 .50	21 .00	21 .50	22 .00	22 .50	23 .00	23 .50	24 .00	24 .50	25 .00	25 .50	26 .00	26 .50	27 .00	27 .50	28 .00	28 .50	29 .00	TOT ALS
200.00														1							1			2
195.00																			1	1				2
190.00											1								1					2
185.00					1			1						1			3		1					7
180.00															1			2						3
175.00										2		1	2	2										7
170.00										1			1	3	5	3	1							14
165.00											2	1	3	5	1	1	1	1			1		1	17
160.00										4	2	2	1	4	2	3	4	1	4	1	1		1	30
155.00								1	4	6	3	5	3	6	8	4	3	1	2	1	2			49
150.00						3	1		4	2	5	4	8	13	8	10	6	1	4	2	1			72
145.00			1		3	2		3	7	6	20	11	22	14	9	9	4	4	3	4				122
140.00				1	1	2	5	5	11	5	15	17	15	18	16	18	4	4	3	2				142
135.00		1	1	1	4	5	4	8	12	15	16	21	23	20	21	10	12	5	2					181
130.00		1			7	7	8	22	15	21	29	27	21	24	16	15	10	3	1	3			1	231
125.00		1		1	5	6	15	15	22	24	26	22	34	21	23	8	7	8	3					241
120.00			3	3	3	5	12	17	22	22	13	32	32	19	18	7	7	1	2	3				221
115.00			2	1	5	5	12	15	35	27	21	24	18	24	10	4	3	3						209
110.00	2	1	1	1	4	4	4	16	21	19	18	24	17	8	8	3			1					152
105.00		2	1	4	4	6	15	10	13	8	21	14	7	5	2		1							113
100.00	1		2		2	3	6	10	10	6	6	8	4	1	2									61
95.00			1		3	2	4	5	2	3	1	1												22
90.00						1			1		1		1											4
85.00												1												1
TOTALS	3	6	12	12	42	51	86	128	179	171	200	215	212	189	150	95	66	34	28	17	6	0	3	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-WEIGHT	127.28	16.59	3.694X	+	40.962	15.30	0.386
X-WAIST HGHT,SITTING	23.37	1.73	0.040Y	+	18.276	1.60	

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND ELBOW REST HEIGHT

ELBOW REST HEIGHT

WEIGHT	14 .75	15 .75	16 .75	17 .75	18 .75	19 .75	20 .75	21 .75	22 .75	23 .75	24 .75	25 .75	26 .75	27 .75	28 .75	29 .75	TOT ALS
200.00								1							1		2
195.00									1			1					2
190.00										1	1						2
185.00					1			2		2		1			1		7
180.00									1				1		1		3
175.00			1			1		1		1	2	1					7
170.00						2	1		1	4	1	4		1			14
165.00							1	4	2	3	1	3		3			17
160.00						1	3	2	6	5	5	6	1		1		30
155.00			1		2	4	5	8	12	7	4	2	2	1		1	49
150.00				1	3	2	6	13	9	15	9	6	3	3	2		72
145.00			3		8	6	17	21	15	20	14	5	5	4	4		122
140.00				1	4	16	8	23	21	28	17	13	3	4	4		142
135.00			2	2	5	17	20	33	33	16	24	12	10	1	5	1	181
130.00			1	3	10	21	23	31	38	32	22	25	14	9	2		231
125.00		2		3	12	26	35	28	40	39	27	17	5	4	3		241
120.00			2	5	12	21	23	29	35	35	25	18	10	3	3		221
115.00		1		4	13	23	27	28	27	33	26	11	6	6	4		209
110.00	1		1	3	10	17	15	23	24	18	16	14	9			1	152
105.00				3	8	16	16	19	16	19	13	1	2				113
100.00	1		1	6	4	8	10	12	9	5	1	2	1	1			61
95.00		1		1	1	1	5	4	4	2	3						22
90.00				1				1	1	1							4
85.00												1					1
TOTALS	2	4	12	33	93	182	215	283	295	286	211	143	72	40	31	3	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-WEIGHT	127.28	16.59	1.080X	+	102.759	16.37	0.160
X-ELBOW REST HEIGHT	22.71	2.46	0.024Y	+	19.651	2.43	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND POPLITEAL HEIGHT

POPLITEAL HEIGHT

WEIGHT	33 .75	34 .75	35 .75	36 .75	37 .75	38 .75	39 .75	40 .75	41 .75	42 .75	43 .75	44 .75	45 .75	46 .75	TOT ALS
200.00								1						1	2
195.00							1				1				2
190.00								1	1						2
185.00							1		2	3		1			7
180.00							1		1	1					3
175.00								2		2	1	2			7
170.00						1	2	3	1	4		1	2		14
165.00							3		7	3	2	2			17
160.00					1		1	7	6	6	6	1	1	1	30
155.00						2	2	10	12	9	4	4	3	3	49
150.00				1	1	3	3	16	21	12	10	3	2		72
145.00				1		2	15	18	30	25	19	8	4		122
140.00			1	1	4	6	24	29	29	17	20	7	4		142
135.00			1		5	12	15	32	54	37	15	6	3	1	181
130.00			2	2	12	15	42	49	56	28	18	6	1		231
125.00			3	6	12	12	37	70	58	25	12	5	1		241
120.00		1		3	8	19	42	74	41	20	4	7	1	1	221
115.00		1	3	4	12	22	35	63	39	22	2	3		3	209
110.00			2	7	12	18	35	43	24	9	2				152
105.00		1	1	3	5	22	26	32	18	4			1		113
100.00	1	1	1		8	7	14	24	4	1					61
95.00		1		1	3	5	5	5	1					1	22
90.00				1			2	1							4
85.00							1								1
TOTALS	1	5	14	30	83	146	307	480	405	228	116	56	23	11	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-WEIGHT	127.28	16.59	3.299X	-	8.134	15.41	0.370
X-POPLITEAL HEIGHT	41.05	1.86	0.042Y	+	35.702	1.73	

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND BUTTOCK-POPLITEAL LENGTH

BUTTOCK-POPLITEAL LENGTH

WEIGHT	38 .75	39 .75	40 .75	41 .75	42 .75	43 .75	44 .75	45 .75	46 .75	47 .75	48 .75	49 .75	50 .75	51 .75	52 .75	53 .75	54 .75	55 .75	56 .75	57 .75	58 .75	TOT ALS
200.00												1					1					2
195.00										1	1											2
190.00																	2					2
185.00													2	2	1		2					7
180.00										1			1		1							3
175.00										1		2			2	1					1	7
170.00								1				5	3	1	2		2					14
165.00								1	2	1	3	2	2	2	3	1						17
160.00							1	1	2	4	1	5	2	7	3	2	2					30
155.00							1	1	4	1	6	13	10	6	3	3	1					49
150.00								5	3	4	8	19	14	5	5	2	4	3				72
145.00						4	1	3	7	13	21	28	17	13	4	7	3	1				122
140.00					1	3	8	8	19	27	19	25	14	6	6	4	1	1				142
135.00					2	1	13	15	22	30	25	28	21	14	5	3	1		1			181
130.00				1		6	24	29	30	39	44	29	12	10	2	2	3					231
125.00					2	9	23	28	41	46	37	19	18	8	4	3	1	2				241
120.00				1	6	14	26	44	32	33	29	14	12	6	3		1					221
115.00		1		6	8	18	36	41	35	31	11	12	4	3	3							209
110.00			3	2	5	15	39	27	24	21	10	3	2				1					152
105.00				4	12	15	21	18	23	12	5	2	1									113
100.00		1	1	2	7	7	15	18	5	3	2											61
95.00		1			5	3	4	3	5				1									22
90.00				1	1	1			1													4
85.00	1																					1
TOTALS	1	3	4	17	49	96	212	243	255	268	222	207	136	83	47	28	25	7	1	0	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-WEIGHT	127.28	16.59	3.398X	-	34.839	13.68	0.565
X-BUTTOCK-POPLIT"L L	47.71	2.76	0.094Y	+	35.746	2.28	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND BUTTOCK-KNEE LENGTH

BUTTOCK-KNEE LENGTH

WEIGHT	48 .75	49 .75	50 .75	51 .75	52 .75	53 .75	54 .75	55 .75	56 .75	57 .75	58 .75	59 .75	60 .75	61 .75	62 .75	63 .75	64 .75	65 .75	66 .75	TOT ALS
200.00														1					1	2
195.00											1	1								2
190.00																1	1			2
185.00													1	2	3		1			7
180.00											1	1	1							3
175.00												2	1	2		1		1		7
170.00									1		2	2	3	3	2	1				14
165.00							1				4	3	1	4	2	2				17
160.00									1	4	4	4	6	4	3	3	1			30
155.00							1	2	1	2	2	11	10	13	5	1	1			49
150.00								1	3	5	13	17	16	9	2	5	1			72
145.00								2	7	11	28	26	22	13	8	5				122
140.00						1	6	7	19	24	26	28	16	9	4	2				142
135.00						2	9	13	27	31	25	38	17	13	3	3				181
130.00						4	16	27	50	47	44	21	12	7	2	1				231
125.00					3	7	16	35	51	56	33	24	9	4	3					241
120.00				1	3	11	34	42	54	35	21	10	6	2	2					221
115.00			5	1	8	25	29	48	48	22	14	5	2	2						209
110.00				1	12	38	23	31	31	12	1	2		1						152
105.00			1	10	16	21	18	21	17	6	3									113
100.00	1	1		9	5	20	13	7	2	3										61
95.00	1		1	1	2	7	9				1									22
90.00			1	1	1		1													4
85.00			1																	1
TOTALS	2	1	9	24	50	136	176	236	312	258	223	195	123	89	39	25	5	1	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-WEIGHT	127.28	16.59	4.371X	-	123.736	11.94	0.694
X-BUTTOCK-KNEE LNGTH	57.43	2.63	0.110Y	+	43.427	1.90	

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND ACROMION-RADIALE LENGTH

ACROMION-RADIALE LENGTH

WEIGHT	25 .50	26 .00	26 .50	27 .00	27 .50	28 .00	28 .50	29 .00	29 .50	30 .00	30 .50	31 .00	31 .50	32 .00	32 .50	33 .00	33 .50	34 .00	34 .50	35 .00	35 .50	36 .00	36 .50	TOT ALS
200.00													1						1					2
195.00											1							1						2
190.00															2									2
185.00												2	1	1			1	1	1					7
180.00															1	1	1							3
175.00												1	2		2						2			7
170.00									1			2	1	2	3		3	1	1					14
165.00							1		1		1		2	2	6	2	1	1						17
160.00								1			4	3	6	3	4	4	4						1	30
155.00							1			3	3	6	6	5	8	3	7	1	2	1	1	2		49
150.00			1						1	2	6	7	10	13	14	7	5	4	1	1				72
145.00						2	1	2	4	5	4	8	14	11	32	16	12	5	3	2		1		122
140.00					1	2	2	9	5	8	17	17	15	17	15	9	13	4	5	1	1	1		142
135.00					1		3	3	14	14	25	29	22	14	25	9	10	8	3		1			181
130.00				1	1	4	10	12	12	27	30	30	29	27	18	11	13	3	1			2		231
125.00					4	5	10	11	24	29	33	25	30	26	22	17	1	4						241
120.00		1		1	3	4	12	13	14	26	44	24	26	16	16	13	5	1			2			221
115.00	2		3	1	6	12	15	11	16	30	26	24	26	16	13	5	3							209
110.00					1	7	13	13	28	19	24	12	15	7	9	3		1						152
105.00		2			2	9	9	16	12	14	17	14	5	2		2								113
100.00		2			1	2	8	8	5	9	9	6	6	3		1		1						61
95.00				1	1	2	2	4	1	4	3	1	1	2										22
90.00									2	2														4
85.00								1																1
TOTALS	2	5	4	4	21	49	87	96	144	191	240	215	224	173	191	101	81	40	18	5	7	6	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-WEIGHT	127.28	16.59	4.501X	-	12.276	14.69	0.441
X-ACROMION-RADIALE L	31.01	1.63	0.043Y	+	25.533	1.46	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND RADIALE-STYLION LENGTH

RADIALE-STYLION LENGTH

WEIGHT	19.00	19.50	20.00	20.50	21.00	21.50	22.00	22.50	23.00	23.50	24.00	24.50	25.00	25.50	26.00	26.50	27.00	27.50	28.00	TOTALS
200.00									1							1				2
195.00											2									2
190.00									1		1									2
185.00									2	1	1	2			1					7
180.00									1		1	1								3
175.00										1	2		3			1				7
170.00						1		1			4	1	3	1	1			1		14
165.00							1	1	1	2	3	3	1	1	3	1				17
160.00								3	3	5	4	2	5	3	3	1	1			30
155.00				1	1	1		1	2	10	11	7		3	5	2	2	3		49
150.00					3	1	2	4	4	16	17	10	6	6	2		1			72
145.00		1			2	2	4	4	15	15	19	22	11	10	4	11	1		1	122
140.00			1	2	1	4	12	17	14	19	26	12	9	14	7	3	1			142
135.00			1	3	1	4	15	14	28	18	34	26	17	13	4	2	1			181
130.00		1		1	4	14	23	20	32	53	30	26	14	4	4	1	3	1		231
125.00		1		4	3	14	14	34	40	38	36	24	14	8	4	3	4			241
120.00			2	3	5	14	24	41	31	43	19	16	10	7	5	1				221
115.00	1		2	6	8	13	30	31	31	29	16	28	5	4	3	1	1			209
110.00			2	9	7	20	18	28	20	14	18	10	3	2	1					152
105.00				4	10	17	15	20	16	15	5	5	5	1						113
100.00			3		6	5	9	12	8	10	4	3	1							61
95.00			1	1	3	1	3	7	2	2	1			1						22
90.00						1	3													4
85.00						1														1
TOTALS	1	3	12	34	54	113	173	238	252	295	251	200	105	78	47	28	15	5	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-WEIGHT	127.28	16.59	4.557X	+	20.709	15.37	0.376
X-RADIALE-STYLION L	23.39	1.37	0.031Y	+	19.441	1.27	

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND THUMB-TIP REACH

THUMB-TIP REACH

WEIGHT	62.75	63.75	64.75	65.75	66.75	67.75	68.75	69.75	70.75	71.75	72.75	73.75	74.75	75.75	76.75	77.75	78.75	79.75	80.75	81.75	82.75	83.75	84.75	85.75	86.75	TOTALS
200.00															1										1	2
195.00														1		1										2
190.00														1		1										2
185.00									1			1	1		2				2							7
180.00													1		1	1										3
175.00													2	1			1	1		1			1			7
170.00						1	1			1	1		2		1	3		2	1	1						14
165.00									1			2	1		3	2	3	3	1	1						17
160.00								1		1	4	3	3		4	5	3	4	1	1						30
155.00							1	1	3	1	4	3	1	4	3	6	6	5	1	3	4	1	1	1		49
150.00							1	2	3	3	3	5	10	6	8	8	5	13	2	2	1					72
145.00				1			1	1	4	6	6	8	9	20	14	16	11	10	1	6	4	2	1	1		122
140.00			1			2		4	12	8	13	17	21	8	18	9	8	9	4	3	1	1		1	2	142
135.00					1	2	4	5	9	14	16	15	19	23	22	18	15	7	6	3		2				181
130.00		1	1		3		4	9	15	20	25	26	35	20	22	14	13	9	6	3	3		1	1		231
125.00			1	2	4	6	9	19	15	25	18	20	33	27	22	17	8	6	4	4	1					241
120.00	1	1		1	5	6	12	12	11	21	29	30	24	17	14	19	9	5	2		2					221
115.00		2	1	5	5	5	14	20	17	29	25	27	20	10	11	7	4	4		1	1			1		209
110.00		1	1	9	6	11	6	9	20	16	21	10	13	14	9	2	1	1	1	1						152
105.00	2	2		4	7	10	7	8	17	11	16	11	6	4	5	3										113
100.00			1	2	4	3	7	6	6	6	7	4	5	2	3	3	2									61
95.00				1	2	2	1		4	3	2	2	3	1			1									22
90.00					1	1		1		1																4
85.00								1																		1
TOTALS	3	7	6	25	38	49	68	99	138	166	190	184	209	159	163	135	90	79	32	30	17	6	4	5	3	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-WEIGHT	127.28	16.59	1.851X	-	9.935	14.95	0.433
X-THUMB-TIP REACH	74.13	3.88	0.101Y	+	61.276	3.49	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND THUMB-TIP REACH, EXTENDED

THUMB-TIP REACH, EXTENDED

WEIGHT	71 .25	73 .25	75 .25	77 .25	79 .25	81 .25	83 .25	85 .25	87 .25	89 .25	91 .25	93 .25	95 .25	97 .25	99 .25	TOT ALS
200.00							1						1			2
195.00								1						1		2
190.00						1				1						2
185.00						1	1	2	1	1			1			7
180.00								1		1	1					3
175.00									2	3		1	1			7
170.00				1		2	1	2	4	1	2	1				14
165.00							5	3	1	4	2	1		1		17
160.00						3	3	7	10	3	3			1		30
155.00				1		6	7	8	8	8	4	4	1	1	1	49
150.00					5	3	12	13	16	9	6	5	3			72
145.00			2	1	5	7	15	27	23	16	14	8	3	1		122
140.00				6	13	23	18	13	32	11	15	4	5	2		142
135.00		2	4	4	17	19	28	38	27	17	11	8	3	3		181
130.00		1	5	9	20	42	31	46	36	15	15	4	4	3		231
125.00		3	3	19	34	35	47	38	19	15	14	9	4	1		241
120.00	1	1	8	16	30	41	50	35	19	10	9	1				221
115.00	2	5	11	29	35	29	31	29	20	7	6	4		1		209
110.00		3	15	21	23	23	37	13	9	3	2	2	1			152
105.00	1	8	10	16	18	19	16	12	9	2	2					113
100.00		9	6	6	11	12	5	4	4	3		1				61
95.00			2	7	5	5	2		1							22
90.00					3	1										4
85.00					1											1
TOTALS	4	32	66	136	220	272	310	292	241	130	106	53	27	15	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-WEIGHT	127.28	16.59	1.435X	+	6.981	15.04	0.422
X-THUMB-TIP,EXTENDED	83.83	4.88	0.124Y	+	68.050	4.42	

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND OVERHEAD REACH

OVERHEAD REACH

WEIGHT	175 .75	178 .75	181 .75	184 .75	187 .75	190 .75	193 .75	196 .75	199 .75	202 .75	205 .75	208 .75	211 .75	214 .75	217 .75	220 .75	223 .75	226 .75	TOT ALS
200.00									1					1					2
195.00									1		1								2
190.00								1					1						2
185.00									2	2	1	1				1			7
180.00											1	1		1					3
175.00									1	2	1		1	1				1	7
170.00						1	2			2	3	4	2						14
165.00							1	1	1	6	3	2	1	1	1				17
160.00					1		3	4	2	1	3	8	4	4					30
155.00						1	3	6	4	7	3	4	14	2	2	1	2		49
150.00						2	2	3	8	8	18	11	13	7					72
145.00			1		4	2	2	5	13	22	23	21	14	6	6	1	2		122
140.00				4	4	4	10	26	15	21	20	13	11	7	4	1	1	1	142
135.00				4	6	9	17	19	26	38	14	21	14	7	3	2	1		181
130.00	1	1	2	3	10	18	22	33	35	35	25	25	14	6	1				231
125.00			2	7	13	19	33	46	31	35	15	18	13	5	3		1		241
120.00		1	4	14	9	29	30	34	34	22	18	16	6	3		1			221
115.00		1	4	17	20	24	28	36	26	33	10	5	3	2					209
110.00		3	7	13	19	16	29	24	16	13	4	2	2	3	1				152
105.00	1		7	8	17	14	23	17	12	8	5	1							113
100.00	1		5	13	11	9	7	5	2	6		2							61
95.00	1	2	2	2	5	4	3	1	1	1									22
90.00					1	2	1												4
85.00					1														1
TOTALS	4	8	34	85	121	154	216	261	231	262	168	155	113	56	21	7	7	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-WEIGHT	127.28	16.59	0.940X	-	59.990	14.51	0.485
X-OVERHEAD REACH	199.23	8.56	0.250Y	+	167.405	7.48	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND NECK CIRCUMFERENCE

NECK CIRCUMFERENCE

WEIGHT	28 .50	29 .00	29 .50	30 .00	30 .50	31 .00	31 .50	32 .00	32 .50	33 .00	33 .50	34 .00	34 .50	35 .00	35 .50	36 .00	36 .50	37 .00	37 .50	38 .00	38 .50	39 .00	39 .50	40 .00	TOT ALS
200.00																1				1					2
195.00																				2					2
190.00																				1		1			2
185.00								1							1	2		1			1	1			7
180.00																2			1						3
175.00									1				1				1	1	1	1	1				7
170.00											1		1		1	1	4	1	2	2		1			14
165.00											1		3			4	4	1	1	1	1			1	17
160.00									1	1		1	3	6	5	4	3	2	2	2					30
155.00								2	1		2	6	3	10	5	4	6	6	1	1	2				49
150.00									1	7	4	12	8	14	10	5	1	3	2	3	2				72
145.00								3	3	8	7	17	16	20	14	15	8	7		2	1	1			122
140.00							1	2	10	16	11	18	23	24	15	11	4	5	1			1			142
135.00						3	3	11	8	27	19	36	14	28	17	9	2	3	1						181
130.00					2	10	9	21	9	26	24	39	20	31	13	10	3	2	2			2			231
125.00				1	2	5	15	19	27	45	24	37	18	28	12	6	1					1			241
120.00				3	3	9	13	30	27	37	23	24	25	12	7	5		1		2					221
115.00				2	1	10	15	22	19	38	27	31	20	14	2	3	4	1							209
110.00	1		1	4	6	10	11	23	25	24	17	11	10	2	1	3	2	1							152
105.00				4	3	9	17	20	16	15	10	8	9	1	1										113
100.00				2	7	6	7	9	14	4	7	2	1	1	1										61
95.00			2	3	3	3	3	2	1	2				3											22
90.00			1				1		2																4
85.00						1																			1
TOTALS	1	0	4	19	27	66	95	165	165	250	177	242	175	194	105	93	43	35	14	18	8	8	0	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-WEIGHT	127.28	16.59	5.757X	-	67.013	13.49	0.582
X-NECK CIRCUMFERENCE	33.75	1.68	0.059Y	+	26.240	1.36	

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND SHOULDER CIRCUMFERENCE

SHOULDER CIRCUMFERENCE

WEIGHT	87 .25	89 .25	91 .25	93 .25	95 .25	97 .25	99 .25	101 .25	103 .25	105 .25	107 .25	109 .25	111 .25	113 .25	115 .25	117 .25	119 .25	121 .25	TOT ALS
200.00														1				1	2
195.00																1	1		2
190.00													1			1			2
185.00												1		1	3		2		7
180.00											1			1	1				3
175.00									1			1	1	1	2	1			7
170.00									1		2	5	1	2	2	1			14
165.00									2	2	4	6	1		2				17
160.00								1	1	3	2	15	1	2	1	3	1		30
155.00							1	1	5	10	10	13	6	3					49
150.00					1				3	19	13	17	12	5	2				72
145.00						2	4	19	28	23	29	12	4	1					122
140.00					3	5	14	24	28	34	22	8	3	1					142
135.00				2	6	5	22	56	44	28	16	1	1						181
130.00				1	9	28	52	58	48	27	7	1							231
125.00			1	1	24	44	72	56	28	12	3								241
120.00				14	29	53	74	32	16	3									221
115.00			5	21	48	60	54	15	5	1									209
110.00		2	7	25	49	47	14	8											152
105.00		4	11	37	29	25	6	1											113
100.00		6	15	21	17	2													61
95.00	1	2	10	6	3														22
90.00			2	2															4
85.00	1																		1
TOTALS	2	14	51	130	218	271	313	274	226	156	113	75	24	15	11	7	4	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-WEIGHT	127.28	16.59	2.695X	-	143.330	9.13	0.835
X-SHOULDER CIRCUMFER	100.41	5.14	0.259Y	+	67.447	2.63	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND CHEST CIRCUMFERENCE AT SCYE

CHEST CIRCUMFERENCE AT SCYE

WEIGHT	71 .25	73 .25	75 .25	77 .25	79 .25	81 .25	83 .25	85 .25	87 .25	89 .25	91 .25	93 .25	95 .25	97 .25	99 .25	101 .25	103 .25	TOT ALS
200.00														1		1		2
195.00															1	1		2
190.00												1					1	2
185.00														2	2	2	1	7
180.00										1	1			1				3
175.00											1	1	1		3	1		7
170.00										1	2	3	4	1	2	1		14
165.00									1	3	4	5	3			1		17
160.00								1	3	3	9	1	7	3	1	2		30
155.00								2	4	17	10	8	5	1	1	1		49
150.00							1	4	6	12	13	17	10	5	2	2		72
145.00							4	7	23	30	30	18	1	9				122
140.00							7	16	38	29	28	18	2	3	1			142
135.00					1	5	15	42	42	34	31	8	1	1	1			181
130.00					1	11	40	52	52	44	19	7	5					231
125.00			1	1	5	17	46	75	61	20	10	2	3					241
120.00				2	10	36	60	53	45	10	4		1					221
115.00			1	4	18	52	62	47	20	3	2							209
110.00			2	4	29	37	46	24	8	2								152
105.00			4	12	27	35	24	9	1	1								113
100.00			3	14	23	16	4	1										61
95.00			3	6	8	4		1										22
90.00			2		1	1												4
85.00	1																	1
TOTALS	1	16	43	123	214	309	331	299	193	162	97	42	38	13	12	10	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-WEIGHT	127.28	16.59	2.684X	-	98.842	9.88	0.803
X-CHEST CIRC AT SCYE	84.25	4.96	0.240Y	+	53.701	2.96	

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND BUST CIRCUMFERENCE

BUST CIRCUMFERENCE

WEIGHT	75 .25	77 .25	79 .25	81 .25	83 .25	85 .25	87 .25	89 .25	91 .25	93 .25	95 .25	97 .25	99 .25	101 .25	103 .25	105 .25	107 .25	109 .25	111 .25	113 .25	TOT ALS
200.00														1				1			2
195.00																1	1				2
190.00																1	1				2
185.00															1	3	1		2		7
180.00													1			2					3
175.00												1		2	1	1		1	1		7
170.00												1	2	2	2	4	1		2		14
165.00										1	2	1	4	1	5	2	1				17
160.00								1	2	1	3	4	10		5	1	2	1			30
155.00							1		1	3	10	11	17	3		2				1	49
150.00							2	4	6	11	12	16	8	5	5	2		1			72
145.00						1	2	17	24	27	24	12	5	8		1	1				122
140.00					1	4	7	19	34	33	21	12	7	2		1	1				142
135.00					3	10	22	35	49	22	22	9	5	4							181
130.00					6	27	37	53	44	35	11	12	5	1							231
125.00		1	1	1	13	27	61	59	44	20	8	2	3	1							241
120.00			3	1	24	48	62	42	26	9	4	2									221
115.00			1	16	34	57	52	34	12	3											209
110.00		1	9	13	32	36	36	13	9	3											152
105.00	1	2	9	18	38	19	19	6	1												113
100.00		3	10	15	15	13	4	1													61
95.00	1		4	5	8	3		1													22
90.00			3		1																4
85.00		1																			1
TOTALS	2	8	40	69	175	245	305	285	252	168	117	83	67	30	19	21	9	4	5	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-WEIGHT	127.28	16.59	2.325X	-	81.331	9.97	0.799
X-BUST CIRCUMFERENCE	89.73	5.70	0.275Y	+	54.723	3.43	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND CHEST CIRCUMFERENCE BELOW BUST

CHEST CIRCUMFERENCE BELOW BUST

WEIGHT	61 .25	63 .25	65 .25	67 .25	69 .25	71 .25	73 .25	75 .25	77 .25	79 .25	81 .25	83 .25	85 .25	87 .25	89 .25	91 .25	93 .25	95 .25	97 .25	TOT ALS
200.00															1		1			2
195.00															1			1		2
190.00													1				1			2
185.00												1	1	2	1	2				7
180.00									1					1	1					3
175.00											1		1	2	3					7
170.00									1	1	1	2	4	3		1	1			14
165.00										1	5	6	3	1	1					17
160.00								2	3	6	5	6	3	1	2	2				30
155.00							2	1	9	8	10	7	9	1	1				1	49
150.00					1		3	7	14	17	11	11	4	4						72
145.00						1	16	22	36	26	11	5	4	1						122
140.00					1	6	19	26	37	24	18	4	7							142
135.00					5	13	46	40	37	26	11	3								181
130.00				1	12	33	53	54	43	31	3	1								231
125.00				6	17	52	68	54	29	11	2	2								241
120.00			4	11	31	61	57	39	15	2	1									221
115.00			3	25	44	63	49	16	6	3										209
110.00		1	7	19	45	46	23	11												152
105.00	1	4	8	32	29	25	8	5	1											113
100.00		2	12	19	17	5	4	2												61
95.00		2	4	7	4	4		1												22
90.00				2	2															4
85.00			1																	1
TOTALS	1	9	39	122	208	309	348	280	232	156	79	48	37	16	11	5	3	1	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-WEIGHT	127.28	16.59	2.693X	-	72.877	10.16	0.790
X-CHEST C BELOW BUST	74.33	4.87	0.232Y	+	44.796	2.98	

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND WAIST CIRCUMFERENCE

WAIST CIRCUMFERENCE

WEIGHT	53 .25	55 .25	57 .25	59 .25	61 .25	63 .25	65 .25	67 .25	69 .25	71 .25	73 .25	75 .25	77 .25	79 .25	81 .25	83 .25	85 .25	87 .25	89 .25	91 .25	93 .25	95 .25	TOT ALS
200.00																1		1					2
195.00																	1	1					2
190.00															1				1				2
185.00													1		1		1	2		2			7
180.00											1			2									3
175.00										1		1	1	1	1	1	1	1					7
170.00													3	2	2	4	1	1				1	14
165.00									1			4	2	6	2		2						17
160.00									3	1	6	8	3	3	3	2	1						30
155.00								1	5	6	11	8	9	3	5	1							49
150.00				1				4	9	15	17	12	6	6	1	1							72
145.00							4	15	28	29	16	15	8	4	1	1	1						122
140.00						3	17	20	42	25	11	20	2	1	1								142
135.00					4	10	24	39	56	27	14	5	1	1									181
130.00				1	7	22	44	64	42	28	16	6	1										231
125.00					11	30	61	66	48	15	6	4											241
120.00				6	35	61	48	44	18	8		1											221
115.00			4	12	42	61	54	26	6	1	2	1											209
110.00			6	24	45	46	22	7	1		1												152
105.00		1	6	27	38	27	9	2	3														113
100.00		1	5	25	22	5	3																61
95.00		1	6	8	5		1		1														22
90.00			2		1	1																	4
85.00	1																						1
TOTALS	1	3	29	104	210	266	287	288	262	156	101	85	37	29	18	11	8	6	1	2	0	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-WEIGHT	127.28	16.59	2.497X	-	40.525	9.39	0.824
X-WAIST CIRCUMFERNCE	67.20	5.48	0.272Y	+	32.583	3.10	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND ABDOMINAL EXTENSION CIRCUMFERENCE

ABDOMINAL EXTENSION CIRCUMFERENCE

WEIGHT	65.50	68.00	70.50	73.00	75.50	78.00	80.50	83.00	85.50	88.00	90.50	93.00	95.50	98.00	100.50	103.00	105.50	108.00	110.50	113.00	115.50	118.00	TOTALS
200.00																1				1			2
195.00																			2				2
190.00																				2			2
185.00																	1	2	1		2	1	7
180.00																2			1				3
175.00													1	1	1	1		2	1				7
170.00														1	4	4	2	1	1	1			14
165.00												2	1	2	5	3	2	2					17
160.00								1		1	3	7	6	5	3	3		1					30
155.00								1	2	3	5	6	6	10	7	7	2						49
150.00							1	2	2	5	11	16	14	13	6	2							72
145.00							4	5	22	20	27	17	14	9	3		1						122
140.00					1	3	3	12	18	26	29	24	19	5	1	1							142
135.00				1	3	9	12	28	27	34	37	19	8	2	1								181
130.00			1	1	4	11	14	38	46	45	45	19	6	1									231
125.00				2	11	12	28	42	53	58	19	14	2										241
120.00				2	6	29	36	61	46	21	14	6											221
115.00			2	8	20	30	51	51	29	17	1												209
110.00		2	2	9	13	32	52	20	19	2	1												152
105.00			5	13	16	30	31	14	4														113
100.00			3	11	18	11	12	6															61
95.00		1	3	7	4	5	1	1															22
90.00			1		2	1																	4
85.00	1																						1
TOTALS	1	3	17	54	98	173	245	282	268	232	192	130	77	49	31	24	8	8	6	4	2	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-WEIGHT	127.28	16.59	1.809X	-	27.649	10.09	0.794
X-ABDOMINAL EXT CIRC	85.64	7.28	0.348Y	+	41.351	4.43	

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND HIP CIRCUMFERENCE-SEVEN INCHES BELOW WAIST LEVEL

HIP CIRCUMFERENCE-SEVEN INCHES BELOW WAIST LEVEL

WEIGHT	77.25	79.25	81.25	83.25	85.25	87.25	89.25	91.25	93.25	95.25	97.25	99.25	101.25	103.25	105.25	107.25	109.25	111.25	113.25	115.25	117.25	TOTALS
200.00																1			1			2
195.00																		1	1			2
190.00																			1	1		2
185.00																	1	1	2	2	1	7
180.00																1	1		1			3
175.00													2	1			2	1	1			7
170.00													1	3	1	2	6			1		14
165.00													4	3	6	2		2				17
160.00											3	5	4	9	5	3	1					30
155.00										2	5	7	13	12	4	4	2					49
150.00										8	10	17	18	14	3	1	1					72
145.00									9	13	32	32	25	7	3	1						122
140.00								5	16	35	40	30	9	6	1							142
135.00							5	15	34	49	48	25	5									181
130.00							8	35	64	69	37	17	1									231
125.00						7	19	59	74	55	22	3	2									241
120.00					1	18	44	72	58	24	2	2										221
115.00				2	11	33	63	68	25	5	2											209
110.00				4	24	43	54	23	4													152
105.00				12	26	40	31	4														113
100.00		1	7	21	15	14	3															61
95.00			10	3	6	2	1															22
90.00		2	2																			4
85.00	1																					1
TOTALS	1	3	19	42	83	157	228	281	284	260	201	138	84	55	23	15	14	5	7	4	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-WEIGHT	127.28	16.59	2.647X	-	120.573	7.51	0.892
X-HIP C-7" BLW WAIST	93.64	5.59	0.300Y	+	55.452	2.53	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND HIP CIRCUMFERENCE-NINE INCHES BELOW WAIST LEVEL

HIP CIRCUMFERENCE-NINE INCHES BELOW WAIST LEVEL

WEIGHT	77 .25	79 .25	81 .25	83 .25	85 .25	87 .25	89 .25	91 .25	93 .25	95 .25	97 .25	99 .25	101 .25	103 .25	105 .25	107 .25	109 .25	111 .25	113 .25	115 .25	117 .25	119 .25	TOT ALS
200.00																		1				1	2
195.00																		1		1			2
190.00																						2	2
185.00																		1	3	1	2		7
180.00																	1	1	1				3
175.00												1			1		1		4				7
170.00												1		2	2	3	3	2	1				14
165.00													1	5	2	4	2	2		1			17
160.00											1	2	2	7	5	7	3	2	1				30
155.00										2	2	4	8	8	11	7	5	2					49
150.00										1	1	19	10	21	14	4	2						72
145.00										7	18	35	23	23	12	3	1						122
140.00									4	15	33	39	34	12	3	2							142
135.00							1	6	14	25	57	42	28	7	1								181
130.00							2	19	40	49	64	41	13	3									231
125.00					1	1	11	25	51	93	35	18	3	3									241
120.00					1	6	19	60	76	34	19	4	2										221
115.00				2	6	13	46	58	54	23	4	3											209
110.00			1	3	3	28	55	41	12	9													152
105.00				7	22	36	27	14	5	1	1												113
100.00		2	9	9	14	21	4	1	1														61
95.00	1		3	7	5	5	1																22
90.00	2	1	1																				4
85.00			1																				1
TOTALS	3	3	15	28	52	110	166	224	257	259	235	209	124	91	51	30	18	12	10	3	2	3	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-WEIGHT	127.28	16.59	2.441X	-	105.278	7.71	0.886
X-HIP C-9" BLW WAIST	95.27	6.02	0.321Y	+	54.415	2.80	

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND UPPER THIGH CIRCUMFERENCE

UPPER THIGH CIRCUMFERENCE

WEIGHT	43 .25	45 .25	47 .25	49 .25	51 .25	53 .25	55 .25	57 .25	59 .25	61 .25	63 .25	65 .25	67 .25	69 .25	71 .25	TOT ALS
200.00														1	1	2
195.00													1	1		2
190.00												1		1		2
185.00													3	2	2	7
180.00											1	1	1			3
175.00								1		1	1	1	2		1	7
170.00									3	1	3	5	2			14
165.00									2	9	3	2	1			17
160.00							2	2	7	5	8	5		1		30
155.00							4	5	14	11	9	4	1	1		49
150.00							5	10	19	16	16	6				72
145.00							13	35	42	26	5	1				122
140.00					1	5	21	38	40	30	6	1				142
135.00					3	16	35	61	51	13	2					181
130.00				2	12	30	79	70	32	5	1					231
125.00				2	20	62	82	51	21	3						241
120.00		1	1	9	32	82	68	22	5	1						221
115.00			4	16	53	77	47	10	2							209
110.00		1	6	26	56	46	14	1	2							152
105.00		2	12	39	39	16	4	1								113
100.00		5	18	21	13	4										61
95.00	1	4	8	7	1		1									22
90.00	2	2														4
85.00	1															1
TOTALS	4	15	49	122	230	338	375	307	240	121	55	27	11	7	4	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-WEIGHT	127.28	16.59	3.304X	-	56.009	8.99	0.840
X-UPPER THIGH CIRCUM	55.48	4.22	0.214Y	+	28.237	2.29	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND KNEE CIRCUMFERENCE

KNEE CIRCUMFERENCE

WEIGHT	30 .75	31 .75	32 .75	33 .75	34 .75	35 .75	36 .75	37 .75	38 .75	39 .75	40 .75	41 .75	42 .75	43 .75	44 .75	45 .75	TOT ALS
200.00												1		1			2
195.00															1	1	2
190.00												2					2
185.00											2	2	2	1			7
180.00									2		1						3
175.00									1	1		2	2			1	7
170.00									2	4	4	3			1		14
165.00							1		1	4	4	6			1		17
160.00							3	2	7	8	4	2	2	2			30
155.00							5	7	16	13	3	4	1				49
150.00				1	1	3	8	15	17	11	12	3	1				72
145.00				1	1	8	28	31	28	18	5	2					122
140.00					5	18	33	37	28	13	8						142
135.00				1	14	22	59	41	26	13	3	2					181
130.00			2	4	25	57	66	49	24	4							231
125.00			2	13	49	63	64	37	12	1							241
120.00			3	31	56	72	37	20	2								221
115.00		2	15	36	78	54	20	4									209
110.00		1	23	54	42	25	6	1									152
105.00		12	28	46	25	2											113
100.00	3	16	23	14	5												61
95.00	3	5	7	7													22
90.00	2	2															4
85.00		1															1
TOTALS	8	39	103	208	301	324	330	244	166	90	46	29	8	4	3	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-WEIGHT	127.28	16.59	5.999X	-	90.491	9.51	0.819
X-KNEE CIRCUMFERENCE	36.30	2.27	0.112Y	+	22.046	1.30	

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND CALF CIRCUMFERENCE, RIGHT

CALF CIRCUMFERENCE, RIGHT

WEIGHT	26 .75	27 .75	28 .75	29 .75	30 .75	31 .75	32 .75	33 .75	34 .75	35 .75	36 .75	37 .75	38 .75	39 .75	40 .75	41 .75	42 .75	43 .75	44 .75	TOT ALS
200.00													1		1					2
195.00																		1	1	2
190.00											1			1						2
185.00												1	2	2	2					7
180.00											1		2							3
175.00										1		1	3	1	1					7
170.00								1		4	2	3	2	2						14
165.00							1		1		3	6	3	3						17
160.00						1		1	3	10	7	5	2			1				30
155.00							1	4	4	10	12	14	1	3						49
150.00								2	8	24	19	10	6		3					72
145.00					1	2	4	16	17	30	19	21	8	2	1	1				122
140.00				1		2	6	16	32	31	38	13	3							142
135.00					1		16	32	51	36	33	9	2		1					181
130.00					1	13	29	56	54	44	23	7	2	1	1					231
125.00				2	5	21	41	79	54	18	16	3	2							241
120.00				2	8	26	56	70	34	17	7	1								221
115.00				2	21	49	58	45	25	7	2									209
110.00			1	3	20	53	45	21	8	1										152
105.00		1	2	14	33	30	21	10	2											113
100.00	1	1	6	13	16	15	7	2												61
95.00		1	1	6	8	5		1												22
90.00		1	2	1																4
85.00				1																1
TOTALS	1	4	12	45	114	217	285	356	293	233	183	94	39	15	10	2	0	1	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-WEIGHT	127.28	16.59	5.555X	-	62.386	10.93	0.752
X-CALF CIRCUM, RIGHT	34.14	2.25	0.102Y	+	21.161	1.48	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND ANKLE CIRCUMFERENCE

ANKLE CIRCUMFERENCE

WEIGHT	17 .50	18 .00	18 .50	19 .00	19 .50	20 .00	20 .50	21 .00	21 .50	22 .00	22 .50	23 .00	23 .50	24 .00	24 .50	25 .00	25 .50	TOTALS
200.00												1					1	2
195.00																1	1	2
190.00										1						1		2
185.00							1			1	2	1	1		1			7
180.00									1	1		1						3
175.00										1	3	2	1					7
170.00			1						2	5		3	2	1				14
165.00							1	1		4		4	6	1				17
160.00						3		1	6	5	5	2	6	1		1		30
155.00				1	1	1	3	2	11	12	6	4	3	3	2			49
150.00					1	1	4	12	7	10	14	10	3	8	2			72
145.00				1	1	4	15	13	19	17	17	14	10	6	3	2		122
140.00				1	4	8	16	25	22	27	14	14	7	1	3			142
135.00				3	2	13	24	39	26	38	19	4	8	2	2	1		181
130.00		1		3	12	17	30	46	40	36	21	18	7					231
125.00			3	4	11	33	40	54	43	31	10	7	2	2		1		241
120.00			3	7	12	35	32	50	29	31	10	8	3	1				221
115.00			5	10	23	47	43	44	17	12	3	2	2	1				209
110.00		2	8	15	28	36	18	23	15	5	1	1						152
105.00		1	7	23	30	20	13	11	7	1								113
100.00		4	5	15	12	13	8	2	2									61
95.00			6	2	6	5	3											22
90.00	1	2		1														4
85.00			1															1
TOTALS	1	10	39	86	143	236	251	323	247	238	125	96	61	27	13	7	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-WEIGHT	127.28	16.59	7.608X	-	33.133	13.38	0.591
X-ANKLE CIRCUMFERNCE	21.09	1.29	0.046Y	+	15.230	1.04	

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND VERTICAL TRUNK CIRCUMFERENCE

VERTICAL TRUNK CIRCUMFERENCE

WEIGHT	135 .25	137 .25	139 .25	141 .25	143 .25	145 .25	147 .25	149 .25	151 .25	153 .25	155 .25	157 .25	159 .25	161 .25	163 .25	165 .25	167 .25	169 .25	171 .25	173 .25	175 .25	177 .25	TOTALS
200.00																				2			2
195.00																			1			1	2
190.00																		1	1				2
185.00																1		1	1	2	1	1	7
180.00																1		1		1			3
175.00																2	1	1	1	1	1		7
170.00													2		2	3	1	1	3	1	1		14
165.00													1	3	4	2	2	1	1	3			17
160.00												2	2	3	4	8	4	2	3	1	1		30
155.00										1	2	5	7	6	13	7	1	6		1			49
150.00									1		5	8	10	7	21	11	2	3	2	2			72
145.00								2	3	5	14	16	19	25	12	16	5	1	4				122
140.00								2	7	15	16	34	21	25	12	4	4		2				142
135.00						1	3	5	10	27	29	33	31	19	17	3	2	1					181
130.00						1	6	21	25	29	45	36	37	12	13	5	1						231
125.00				3		7	20	29	34	38	43	31	19	10	5	1	1						241
120.00			1	2	2	9	19	36	55	35	25	17	12	3	5								221
115.00			2	4	11	22	37	34	35	33	16	12	2				1						209
110.00			1		12	19	31	33	17	20	10	5	3	1									152
105.00	1		5	7	22	17	24	16	10	9	2												113
100.00	1	1	2	12	15	15	9	3		1	1	1											61
95.00		2	3	3	3	6	3	2															22
90.00		1	1	1		1																	4
85.00						1																	1
TOTALS	2	4	15	32	65	99	152	183	197	213	208	200	166	114	108	64	25	19	19	14	4	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-WEIGHT	127.28	16.59	1.901X	-	166.282	10.23	0.787
X-VERTICAL TRUNK CIR	154.43	6.87	0.326Y	+	112.932	4.24	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND VERTICAL TRUNK CIRCUMFERENCE, SITTING

VERTICAL TRUNK CIRCUMFERENCE, SITTING

WEIGHT	133 .25	135 .25	137 .25	139 .25	141 .25	143 .25	145 .25	147 .25	149 .25	151 .25	153 .25	155 .25	157 .25	159 .25	161 .25	163 .25	165 .25	167 .25	169 .25	171 .25	TOTALS
200.00															1	1					2
195.00																	1	1			2
190.00															1				1		2
185.00												1				3	1		2		7
180.00																	3				3
175.00												2		1			2	1	1		7
170.00										1		2	5		1	1	1	2	1		14
165.00												2	3	5	3	3			1		17
160.00										1	2	4	4	4	4	6	1	2	1	1	30
155.00								1	1	4	7	6	9	13	2	3	1	1	1		49
150.00									5	5	8	12	8	16	9	6	2		1		72
145.00							1	1	5	4	18	23	23	18	11	8	6	3		1	122
140.00								3	2	26	24	29	21	18	12	4	1	1			142
135.00				1			7	8	10	27	32	36	25	16	12	6	1				181
130.00						3	12	17	31	41	28	39	28	22	3	7					231
125.00				1	4	9	19	32	37	38	44	28	13	8	5	3					241
120.00			1	1	8	12	22	30	46	31	26	23	11	4	5	1					221
115.00			1	6	14	24	27	32	31	32	22	11	5	4							209
110.00			1	4	9	19	36	26	10	22	15	6	2	2							152
105.00	2	5	11	14	13	28	15	11	9	4	1										113
100.00	2	1	10	15	14	9	7	1	1	1											61
95.00	1	2	6	2	6	1	3	1													22
90.00	2			1		1															4
85.00					1																1
TOTALS	7	11	40	67	101	163	174	186	237	225	213	157	121	87	50	31	16	7	10	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-WEIGHT	127.28	16.59	1.865X - 152.591	11.21	0.737
X-VERTICAL TRK C,SIT	150.07	6.56	0.291Y + 113.027	4.43	

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND BUTTOCK CIRCUMFERENCE, SITTING

BUTTOCK CIRCUMFERENCE, SITTING

WEIGHT	85 .25	87 .25	89 .25	91 .25	93 .25	95 .25	97 .25	99 .25	101 .25	103 .25	105 .25	107 .25	109 .25	111 .25	113 .25	115 .25	117 .25	119 .25	121 .25	123 .25	125 .25	127 .25	129 .25	TOTALS
200.00																	1		1					2
195.00																	1		1					2
190.00																				1	1			2
185.00															1		1	3		1			1	7
180.00															1			1		1				3
175.00													1	2		1		2	1					7
170.00												1	1	3	2	2	3	1		1				14
165.00													4	6	2	1	3	1						17
160.00										1		5	7	3	6	6	2							30
155.00									1	2	5	13	11	7	4	4	1	1						49
150.00									2	14	12	16	17	8	3									72
145.00								4	12	32	25	28	14	5	2									122
140.00							1	12	21	45	33	22	4	4										142
135.00						2	12	31	44	44	35	12	1											181
130.00						7	32	71	57	36	22	4	2											231
125.00					3	19	55	72	59	22	10	1												241
120.00				1	10	48	69	65	23	5														221
115.00			2	9	31	76	55	30	5	1														209
110.00		1	2	24	46	52	19	8																152
105.00		3	12	31	43	17	5	2																113
100.00	5	6	23	20	4	2	1																	61
95.00	2	5	7	6	2																			22
90.00	1	3																						4
85.00		1																						1
TOTALS	8	19	46	91	139	223	249	295	224	202	142	102	62	38	21	14	12	9	3	4	1	0	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-WEIGHT	127.28	16.59	2.463X - 119.012	7.09	0.904
X-BUTTOCK CIRC, SIT	100.00	6.09	0.332Y + 57.740	2.60	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND SCYE CIRCUMFERENCE

SCYE CIRCUMFERENCE

WEIGHT	28 .75	29 .75	30 .75	31 .75	32 .75	33 .75	34 .75	35 .75	36 .75	37 .75	38 .75	39 .75	40 .75	41 .75	42 .75	43 .75	44 .75	45 .75	46 .75	47 .75	48 .75	TOT ALS
200.00															1			1				2
195.00																1			1			2
190.00														1							1	2
185.00														2	1	2	1	1				7
180.00												2		1								3
175.00											1			1	5							7
170.00										1	1	1	4	7								14
165.00											1	6	2	3	5							17
160.00										3	4	4	9	5	3	1		1				30
155.00									2	5	9	12	7	11	3							49
150.00								1	3	7	19	24	9	6	2	1						72
145.00							2	4	9	32	37	18	14	5	1							122
140.00							3	4	19	32	41	23	14	4		2						142
135.00						1	7	26	31	55	36	11	10	2	1	1						181
130.00						2	12	36	54	73	31	18	4		1							231
125.00					1	3	28	42	69	47	35	13	2	1								241
120.00					2	12	36	63	53	40	10	3	2									221
115.00				1	2	25	45	69	37	17	11	2										209
110.00				6	3	26	45	37	26	8	1											152
105.00				5	12	29	30	26	11													113
100.00	1		1	3	7	20	17	10	1		1											61
95.00				4	7	6	4	1														22
90.00					2	2																4
85.00				1																		1
TOTALS	1	0	1	20	36	126	229	319	315	320	238	137	77	49	23	8	1	3	1	0	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-WEIGHT	127.28	16.59	5.626X	-	81.431	10.46	0.776
X-SCYE CIRCUMFERENCE	37.10	2.29	0.107Y	+	23.479	1.44	

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND AXILLARY ARM CIRCUMFERENCE

AXILLARY ARM CIRCUMFERENCE

WEIGHT	20 .75	21 .75	22 .75	23 .75	24 .75	25 .75	26 .75	27 .75	28 .75	29 .75	30 .75	31 .75	32 .75	33 .75	34 .75	35 .75	36 .75	37 .75	38 .75	TOT ALS
200.00															2					2
195.00														1					1	2
190.00													1				1			2
185.00													1	3		1	2			7
180.00											1	1	1							3
175.00												1	4	1		1				7
170.00										1	2	5	5	1						14
165.00									1	4	3	3	4	1			1			17
160.00								1	2	1	4	7	10	4	1					30
155.00									2	4	20	9	6	7	1					49
150.00								1	5	14	22	17	8	3	1	1				72
145.00							3	9	20	40	27	14	7	1	1					122
140.00							6	15	27	36	30	17	6	4		1				142
135.00						1	13	31	51	46	24	9	4	2						181
130.00					1	10	26	54	60	40	30	8	2							231
125.00					5	18	40	56	66	40	14	2								241
120.00				11	32	50	60	34	26	7	1									221
115.00			3	19	42	51	52	33	8	1										209
110.00	2		5	23	35	37	34	13	3											152
105.00		4	8	21	38	24	16	1	1											113
100.00		2	8	15	21	12	3													61
95.00			5	10	5	1		1												22
90.00		1	2		1															4
85.00	1																			1
TOTALS	3	7	31	105	203	263	332	315	260	184	90	53	37	11	4	2	4	0	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-WEIGHT	127.28	16.59	5.625X	-	27.059	10.10	0.793
X-AXILLARY ARM CIRC	27.44	2.34	0.112Y	+	13.183	1.42	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND BICEPS CIRCUMFERENCE, RELAXED, RIGHT

BICEPS CIRCUMFERENCE, RELAXED, RIGHT

WEIGHT	19 .75	20 .75	21 .75	22 .75	23 .75	24 .75	25 .75	26 .75	27 .75	28 .75	29 .75	30 .75	31 .75	32 .75	33 .75	34 .75	35 .75	36 .75	37 .75	TOT ALS
200.00										1									1	2
195.00																	2			2
190.00														1	1					2
185.00									1			3	1		1	1				7
180.00											1	1			1					3
175.00										1		3	2		1					7
170.00										4	2	5	1	2						14
165.00								1	2	4	5	1	2	1		1				17
160.00						1	1	2	6	7	8	4	1							30
155.00							1	10	10	9	7	10		1		1				49
150.00							6	15	21	20	4	4		2						72
145.00					2	5	21	38	33	12	8	2	1							122
140.00					2	12	31	36	30	16	10	5								142
135.00					12	20	55	46	27	11	8	1	1							181
130.00			1	3	23	54	63	44	27	10	5	1								231
125.00			1	13	45	56	66	48	9	3										241
120.00			3	15	61	63	48	23	8											221
115.00		1	9	36	56	65	29	12	1											209
110.00		3	17	31	53	35	9	4												152
105.00		5	21	43	21	20	2	1												113
100.00	2	4	16	26	12	1														61
95.00		4	9	6	3															22
90.00	1	2		1																4
85.00	1																			1
TOTALS	4	19	77	174	290	332	332	280	175	98	58	40	9	7	4	3	2	0	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-WEIGHT	127.28	16.59	5.805X	-	21.392	9.89	0.803
X-BICEPS C,RELAXED,R	25.61	2.29	0.111Y	+	11.483	1.37	

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND BICEPS CIRCUMFERENCE, FLEXED, RIGHT

BICEPS CIRCUMFERENCE, FLEXED, RIGHT

WEIGHT	20 .75	21 .75	22 .75	23 .75	24 .75	25 .75	26 .75	27 .75	28 .75	29 .75	30 .75	31 .75	32 .75	33 .75	34 .75	35 .75	36 .75	37 .75	38 .75	TOT ALS
200.00											1								1	2
195.00																	2			2
190.00														1		1				2
185.00										1	1	3			1		1			7
180.00											1		1		1					3
175.00										1	2	2		2						7
170.00										1	6	3	2	2						14
165.00								1	1	4	5	2	1	2			1			17
160.00							2	1	5	9	3	7	3							30
155.00						1		10	8	10	11	6	1	1	1					49
150.00							4	14	17	22	8	4	1	1		1				72
145.00					3	1	21	34	30	20	11	2								122
140.00						7	21	55	20	18	18	1	2							142
135.00				1	8	21	52	41	32	17	6	2	1							181
130.00			1	4	11	53	56	58	24	15	9									231
125.00				9	37	61	69	46	13	6										241
120.00			2	18	52	57	54	30	6	1	1									221
115.00			6	31	51	72	36	13												209
110.00		4	11	32	49	39	12	5												152
105.00		6	16	42	26	15	7	1												113
100.00	3	2	14	25	14	3														61
95.00		2	9	8	2	1														22
90.00		2	1	1																4
85.00	1																			1
TOTALS	4	16	60	171	253	331	334	309	156	125	83	32	12	9	3	2	4	0	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-WEIGHT	127.28	16.59	5.769X	-	27.293	9.83	0.805
X-BICEPS C,FLEXED, R	26.79	2.32	0.112Y	+	12.538	1.37	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND ELBOW CIRCUMFERENCE, FLEXED

ELBOW CIRCUMFERENCE, FLEXED

WEIGHT	21 .75	22 .75	23 .75	24 .75	25 .75	26 .75	27 .75	28 .75	29 .75	30 .75	31 .75	32 .75	33 .75	34 .75	35 .75	TOT ALS
200.00										1					1	2
195.00											1	1				2
190.00							1	1								2
185.00						1	2	2		1	1					7
180.00							2				1					3
175.00							2	3		1		1				7
170.00						1	4	6	2	1						14
165.00						4	5	3	3	2						17
160.00						3	5	8	10	2	2					30
155.00					3	3	12	17	8	3	3					49
150.00				1	2	12	21	16	10	6	3		1			72
145.00				2	6	27	31	27	21	6	2					122
140.00				3	16	38	38	25	12	7	3					142
135.00			1	11	31	31	40	46	15	4	2					181
130.00			2	22	41	65	49	32	17	3						231
125.00			4	25	49	70	52	24	11	4	2					241
120.00			15	18	63	58	41	12	11	3						221
115.00		2	12	45	53	51	27	15	4							209
110.00		6	14	34	43	36	11	7	1							152
105.00		5	13	33	33	22	5	2								113
100.00	1	10	5	18	14	7	3	3								61
95.00	1	3	7	2	5	4										22
90.00	1		1	1		1										4
85.00	1															1
TOTALS	4	26	74	215	359	434	351	249	125	44	20	2	1	0	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-WEIGHT	127.28	16.59	5.324X	-	16.341	13.60	0.572
X-ELBOW CIRC, FLEXED	26.98	1.78	0.061Y	+	19.212	1.46	

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND FOREARM CIRCUMFERENCE, RELAXED

FOREARM CIRCUMFERENCE, RELAXED

WEIGHT	19 .50	20 .00	20 .50	21 .00	21 .50	22 .00	22 .50	23 .00	23 .50	24 .00	24 .50	25 .00	25 .50	26 .00	26 .50	27 .00	27 .50	28 .00	28 .50	29 .00	29 .50	30 .00	TOT ALS
200.00																		1				1	2
195.00																			1	1			2
190.00															1	1							2
185.00											1		1	3					1		1		7
180.00													1	1					1				3
175.00											1		1	2	2		1						7
170.00											1	1	4	6	2								14
165.00										1	2	3	4	1	4	1					1		17
160.00										1	4	4	7	9		4		1					30
155.00									1	4	10	9	14	1	5	4	1						49
150.00								2	5	14	14	16	12	4	4		1						72
145.00							1		7	14	17	43	15	13	8	3	1						122
140.00								5	8	19	30	32	26	17	2	2		1					142
135.00					1	4	7	11	37	40	42	24	13	1	1								181
130.00						8	17	42	55	54	30	18	7										231
125.00				1	5	20	28	57	65	36	22	4	3										241
120.00			1	4	6	24	44	56	49	27	7	2	1										221
115.00				8	13	36	52	53	28	13	5	1											209
110.00		1	1	9	23	36	43	23	15	1													152
105.00			8	12	32	29	25	3	4														113
100.00		3	8	13	22	13	1	1															61
95.00		1	1	4	9	5	2																22
90.00		2	1	1																			4
85.00	1																						1
TOTALS	1	7	20	52	111	176	224	263	292	238	214	123	98	38	24	11	4	2	3	1	2	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-WEIGHT	127.28	16.59	9.719X	-	100.885	9.78	0.808
X-FOREARM C, RELAXED	23.48	1.38	0.067Y	+	14.948	0.81	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND FOREARM CIRCUMFERENCE, FLEXED

FOREARM CIRCUMFERENCE, FLEXED

WEIGHT	20 .75	21 .75	22 .75	23 .75	24 .75	25 .75	26 .75	27 .75	28 .75	29 .75	30 .75	31 .75	32 .75	TOT ALS
200.00										1			1	2
195.00											2			2
190.00							1		1					2
185.00						1	1	3			2			7
180.00							2				1			3
175.00							2	3	1	1				7
170.00						1	8	4	1					14
165.00					1	2	5	7	1	1				17
160.00						7	7	9	5	2				30
155.00					2	12	19	9	7					49
150.00					8	26	22	12	2	2				72
145.00				2	16	45	43	13	3					122
140.00				4	32	49	45	9	3					142
135.00			2	12	47	76	33	11						181
130.00			5	35	74	81	32	4						231
125.00			11	53	101	54	19	3						241
120.00		1	20	66	97	31	6							221
115.00		2	24	97	66	16	4							209
110.00		7	43	64	37	1								152
105.00	1	14	40	47	10	1								113
100.00	2	16	26	15	2									61
95.00	1	5	9	7										22
90.00	1	3												4
85.00	1													1
TOTALS	6	48	180	402	493	403	249	87	24	7	5	0	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-WEIGHT	127.28	16.59	8.506X	-	85.156	10.39	0.779
X-FOREARM C, FLEXED	24.98	1.52	0.071Y	+	15.938	0.95	

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND WRIST CIRCUMFERENCE

WRIST CIRCUMFERENCE

WEIGHT	12 .50	13 .00	13 .50	14 .00	14 .50	15 .00	15 .50	16 .00	16 .50	17 .00	17 .50	TOT ALS
200.00										1	1	2
195.00									1		1	2
190.00								1	1			2
185.00							2		3	1	1	7
180.00							2		1			3
175.00						1		3	3			7
170.00					2	1	3	2	5	1		14
165.00				1			8	5	3			17
160.00						3	12	6	5	3	1	30
155.00				1	3	8	17	12	7	1		49
150.00				1	7	16	27	13	3	5		72
145.00			1	1	11	25	46	25	10	2	1	122
140.00			1	4	13	51	50	20	3			142
135.00				11	26	50	67	22	4	1		181
130.00			2	11	46	85	57	23	6	1		231
125.00			1	22	65	85	55	11	2			241
120.00			8	24	64	88	31	3	3			221
115.00		1	7	45	84	52	19	1				209
110.00			12	44	59	30	5	2				152
105.00			12	51	31	19						113
100.00		1	10	29	15	6						61
95.00	1		5	11	5							22
90.00		1	2		1							4
85.00			1									1
TOTALS	1	3	62	256	432	520	401	149	60	16	5	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-WEIGHT	127.28	16.59	15.050X	-	97.904	12.67	0.646
X-WRIST CIRCUMFERNCE	14.96	0.71	0.028Y	+	11.399	0.54	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND BIACROMIAL BREADTH

BIACROMIAL BREADTH

WEIGHT	31 .00	31 .50	32 .00	32 .50	33 .00	33 .50	34 .00	34 .50	35 .00	35 .50	36 .00	36 .50	37 .00	37 .50	38 .00	38 .50	39 .00	39 .50	40 .00	40 .50	41 .00	41 .50	TOT ALS
200.00												1										1	2
195.00																		2					2
190.00													1			1							2
185.00											1		1	1			2	1	1				7
180.00											1		1	1									3
175.00											1	1				1		1	1	1	1		7
170.00									2	1	1	2	2	2		2	1				1		14
165.00				1		1		1		1	1	1	4	4		2	1						17
160.00							1	1		1	3		7	6	4	3	1	2	1				30
155.00								4	1	3	6	7	9	3	4	7	2		1	2			49
150.00					1		2			6	8	15	9	10	6	5	7	1	1		1		72
145.00						1	1	5	9	7	18	18	18	16	8	8	5	3	2	1	1	1	122
140.00		1		1		1	6	12	6	13	19	18	22	17	12	7	3	4					142
135.00		1	1		1	2	4	14	23	20	26	26	20	12	12	11	6	1	1				181
130.00					2	11	14	17	28	35	23	34	30	9	15	3	6	2	1	1			231
125.00		3	1		7	13	15	17	33	29	38	27	21	16	12	5	3	1					241
120.00			2	5	5	11	22	29	23	33	24	33	9	14	6	3		2					221
115.00	1	1	1	7	6	18	23	16	31	30	34	21	8	7	2	2	1						209
110.00	2	1	1	6	9	7	12	19	24	23	23	12	4	8	1								152
105.00		1	3	2	7	11	19	13	19	12	9	10	4	3									113
100.00	1	2		4	4	3	11	7	9	9	8	1	2										61
95.00	1	1	1	2	2	3	4	4	3			1											22
90.00					1	1		1	1														4
85.00						1																	1
TOTALS	5	11	10	28	45	84	134	160	212	223	244	228	172	129	82	60	38	20	9	5	4	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-WEIGHT	127.28	16.59	5.009X	-	52.257	14.41	0.495
X-BIACROMIAL BREADTH	35.84	1.64	0.049Y	+	29.606	1.42	

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND BIDELTOID BREADTH

BIDELTOID BREADTH

WEIGHT	34 .75	35 .75	36 .75	37 .75	38 .75	39 .75	40 .75	41 .75	42 .75	43 .75	44 .75	45 .75	46 .75	47 .75	48 .75	49 .75	TOT ALS
200.00															1	1	2
195.00															2		2
190.00												1			1		2
185.00													1	3	1	2	7
180.00												1	2				3
175.00											1	1	1	4			7
170.00										1	3	4	1	1	2	2	14
165.00										1	6	3	4	2	1		17
160.00									1	2	8	8	7	3	1		30
155.00								1	6	11	10	14	5	2			49
150.00							1	6	8	18	16	19	2	1	1		72
145.00							5	19	31	27	22	11	7				122
140.00						4	11	21	32	34	25	12	3				142
135.00						8	15	42	50	38	20	7	1				181
130.00					2	17	36	63	59	38	10	4	2				231
125.00		1		4	4	16	62	74	47	25	8						241
120.00				4	14	38	71	54	28	10	1	1					221
115.00			5	6	27	50	62	39	17	3							209
110.00		2	2	12	25	42	46	18	5								152
105.00		1	3	18	29	35	18	6	3								113
100.00	1	1	10	11	13	17	7	1									61
95.00		2	7	5	6	2											22
90.00			2		2												4
85.00		1															1
TOTALS	1	8	29	60	122	229	334	344	287	208	130	86	36	16	10	5	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-WEIGHT	127.28	16.59	5.722X	-	112.319	10.00	0.798
X-BIDELTOID BREADTH	41.87	2.31	0.111Y	+	27.745	1.39	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND CHEST BREADTH

CHEST BREADTH

WEIGHT	22 .75	23 .75	24 .75	25 .75	26 .75	27 .75	28 .75	29 .75	30 .75	31 .75	32 .75	33 .75	34 .75	35 .75	TOT ALS
200.00										1			1		2
195.00											2				2
190.00										1				1	2
185.00									3		4				7
180.00										2	1				3
175.00								1	1	1		3	1		7
170.00							1	2	4	3	1	2	1		14
165.00								3	5	5	2	2			17
160.00						2	6	1	10	3	3	2	3		30
155.00						2	9	14	6	15	2	1			49
150.00					2	6	15	20	14	10	4	1			72
145.00				5	7	24	28	28	16	12	2				122
140.00		1	1	6	12	25	37	28	21	10	1				142
135.00				12	24	40	51	34	13	7					181
130.00		1	1	16	44	63	58	31	17						231
125.00			2	15	60	83	54	19	4	3	1				241
120.00		2	5	26	72	60	39	9	6	2					221
115.00		1	11	51	66	45	29	6							209
110.00		3	21	35	43	26	20	3	1						152
105.00	1	6	17	33	32	19	4	1							113
100.00	2	6	18	14	10	8	3								61
95.00		3	6	8	4		1								22
90.00			1	1	2										4
85.00		1													1
TOTALS	3	24	83	222	378	403	355	200	121	75	23	11	6	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-WEIGHT	127.28	16.59	6.072X - 42.703	11.83	0.701
X-CHEST BREADTH	27.99	1.91	0.081Y + 17.685	1.37	

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND BUSTPOINT-TO-BUSTPOINT BREADTH

BUSTPOINT-TO-BUSTPOINT BREADTH

WEIGHT	13 .00	13 .50	14 .00	14 .50	15 .00	15 .50	16 .00	16 .50	17 .00	17 .50	18 .00	18 .50	19 .00	19 .50	20 .00	20 .50	21 .00	21 .50	22 .00	22 .50	23 .00	23 .50	24 .00	24 .50	TOT ALS
200.00																	1		1						2
195.00																	1			1					2
190.00																1	1								2
185.00														1		2		1	1		2				7
180.00																	1		1				1		3
175.00															1	1	1	2			1			1	7
170.00														1	2	2	4	3	1			1			14
165.00												1	1	1		4	5	2		2	1				17
160.00										1	2	1	1	5	6	4	3	4	1		1	1			30
155.00										1	2	6	3	8	8	11	5	2	1	1		1			49
150.00									1		3	8	13	10	12	9	8	4	2	1				1	72
145.00							1		5	6	13	14	9	21	20	11	4	8	5	4	1				122
140.00						2		1	6	7	13	28	30	15	18	8	9	3	1	1					142
135.00							2	5	9	9	28	32	26	28	23	7	7	2	1	2					181
130.00						1	1	10	23	25	27	34	39	31	16	11	7	3	1	1	1				231
125.00			1		1	3	5	12	20	28	36	46	32	22	12	8	8	4	2		1				241
120.00				1	2	2	7	15	25	38	37	31	25	18	9	8	2		1						221
115.00	1				1	7	4	18	24	38	35	34	23	15	3	4	1	1							209
110.00		1	1	2	3	10	11	10	27	22	19	16	13	11	3	1	2								152
105.00			2	1	1	7	12	17	19	25	11	4	11	2		1									113
100.00					3	6	3	6	10	10	8	9	3	3											61
95.00			2			2	2	2	5	3	6														22
90.00					1				2	1															4
85.00							1																		1
TOTALS	1	1	6	4	12	40	49	96	176	214	240	264	229	192	133	93	70	39	19	13	8	3	1	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-WEIGHT	127.28	16.59	6.281X + 10.884	13.44	0.586
X-BUST PT-BUST PT BR	18.53	1.55	0.055Y + 11.531	1.25	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND WAIST BREADTH

WAIST BREADTH

WEIGHT	18 .75	19 .75	20 .75	21 .75	22 .75	23 .75	24 .75	25 .75	26 .75	27 .75	28 .75	29 .75	30 .75	31 .75	32 .75	TOT ALS
200.00											1	1				2
195.00											1		1			2
190.00											1		1			2
185.00								1			2		3		1	7
180.00									1	1	1					3
175.00								1	2		2	1	1			7
170.00									5	2	3	3			1	14
165.00								1	6	5	5					17
160.00						1	1	7	5	9	5	1		1		30
155.00						1	9	8	14	10	6	1				49
150.00				1	1	3	16	18	18	11	2	2				72
145.00					2	12	31	37	19	15	4	2				122
140.00				2	9	26	36	40	19	10						142
135.00			1	5	17	53	44	40	15	4	2					181
130.00			1	8	36	69	57	35	19	5	1					231
125.00			1	13	30	110	59	21	6	1						241
120.00		1	11	28	62	70	41	8								221
115.00		2	14	24	76	61	26	6								209
110.00		2	13	44	53	30	9	1								152
105.00		5	25	29	35	14	5									113
100.00	1	1	27	19	8	4	1									61
95.00		1	5	9	4	3										22
90.00			1	1	1	1										4
85.00	1															1
TOTALS	2	12	99	183	334	458	335	224	129	73	36	11	6	1	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-WEIGHT	127.28	16.59	6.577X	-	31.408	10.63	0.768
X-WAIST BREADTH	24.13	1.94	0.090Y	+	12.673	1.24	

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND HIP BREADTH

HIP BREADTH

WEIGHT	28 .75	29 .75	30 .75	31 .75	32 .75	33 .75	34 .75	35 .75	36 .75	37 .75	38 .75	39 .75	40 .75	41 .75	42 .75	43 .75	TOT ALS
200.00											1					1	2
195.00												1	1				2
190.00												1			1		2
185.00												2	3		2		7
180.00												1	1			1	3
175.00								2			1	2	2				7
170.00								2		3	3	2	3	1			14
165.00							1	1	3	4	3	1	3	1			17
160.00					1			3	6	5	8	4	2	1			30
155.00					1		6	3	12	5	10	10	2				49
150.00						2	5	9	17	16	12	5	5		1		72
145.00					2	3	16	27	29	21	15	7	2				122
140.00					1	7	26	36	36	25	6	5					142
135.00				3	7	17	47	56	31	15	4	1					181
130.00		1	1	1	12	36	56	57	41	21	5						231
125.00		1	1	4	20	57	65	65	19	7	2						241
120.00			4	16	34	57	57	38	13		2						221
115.00		1	6	14	45	66	55	18	3	1							209
110.00			7	26	51	39	21	8									152
105.00		2	8	31	47	15	10										113
100.00	3	3	13	22	15	2	3										61
95.00	1	4	5	4	4	2	2										22
90.00		1	2	1													4
85.00		1															1
TOTALS	4	14	47	122	240	303	370	325	210	123	72	42	24	3	4	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-WEIGHT	127.28	16.59	5.766X	-	74.346	10.58	0.770
X-HIP BREADTH	34.97	2.22	0.103Y	+	21.858	1.41	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND THIGH-TO-THIGH BREADTH, SITTING

THIGH-TO-THIGH BREADTH, SITTING

WEIGHT	28 .75	29 .75	30 .75	31 .75	32 .75	33 .75	34 .75	35 .75	36 .75	37 .75	38 .75	39 .75	40 .75	41 .75	42 .75	43 .75	44 .75	45 .75	46 .75	47 .75	48 .75	49 .75	TOT ALS
200.00															1							1	2
195.00																		1	1				2
190.00																	1				1		2
185.00														1		2		2		2			7
180.00																	1	1			1		3
175.00													1	1	1	1		2	1				7
170.00												1		2	3	2	1	1	3	1			14
165.00													1	5	3	2	5			1			17
160.00									1	3		1	2	3	10	6	2	2					30
155.00									1	2	1	6	5	10	7	7	8	1	1				49
150.00										4	7	10	13	16	10	4	3	5					72
145.00									2	17	18	24	26	19	7	7	1	1					122
140.00							2	3	4	17	18	30	35	14	8	7	3	1					142
135.00						1	5	7	19	25	32	50	21	13	5	3							181
130.00						1	14	9	36	38	41	44	36	7	5								231
125.00				1	1		8	24	42	62	50	25	22	4	1	1							241
120.00				1	1	6	20	36	52	48	31	16	5	2	1								221
115.00				2	3	8	32	50	43	38	23	7	3										209
110.00				2	2	13	24	35	43	22	8	3											152
105.00				4	5	22	41	18	13	5	3	2											113
100.00			2	3	10	17	17	8	2	1	1												61
95.00	1			3	6	4	4	1	3														22
90.00			1	1	2																		4
85.00				1																			1
TOTALS	1	0	3	18	30	72	167	193	261	282	233	219	170	97	62	42	25	17	6	4	2	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-WEIGHT	127.28	16.59	4.542X	-	46.175	10.32	0.783
X-THIGH-THIGH BR,SIT	38.19	2.86	0.135Y	+	21.006	1.78	

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND HUMERAL BREADTH, RIGHT

HUMERAL BREADTH, RIGHT

WEIGHT	5 .20	5 .30	5 .40	5 .50	5 .60	5 .70	5 .80	5 .90	6 .00	6 .10	6 .20	6 .30	6 .40	6 .50	6 .60	6 .70	6 .80	6 .90	7 .00	7 .10	7 .20	7 .30	7 .40	7 .50	TOT ALS
200.00																		1			1				2
195.00														1		1									2
190.00																1		1							2
185.00												1	1	2	2					1					7
180.00													1		1	1									3
175.00										2			1		1		2		1						7
170.00									2	1	1	3	2	3	2										14
165.00									2	1	2	2	4	1	1		2	2							17
160.00								2	1	2	4	3	4	7	3	4									30
155.00								4	7	4	5	5	6	5	2	2	6	1	1		1				49
150.00					1		2	1	4	5	9	10	15	12	5	2	3	2						1	72
145.00						1	1	6	12	9	13	21	13	19	11	10	3	1	1	1					122
140.00		1	1	2		4	4	9	21	12	15	17	17	18	12	3	3		2	1					142
135.00				4	1	3	3	11	22	21	20	28	17	31	10	5	3	1	1						181
130.00				2	2	2	6	15	34	39	44	34	24	9	12	6	2								231
125.00				2	9	2	15	26	37	39	44	24	21	15	4	2	1								241
120.00				1	4	7	16	26	53	33	40	13	12	9	4	2	1								221
115.00		1	4	8	10	21	18	30	32	35	20	14	11	4			1								209
110.00	2	2	1	4	11	13	21	25	29	19	15	7	2			1									152
105.00		1	1	6	5	14	15	19	25	13	7	5						2							113
100.00			4	4	5	9	11	9	9	5	2	2		1											61
95.00	1			2	4	5		2	6	2															22
90.00			1	1	1		1																		4
85.00				1																					1
TOTALS	3	5	12	37	53	81	113	185	296	242	241	189	151	137	70	40	27	11	6	3	2	0	0	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-WEIGHT	127.28	16.59	29.097X	-	51.187	13.98	0.538
X-HUMERAL BREADTH, R	6.13	0.31	0.010Y	+	4.861	0.26	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND FEMORAL BREADTH, RIGHT

FEMORAL BREADTH, RIGHT

WEIGHT	6 .75	6 .95	7 .15	7 .35	7 .55	7 .75	7 .95	8 .15	8 .35	8 .55	8 .75	8 .95	9 .15	9 .35	9 .55	9 .75	9 .95	TOTALS
200.00														1			1	2
195.00														1	1			2
190.00												2						2
185.00									1	2	1		2		1			7
180.00									1			2						3
175.00							1	1		2	1	1	1					7
170.00								4	2	2	3	2	1					14
165.00				1			1	2	1	3	4	2	2	1				17
160.00					1	3	1	2	6	5	7	1	4					30
155.00						1	8	8	9	8	7	5		3				49
150.00					2	5	7	7	19	7	9	10	5	1				72
145.00			1	4	3	11	12	18	27	23	14	6	2	1				122
140.00		1		2	3	14	14	25	34	22	19	4	2	2				142
135.00	1			1	7	18	28	38	32	27	20	5	2	2				181
130.00			2	2	10	32	39	53	47	28	7	8	2	1				231
125.00		1	7	10	14	37	57	35	37	23	15	3	2					241
120.00	1	2		8	18	32	41	55	30	21	8	5						221
115.00		5	4	10	34	48	43	26	21	9	6	3						209
110.00	4	6	4	11	17	27	41	23	10	5	4							152
105.00	1		3	5	19	31	22	15	12	4		1						113
100.00		3	5	4	9	16	14	5	5									61
95.00				6		3	10	2	1									22
90.00				1	1	1		1										4
85.00						1												1
TOTALS	7	18	26	65	138	280	339	320	295	191	125	60	25	13	2	0	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-WEIGHT	127.28	16.59	17.900X	-	18.002	14.49	0.487
X-FEMORAL BREADTH, R	8.12	0.45	0.013Y	+	6.462	0.39	

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND CHEST DEPTH

CHEST DEPTH

WEIGHT	18 .75	19 .75	20 .75	21 .75	22 .75	23 .75	24 .75	25 .75	26 .75	27 .75	28 .75	29 .75	30 .75	31 .75	32 .75	TOTALS
200.00										1				1		2
195.00										1	1					2
190.00											1	1				2
185.00										3	1	2	1			7
180.00									2			1				3
175.00									1	3	2	1				7
170.00								3	1	4	2	1	3			14
165.00							2	2	4	3	2	3	1			17
160.00						1	5	7	7	7	3					30
155.00						2	9	16	12	9					1	49
150.00					4	8	14	20	14	8	4					72
145.00				4	6	24	38	25	17	7	1					122
140.00		2	2	4	13	36	33	34	11	4	3					142
135.00			4	5	32	61	41	25	10	3						181
130.00			6	28	51	74	44	20	8							231
125.00	1		6	35	75	63	45	7	8		1					241
120.00		3	15	47	69	64	17	5	1							221
115.00		3	19	68	60	48	10	1								209
110.00		5	24	54	35	23	9	2								152
105.00		9	26	40	25	11	2									113
100.00		7	19	16	16	2	1									61
95.00	1	4	7	6	3	1										22
90.00			2	2												4
85.00		1														1
TOTALS	2	34	130	309	389	418	270	167	96	53	21	9	5	1	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-WEIGHT	127.28	16.59	6.387X	-	23.725	11.08	0.744
X-CHEST DEPTH	23.64	1.93	0.087Y	+	12.569	1.29	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND WAIST DEPTH

WAIST DEPTH

WEIGHT	12 .75	13 .75	14 .75	15 .75	16 .75	17 .75	18 .75	19 .75	20 .75	21 .75	22 .75	23 .75	24 .75	25 .75	TOT ALS
200.00											1	1			2
195.00											1		1		2
190.00										1	1				2
185.00								1		2	1	1	2		7
180.00								2	1						3
175.00							2	1	2	1	1				7
170.00							1	3	2	5		2		1	14
165.00						2	4	4	2	1	1	3			17
160.00						5	10	7	1	3	2	2			30
155.00					6	11	10	7	7	6	1	1			49
150.00				2	9	23	20	7	10	1					72
145.00			1	2	23	45	29	11	5	5		1			122
140.00				12	40	45	33	9	1	1	1				142
135.00			1	23	64	58	24	6	4	1					181
130.00		1	5	39	102	48	29	5	2						231
125.00		1	12	49	103	50	23	3							241
120.00		2	23	82	70	35	9								221
115.00		4	31	84	60	26	3	1							209
110.00		6	29	68	42	6	1								152
105.00	1	5	39	46	19	3									113
100.00		5	23	28	5										61
95.00	1	2	12	6		1									22
90.00		1	2	1											4
85.00		1													1
TOTALS	2	28	178	442	543	358	198	67	37	27	10	11	3	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-WEIGHT	127.28	16.59	7.306X	+	2.974	11.22	0.736
X-WAIST DEPTH	17.01	1.67	0.074Y	+	7.596	1.13	

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND ABDOMINAL EXTENSION DEPTH

ABDOMINAL EXTENSION DEPTH

WEIGHT	15 .75	16 .75	17 .75	18 .75	19 .75	20 .75	21 .75	22 .75	23 .75	24 .75	25 .75	26 .75	27 .75	28 .75	29 .75	30 .75	TOT ALS
200.00												1		1			2
195.00														1	1		2
190.00														1	1		2
185.00										1		1	1	1	3		7
180.00										1		2					3
175.00							1		1		1	2	1	1			7
170.00									2	3	3	2	1	2		1	14
165.00							1	3	1	4	3		2	2	1		17
160.00						1	3	5	8	3	4	3	2	1			30
155.00						2	8	10	8	10	5	5	1				49
150.00					2	8	15	17	14	9	7						72
145.00					5	16	35	33	18	11	2	2					122
140.00				1	16	24	42	32	20	6		1					142
135.00				9	23	59	47	28	11	4							181
130.00			2	9	45	78	64	21	9	2	1						231
125.00		1	5	23	59	73	50	21	8	1							241
120.00		2	8	37	74	64	30	3	3								221
115.00	1	2	19	54	75	41	16	1									209
110.00		7	22	42	53	23	4	1									152
105.00	3	5	27	41	31	6											113
100.00	1	3	23	23	8	3											61
95.00	1	4	9	7	1												22
90.00			3	1													4
85.00		1															1
TOTALS	6	25	118	247	392	398	316	175	103	55	26	19	8	10	6	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-WEIGHT	127.28	16.59	6.193X	-	2.093	10.14	0.791
X-ABDOMINAL EXT DPTH	20.89	2.12	0.101Y	+	8.035	1.30	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND BUTTOCK DEPTH

BUTTOCK DEPTH

WEIGHT	15 .75	16 .75	17 .75	18 .75	19 .75	20 .75	21 .75	22 .75	23 .75	24 .75	25 .75	26 .75	27 .75	28 .75	29 .75	30 .75	TOT ALS
200.00											1		1				2
195.00											1	1					2
190.00										1			1				2
185.00											2	2	2	1			7
180.00									2			1					3
175.00									1	2	3					1	7
170.00								2	3	5	3	1					14
165.00							1	1	7	3	2	2	1				17
160.00					1	1	1	4	8	8	6	1					30
155.00						3	6	13	12	10	3	2					49
150.00						1	16	20	20	10	5						72
145.00					2	8	31	51	22	6	2						122
140.00					10	28	47	36	17	4							142
135.00				2	10	46	66	40	13	4							181
130.00				2	37	72	78	34	7		1						231
125.00				7	44	85	72	26	6	1							241
120.00				20	67	86	36	12									221
115.00			6	34	79	71	17	2									209
110.00			7	33	66	34	11	1									152
105.00		1	24	46	31	9	1	1									113
100.00		4	16	24	12	4	1										61
95.00		2	10	8	2												22
90.00		2	2														4
85.00	1																1
TOTALS	1	9	65	176	361	448	384	243	118	54	29	10	5	1	0	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-WEIGHT	127.28	16.59	7.458X	-	30.480	9.84	0.805
X-BUTTOCK DEPTH	21.15	1.79	0.087Y	+	10.080	1.06	

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND THIGH CLEARANCE

THIGH CLEARANCE

WEIGHT	9 .00	9 .50	10 .00	10 .50	11 .00	11 .50	12 .00	12 .50	13 .00	13 .50	14 .00	14 .50	15 .00	15 .50	16 .00	16 .50	17 .00	TOT ALS
200.00														1			1	2
195.00												1				1		2
190.00												1			1			2
185.00											2		1		1	2	1	7
180.00										2				1				3
175.00							1				2	1	2	1				7
170.00						1			1	2	2	3	3	2				14
165.00							1	2	2	1	3	1	3	4				17
160.00								2	2	5	4	8	5	2	1	1		30
155.00					2	1	1	4	7	7	6	11	8	1	1			49
150.00				1				8	9	11	22	15	5	1				72
145.00					1	3	4	14	22	31	27	12	5	3				122
140.00			1		5	9	5	26	27	31	23	8	5	2				142
135.00				3	7	12	23	24	42	44	19	7						181
130.00				5	14	31	38	44	48	30	17	3	1					231
125.00				3	11	48	51	54	38	21	11	3	1					241
120.00			4	12	22	40	59	34	32	12	4	1	1					221
115.00		1	3	23	29	40	59	31	15	6	1	1						209
110.00		2	9	23	25	40	25	14	9	3	1	1						152
105.00		2	8	19	25	31	20	5	2		1							113
100.00	2	3	12	15	11	14	3	1										61
95.00		6	2	5	7		1	1										22
90.00		2	1		1													4
85.00		1																1
TOTALS	2	17	40	109	160	270	291	264	256	206	145	77	40	18	4	4	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-WEIGHT	127.28	16.59	9.453X	+	9.722	11.62	0.714
X-THIGH CLEARANCE	12.44	1.25	0.054Y	+	5.563	0.88	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND SHOULDER LENGTH

SHOULDER LENGTH

WEIGHT	11 .50	12 .00	12 .50	13 .00	13 .50	14 .00	14 .50	15 .00	15 .50	16 .00	16 .50	17 .00	17 .50	18 .00	18 .50	19 .00	TOT ALS
200.00						1										1	2
195.00										1	1						2
190.00						1			1								2
185.00						1	2	1	1	1	1						7
180.00						2	1										3
175.00						1	3	1			1	1					7
170.00					3	1	3	2	3	1	1						14
165.00		1			3	2	1	3	4	1	2						17
160.00			1			6	7	7		7		1		1			30
155.00				2	5	5	6	7	11	6	4	1	2				49
150.00			1	2	4	12	14	10	13	9	6			1			72
145.00			2	3	6	13	21	21	22	16	11	6		1			122
140.00			2	8	7	23	25	25	25	14	8	4	1				142
135.00				3	9	31	41	39	30	22	6						181
130.00		3	2	7	23	34	47	43	38	16	9	7	2				231
125.00	1	2	4	17	22	53	42	36	31	16	8	5	3	1			241
120.00		2	9	11	27	40	56	31	24	12	4	5					221
115.00		2	4	11	30	54	33	36	26	8	4	1					209
110.00			10	19	17	30	29	21	14	9	3						152
105.00			3	13	13	26	27	17	10	2	2						113
100.00		1		9	11	16	5	6	7	5	1						61
95.00		2		3	5	4	6	2									22
90.00				1	1		1	1									4
85.00				1													1
TOTALS	1	13	38	110	186	356	370	309	260	146	72	31	8	4	0	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-WEIGHT	127.28	16.59	4.440X	+	62.188	15.95	0.273
X-SHOULDER LENGTH	14.66	1.02	0.017Y	+	12.497	0.98	

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND NECK-TO-BUSTPOINT LENGTH

NECK-TO-BUSTPOINT LENGTH

WEIGHT	19 .75	20 .75	21 .75	22 .75	23 .75	24 .75	25 .75	26 .75	27 .75	28 .75	29 .75	30 .75	31 .75	TOT ALS
200.00												1	1	2
195.00									1	1				2
190.00									1		1			2
185.00										3	2	1	1	7
180.00								1	1			1		3
175.00						1		1	2	1	1		1	7
170.00							1		5	3	3	2		14
165.00						1	3	3	1	2	4	2	1	17
160.00					1	1	6	5	9	6	1	1		30
155.00					2	2	9	9	13	10	3		1	49
150.00						6	15	21	7	11	10	2		72
145.00			1	3	6	20	20	31	25	9	5	2		122
140.00			2	3	11	24	33	28	33	4	3	1		142
135.00		1	2	5	16	39	56	30	19	10	3			181
130.00			7	8	35	39	55	44	26	13	2	2		231
125.00		1	5	9	47	59	54	37	18	8	3			241
120.00		2	4	23	46	57	53	28	5	1	2			221
115.00		3	9	17	55	59	36	21	8	1				209
110.00		3	12	26	30	38	30	10	3					152
105.00		1	6	17	30	33	14	11	1					113
100.00		1	4	21	16	11	4	2	2					61
95.00	1		2	9	5	5								22
90.00			1	2	1									4
85.00				1										1
TOTALS	1	12	55	144	301	395	389	282	180	83	43	15	5	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-WEIGHT	127.28	16.59	5.025X	-	0.829	13.60	0.573
X-NECK-BUSTPOINT L	25.49	1.89	0.065Y	+	17.221	1.55	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND STRAP LENGTH

STRAP LENGTH

WEIGHT	53 .25	55 .25	57 .25	59 .25	61 .25	63 .25	65 .25	67 .25	69 .25	71 .25	73 .25	75 .25	77 .25	79 .25	TOTALS
200.00											1		1		2
195.00											2				2
190.00									1			1			2
185.00										1		4	1	1	7
180.00									1	1		1			3
175.00								1	1	2	1	1	1		7
170.00							1	1		6	3	1	2		14
165.00							2	3	1	4	4	2	1		17
160.00						2	2	4	8	8	4	2			30
155.00						3	3	12	10	12	7	1	1		49
150.00					2	2	14	14	14	13	8	3	2		72
145.00					6	9	24	27	30	16	7	3			122
140.00				1	4	15	38	35	26	20	2	1			142
135.00		1		1	14	30	43	45	31	10	5		1		181
130.00			1	8	26	41	52	55	33	10	4	1			231
125.00			3	11	35	57	60	46	21	6	2				241
120.00		1	1	16	47	59	51	34	9	2	1				221
115.00		2	6	16	59	53	41	24	6	1	1				209
110.00	1	3	9	26	34	37	28	12	2						152
105.00		2	6	20	26	35	15	7	2						113
100.00		2	4	20	19	9	5	1	1						61
95.00	1		3	8	7	3									22
90.00			2		2										4
85.00					1										1
TOTALS	2	11	35	127	282	355	379	321	197	112	52	21	10	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-WEIGHT	127.28	16.59	2.767X	-	53.185	12.54	0.655
X-STRAP LENGTH	65.22	3.92	0.155Y	+	45.492	2.97	

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND INTERSCYE CURVATURE

INTERSCYE CURVATURE

WEIGHT	27 .75	28 .75	29 .75	30 .75	31 .75	32 .75	33 .75	34 .75	35 .75	36 .75	37 .75	38 .75	39 .75	40 .75	41 .75	42 .75	43 .75	TOTALS
200.00												1				1		2
195.00													1	1				2
190.00														1		1		2
185.00										1		2	3		1			7
180.00						1			1				1					3
175.00									1	1			2	2			1	7
170.00							2	1		4	1	1	2	2	1			14
165.00								4	1	3	1	3	2	2	1			17
160.00							2	1	1	7	6	2	7	2	2			30
155.00					1	1	3	6	7	11	8	4	5	1	1	1		49
150.00						5	4	8	10	18	5	13	5	3	1			72
145.00				1	2	5	12	21	22	15	20	15	8		1			122
140.00		1	2	2	4	7	13	15	32	21	16	17	6	4	1		1	142
135.00				2	15	5	24	26	31	33	25	14	3	2	1			181
130.00			1	5	11	24	34	47	39	30	23	14	2	1				231
125.00		1	6	6	18	19	53	47	36	25	20	8	2					241
120.00		1	1	11	19	30	29	40	40	33	11	5	1					221
115.00	1		5	13	24	29	49	42	22	15	5	4						209
110.00		2	2	12	21	25	31	24	15	12	7	1						152
105.00	1	1	3	7	15	27	27	17	8	6	1							113
100.00	1	2	3	9	7	13	13	7	5	1								61
95.00			4	3	2	4	5	3	1									22
90.00					1	1	1	1										4
85.00								1										1
TOTALS	3	8	27	71	140	196	302	311	272	236	149	104	50	21	10	3	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-WEIGHT	127.28	16.59	3.630X	+	0.024	14.02	0.534
X-INTERSCYE	35.06	2.44	0.079Y	+	25.002	2.06	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND INTERSCYE CURVATURE, MAXIMUM

INTERSCYE CURVATURE, MAXIMUM

WEIGHT	37 .75	38 .75	39 .75	40 .75	41 .75	42 .75	43 .75	44 .75	45 .75	46 .75	47 .75	48 .75	49 .75	50 .75	51 .75	52 .75	53 .75	54 .75	55 .75	56 .75	57 .75	58 .75	59 .75	60 .75	TOT ALS
200.00																				1			1		2
195.00																		1					1		2
190.00																	1	1							2
185.00										1					1		1	1	1		1			1	7
180.00													1					2							3
175.00											1			1		1	1			1			2		7
170.00									1				1	1	3	2		2	2	1		1			14
165.00								1			1	1				1	2	6	4	1					17
160.00												3	2	1	3	3	8	4	2	4					30
155.00							1	1			2	5	4	9	3	3	6	6	5	3		1			49
150.00									1	1	3	4	4	9	15	15	8	6	2	2	2				72
145.00						1		3	4	6	2	9	13	22	24	16	12	5	5						122
140.00								5	3	9	10	15	24	19	14	15	12	6	8	1		1			142
135.00						4	2	4	5	7	11	21	30	23	33	14	15	5	4	2	1				181
130.00						1	2	6	11	23	25	22	30	34	28	23	15	4	5		1	1			231
125.00				2	3	2	6	9	17	14	39	37	36	27	22	15	8	4							241
120.00			2	1	1	7	6	6	15	26	40	26	28	28	17	9	8			1					221
115.00			1		4	3	9	16	22	29	31	23	24	22	13	9	3								209
110.00				1	3	3	8	9	18	26	23	19	15	16	5	6									152
105.00			2		4	7	8	8	10	22	19	15	13	3	1	1									113
100.00	1	1	2	2	2	2	3	7	14	6	4	10	4	2	1										61
95.00				1	1		3	5	5		1	3	3												22
90.00						1	1			2															4
85.00				1																					1
TOTALS	1	1	7	8	18	31	49	80	126	172	212	213	232	217	183	133	100	53	38	17	5	4	4	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-WEIGHT	127.28	16.59	2.789X	- 10.468	13.82	0.553
X-INTERSCYE, MAXIMUM	49.39	3.29	0.110Y	+ 35.389	2.74	

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND BACK CURVATURE

BACK CURVATURE

WEIGHT	33 .75	34 .75	35 .75	36 .75	37 .75	38 .75	39 .75	40 .75	41 .75	42 .75	43 .75	44 .75	45 .75	46 .75	47 .75	48 .75	49 .75	50 .75	51 .75	52 .75	53 .75	TOT ALS
200.00												1			1							2
195.00																			1		1	2
190.00																			2			2
185.00															1		1	2	2	1		7
180.00													2		1							3
175.00													3	1			2		1			7
170.00							1				1	1	2	1	4	2	1		1			14
165.00											2		4	4	4	2	1					17
160.00									1	3	3	4	3	7	1	2	4		2			30
155.00							1	5	3	5	3	8	9	3	6	1	4	1				49
150.00				1	1	1	1	4	2	7	12	10	10	7	6	5	4	1				72
145.00					1		9	10	15	17	13	18	15	8	12	1	2		1			122
140.00			1		2	1	7	16	16	16	28	17	21	7	6	1	2	1				142
135.00			1	1	6	8	12	26	21	27	29	23	15	6	5	1						181
130.00			2	5	5	6	32	43	29	43	24	15	9	8	8	1			1			231
125.00		1	1	1	19	20	33	32	42	30	25	22	12	2		1						241
120.00			1	7	10	18	36	39	37	26	25	7	10	3		1	1					221
115.00			6	8	13	25	47	31	29	28	13	6	3									209
110.00	1	1	2	8	8	23	28	33	19	15	6	3	2	1		2						152
105.00	2	1	4	6	12	15	25	26	9	6	5		1		1							113
100.00		1	4	6	15	6	15	9	4		1											61
95.00			1	3	2	2	3	4	2	3		1		1								22
90.00				1		1		1	1													4
85.00				1																		1
TOTALS	3	4	23	48	94	126	250	279	230	226	190	136	121	59	56	20	22	5	11	1	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-WEIGHT	127.28	16.59	3.295X	- 11.586	13.19	0.606
X-BACK CURVATURE	42.15	3.05	0.112Y	+ 27.890	2.43	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND WAIST BACK

WAIST BACK

WEIGHT	33 .75	34 .75	35 .75	36 .75	37 .75	38 .75	39 .75	40 .75	41 .75	42 .75	43 .75	44 .75	45 .75	46 .75	47 .75	TOT ALS
200.00										1	1					2
195.00										1	1					2
190.00						1					1					2
185.00				2				1		1	2	1				7
180.00							1			2						3
175.00							2		1	1	2			1		7
170.00			1			2	2	2	2	2	1	1	1			14
165.00					1	2	3	2	3	3	1	2				17
160.00		1	1			2	2	6	5	5	3	4	1			30
155.00		2	1		2	3	6	11	9	8	4	1	2			49
150.00				1	2	6	10	15	14	10	8	4	1	1		72
145.00		1			5	8	15	20	22	22	17	9	3			122
140.00				4	11	14	17	32	28	14	11	5	5	1		142
135.00		1	3	8	11	18	24	42	28	20	12	8	6			181
130.00			2	7	14	30	38	48	30	32	22	3	3	2		231
125.00		3	2	12	33	32	45	47	32	18	9	3	4		1	241
120.00	1		4	9	23	37	41	46	31	14	9	3	2		1	221
115.00			3	14	30	31	44	39	21	17	6	2	2			209
110.00	1	1	1	13	22	20	28	28	19	10	4	3	1	1		152
105.00		1	5	8	18	21	17	21	11	8	3					113
100.00	1	2	2	6	10	12	14	5	5	2	1	1				61
95.00	1		1	1	1	7	5	2	2	2						22
90.00	1			2		1										4
85.00								1								1
TOTALS	5	12	26	87	183	247	314	368	263	193	118	50	31	6	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-WEIGHT	127.28	16.59	2.233X + 36.820	15.83	0.298
X-WAIST BACK	40.51	2.22	0.040Y + 35.420	2.12	

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND ANTERIOR WAIST LENGTH

ANTERIOR WAIST LENGTH

WEIGHT	27 .75	28 .75	29 .75	30 .75	31 .75	32 .75	33 .75	34 .75	35 .75	36 .75	37 .75	38 .75	39 .75	40 .75	41 .75	TOT ALS
200.00										1		1				2
195.00					1								1			2
190.00						1			1							2
185.00									2	3		2				7
180.00							1		1		1					3
175.00					1	1		1	1	1		1		1		7
170.00					1	2	1		3	4	1	1			1	14
165.00				2		3	2	4	4	1		1				17
160.00					4	5	4	3	5	5	1	2	1			30
155.00					7	1	4	14	13	5	5					49
150.00			1	3	5	10	10	13	13	10	7					72
145.00			1	3	4	18	15	39	21	14	3	2	2			122
140.00				3	11	24	32	26	27	10	7	1	1			142
135.00			2	6	19	35	32	47	29	7	1	2		1		181
130.00		1	2	17	25	43	51	42	30	11	7		1	1		231
125.00	1	2	4	22	36	60	44	44	16	8	3	1				241
120.00		1	6	26	42	46	50	29	15	4	1	1				221
115.00		5	9	22	45	44	40	25	13	4	2					209
110.00		1	8	16	32	42	32	12	8		1					152
105.00		2	9	17	34	24	18	7	2							113
100.00	1	2	3	13	22	10	4	4	1		1					61
95.00		1	3	5	4	7	2									22
90.00				1	1	2										4
85.00			1													1
TOTALS	2	15	49	156	294	378	342	310	205	88	41	15	6	3	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-WEIGHT	127.28	16.59	3.890X - 3.336	14.74	0.459
X-ANTERIOR WAIST LTH	33.58	1.96	0.054Y + 26.705	1.74	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND SLEEVE INSEAM

SLEEVE INSEAM

WEIGHT	36 .75	37 .75	38 .75	39 .75	40 .75	41 .75	42 .75	43 .75	44 .75	45 .75	46 .75	47 .75	48 .75	49 .75	50 .75	51 .75	52 .75	53 .75	TOT ALS
200.00								1							1				2
195.00						1					1								2
190.00							2												2
185.00					1	1	1	1			2		1						7
180.00							1	2											3
175.00								3	1	1		2							7
170.00				1		1	2	1	2	2	3	2							14
165.00						2	2	2	5	3	1	1	1						17
160.00					3	3	2	3	5	8	1	3	1		1				30
155.00					2	4	5	5	6	9	4	5	7	2					49
150.00		1		1	2	1	11	10	16	11	8	8	2	1					72
145.00	1		1		1	4	9	17	17	20	20	16	7	6	1		1	1	122
140.00			4	2	10	14	13	22	25	18	12	11	5	4	1		1		142
135.00			1	4	4	14	23	29	32	28	26	12	4	3			1		181
130.00	1		2	4	18	14	34	42	48	31	15	6	9	3	2	2			231
125.00			3	5	19	30	30	44	39	29	25	9	7	1					241
120.00		2	2	5	20	29	25	50	34	25	8	12	7	2					221
115.00		3	4	12	23	19	36	45	21	19	14	6	6		1				209
110.00		1	2	12	15	28	17	32	17	15	11	2							152
105.00			4	4	16	22	19	19	15	5	9								113
100.00	2		2	4	6	4	11	16	8	6	2								61
95.00			1	1	5	5	3	2	4			1							22
90.00						3	1												4
85.00				1															1
TOTALS	4	7	26	56	145	199	247	346	295	230	162	96	57	22	7	2	3	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-WEIGHT	127.28	16.59	1.979X	+	39.954	15.88	0.288
X-SLEEVE INSEAM	44.13	2.42	0.042Y	+	38.781	2.31	

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND SPINE-TO-SCYE LENGTH (SLEEVE LENGTH SEGMENT)

SPINE-TO-SCYE LENGTH (SLEEVE LENGTH SEGMENT)

WEIGHT	15 .50	16 .00	16 .50	17 .00	17 .50	18 .00	18 .50	19 .00	19 .50	20 .00	20 .50	21 .00	21 .50	22 .00	22 .50	23 .00	23 .50	24 .00	24 .50	25 .00	25 .50	TOT ALS
200.00														1		1						2
195.00														1		1						2
190.00																1	1					2
185.00												1	1	1	2		1	1				7
180.00													3									3
175.00												1		1	2	1	2					7
170.00								1		3	1	2	1	2	1	2	1					14
165.00								1	1		2	3	5	1	2		2					17
160.00								1		2	2	6	5	3	5	1	1	3			1	30
155.00								1	2	5	8	4	8	10	4	3	1		1	2		49
150.00						2	2	4	8	5	8	8	4	8	8	9	3	1	1	1		72
145.00						2	2	4	8	22	16	20	21	14	1	7	3	1		1		122
140.00						2	5	6	10	21	26	23	19	17	6	3	2		1	1		142
135.00	1	1	1		1	2	3	10	16	33	29	28	22	18	6	7	2	1				181
130.00				2	1	5	14	26	28	28	28	38	28	14	9	6	2	1		1		231
125.00	1	1	1	1	3	6	9	26	43	47	30	31	19	13	6	3	1					241
120.00				2	2	5	13	23	37	39	35	26	19	11	6	2	1					221
115.00		1		3	8	5	13	24	37	36	31	25	15	11								209
110.00				1		6	21	24	25	25	16	14	9	8	2	1						152
105.00			1	1	2	8	13	14	21	22	16	8	3	2	1	1						113
100.00			1	3		7	8	10	8	11	6	3	2	1	1							61
95.00					1	1	3	4	5	5	1	1		1								22
90.00						1	1	1		1												4
85.00									1													1
TOTALS	2	3	4	13	18	52	107	180	250	305	255	242	184	138	62	49	23	8	3	6	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-WEIGHT	127.28	16.59	5.254X	+	20.278	14.98	0.430
X-SPINE-TO-SCYE LGTH	20.37	1.36	0.035Y	+	15.911	1.23	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND SPINE-TO-ELBOW LENGTH (SLEEVE LENGTH SEGMENT)

SPINE-TO-ELBOW LENGTH (SLEEVE LENGTH SEGMENT)

WEIGHT	44 .75	45 .75	46 .75	47 .75	48 .75	49 .75	50 .75	51 .75	52 .75	53 .75	54 .75	55 .75	56 .75	57 .75	58 .75	59 .75	60 .75	61 .75	62 .75	TOT ALS
200.00												1					1			2
195.00												1		1						2
190.00											1		1							2
185.00										1	1	2	1	1			1			7
180.00												1	2							3
175.00											1	1	1	1	1	1			1	7
170.00								1	1	2	3	3	2	1		1				14
165.00							1	1		1	4	3	4	2	1					17
160.00									3	7	3	5	4	5	1	1		1		30
155.00								3	2	8	6	7	12	4	3	3	1			49
150.00						1		5	4	14	14	16	10	4	3	1				72
145.00						1	4	7	9	19	28	25	14	8	3	3			1	122
140.00							8	12	16	31	20	21	18	9	2	3		2		142
135.00			1		1	2	7	17	32	39	37	18	15	9	2	1				181
130.00					3	8	15	33	46	45	38	22	13	3	5					231
125.00			1	3	2	11	24	51	46	42	28	23	8	2						241
120.00					8	14	35	38	36	47	18	15	9	1						221
115.00		1	1	1	10	21	32	35	40	34	26	5	2	1						209
110.00				4	10	20	25	28	33	16	11	4	1							152
105.00				5	6	23	23	24	16	9	4	2	1							113
100.00	1		3	3	4	14	4	14	11	6	1									61
95.00				2	3	7	3	5	2											22
90.00						2	2													4
85.00						1														1
TOTALS	1	1	6	18	47	125	183	274	297	321	244	175	118	52	21	14	3	3	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-WEIGHT	127.28	16.59	3.921X	-	81.775	13.64	0.569
X-SPINE-TO-ELBOW LTH	53.32	2.41	0.083Y	+	42.753	1.98	

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND SPINE-TO-WRIST LENGTH (SLEEVE LENGTH SEGMENT)

SPINE-TO-WRIST LENGTH (SLEEVE LENGTH SEGMENT)

WEIGHT	67 .75	68 .75	69 .75	70 .75	71 .75	72 .75	73 .75	74 .75	75 .75	76 .75	77 .75	78 .75	79 .75	80 .75	81 .75	82 .75	83 .75	84 .75	85 .75	86 .75	87 .75	88 .75	89 .75	90 .75	TOT ALS
200.00																1								1	2
195.00														1					1						2
190.00														1				1							2
185.00												1			2		2		1		1				7
180.00														1			1	1							3
175.00														1		1	1		2			1		1	7
170.00										1			2	1	5	2		1		1			1		14
165.00										1	1			1	3	5	1	3	1	1					17
160.00											1	1	3	3	6	5	3	3	2		1		2		30
155.00									2	1	1	1	3	10	5	4	4	5	3	3	4	1	2		49
150.00						1				1	1	6	8	9	14	9	8	10	2	3					72
145.00							1		1	5	4	7	12	15	21	14	15	10	8	4	2	2		1	122
140.00								3	4	7	16	11	17	14	19	14	16	8	5	3	1	2	2		142
135.00						2	1		4	7	14	20	33	31	23	14	15	5	5	4	3				181
130.00						1	6	4	6	20	29	29	40	31	21	22	9	4	5	3		1			231
125.00					2	1	2	14	12	24	25	39	36	32	15	24	8	4	3						241
120.00					3	3	3	6	21	23	34	28	42	21	16	12	6	2	1						221
115.00			1	1		4	10	13	19	34	30	29	27	14	17	5	4		1						209
110.00					3	5	12	17	14	20	25	21	11	12	7	2	2	1							152
105.00					1	8	11	13	14	21	11	19	7	5		1	2								113
100.00	1		1		1	6	7	10	4	8	8	6	5	3	1										61
95.00				1		2	5	2	7	1	2	1			1										22
90.00								3	1																4
85.00								1																	1
TOTALS	1	0	2	2	10	33	58	86	109	174	202	219	246	206	176	135	97	58	40	22	12	7	7	3	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-WEIGHT	127.28	16.59	2.829X	-	97.861	13.67	0.566
X-SPINE-TO-WRIST LTH	79.58	3.32	0.113Y	+	65.201	2.74	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND GRIP STRENGTH

GRIP STRENGTH

WEIGHT	10 .50	12 .50	14 .50	16 .50	18 .50	20 .50	22 .50	24 .50	26 .50	28 .50	30 .50	32 .50	34 .50	36 .50	38 .50	40 .50	42 .50	44 .50	46 .50	48 .50	50 .50	52 .50	TOT ALS
200.00																1						1	2
195.00															1			1					2
190.00												1			1								2
185.00								3		1		1		2									7
180.00								1								1	1						3
175.00											1		2			1		1		1	1		7
170.00						1		1			1	4	3	3		1							14
165.00						1		2	2	1	5	3	1			1		1					17
160.00									1	6	8	4	5	4				2					30
155.00								3	2	2	10	8	7	2	5	6		1	2	1			49
150.00						2	2	4	1	12	7	13	10	8	6	4		1	2				72
145.00					1	1	5	6	9	16	20	16	13	12	11	5	3	3	1				122
140.00		2			1	2	5	9	11	13	26	24	16	8	10	7	5	1	1	1			142
135.00				1	2	2	11	16	12	19	39	18	26	11	9	9	3	2			1		181
130.00	1	1		1	1	7	9	24	21	33	36	21	31	15	17	6	4	2	1				231
125.00		1		1	3	9	20	16	35	42	35	35	16	16	9	2		1					241
120.00				1	3	4	24	17	29	44	37	22	19	7	8	3	2	1					221
115.00	1		1		5	23	15	24	31	31	34	13	15	8	6	2							209
110.00				1	3	10	16	20	18	25	24	19	8	3	4	1							152
105.00				1	2	9	17	16	19	17	13	11	4	2		2							113
100.00			1	2	1	3	9	9	10	13	7	3	1	2									61
95.00						2	3	7	1	5	1	2		1									22
90.00						1		1		2													4
85.00						1																	1
TOTALS	2	4	2	8	22	78	136	179	202	282	304	218	177	104	87	52	18	17	7	3	2	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-WEIGHT	127.28	16.59	1.050X	+	95.895	15.47	0.361
X-GRIP STRENGTH	29.89	5.70	0.124Y	+	14.109	5.32	

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND WAIST HEIGHT, OVER FOUNDATION GARMENT

WAIST HEIGHT, OVER FOUNDATION GARMENT

WEIGHT	87 .25	89 .25	91 .25	93 .25	95 .25	97 .25	99 .25	101 .25	103 .25	105 .25	107 .25	109 .25	111 .25	113 .25	115 .25	TOT ALS
200.00								1						1		2
195.00									2							2
190.00										2						2
185.00							1		3	2	1					7
180.00										3						3
175.00								1	3	1				1		6
170.00						4	1			2	1	2				10
165.00							1	1	3	4	2	2				13
160.00							4	1	6	3	2	5	1			22
155.00				1			7	7	8	6	8	3	3			43
150.00		1		1	1	1	3	8	16	18	8	1	2			60
145.00					3	7	4	21	15	27	14	7	4	2		104
140.00		1		3	7	9	15	20	20	16	15	7			1	114
135.00				2	7	19	20	32	30	20	11	6	3	2	2	154
130.00		1		8	9	27	36	43	31	24	8	3	2			192
125.00			4	8	13	24	48	41	29	9	13	4	1			194
120.00		1	2	9	16	24	42	32	30	9	5	3	2			175
115.00		1	6	8	23	25	40	28	21	7	5	2				166
110.00			6	6	16	26	19	18	8	2	2					103
105.00		1	4	8	19	17	14	10	4	3	1					81
100.00		2	2	6	13	13	5	2	1							44
95.00	1	1		3	5	4										14
90.00				1				1								2
TOTALS	1	9	24	64	132	200	260	267	230	158	96	45	18	6	3	1513

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-WEIGHT	128.16	16.52	1.766X	-	49.846	14.57	0.471
X-WAIST HEIGHT, OFG	100.80	4.40	0.126Y	+	84.649	3.89	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND ABDOMINAL EXTENSION HEIGHT, OVER FOUNDATION GARMENT

ABDOMINAL EXTENSION HEIGHT, OVER FOUNDATION GARMENT

WEIGHT	79 .25	81 .25	83 .25	85 .25	87 .25	89 .25	91 .25	93 .25	95 .25	97 .25	99 .25	101 .25	103 .25	105 .25	107 .25	TOT ALS
200.00								1						1		2
195.00								1	1							2
190.00								1		1						2
185.00						1	1		3	1	1					7
180.00								1	2							3
175.00							2	1	2						1	6
170.00			1			1	1	1	2		3	1				10
165.00						1	2	3	3	2		2				13
160.00				1		1	2	3	2	7	2	3	1			22
155.00					2	1	8	6	7	5	10	2	2			43
150.00		1		1	2	1	2	13	18	14	6		2			60
145.00				1	1	3	17	15	14	25	16	7	3		2	104
140.00			3	3	8	6	18	24	13	15	16	5	2		1	114
135.00			1	3	8	18	22	28	25	21	15	8	3	2		154
130.00		1	1	8	11	23	37	42	26	24	11	6	1	1		192
125.00			5	4	13	23	44	55	16	17	11	4	2			194
120.00	1		2	7	13	37	28	39	26	8	11	1	2			175
115.00			5	12	16	29	33	37	16	12	4	2				166
110.00			2	7	16	20	27	17	8	4	2					103
105.00		1	4	9	10	22	16	8	8	2	1					81
100.00		2		5	12	15	4	5	1							44
95.00	1		1	1	4	3	4									14
90.00				1				1								2
TOTALS	2	5	25	63	116	205	268	302	193	158	109	41	18	4	4	1513

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-WEIGHT	128.16	16.52	1.550X	-	15.740	15.10	0.405
X-ABDOM EXT HGT, OFG	92.84	4.31	0.106Y	+	79.254	3.94	

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND WAIST CIRCUMFERENCE, OVER FOUNDATION GARMENT

WAIST CIRCUMFERENCE, OVER FOUNDATION GARMENT

WEIGHT	55 .25	57 .25	59 .25	61 .25	63 .25	65 .25	67 .25	69 .25	71 .25	73 .25	75 .25	77 .25	79 .25	81 .25	83 .25	85 .25	87 .25	89 .25	TOT ALS
200.00															1	1			2
195.00																1	1		2
190.00													1	1					2
185.00												1	1		1	3	1		7
180.00												2	1						3
175.00												1	3	1			1		6
170.00												4	3	2				1	10
165.00									1	2	1	3	3	2		1			13
160.00								1	5	6	4	4		1	1				22
155.00							1	1	3	7	10	9	5	4	3				43
150.00								5	9	14	16	6	8	2					60
145.00						2	6	17	34	16	14	6	3	3	2	1			104
140.00						3	16	27	28	16	17	3	3		1				114
135.00					2	14	28	53	36	12	6	3							154
130.00				2	11	36	55	46	24	11	6	1							192
125.00				1	11	52	61	45	14	8	2								194
120.00				6	52	51	40	19	6		1								175
115.00			4	17	53	58	21	10	2		1								166
110.00		1	6	24	35	28	6	3											103
105.00		2	11	23	35	8	2												81
100.00		1	9	23	9	2													44
95.00			6	6	2														14
90.00			2																2
TOTALS		4	38	102	210	254	236	226	157	90	81	33	34	21	13	4	6	3	1 1513

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-WEIGHT	128.16	16.52	2.670X	-	48.680	8.61	0.853
X-WAIST CIRCUM, OFG	66.23	5.28	0.273Y	+	31.244	2.75	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND ABDOMINAL EXTENSION CIRCUMFERENCE, OVER FOUNDATION GARMENT

ABDOMINAL EXTENSION CIRCUMFERENCE, OVER FOUNDATION GARMENT

WEIGHT	70 .50	73 .00	75 .50	78 .00	80 .50	83 .00	85 .50	88 .00	90 .50	93 .00	95 .50	98 .00	100 .50	103 .00	105 .50	108 .00	110 .50	113 .00	115 .50	118 .00	TOT ALS
200.00															1			1			2
195.00																	2				2
190.00																				2	2
185.00													1		1		1	1	2	1	7
180.00														1		1			1		3
175.00										1					2	1	1	1			6
170.00											2			2	4			1	1		10
165.00												2	2	4	3	1		1			13
160.00										3	7	5	2	5							22
155.00									5	5	7	8	6	7	3	2					43
150.00									4	12	16	14	10	4							60
145.00						3	9	12	27	20	18	6	7	2							104
140.00				1	1	6	5	22	25	19	19	14		1	1						114
135.00			1	2	3	10	25	35	35	25	12	6									154
130.00		1		2	4	25	49	41	43	16	10	1									192
125.00				5	9	36	46	47	30	14	5	2									194
120.00			4	9	21	43	46	28	19	5											175
115.00			6	21	47	45	26	18	2		1										166
110.00		2	7	15	43	23	10	3													103
105.00	3	5	14	16	25	13	4	1													81
100.00		6	11	15	7	5															44
95.00	1	4	5	3	1																14
90.00	1		1																		2
TOTALS	5	18	49	89	161	209	220	207	190	120	97	58	28	26	15	5	4	5	4	3	1513

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-WEIGHT	128.16	16.52	1.920X	-	39.791	8.85	0.844
X-ABDOM EXT CIRC,OFG	87.48	7.26	0.371Y	+	39.927	3.89	

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND HIP CIRCUMFERENCE-SEVEN INCHES BELOW WAIST LEVEL, OVER FOUNDATION GARMENT

HIP CIRCUMFERENCE-SEVEN INCHES BELOW WAIST, OVER FOUNDATION GARMENT

WEIGHT	77 .25	79 .25	81 .25	83 .25	85 .25	87 .25	89 .25	91 .25	93 .25	95 .25	97 .25	99 .25	101 .25	103 .25	105 .25	107 .25	109 .25	111 .25	113 .25	115 .25	117 .25	119 .25	TOT ALS
200.00																	1				1		2
195.00																		1	1				2
190.00																					1	1	2
185.00																1		2		4			7
180.00															1			1			1		3
175.00											1				1		2	1	1				6
170.00													2	1	1	2	3			1			10
165.00														4	3	4		2					13
160.00										1	2	1	6	4	8								22
155.00										1	2	8	10	11	6	3	2						43
150.00										1	9	17	19	6	6	2							60
145.00									6	17	32	28	12	9									104
140.00								2	13	26	39	21	9	2	2								114
135.00						1	1	12	33	46	43	15	3										154
130.00							10	29	57	65	24	6	1										192
125.00						1	14	54	70	40	12	2	1										194
120.00						10	37	75	38	14	1												175
115.00					8	31	62	51	12	2													166
110.00				2	12	42	32	12	3														103
105.00				8	29	35	8	1															81
100.00			7	12	20	3	1	1															44
95.00			4	8	1	1																	14
90.00	1	1																					2
TOTALS	1	1	11	30	70	124	165	237	232	213	164	99	63	37	28	12	8	7	2	5	3	1	1513

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-WEIGHT	128.16	16.52	2.675X	-	122.524	6.69	0.914
X-HIP C-7" BLW W,OFG	93.71	5.65	0.312Y	+	53.728	2.29	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND HIP CIRCUMFERENCE-NINE INCHES BELOW WAIST LEVEL, OVER FOUNDATION GARMENT

HIP CIRCUMFERENCE-NINE INCHES BELOW WAIST, OVER FOUNDATION GARMENT

WEIGHT	77 .25	79 .25	81 .25	83 .25	85 .25	87 .25	89 .25	91 .25	93 .25	95 .25	97 .25	99 .25	101 .25	103 .25	105 .25	107 .25	109 .25	111 .25	113 .25	115 .25	117 .25	119 .25	TOT ALS
200.00																		1				1	2
195.00																		1	1				2
190.00																				1		1	2
185.00																	1	2		2	2		7
180.00																1		1		1			3
175.00														2				1	2	1			6
170.00												1	1	2		2	2	1		1			10
165.00														3	4	4		1	1				13
160.00										1		2	3	1	8	6	1						22
155.00											1	3	12	9	10	3	3	2					43
150.00											3	8	18	16	11	3	1						60
145.00										5	25	27	23	17	6	1							104
140.00								1	1	10	34	36	20	8	3	1							114
135.00						1		4	13	32	41	42	17	4									154
130.00							1	19	32	47	53	34	5	1									192
125.00						2	5	23	49	64	35	12	2	2									194
120.00					1	3	19	41	63	29	16	2	1										175
115.00					3	16	42	46	41	16	2												166
110.00					3	24	40	21	13	2													103
105.00			1	3	19	30	19	9															81
100.00		2	7	4	11	14	5	1															44
95.00			3	7	3		1																14
90.00	1	1																					2
TOTALS	1	3	11	14	40	90	132	165	212	206	210	167	102	65	42	21	8	10	4	6	2	2	1513

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-WEIGHT	128.16	16.52	2.537X	-	113.606	7.35	0.896
X-HIP C-9" BLW W,OFG	95.30	5.83	0.316Y	+	54.797	2.59	

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND WAIST BREADTH, OVER FOUNDATION GARMENT

WAIST BREADTH, OVER FOUNDATION GARMENT

WEIGHT	17 .75	18 .75	19 .75	20 .75	21 .75	22 .75	23 .75	24 .75	25 .75	26 .75	27 .75	28 .75	29 .75	30 .75	TOT ALS
200.00										2					2
195.00									1				1		2
190.00									1			1			2
185.00								2		2	1	1	1		7
180.00							1		1	1					3
175.00									3	2	1				6
170.00								6	1	2				1	10
165.00						1	4	4	2		2				13
160.00					3	3	8	4	1	3					22
155.00				2	2	10	11	11	6		1				43
150.00					12	14	15	12	6	1					60
145.00			2	9	18	36	20	11	7		1				104
140.00			5	16	33	33	18	7	2						114
135.00		1	14	34	52	37	12	2	2						154
130.00		5	28	57	55	31	12	1	3						192
125.00		5	34	66	55	26	4	3	1						194
120.00	2	17	55	58	25	14	2	2							175
115.00	4	29	50	57	21	4	1								166
110.00	6	24	45	20	5	3									103
105.00	9	25	24	18	4	1									81
100.00	11	17	14	1	1										44
95.00	3	8	3												14
90.00	2														2
TOTALS	37	131	274	338	286	213	108	65	37	13	6	2	2	1	1513

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-WEIGHT	128.16	16.52	6.712X	-	15.431	10.37	0.778
X-WAIST BREADTH, OFG	21.39	1.92	0.090Y	+	9.859	1.20	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND HIP BREADTH, OVER FOUNDATION GARMENT

HIP BREADTH, OVER FOUNDATION GARMENT

WEIGHT	27 .75	28 .75	29 .75	30 .75	31 .75	32 .75	33 .75	34 .75	35 .75	36 .75	37 .75	38 .75	39 .75	40 .75	41 .75	42 .75	TOT ALS
200.00											1					1	2
195.00													1	1			2
190.00														1		1	2
185.00												3	2	1	1		7
180.00												2			1		3
175.00								1		1	1	2	1				6
170.00								1	2	2	1	1	2			1	10
165.00									3	2	4	3	1				13
160.00						1	1		3	8	7	2					22
155.00							3	4	12	13	7	3	1				43
150.00							6	8	19	13	9	5					60
145.00					2	4	14	34	28	14	6	2					104
140.00						5	33	29	30	13	4						114
135.00			1		6	19	45	46	27	7	3						154
130.00				4	23	34	55	47	20	9							192
125.00			2	5	23	56	60	31	16	1							194
120.00		1	2	8	40	54	51	16	3								175
115.00			6	16	57	56	23	7	1								166
110.00			6	27	40	19	9	1	1								103
105.00		3	13	33	22	7	3										81
100.00	2	7	10	12	11	1	1										44
95.00		3	5	6													14
90.00	2																2
TOTALS	4	14	45	111	224	256	304	225	165	83	43	23	8	3	2	3	1513

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-WEIGHT	128.16	16.52	6.302X	-	84.040	9.51	0.818
X-HIP BREADTH, OFG	33.67	2.14	0.106Y	+	20.087	1.23	

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND WAIST DEPTH, OVER FOUNDATION GARMENT

WAIST DEPTH, OVER FOUNDATION GARMENT

WEIGHT	11 .75	12 .75	13 .75	14 .75	15 .75	16 .75	17 .75	18 .75	19 .75	20 .75	21 .75	22 .75	23 .75	24 .75	TOT ALS
200.00										1		1			2
195.00														2	2
190.00										2					2
185.00								2		1	2	1	1		7
180.00								2	1						3
175.00						1			2	2	1				6
170.00							1	1	2	1	3	1		1	10
165.00					1	1	2	1	3	2	1	2			13
160.00					1	8	3	5	2	2		1			22
155.00				1	4	8	8	6	8	4	3	1			43
150.00					9	16	17	12	4	2					60
145.00				7	25	29	22	12	6	1	2				104
140.00			3	13	42	32	15	9							114
135.00			5	39	57	36	11	5	1						154
130.00		2	20	44	90	22	8	3	2	1					192
125.00		4	25	54	68	32	9	2							194
120.00		9	42	65	45	11	2	1							175
115.00	1	12	51	61	32	7	2								166
110.00	1	13	42	31	13	2	1								103
105.00	1	21	36	19	3	1									81
100.00	1	10	23	9	1										44
95.00		8	4	2											14
90.00		1	1												2
TOTALS	4	80	252	345	391	206	101	61	31	19	12	7	1	3	1513

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-WEIGHT	128.16	16.52	6.866X	+	20.717	10.60	0.767
X-WAIST DEPTH, OFG	15.65	1.85	0.086Y	+	4.627	1.18	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND ABDOMINAL EXTENSION DEPTH, OVER FOUNDATION GARMENT

ABDOMINAL EXTENSION DEPTH, OVER FOUNDATION GARMENT

WEIGHT	13 .75	14 .75	15 .75	16 .75	17 .75	18 .75	19 .75	20 .75	21 .75	22 .75	23 .75	24 .75	25 .75	26 .75	27 .75	28 .75	29 .75	TOT ALS
200.00														1		1		2
195.00																	2	2
190.00															1		1	2
185.00										1		1		1	1	1	2	7
180.00											1		1		1			3
175.00								1					2	2	1			6
170.00												3	3	2		1	1	10
165.00									1		4	2		2	3	1		13
160.00							1	4	2	4	3	5	2	1				22
155.00							3	6	4	6	14	3	5	1		1		43
150.00						1	6	9	8	19	6	6	2	3				60
145.00					4	5	16	20	27	18	6	6	2					104
140.00					3	12	25	28	17	17	11		1					114
135.00				3	11	26	32	42	24	14	2							154
130.00			2	1	23	51	50	35	18	7	2	1	1	1				192
125.00			2	6	25	47	57	33	17	5	2							194
120.00			2	23	45	47	32	18	6	2								175
115.00			7	31	48	39	32	9										166
110.00	1	1	9	21	37	20	11	2		1								103
105.00		3	10	31	17	17	3											81
100.00		2	9	18	10	4	1											44
95.00	1	3	2	5	3													14
90.00			1		1													2
TOTALS	2	9	44	139	227	269	269	207	124	94	51	27	19	14	7	5	6	1513

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-WEIGHT	128.16	16.52	5.311X	+	23.027	10.11	0.791
X-ABDOM EXT DPTH,OFG	19.80	2.46	0.118Y	+	4.672	1.51	

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND BUTTOCK DEPTH, OVER FOUNDATION GARMENT

BUTTOCK DEPTH, OVER FOUNDATION GARMENT

WEIGHT	16 .75	17 .75	18 .75	19 .75	20 .75	21 .75	22 .75	23 .75	24 .75	25 .75	26 .75	27 .75	28 .75	29 .75	30 .75	TOT ALS
200.00												1			1	2
195.00												1	1			2
190.00														2		2
185.00										1	2	1	2	1		7
180.00									1			1	1			3
175.00								1	1		2	1			1	6
170.00									4	2	3	1				10
165.00								1	4	2	2	3	1			13
160.00					1			5	6	6	2	2				22
155.00					1	3	8	7	12	8	3	1				43
150.00						2	17	22	13	4	2					60
145.00					2	22	34	29	13	3		1				104
140.00					7	36	38	21	10	2						114
135.00				1	23	61	53	13	3							154
130.00				10	56	79	38	5	4							192
125.00			1	18	67	76	24	6	2							194
120.00			12	43	69	40	10	1								175
115.00		1	24	60	59	20	1	1								166
110.00		2	22	43	27	7	2									103
105.00		5	40	30	5		1									81
100.00	1	11	19	10	2	1										44
95.00	2	7	5													14
90.00		2														2
TOTALS	3	28	123	215	319	347	226	112	73	28	16	13	5	3	2	1513

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-WEIGHT	128.16	16.52	7.207X	-	27.432	8.39	0.861
X-BUTTOCK DEPTH, OFG	21.59	1.97	0.103Y	+	8.389	1.00	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND BUTTOCK CIRCUMFERENCE, SITTING, OVER FOUNDATION GARMENT

BUTTOCK CIRCUMFERENCE, SITTING, OVER FOUNDATION GARMENT

WEIGHT	83 .25	85 .25	87 .25	89 .25	91 .25	93 .25	95 .25	97 .25	99 .25	101 .25	103 .25	105 .25	107 .25	109 .25	111 .25	113 .25	115 .25	117 .25	119 .25	121 .25	123 .25	125 .25	127 .25	129 .25	TOTALS
200.00																		1					1		2
195.00																			1	1					2
190.00																					1			1	2
185.00																	2	2		1	1		1		7
180.00																1			1			1			3
175.00													2		1			2			1				6
170.00														3	2	2	1	1		1					10
165.00													1	3	2	2	3		2						13
160.00											1	1	4	7	5	2	2								22
155.00											2	7	12	5	12	3	1	1							43
150.00									1		5	20	16	10	5	1	2								60
145.00									9	14	25	25	18	12	1										104
140.00								4	14	24	29	26	10	2	4	1									114
135.00							5	13	29	50	36	19	2												154
130.00							11	31	69	43	24	11	2	1											192
125.00						3	23	53	62	33	13	4	3												194
120.00				2	1	20	49	43	46	11	1	2													175
115.00				1	18	40	55	34	16	2															166
110.00				7	21	36	27	8	3	1															103
105.00			2	12	30	28	8		1																81
100.00		1	10	12	15	5	1																		44
95.00		3	6	3	1		1																		14
90.00	1		1																						2
TOTALS	1	4	19	37	86	132	180	186	250	178	136	115	70	43	32	12	11	7	4	3	3	1	2	1	1513

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-WEIGHT	128.16	16.52	2.442X	-	115.110	7.14	0.902
X-BUTTOCK C, SIT,OFG	99.62	6.10	0.333Y	+	56.942	2.64	

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND THIGH-TO-THIGH BREADTH, SITTING, OVER FOUNDATION GARMENT

THIGH-TO-THIGH BREADTH, SITTING, OVER FOUNDATION GARMENT

WEIGHT	28 .75	29 .75	30 .75	31 .75	32 .75	33 .75	34 .75	35 .75	36 .75	37 .75	38 .75	39 .75	40 .75	41 .75	42 .75	43 .75	44 .75	45 .75	46 .75	47 .75	48 .75	TOTALS
200.00														1							1	2
195.00																		2				2
190.00																1			1			2
185.00															4		1	1	1			7
180.00																1	1		1			3
175.00											1		1			1	3					6
170.00											1		2	1	1	2	1	2				10
165.00												3	1	4	3	1		1				13
160.00									1	1	2	2	5	3	7	1						22
155.00								1			5	9	6	11	6	4	1					43
150.00										6	13	13	16	7	4	1						60
145.00								2	7	20	27	24	14	7	1	2						104
140.00								5	14	19	32	21	14	5	3	1						114
135.00						1	1	3	11	32	32	42	21	11								154
130.00							5	10	25	45	50	26	22	5	4							192
125.00					2		2	18	38	58	34	25	11	6								194
120.00				2	1	11	23	58	38	28	9	5										175
115.00				4	4	22	49	38	26	17	5	1										166
110.00				1	8	24	25	29	11	4	1											103
105.00				6	13	28	22	8	3		1											81
100.00	1		2	8	9	14	6	3	1													44
95.00			1	6	4	2	1															14
90.00			1	1																		2
TOTALS	1	0	4	28	42	109	157	218	236	211	190	132	81	43	29	15	7	6	3	0	1	1513

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-WEIGHT	128.16	16.52	5.107X	-	62.052	9.50	0.818
X-THI-THI BR,SIT,OFG	37.25	2.65	0.131Y	+	20.456	1.52	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND STATURE AS REPORTED BY SUBJECTS

STATURE AS REPORTED BY SUBJECTS

WEIGHT	58 .00	59 .00	60 .00	61 .00	62 .00	63 .00	64 .00	65 .00	66 .00	67 .00	68 .00	69 .00	70 .00	71 .00	72 .00	73 .00	74 .00	TOTALS
200.00										1					1			2
195.00							1				1							2
190.00										1	1							2
185.00									3		3	1						7
180.00										1	1	1						3
175.00								1		2	2		1				1	7
170.00					2		2	1		2	2	3	1	1				14
165.00							1	3	1	2	4	3	2	1				17
160.00					1		2	2	3	5	7	4	4	1	1			30
155.00					3		4	5	10	6	10	6	3		1	1		49
150.00					2	2	3	6	13	13	25	5	3					72
145.00			1		2	2	4	19	23	22	27	13	6	2	1			122
140.00			1	3	6	9	12	22	25	26	21	11	3	1	1			141
135.00				2	10	16	23	36	29	20	24	16	4		1			181
130.00		1	1	5	11	21	47	39	44	34	19	6	1	1				230
125.00			5	11	20	38	44	42	35	25	12	4	3	2				241
120.00			4	11	22	33	53	35	34	16	10	1		1	1			221
115.00		2	7	16	26	49	42	29	17	12	6	3						209
110.00			11	14	35	25	34	15	9	5	2	2						152
105.00			13	6	31	27	14	10	9	2	1							113
100.00	1		9	11	16	9	7	5	3									61
95.00			5	2	9	3	2	1										22
90.00			1	1	2													4
85.00					1													1
TOTALS	1	3	58	82	199	234	295	271	258	195	178	79	31	10	7	1	1	1903

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-WEIGHT	127.27	16.59	3.825X - 120.606	13.74	0.561
X-HEIGHT,ESTIMATED	64.81	2.43	0.082Y + 54.369	2.01	

A BIVARIATE FREQUENCY TABLE FOR
TRICEPS SKINFOLD AND SUBSCAPULAR SKINFOLD

SUBSCAPULAR SKINFOLD

TRICEPS SKINFOLD	5 .25	7 .25	9 .25	11 .25	13 .25	15 .25	17 .25	19 .25	21 .25	23 .25	25 .25	27 .25	29 .25	31 .25	33 .25	35 .25	37 .25	TOTALS
46.25														2				2
44.25															1			1
42.25																		0
40.25									1									1
38.25										1								1
36.25						1	1	1	1	1					1	1		7
34.25					1			1		1	1		2		1		1	8
32.25			1		2		2	2	7	1	1	3	1	2	1	1		24
30.25			2	2	1	7	3	5	2	2		2	1	1				28
28.25			1	8	6	7	6	5	8	5	2	2						50
26.25		1	4	15	12	16	16	15	12	8	5	4	3		1			112
24.25		8	16	20	38	18	22	12	9	6	1	3						153
22.25		7	30	45	53	36	14	18	6	2	6	2			1			220
20.25		11	57	73	55	48	19	17	6	1	3		1		1			292
18.25		25	69	60	48	22	17	11	2	4	1							259
16.25	1	41	59	63	39	28	12	7	1	1								252
14.25	3	56	70	43	27	10	1	1	2		1							214
12.25	6	52	54	32	12	4	2		1									163
10.25	3	39	23	5	1	3	2				1							77
8.25	3	17	7	3	2		1											33
6.25	2	4	2															8
TOTALS	18	261	395	369	297	200	118	95	58	33	22	16	8	5	7	2	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-TRICEPS SKINFOLD	19.03	5.44	0.685X + 10.224	4.31	0.610
X-SUBSCAPULAR SKINFD	12.86	4.85	0.544Y + 2.505	3.84	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
TRICEPS SKINFOLD AND SUPRAILIAC SKINFOLD

SUPRAILIAC SKINFOLD

TRICEPS SKINFOLD	5 .25	7 .25	9 .25	11 .25	13 .25	15 .25	17 .25	19 .25	21 .25	23 .25	25 .25	27 .25	29 .25	31 .25	33 .25	35 .25	37 .25	39 .25	41 .25	43 .25	45 .25	47 .25	49 .25	TOT ALS
46.25																					2			2
44.25																	1							1
42.25																								0
40.25																						1		1
38.25										1														1
36.25													2	1	1		2	1						7
34.25										1					2	1		2		1	1			8
32.25							1	1	1	1	4	4	2	3	5		1				1			24
30.25			1	1			1	1	1	4	3	3	4	5	1	1	2							28
28.25						2	1	6	4	4	3	7	2	9	3	6		1	1				1	50
26.25			1	1	1	3	5	11	7	13	16	13	9	12	4	8	5	2			1			112
24.25			2	7	1	8	12	22	16	22	10	23	17	8	4	1								153
22.25		2	4	6	8	15	21	38	34	23	23	17	12	8	2	4	1	1		1				220
20.25		3	9	11	20	30	26	40	43	34	28	22	13	6	4	2		1						292
18.25		5	10	17	35	36	26	31	38	27	15	8	9	1	1									259
16.25	2	5	9	11	29	26	47	31	38	28	11	10	3		2									252
14.25	2	11	17	29	31	37	25	20	18	11	4	2	4	2	1									214
12.25	2	10	17	23	30	22	15	18	7	12	4	2	1											163
10.25		11	14	14	11	9	9	3	2		4													77
8.25	3	8	10	1	3	4		2	1				1											33
6.25	4	2	1	1																				8
TOTALS	13	57	95	122	169	192	189	224	210	181	125	111	79	55	30	23	12	8	1	2	5	1	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-TRICEPS SKINFOLD	19.03	5.44	0.469X	+	9.782	4.34	0.604
X-SUPRAILIAC SKINFLD	19.72	7.01	0.779Y	+	4.897	5.59	

A BIVARIATE FREQUENCY TABLE FOR
TRICEPS SKINFOLD AND MEDIAL CALF SKINFOLD

MEDIAL CALF SKINFOLD

TRICEPS SKINFOLD	2 .25	4 .25	6 .25	8 .25	10 .25	12 .25	14 .25	16 .25	18 .25	20 .25	22 .25	24 .25	26 .25	28 .25	30 .25	32 .25	34 .25	36 .25	TOT ALS
46.25												1	1						2
44.25																		1	1
42.25																			0
40.25													1						1
38.25														1					1
36.25									1	3	1		1			1			7
34.25								2	1		2	1					1	1	8
32.25			1					4		2	8	2	3	2	1			1	24
30.25	1					1	1	5	4	5	5	2	3	1					28
28.25		1				2	3	5	6	6	10	5	6	3	2	1			50
26.25	1	1		2	2	2	10	20	10	14	24	10	9	4	3				112
24.25		2	1	2	5	14	14	24	26	35	19	7	3	1					153
22.25	4	4		5	9	24	31	37	31	32	13	18	8	1	1	1	1		220
20.25	5	3	1	2	17	28	51	52	55	39	24	7	5	1	2				292
18.25	10	4	2	6	17	31	54	39	43	29	14	5	4	1					259
16.25	3		2	6	25	41	72	49	29	15	6	2	1		1				252
14.25	2			9	38	51	48	37	18	5	3	2	1						214
12.25	2	1	5	19	26	39	31	18	13	5	4								163
10.25	2	2	8	10	16	18	14	3	2	1				1					77
8.25		2	7	8	6	4	4		1	1									33
6.25		1	3	4															8
TOTALS	30	21	30	73	161	255	333	295	240	192	133	62	46	16	10	3	2	3	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-TRICEPS SKINFOLD	19.03	5.44	0.539X	+	10.437	4.68	0.511
X-MEDIAL CALF SKINFD	15.95	5.17	0.485Y	+	6.716	4.44	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
SUBSCAPULAR SKINFOLD AND SUPRAILIAC SKINFOLD

SUPRAILIAC SKINFOLD

SUBSCAPULAR SKINFOLD	5 .25	7 .25	9 .25	11 .25	13 .25	15 .25	17 .25	19 .25	21 .25	23 .25	25 .25	27 .25	29 .25	31 .25	33 .25	35 .25	37 .25	39 .25	41 .25	43 .25	45 .25	47 .25	49 .25	TOT ALS
37.25															1									1
35.25												1						1						2
33.25													1	1	2		3							7
31.25											2			1							2			5
29.25										1		1		3	1			2						8
27.25					1			1		2	1	2	1	1	1	4					1		1	16
25.25								1	1		2	5	3	1	3	2	1	1		2				22
23.25					1	1			2	2	1	2	5	5	5	3	1	3	1		1			33
21.25						1	2	4	3	6	9	7	7	10	3	2	3					1		58
19.25				1	1	5	3	9	12	9	14	7	17	6	4	4	1	1			1			95
17.25			3	3	1	7	3	12	20	22	9	13	10	7	4	3	1							118
15.25			4	2	7	12	15	21	38	27	27	21	11	8	3	2	2							200
13.25		1	2	11	18	21	39	52	45	30	28	30	11	7	1	1								297
11.25		1	7	21	31	52	60	51	46	49	19	15	9	4	2	2								369
9.25	2	11	34	42	67	61	40	59	34	30	8	5	2											395
7.25	9	37	41	42	39	32	26	13	9	3	5	2	2	1										261
5.25	2	7	4		3		1	1																18
TOTALS	13	57	95	122	169	192	189	224	210	181	125	111	79	55	30	23	12	8	1	2	5	1	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-SUBSCAPULAR SKINFD	12.86	4.85	0.456X + 3.865	3.65	0.659
X-SUPRAILIAC SKINFLD	19.72	7.01	0.953Y + 7.469	5.27	

A BIVARIATE FREQUENCY TABLE FOR
SUBSCAPULAR SKINFOLD AND MEDIAL CALF SKINFOLD

MEDIAL CALF SKINFOLD

SUBSCAPULAR SKINFOLD	2 .25	4 .25	6 .25	8 .25	10 .25	12 .25	14 .25	16 .25	18 .25	20 .25	22 .25	24 .25	26 .25	28 .25	30 .25	32 .25	34 .25	36 .25	TOT ALS
37.25																		1	1
35.25										1	1								2
33.25							1					1	2		1			2	7
31.25			1					1				1	2						5
29.25						1		2	1		2		1		1				8
27.25	1				1	1	2	3			2	4		1	1				16
25.25						1	3	6	4	3	3		1	1					22
23.25		1		1			3	4	2	8	6	4	2	2					33
21.25		2		1		4	4	10	9	6	10	1	5	3	2	1			58
19.25		2		1	3	11	12	19	12	12	12	7	2	1			1		95
17.25	3	2	2		5	11	22	16	17	15	11	5	7	1	1				118
15.25	2	1	1	8	14	21	33	34	27	26	18	6	6		2	1			200
13.25	7	2	3	4	23	32	46	49	48	42	19	12	2	4	2	1	1		297
11.25	5	2	3	13	29	54	82	54	42	45	23	9	6	2					369
9.25	9	3	4	22	42	70	74	63	50	22	18	9	9						395
7.25	3	6	13	20	41	44	47	34	28	12	8	3	1	1					261
5.25			3	3	3	5	4												18
TOTALS	30	21	30	73	161	255	333	295	240	192	133	62	46	16	10	3	2	3	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-SUBSCAPULAR SKINFD	12.86	4.85	0.311X + 7.900	4.57	0.332
X-MEDIAL CALF SKINFD	15.95	5.17	0.353Y + 11.407	4.87	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
SUPRAILIAC SKINFOLD AND MEDIAL CALF SKINFOLD

MEDIAL CALF SKINFOLD

SUPRAILIAC SKINFOLD	2 .25	4 .25	6 .25	8 .25	10 .25	12 .25	14 .25	16 .25	18 .25	20 .25	22 .25	24 .25	26 .25	28 .25	30 .25	32 .25	34 .25	36 .25	TOTALS
49.25												1							1
47.25													1							1
45.25												2	1	1			1			5
43.25										1	1									2
41.25														1						1
39.25								2		3	2	1								8
37.25	1						1			1	4	2	1			1		1		12
35.25					1	2		4	2	3	3	5	2		1					23
33.25		1	1		1	1	5	5	2	4	3	3	1		1			2		30
31.25	1		1	2		2	5	11	8	3	13	2	2	2	2	1				55
29.25	1	1		1	2	7	11	14	14	11	7	1	5	2	2					79
27.25	1	2		1	5	5	15	16	24	17	15	3	6	1						111
25.25	3	3	2	3	7	9	19	15	16	15	15	9	7	1	1					125
23.25	2	4		2	11	19	26	36	24	26	14	7	4	4	2					181
21.25	4			6	6	26	42	38	36	28	12	6	5			1				210
19.25	4	2	3	5	20	35	41	34	27	30	15	4	2	1			1			224
17.25	1	3	1	5	16	29	49	29	24	16	9	2	3	2						189
15.25	5	1	3	15	27	29	33	30	15	18	7	4	3	1	1					192
13.25		1	4	9	23	34	33	22	23	10	6	4								169
11.25	1		5	5	18	22	27	22	10	3	4	4	1							122
9.25	5	2	4	8	12	20	13	13	9	3	2	2	2							95
7.25	1	1	3	9	10	12	11	3	6		1									57
5.25			3	2	2	3	2	1												13
TOTALS	30	21	30	73	161	255	333	295	240	192	133	62	46	16	10	3	2	3	1905	

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-SUPRAILIAC SKINFLD	19.72	7.01	0.505X	+	11.670	6.51	0.372
X-MEDIAL CALF SKINFD	15.95	5.17	0.274Y	+	10.542	4.80	

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND STATURE, MAXIMUM

STATURE, MAXIMUM

STATURE	145 .25	147 .25	149 .25	151 .25	153 .25	155 .25	157 .25	159 .25	161 .25	163 .25	165 .25	167 .25	169 .25	171 .25	173 .25	175 .25	177 .25	179 .25	181 .25	183 .25	TOTALS
183.25																				1	1
181.25																			1		1
179.25																		8	1		9
177.25																	9	5			14
175.25																10	3				13
173.25														1	41	11					53
171.25														61	21						82
169.25												1	83	41							125
167.25												113	74								187
165.25										1	125	57									183
163.25										164	77										241
161.25									2	183	75										260
159.25								146	65												211
157.25							132	58													190
155.25						101	59														160
153.25					58	29	1														88
151.25				42	18																60
149.25			13	4																	17
147.25		5	3																		8
145.25	2																				2
TOTALS	2	5	16	46	76	130	192	206	248	240	202	171	157	103	62	21	12	13	2	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-STATURE	162.10	6.00	0.995X	+	0.169	0.38	0.998
X-STATURE, MAXIMUM	162.75	6.02	1.001Y	+	0.482	0.38	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND CERVICALE HEIGHT

CERVICALE HEIGHT

STATURE	121 .25	123 .25	125 .25	127 .25	129 .25	131 .25	133 .25	135 .25	137 .25	139 .25	141 .25	143 .25	145 .25	147 .25	149 .25	151 .25	153 .25	155 .25	157 .25	TOTALS
183.25																		1		1
181.25																	1			1
179.25																1	2	4	2	9
177.25															1	4	8	1		14
175.25															5	4	4			13
173.25														17	28	8				53
171.25													12	50	20					82
169.25											3	16	59	46	1					125
167.25										1	22	86	70	8						187
165.25										14	84	82	3							183
163.25									11	115	101	13	1							241
161.25								18	102	126	14									260
159.25							5	68	120	17	1									211
157.25						8	64	95	22	1										190
155.25					2	35	93	29	1											160
153.25					15	43	29	1												88
151.25			1	8	33	18														60
149.25			1	9	7															17
147.25		1	4	3																8
145.25	1	1																		2
TOTALS	1	2	6	20	57	104	191	211	256	274	225	197	145	121	55	17	15	6	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-STATURE	162.10	6.00	1.063X	+	14.138	1.28	0.977
X-CERVICALE HEIGHT	139.20	5.52	0.898Y	-	6.373	1.17	

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND ACROMIAL HEIGHT

ACROMIAL HEIGHT

STATURE	115 .25	117 .25	119 .25	121 .25	123 .25	125 .25	127 .25	129 .25	131 .25	133 .25	135 .25	137 .25	139 .25	141 .25	143 .25	145 .25	147 .25	149 .25	151 .25	TOTALS
183.25																			1	1
181.25																1				1
179.25																4	4	1		9
177.25													1		3	6	4			14
175.25													2	3	7	1				13
173.25													14	22	15	2				53
171.25											2	13	33	24	10					82
169.25										2	15	42	50	14	2					125
167.25									1	12	69	75	28	2						187
165.25								1	13	59	83	25	2							183
163.25							1	16	86	93	41	4								241
161.25						1	11	74	117	50	7									260
159.25						3	41	108	50	8	1									211
157.25					6	32	79	62	10	1										190
155.25				3	17	73	51	15	1											160
153.25				8	35	33	10	2												88
151.25			3	32	23	2														60
149.25			8	6	3															17
147.25		2	5	1																8
145.25	1	1																		2
TOTALS	1	3	16	50	84	144	193	278	278	225	218	159	130	65	37	14	8	1	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-STATURE	162.10	6.00	1.051X	+	23.518	1.70	0.959
X-ACROMIAL HEIGHT	131.86	5.48	0.875Y	-	9.980	1.56	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND SUPRASTERNALE HEIGHT

SUPRASTERNALE HEIGHT

STATURE	117 .25	119 .25	121 .25	123 .25	125 .25	127 .25	129 .25	131 .25	133 .25	135 .25	137 .25	139 .25	141 .25	143 .25	145 .25	147 .25	149 .25	151 .25	TOT ALS
183.25																		1	1
181.25																1			1
179.25															3	6			9
177.25													1	2	8	3			14
175.25													3	7	3				13
173.25												12	30	11					53
171.25											8	49	23	2					82
169.25									1	11	55	50	7	1					125
167.25									7	80	80	20							187
165.25								7	66	89	21								183
163.25							4	68	123	44	2								241
161.25						2	55	156	44	3									260
159.25					4	25	126	54	2										211
157.25					21	102	62	4	1										190
155.25				6	80	68	6												160
153.25			4	33	45	5	1												88
151.25		3	21	29	7														60
149.25		4	11	2															17
147.25	1	6	1																8
145.25	2																		2
TOTALS	3	13	37	70	157	202	254	289	244	227	166	131	64	23	14	10	0	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-STATURE	162.10	6.00	1.102X	+	16.638	1.39	0.973
X-SUPRASTERNALE HGHT	132.00	5.30	0.859Y	-	7.245	1.23	

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND BUSTPOINT HEIGHT

BUSTPOINT HEIGHT

STATURE	101 .25	103 .25	105 .25	107 .25	109 .25	111 .25	113 .25	115 .25	117 .25	119 .25	121 .25	123 .25	125 .25	127 .25	129 .25	131 .25	133 .25	135 .25	137 .25	TOT ALS
183.25																		1		1
181.25																1				1
179.25																4	2	2	1	9
177.25													1		3	5	4	1		14
175.25														4	7	1		1		13
173.25												3	13	20	13	4				53
171.25										2	4	14	30	17	14	1				82
169.25										8	16	35	47	16	3					125
167.25								1	3	16	67	67	27	5	1					187
165.25								5	11	64	62	34	6	1						183
163.25							2	18	61	93	51	16								241
161.25							9	58	98	75	17	3								260
159.25						5	39	77	65	19	6									211
157.25					3	16	64	73	27	6		1								190
155.25				2	11	37	69	32	9											160
153.25				5	17	34	22	9	1											88
151.25		1	1	14	27	13	4													60
149.25			2	7	6	2														17
147.25		1	2	3	2															8
145.25	1		1																	2
TOTALS	1	2	6	31	66	107	209	273	275	283	223	173	124	63	41	16	6	5	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-STATURE	162.10	6.00	1.067X	+	35.857	2.26	0.927
X-BUSTPOINT HEIGHT	118.32	5.21	0.805Y	-	12.174	1.96	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND WAIST HEIGHT

WAIST HEIGHT

STATURE	87 .25	89 .25	91 .25	93 .25	95 .25	97 .25	99 .25	101 .25	103 .25	105 .25	107 .25	109 .25	111 .25	113 .25	115 .25	TOTALS
183.25													1			1
181.25														1		1
179.25												2	3	1	3	9
177.25											4	4	4	1	1	14
175.25											5	5	2	1		13
173.25									2	5	22	16	6	2		53
171.25								1	13	28	25	11	4			82
169.25							1	6	39	45	32	1	1			125
167.25						1	4	21	87	53	19	2				187
165.25						4	15	64	79	17	4					183
163.25					2	25	69	92	46	4	2	1				241
161.25				1	5	48	110	68	28							260
159.25			1	1	25	63	77	38	5	1						211
157.25				14	60	74	34	7	1							190
155.25			4	27	73	48	8									160
153.25		1	8	39	28	10	2									88
151.25	1	4	14	31	10											60
149.25		1	8	8												17
147.25	1	6		1												8
145.25	1	1														2
TOTALS	3	13	35	122	203	273	320	297	300	153	113	42	21	6	4	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-STATURE	162.10	6.00	1.219X	+	39.864	2.44	0.914
X-WAIST HEIGHT	100.28	4.50	0.685Y	-	10.762	1.83	

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND ABDOMINAL EXTENSION HEIGHT

ABDOMINAL EXTENSION HEIGHT

STATURE	79 .25	81 .25	83 .25	85 .25	87 .25	89 .25	91 .25	93 .25	95 .25	97 .25	99 .25	101 .25	103 .25	105 .25	107 .25	TOTALS
183.25														1		1
181.25														1		1
179.25											1	1		4	3	9
177.25											2	4	3	5		14
175.25											1	5	6	1		13
173.25										7	17	17	9	3		53
171.25								3	5	22	31	14	7			82
169.25							1	4	19	50	34	16	1			125
167.25						1	2	16	62	65	34	6	1			187
165.25						1	13	43	67	41	16	2				183
163.25						8	51	93	62	24	2		1			241
161.25					4	24	79	105	41	6	1					260
159.25				1	11	40	91	51	13	4						211
157.25			1	6	31	74	63	13	2							190
155.25			1	21	44	60	27	7								160
153.25			3	15	48	17	4	1								88
151.25	1		14	16	24	5										60
149.25			5	9	3											17
147.25	1	2	3	1	1											8
145.25	1	1														2
TOTALS	3	3	27	69	166	230	331	336	271	219	139	65	28	15	3	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-STATURE	162.10	6.00	1.218X	+	48.644	2.65	0.897
X-ABDOMINAL EXT HGT	93.15	4.42	0.661Y	-	13.998	1.96	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND TROCHANTERIC HEIGHT

TROCHANTERIC HEIGHT

STATURE	69 .25	71 .25	73 .25	75 .25	77 .25	79 .25	81 .25	83 .25	85 .25	87 .25	89 .25	91 .25	93 .25	95 .25	97 .25	TOT ALS
183.25													1			1
181.25													1			1
179.25											2	1	1	4	1	9
177.25										1	4	2	5	2		14
175.25										2	3	5	3			13
173.25									1	16	19	12	2	2	1	53
171.25								2	15	33	22	5	5			82
169.25							3	12	31	41	24	12	2			125
167.25						3	8	37	57	61	19	1	1			187
165.25					1	8	19	59	62	27	7					183
163.25				1	1	20	58	79	58	18	4	2				241
161.25				2	5	40	78	87	36	11	1					260
159.25					26	53	73	41	15	3						211
157.25			2	8	34	70	51	19	5	1						190
155.25			2	17	53	57	24	6	1							160
153.25			10	19	29	22	6	2								88
151.25	1	3	11	19	19	7										60
149.25		1	3	5	7	1										17
147.25		2	3	3												8
145.25	1		1													2
TOTALS	2	6	32	74	175	281	320	344	281	214	105	40	21	8	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-STATURE	162.10	6.00	1.198X	+	63.062	3.14	0.852
X-TROCHANTERIC HGHT	82.67	4.27	0.606Y	-	15.562	2.24	

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND BUTTOCK HEIGHT

BUTTOCK HEIGHT

STATURE	65 .25	67 .25	69 .25	71 .25	73 .25	75 .25	77 .25	79 .25	81 .25	83 .25	85 .25	87 .25	89 .25	91 .25	93 .25	95 .25	97 .25	TOT ALS
183.25																1		1
181.25																	1	1
179.25													2	1	3	3		9
177.25												2	5	2	4	1		14
175.25												5	3	5				13
173.25										1	8	10	19	13	2			53
171.25										6	19	29	18	9			1	82
169.25									6	13	41	45	13	6	1			125
167.25								4	9	48	66	47	10	3				187
165.25							2	6	23	65	61	23	3					183
163.25							7	22	64	71	58	14	4	1				241
161.25						2	19	56	80	74	25	1	3					260
159.25					1	2	23	63	76	35	8	3						211
157.25					7	8	44	75	40	15	1							190
155.25					2	30	56	42	26	3	1							160
153.25					10	19	35	17	6	1								88
151.25		1			10	27	14	8										60
149.25				1	1	10	3	1	1									17
147.25			2	3	2	1												8
145.25	1			1														2
TOTALS	1	1	2	5	33	99	203	294	331	332	288	179	80	40	10	5	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-STATURE	162.10	6.00	1.222X	+	61.639	3.19	0.847
X-BUTTOCK HEIGHT	82.21	4.16	0.588Y	-	13.104	2.21	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND GLUTEAL FURROW HEIGHT

GLUTEAL FURROW HEIGHT

STATURE	59 .25	61 .25	63 .25	65 .25	67 .25	69 .25	71 .25	73 .25	75 .25	77 .25	79 .25	81 .25	83 .25	85 .25	87 .25	TOT ALS
183.25														1		1
181.25													1			1
179.25											2		1	5	1	9
177.25								1	1	1	3	5	1	2		14
175.25									2	1	5	3	2			13
173.25									5	14	20	11	3			53
171.25								6	8	35	23	8	2			82
169.25						2	3	16	32	37	32	3				125
167.25					2	1	12	39	64	50	16	2	1			187
165.25					1	5	31	63	53	24	5	1				183
163.25					5	18	51	82	59	19	5	2				241
161.25				1	9	34	83	81	37	14	1					260
159.25				1	20	57	65	51	14	3						211
157.25				6	29	72	57	23	3							190
155.25			3	10	37	63	39	7	1							160
153.25			3	17	24	28	13	3								88
151.25	1		6	14	25	13	1									60
149.25			1	7	5	3	1									17
147.25	1	3		2	2											8
145.25	1	1														2
TOTALS	3	4	13	58	159	296	356	372	279	198	112	35	11	8	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-STATURE	162.10	6.00	1.251X	+	71.155	3.39	0.825
X-GLUTEAL FURROW HGT	72.70	3.96	0.544Y	-	15.483	2.24	

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND TIBIALE HEIGHT

TIBIALE HEIGHT

STATURE	33 .75	34 .75	35 .75	36 .75	37 .75	38 .75	39 .75	40 .75	41 .75	42 .75	43 .75	44 .75	45 .75	46 .75	47 .75	48 .75	49 .75	TOT ALS
183.25													1					1
181.25															1			1
179.25												1		1	3	3	1	9
177.25												2	2	3	3	3	1	14
175.25											1	1	3	3	3	1	1	13
173.25										4	12	9	16	8	2	1	1	53
171.25									5	12	11	18	11	18	4	2	1	82
169.25							1	4	10	25	35	27	14	7	2			125
167.25					1		1	6	29	41	43	41	16	6	3			187
165.25						1	6	21	36	43	41	27	7	1				183
163.25					2	3	11	45	64	53	38	18	5	2				241
161.25				1		7	29	58	69	57	27	10	2					260
159.25				1	5	17	32	65	50	28	11	2						211
157.25				3	9	32	50	37	39	13	7							190
155.25				2	13	37	43	43	15	7								160
153.25			1	3	20	17	23	12	8	4								88
151.25		1	3	8	15	13	10	9	1									60
149.25				2	5	9	1											17
147.25			3	1	1	3												8
145.25	1				1													2
TOTALS	1	1	7	21	72	139	207	300	326	287	226	156	77	49	21	10	5	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-STATURE	162.10	6.00	1.987X	+	78.684	3.71	0.787
X-TIBIALE HEIGHT	41.98	2.38	0.311Y	-	8.432	1.47	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND CROTCH HEIGHT

CROTCH HEIGHT

STATURE	61 .25	63 .25	65 .25	67 .25	69 .25	71 .25	73 .25	75 .25	77 .25	79 .25	81 .25	83 .25	85 .25	87 .25	TOTALS
183.25													1		1
181.25														1	1
179.25											1	2	2	4	9
177.25										1	3	6	2	2	14
175.25										4	2	6	1		13
173.25									5	14	22	8	2	2	53
171.25								5	18	28	20	11			82
169.25							1	18	42	29	26	9			125
167.25						2	17	37	56	61	11	2	1		187
165.25						3	19	77	66	14	3	1			183
163.25				1	3	16	63	93	42	15	7	1			241
161.25					8	43	95	77	28	9					260
159.25					21	53	82	45	8	2					211
157.25				9	42	72	46	17	4						190
155.25			2	20	42	59	25	11	1						160
153.25			4	23	26	22	12		1						88
151.25	1	1	7	18	23	10									60
149.25			4	6	7										17
147.25		3	3	2											8
145.25	1		1												2
TOTALS	2	4	21	79	172	280	360	380	271	177	95	46	9	9	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-STATURE	162.10	6.00	1.265X	+	67.855	3.17	0.849
X-CROTCH HEIGHT	74.50	4.03	0.570Y	-	17.894	2.13	

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND ANKLE HEIGHT

ANKLE HEIGHT

STATURE	7 .50	8 .00	8 .50	9 .00	9 .50	10 .00	10 .50	11 .00	11 .50	12 .00	12 .50	13 .00	13 .50	14 .00	14 .50	15 .00	15 .50	16 .00	TOTALS
183.25										1									1
181.25												1							1
179.25						1		3	2				1		2				9
177.25						1	1	1	1	3	2	1			1	2		1	14
175.25							2	1	3	2	1	3				1			13
173.25					2	7	1	11	4	9	6	6	2	2	1	2			53
171.25				1	1	11	12	7	9	8	6	11	1	10	2	1	1	1	82
169.25			1	2	4	19	10	22	13	11	12	17	4	5		1	2	2	125
167.25				6	5	23	26	31	17	20	17	21	7	10	2	2			187
165.25				2	14	30	20	28	17	26	19	18	1	5	2		1		183
163.25			1	7	20	45	19	40	21	36	13	23	6	7	2		1		241
161.25			2	13	21	39	22	34	35	38	27	22	1	4	2				260
159.25		1	1	16	15	37	34	26	25	28	9	14	2	3					211
157.25		3	2	13	13	42	21	32	12	20	15	14	2	1					190
155.25	1		2	10	10	30	20	22	25	20	8	6	2	3	1				160
153.25			2	11	11	17	12	15	8	7	2	2		1					88
151.25		1	1	7	8	14	5	11	8	2	1	2							60
149.25		1		2	4	2	3	3		2									17
147.25			1	1	1		3	1	1										8
145.25			1					1											2
TOTALS	1	6	14	91	129	318	211	289	201	233	138	161	29	51	15	9	5	4	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-STATURE	162.10	6.00	1.357X	+	146.923	5.72	0.306
X-ANKLE HEIGHT	11.19	1.35	0.069Y	+	0.002	1.29	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND LATERAL MALLEOLUS HEIGHT

LATERAL MALLEOLUS HEIGHT

STATURE	5 .00	5 .50	6 .00	6 .50	7 .00	7 .50	8 .00	8 .50	TOTALS
183.25								1	1
181.25							1		1
179.25					4	2	2	1	9
177.25				2	4	4	2	2	14
175.25				3	3	2	5		13
173.25				6	25	14	8		53
171.25			2	8	39	26	5	2	82
169.25			10	20	46	33	13	3	125
167.25		1	19	43	78	33	11	2	187
165.25		3	18	43	80	25	13	1	183
163.25		5	27	58	96	39	12	4	241
161.25	2	4	46	82	90	30	6		260
159.25	2	6	32	65	76	21	9		211
157.25	1	9	44	69	56	10		1	190
155.25	3	5	40	49	54	6	3		160
153.25	3	4	28	31	18	4			88
151.25	3	8	17	19	11	2			60
149.25		1	5	6	4	1			17
147.25			3	2	3				8
145.25		1		1					2
TOTALS	14	47	291	507	687	252	90	17	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-STATURE	162.10	6.00	4.355X	+	132.603	5.43	0.426
X-LAT"L MALLEOLUS HT	6.77	0.59	0.042Y	-	0.034	0.53	

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND SITTING HEIGHT, RELAXED

SITTING HEIGHT, RELAXED

STATURE	73 .75	74 .75	75 .75	76 .75	77 .75	78 .75	79 .75	80 .75	81 .75	82 .75	83 .75	84 .75	85 .75	86 .75	87 .75	88 .75	89 .75	90 .75	91 .75	92 .75	93 .75	94 .75	95 .75	TOTALS
183.25																						1		1
181.25																				1				1
179.25															1	1		1	3	1	1		1	9
177.25																1	1	7	1	4				14
175.25													1	2	1	2	1	1	2	1	2			13
173.25											1	3	2	8	8	8	12	8	2		1			53
171.25									1		1	3	6	16	19	16	12	5	2	1				82
169.25									1	1	5	12	14	23	21	27	10	7	3	1				125
167.25							1	1	3	12	16	23	33	39	27	22	5	3	1	1				187
165.25							1	1	4	11	23	33	39	28	24	12	7							183
163.25				1	2		5	6	11	28	38	40	41	43	14	7	3		2					241
161.25				1	3	2	6	19	28	38	42	45	35	29	8	3	1							260
159.25				2	1	2	14	20	25	44	44	33	18	6	2									211
157.25				1	3	5	10	33	39	46	23	14	12	3	1									190
155.25			1	1	9	15	22	28	38	20	17	7	1	1										160
153.25	1	1	1	4	6	12	10	22	14	10	5	2												88
151.25		2		3	5	17	11	13	2	4	1	1	1											60
149.25				3	6	5	2	1																17
147.25			1	1		3		2		1														8
145.25					1	1																		2
TOTALS	1	3	3	17	36	62	82	146	166	215	216	216	203	198	126	99	52	32	16	10	4	1	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-STATURE	162.10	6.00	1.445X	+	40.322	3.74	0.782
X-SITTING HT,RELAXED	84.28	3.25	0.424Y	+	15.546	2.03	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND SITTING HEIGHT

SITTING HEIGHT

STATURE	75 .75	76 .75	77 .75	78 .75	79 .75	80 .75	81 .75	82 .75	83 .75	84 .75	85 .75	86 .75	87 .75	88 .75	89 .75	90 .75	91 .75	92 .75	93 .75	94 .75	95 .75	96 .75	TOT ALS
183.25																				1			1
181.25																			1				1
179.25														1	1		1	3	2			1	9
177.25															1	2	2	4	3	2			14
175.25														4	2	1	2	1	2	1			13
173.25										1	2	2	6	5	14	7	11	4		1			53
171.25								1		1	1	6	12	19	17	11	9	4	1				82
169.25									3	3	10	16	18	21	30	11	9	4					125
167.25							1	3	2	14	20	34	43	33	20	9	6	2					187
165.25							1	4	8	19	37	35	37	22	13	7							183
163.25					2	1	6	8	19	43	52	39	31	22	12	4		2					241
161.25					1	5	11	27	40	47	42	42	28	12	4	1							260
159.25				1		10	13	27	40	53	31	22	12	2									211
157.25			1		4	11	27	36	44	36	15	10	5	1									190
155.25			2	2	10	10	46	39	18	20	9	3	1										160
153.25	1		4	5	13	12	19	15	12	9	1												88
151.25	2		2	6	9	16	14	4	3	3	1												60
149.25			2	5	7	3																	17
147.25		1		2	2		1	1	1														8
145.25					2																		2
TOTALS	3	1	11	21	47	68	139	165	190	249	221	209	193	142	114	53	40	24	9	5	0	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-STATURE	162.10	6.00	1.517X	+	32.248	3.60	0.601
X-SITTING HEIGHT	85.60	3.17	0.423Y	+	17.030	1.90	

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND EYE HEIGHT, SITTING

EYE HEIGHT, SITTING

STATURE	63 .75	64 .75	65 .75	66 .75	67 .75	68 .75	69 .75	70 .75	71 .75	72 .75	73 .75	74 .75	75 .75	76 .75	77 .75	78 .75	79 .75	80 .75	81 .75	82 .75	TOT ALS
183.25																				1	1
181.25															1						1
179.25															2		1	2	1	3	9
177.25													1		1	3	4	2	2	1	14
175.25														5	2	1	2		2	1	13
173.25									1	1	3	2	4	10	11	10	5	5	1		53
171.25							1	1		2	2	8	16	11	16	17	5	2	1		82
169.25									2	7	15	12	23	20	22	10	8	3	3		125
167.25								2	5	11	31	34	39	26	17	14	5	2	1		187
165.25							1	6	9	27	28	31	28	27	14	9	3				183
163.25				1	1	1	5	17	25	32	42	41	32	27	11	3	1		2		241
161.25				1	1	3	15	24	41	40	44	40	25	19	4	3					260
159.25			1		3	6	11	25	31	49	37	26	17	5							211
157.25			1	1	8	9	15	30	48	32	25	15	3	3							190
155.25			1	3	6	17	20	29	35	27	15	2	2	3							160
153.25		1	2	2	9	13	12	18	16	8	3	4									88
151.25		1	2	3	8	13	11	10	8	1		1	2								60
149.25	1	1		3	4	3	3	2													17
147.25				2	1	1	3		1												8
145.25					1			1													2
TOTALS	1	3	7	16	42	66	97	165	222	237	245	216	192	156	101	70	34	16	13	6	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-STATURE	162.10	6.00	1.447X	+	55.453	4.06	0.737
X-EYE HEIGHT,SITTING	73.70	3.06	0.375Y	+	12.916	2.07	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND MIDSHOULDER HEIGHT, SITTING

MIDSHOULDER HEIGHT, SITTING

STATURE	50 .75	51 .75	52 .75	53 .75	54 .75	55 .75	56 .75	57 .75	58 .75	59 .75	60 .75	61 .75	62 .75	63 .75	64 .75	65 .75	66 .75	TOT ALS
183.25															1			1
181.25														1				1
179.25											1	2	2	1	1	1	1	9
177.25											3	3	2	2	3		1	14
175.25							1		1	2		2	3	2	1	1		13
173.25							1	2	7	12	5	12	8	5	1			53
171.25							1	4	5	17	19	19	9	6	2			82
169.25							6	13	16	24	19	21	12	8	4	1	1	125
167.25				1	2	6	10	28	35	36	31	18	14	5	1			187
165.25					5	4	22	34	34	43	26	11	3	1				183
163.25			2	2	10	26	42	48	36	36	20	13	4	2				241
161.25			2	6	14	39	44	62	36	36	11	8		2				260
159.25		1	1	5	20	34	44	45	30	23	8							211
157.25		1	7	14	21	34	48	32	22	8	2	1						190
155.25		2	10	18	34	35	28	21	6	4	2							160
153.25	2	1	12	12	16	22	11	7	4	1								88
151.25	1	3	7	23	11	6	6	2	1									60
149.25		5	3	6	1		2											17
147.25			1	2	1	2		2										8
145.25		1		1														2
TOTALS	3	14	45	90	135	208	266	300	233	242	147	110	57	35	14	3	3	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-STATURE	162.10	6.00	1.618X	+	68.263	4.19	0.716
X-MIDSHOULDER HT,SIT	58.00	2.66	0.317Y	+	6.611	1.85	

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND WAIST HEIGHT, SITTING

WAIST HEIGHT, SITTING

STATURE	18 .00	18 .50	19 .00	19 .50	20 .00	20 .50	21 .00	21 .50	22 .00	22 .50	23 .00	23 .50	24 .00	24 .50	25 .00	25 .50	26 .00	26 .50	27 .00	27 .50	28 .00	28 .50	29 .00	TOT ALS
183.25												1												1
181.25																1								1
179.25										1	1	2		1			1	1	1		1			9
177.25										1		3	1	2	1	4			1		1			14
175.25					1				1	1		1	1	2		2	1	1	2					13
173.25						3			4	1	5	2	12	8	3	4	2	2	3	3	1			53
171.25					1	1	2	2	3	4	4	6	9	9	17	5	7	6	4	1			1	82
169.25					1	1	1	4	8	8	18	10	7	21	15	12	6	7	3	1	2			125
167.25			1		2	3	2	4	11	14	15	19	25	32	21	11	12	4	4	6			1	187
165.25		1	1		2	1	5	13	12	13	19	18	25	22	26	12	6	3	1	3				183
163.25				1	6	4	9	11	22	29	24	32	25	27	18	18	9	2	2		1		1	241
161.25			1	3	7	3	10	17	34	21	26	40	28	23	20	11	8	3	3	2				260
159.25			1	1	2	7	9	13	20	17	34	16	33	18	19	8	11	2						211
157.25		2	2	1	3	11	13	18	24	26	20	26	18	13	5	3		2	3					190
155.25		3	3		6	7	13	25	21	11	20	19	15	8	3	3	2		1					160
153.25	1		1	4	6	3	10	10	12	11	6	11	8	2	1	1	1							88
151.25	1		2	1	4	4	10	7	3	10	4	7	4	1	1			1						60
149.25	1				1	2	1	3	3	2	1	1	1							1				17
147.25				1			1		1	1	3	1												8
145.25						1		1																2
TOTALS	3	6	12	12	42	51	86	128	179	171	200	215	212	189	150	95	66	34	28	17	6	0	3	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-STATURE	162.10	6.00	1.399X	+	129.412	5.49	0.404
X-WAIST HGHT,SITTING	23.37	1.73	0.117Y	+	4.402	1.59	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND ELBOW REST HEIGHT

ELBOW REST HEIGHT

STATURE	14 .75	15 .75	16 .75	17 .75	18 .75	19 .75	20 .75	21 .75	22 .75	23 .75	24 .75	25 .75	26 .75	27 .75	28 .75	29 .75	TOT ALS
183.25										1							1
181.25								1									1
179.25								2	1		2	1	2		1		9
177.25							1	2	1	2	4	2	1	1			14
175.25					1	1	1	1	3	2		1	2		1		13
173.25			2		1	4	2	10	8	8	9	4	1	2	1	1	53
171.25			1		2	5	3	13	13	14	9	10	6	1	4	1	82
169.25					3	12	13	14	21	19	14	12	6	4	7		125
167.25				1	11	11	15	32	25	31	20	23	9	6	3		187
165.25				4	7	13	20	22	30	37	19	11	13	5	2		183
163.25	1	1	2	2	14	23	29	32	41	37	28	12	7	6	5	1	241
161.25		1	2	6	14	25	30	46	41	32	24	20	7	7	5		260
159.25			2	2	8	27	24	25	30	32	32	20	6	2	1		211
157.25			1	3	10	18	25	32	39	28	21	7	4	1	1		190
155.25		1	1	7	10	18	24	26	22	19	13	14	4	1			160
153.25		1	1	5	6	9	13	10	12	14	8	4	3	2			88
151.25	1			1	4	12	11	8	7	7	5	1	1	2			60
149.25				2	2	3	3	5		2							17
147.25							1	2		1	3	1					8
145.25						1			1								2
TOTALS	2	4	12	33	93	182	215	283	295	286	211	143	72	40	31	3	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-STATURE	162.10	6.00	0.497X + 150.818	5.88	0.204
X-ELBOW REST HEIGHT	22.71	2.46	0.083Y + 9.252	2.41	

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND POPLITEAL HEIGHT

POPLITEAL HEIGHT

STATURE	33 .75	34 .75	35 .75	36 .75	37 .75	38 .75	39 .75	40 .75	41 .75	42 .75	43 .75	44 .75	45 .75	46 .75	TOT ALS
183.25												1			1
181.25													1		1
179.25										1	2	3	2	1	9
177.25								1		2	2	3	3	3	14
175.25									2	3	2	5	1		13
173.25								1	4	16	14	10	5	3	53
171.25							1	6	16	17	20	15	6	1	82
169.25						1	5	13	34	31	30	6	3	2	125
167.25							12	33	53	59	21	8	1		187
165.25					2	3	16	44	64	35	15	3	1		183
163.25					2	6	31	83	79	32	6	2			241
161.25					3	18	61	80	77	18	2			1	260
159.25				1	6	23	53	83	36	9					211
157.25				1	14	33	48	69	21	3	1				190
155.25			3	8	21	32	42	41	11	2					160
153.25			3	7	17	13	27	15	5		1				88
151.25		3	2	9	14	10	11	8	3						60
149.25			2	3	3	6		3							17
147.25		2	3	1	1	1									8
145.25	1		1												2
TOTALS	1	5	14	30	83	146	307	480	405	228	116	56	23	11	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-STATURE	162.10	6.00	2.348X + 65.724	4.12	0.728
X-POPLITEAL HEIGHT	41.05	1.86	0.225Y + 4.574	1.28	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND BUTTOCK-POPLITEAL LENGTH

BUTTOCK-POPLITEAL LENGTH

STATURE	38 .75	39 .75	40 .75	41 .75	42 .75	43 .75	44 .75	45 .75	46 .75	47 .75	48 .75	49 .75	50 .75	51 .75	52 .75	53 .75	54 .75	55 .75	56 .75	57 .75	58 .75	TOT ALS
183.25																					1	1
181.25													1									1
179.25											1	2		1	2	1	1		1			9
177.25												1	3	5		1	3	1				14
175.25										1	3		2	3		2	1	1				13
173.25									1	3	11	6	7	5	7	6	5	2				53
171.25							1	2	3	6	11	16	13	12	7	7	4					82
169.25							1	4	4	20	17	29	22	13	8	1	4	2				125
167.25						3	7	5	24	27	27	37	23	16	10	4	3	1				187
165.25						2	4	21	28	26	37	24	19	15	4	1	2					183
163.25					2	3	20	21	30	54	31	41	21	8	6	2	2					241
161.25				3	3	15	31	48	44	41	33	21	14	4	1	2						260
159.25				1	5	13	25	32	46	42	23	17	4		2	1						211
157.25				3	13	14	38	39	41	14	14	7	6	1								190
155.25				3	9	22	36	38	18	20	8	5	1									160
153.25	1		2	2	6	12	25	19	7	8	5	1										88
151.25		2	1	3	9	7	13	12	7	5	1											60
149.25			1		1	5	5	2	2	1												17
147.25		1		2	1		4															8
145.25							2															2
TOTALS	1	3	4	17	49	96	212	243	255	268	222	207	136	83	47	28	25	7	1	0	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-STATURE	162.10	6.00	1.421X	+	94.306	4.55	0.653
X-BUTTOCK-POPLIT'L L	47.71	2.76	0.300Y	-	0.920	2.09	

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND BUTTOCK-KNEE LENGTH

BUTTOCK-KNEE LENGTH

STATURE	48 .75	49 .75	50 .75	51 .75	52 .75	53 .75	54 .75	55 .75	56 .75	57 .75	58 .75	59 .75	60 .75	61 .75	62 .75	63 .75	64 .75	65 .75	66 .75	TOT ALS
183.25																		1		1
181.25														1						1
179.25												1	2	2	1	3				9
177.25										1			1	7	3	1			1	14
175.25										1	1	2	1	4	3	1				13
173.25									1	3	4	9	12	11	7	5	1			53
171.25										1	6	6	21	16	17	10	4	1		82
169.25								1	4	11	32	31	21	15	6	4				125
167.25							2	5	19	27	41	37	28	16	7	4	1			187
165.25					1	1	2	8	34	44	35	33	17	5		3				183
163.25							13	28	45	52	42	35	15	8	1		2			241
161.25					2	9	17	60	72	49	32	11	6	2						260
159.25					3	9	38	40	56	36	16	7	4	1	1					211
157.25			2		10	33	26	43	45	17	10	4								190
155.25			1	5	9	34	46	30	22	8	2	3								160
153.25		1	1	5	14	25	16	12	8	3	2	1								88
151.25	1		2	11	8	12	14	8	4											60
149.25			1		3	9	2	1	1											17
147.25	1		2	1		4														8
145.25				2																2
TOTALS	2	1	9	24	50	136	176	236	312	258	223	195	123	89	39	25	5	1	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-STATURE	162.10	6.00	1.752X	+	61.489	3.84	0.769
X-BUTTOCK-KNEE LNGTH	57.43	2.63	0.337Y	+	2.799	1.68	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND ACROMION-RADIALE LENGTH

ACROMION-RADIALE LENGTH

STATURE	25.50	26.00	26.50	27.00	27.50	28.00	28.50	29.00	29.50	30.00	30.50	31.00	31.50	32.00	32.50	33.00	33.50	34.00	34.50	35.00	35.50	36.00	36.50	TOTALS
183.25																					1			1
181.25																						1		1
179.25																2	1	4	1		1			9
177.25											1				7		1		2	2			1	14
175.25														1	3	1	4		2	1	1			13
173.25											1	1	2	5	8	11	11	8	3		2	1		53
171.25							1	1		2		4	8	14	13	9	15	9	3	1		2		82
169.25										1	2	10	19	19	27	16	16	9	3	1	2			125
167.25							1	1	4	6	13	21	27	30	44	21	11	4	4					187
165.25						1		5	6	10	22	25	32	34	21	15	10	1				1		183
163.25							3	5	12	19	40	34	38	28	39	11	8	3				1		241
161.25						3	2	6	16	48	51	49	33	21	20	7	2	2						260
159.25					1	4	12	12	18	33	43	27	34	14	5	6	2							211
157.25				1	3	6	14	15	34	28	34	25	22	3	4	1								190
155.25		1	1	1	5	9	22	26	25	28	21	12	7	2										160
153.25			1		6	7	16	16	19	8	8	5		1		1								88
151.25		2	2		4	13	11	7	8	5	4	2	1	1										60
149.25					2	4	4	1	2	3			1											17
147.25	2	1		2		2		1																8
145.25		1					1																	2
TOTALS	2	5	4	4	21	49	87	96	144	191	240	215	224	173	191	101	81	40	18	5	7	6	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-STATURE	162.10	6.00	2.676X	+ 79.131	4.14	0.725
X-ACROMION-RADIALE L	31.01	1.63	0.196Y	- 0.766	1.12	

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND RADIALE-STYLION LENGTH

RADIALE-STYLION LENGTH

STATURE	19.00	19.50	20.00	20.50	21.00	21.50	22.00	22.50	23.00	23.50	24.00	24.50	25.00	25.50	26.00	26.50	27.00	27.50	28.00	TOTALS
183.25											1									1
181.25																1				1
179.25											1	1		1	4		1		1	9
177.25												2	2	2	1	4	1	2		14
175.25										1		3	1	3		3	2			13
173.25								1	2	4	10	11	6	10	3	2	3	1		53
171.25									3	10	17	17	8	10	10	5	1	1		82
169.25					1				10	24	26	19	15	14	10	5		1		125
167.25						2	7	9	15	24	40	38	20	14	9	5	4			187
165.25						2	7	20	25	34	33	25	21	11	2	1	2			183
163.25				1	1	5	14	21	42	58	47	31	7	7	4	2	1			241
161.25				1	3	9	24	43	56	43	32	25	16	4	4					260
159.25			1	5	1	17	28	48	34	43	15	14	4	1						211
157.25			3	1	12	19	23	41	35	29	17	7	2	1						190
155.25	1		2	7	13	25	37	28	15	15	9	6	2							160
153.25				8	8	15	20	17	9	7	2	1	1							88
151.25			3	6	12	13	11	7	4	3	1									60
149.25		2		2	2	6	1	2	2											17
147.25		1	2	3			1	1												8
145.25			1		1															2
TOTALS	1	3	12	34	54	113	173	238	252	295	251	200	105	78	47	28	15	5	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-STATURE	162.10	6.00	2.922X	+ 93.767	4.48	0.666
X-RADIALE-STYLION L	23.39	1.37	0.152Y	- 1.253	1.02	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND THUMB-TIP REACH

THUMB-TIP REACH

STATURE	62 .75	63 .75	64 .75	65 .75	66 .75	67 .75	68 .75	69 .75	70 .75	71 .75	72 .75	73 .75	74 .75	75 .75	76 .75	77 .75	78 .75	79 .75	80 .75	81 .75	82 .75	83 .75	84 .75	85 .75	86 .75	TOTALS
183.25																	1									1
181.25																				1						1
179.25														2	1	1		3		1				1		9
177.25																2	2	2	2	2	3				1	14
175.25									1			1	2		1	1		1	2	1		1	1		1	13
173.25									1	3	1		6	5	3	9	6	3	7	4	1	1	2	1		53
171.25									3	1	6	5	4	1	18	11	16	6	2	2	5	1		1		82
169.25								1	2	1	4	11	13	15	17	19	12	13	5	5	3	2	1		1	125
167.25						1	2	2	2	10	12	11	25	20	29	19	14	24	6	8	1			1		187
165.25								2	6	14	18	26	29	18	16	20	13	11	3	3	3	1				183
163.25					1		2	7	10	18	32	29	34	31	35	17	11	5	5	2	1			1		241
161.25				1	1		7	8	15	28	40	41	39	31	21	18	4	5		1						260
159.25				3	3	6	11	25	24	26	24	25	24	18	9	8	3	2								211
157.25		1	3	3	8	6	12	16	22	29	24	17	19	11	5	8	3	3								190
155.25	1		2	3	8	17	14	18	25	21	16	11	8	5	6	2	2	1								160
153.25		2		4	7	9	8	12	15	9	7	7	2	1	2		3									88
151.25	1	4	1	7	4	7	10	7	5	5	6		2	1												60
149.25				3	3	3	1		4	1			2													17
147.25	1			1	2		1		3																	8
145.25					1			1																		2
TOTALS	3	7	6	25	38	49	68	99	138	166	190	184	209	159	163	135	90	79	32	30	17	6	4	5	3	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-STATURE	162.10	6.00	1.001X	+	87.898	4.58	0.646
X-THUMB-TIP REACH	74.13	3.88	0.417Y	+	6.534	2.96	

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND THUMB-TIP REACH, EXTENDED

THUMB-TIP REACH, EXTENDED

STATURE	71 .25	73 .25	75 .25	77 .25	79 .25	81 .25	83 .25	85 .25	87 .25	89 .25	91 .25	93 .25	95 .25	97 .25	99 .25	TOTALS
183.25												1				1
181.25											1					1
179.25							1	1	2	3	1	1				9
177.25							1	2	2	3	3	1	2			14
175.25							1	1	4	1	2	3	1			13
173.25							5	10	9	7	13	1	6	2		53
171.25					1	3	7	13	21	9	10	7	7	3	1	82
169.25				2	4	5	17	23	26	17	18	7	2	4		125
167.25					9	13	19	45	40	24	19	11	4	3		187
165.25			2	5	11	27	30	34	38	14	10	8	3	1		183
163.25			3	9	16	37	46	59	28	19	16	6	2			241
161.25		1	3	12	28	56	72	38	28	11	4	5		2		260
159.25		1	7	23	32	36	52	26	21	10	3					211
157.25		3	13	35	34	28	30	26	10	6	4	1				190
155.25	2	9	10	25	35	40	18	9	7	3	1	1				160
153.25		7	9	10	28	20	4	3	4	2	1					88
151.25	1	5	15	9	14	7	6	1	1	1						60
149.25	1	3	1	5	5		1	1								17
147.25		2	3		3											8
145.25		1		1												2
TOTALS	4	32	66	136	220	272	310	292	241	130	106	53	27	15	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-STATURE	162.10	6.00	0.753X	+	98.977	4.75	0.612
X-THUMB-TIP,EXTENDED	83.83	4.88	0.497Y	+	3.268	3.86	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND OVERHEAD REACH

OVERHEAD REACH

STATURE	175.75	178.75	181.75	184.75	187.75	190.75	193.75	196.75	199.75	202.75	205.75	208.75	211.75	214.75	217.75	220.75	223.75	226.75	TOTALS
183.25																		1	1
181.25														1					1
179.25												1		3	3	1	1		9
177.25											1	3	1	4	1	2	2		14
175.25												2	4	1	3	2	1		13
173.25										2	4	7	14	14	8	1	2	1	53
171.25								2		11	16	13	25	11	2	1	1		82
169.25								1	12	15	20	37	22	14	4				125
167.25							1	11	15	33	48	39	33	7					187
165.25						1	6	18	31	55	36	27	8	1					183
163.25				1	3	4	21	50	58	60	21	18	5						241
161.25					6	21	37	59	65	50	15	6	1						260
159.25			2	2	10	33	47	56	31	23	6	1							211
157.25			1	9	23	36	53	42	12	12	1	1							190
155.25			4	19	41	38	34	17	6	1									160
153.25		2	8	28	16	12	16	5	1										88
151.25	1	2	13	19	17	7	1												60
149.25	2	2	3	4	4	2													17
147.25	1	2	2	2	1														8
145.25			1	1															2
TOTALS	4	8	34	85	121	154	216	261	231	262	168	155	113	56	21	7	7	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-STATURE	162.10	6.00	0.598X	+	42.966	3.14	0.852
X-OVERHEAD REACH	199.23	8.56	1.214Y	+	2.432	4.48	

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND NECK CIRCUMFERENCE

NECK CIRCUMFERENCE

STATURE	28.50	29.00	29.50	30.00	30.50	31.00	31.50	32.00	32.50	33.00	33.50	34.00	34.50	35.00	35.50	36.00	36.50	37.00	37.50	38.00	38.50	39.00	39.50	40.00	TOTALS
183.25													1												1
181.25														1											1
179.25							1	1				1		3	1	1		1							9
177.25										1		4	1			1	4	1		2					14
175.25									1	2	1	3	1	2	1			2							13
173.25							1	1		8	6	4	7	5	6	3	4	3	2	3					53
171.25						1	4	4	1	8	7	11	4	14	3	9	7	1	3	3	2				82
169.25						3	4	5	9	15	7	19	20	12	11	8	5	3	2		2				125
167.25			1	1		2	4	14	13	20	19	24	16	27	16	10	5	8		4	2			1	187
165.25				1		7	5	15	9	24	17	21	17	26	14	17	3	2		2	1	2			183
163.25				1	3	6	8	13	22	38	23	36	25	24	16	11	1	4	3	2	1	4			241
161.25				3	7	5	18	24	18	36	20	34	28	24	17	13	7	2	3	1					260
159.25			1	3	2	15	11	23	17	33	21	30	16	17	7	11	1	3							211
157.25			1	2	5	7	11	27	20	21	24	24	16	18	4	4	4	1	1						190
155.25				4	7	10	13	18	25	20	17	15	9	11	4	3	1	2		1					160
153.25	1			1	2	6	10	8	10	12	12	10	6	4	2	2	1					1			88
151.25				1	1	2	4	9	16	9	1	6	3	5	2			1							60
149.25			1	1		2	1		3	3			3	1				1				1			17
147.25				1				3			1		2		1										8
145.25									1		1														2
TOTALS	1	0	4	19	27	66	95	165	165	250	177	242	175	194	105	93	43	35	14	18	8	8	0	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-STATURE	162.10	6.00	1.141X	+	123.595	5.69	0.319
X-NECK CIRCUMFERENCE	33.75	1.68	0.089Y	+	19.322	1.59	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND SHOULDER CIRCUMFERENCE

SHOULDER CIRCUMFERENCE

STATURE	87.25	89.25	91.25	93.25	95.25	97.25	99.25	101.25	103.25	105.25	107.25	109.25	111.25	113.25	115.25	117.25	119.25	121.25	TOTALS
183.25																1			1
181.25						1													1
179.25							1	2	2	1	1	2							9
177.25						2	2	2	4	1	1	1		1					14
175.25						2	1	2	2	3	2	1							13
173.25			1	2	2	4	3	13	7	5	6	6	2	1	1				53
171.25			2	4	4	9	10	8	9	8	12	9	1	2	3	1			82
169.25				3	12	8	21	20	18	14	17	7	1	3	1				125
167.25			1	6	13	19	31	31	31	20	14	10	4	2	2	3			187
165.25			2	4	19	23	30	20	33	21	14	11	4	1			1		183
163.25		1	2	14	26	33	43	31	35	26	11	9	5	2	1		1	1	241
161.25			5	21	25	41	56	50	28	15	9	4	3	1	1		1		260
159.25		2	6	20	29	35	33	32	23	16	4	7	1	1	1	1			211
157.25		1	9	20	30	33	32	26	12	8	11	5	2			1			190
155.25		5	12	16	24	32	21	16	10	11	8	3	1				1		160
153.25	1	1	6	8	20	10	18	12	7	3	1				1				88
151.25	1	2	4	8	12	12	7	5	5	3	1								60
149.25		1	1	3	1	5	2	2		1				1					17
147.25		1				2	2	2			1								8
145.25				1	1														2
TOTALS	2	14	51	130	218	271	313	274	226	156	113	75	24	15	11	7	4	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-STATURE	162.10	6.00	0.390X + 122.942	5.66	0.334
X-SHOULDER CIRCUMFER	100.41	5.14	0.285Y + 54.213	4.84	

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND CHEST CIRCUMFERENCE AT SCYE

CHEST CIRCUMFERENCE AT SCYE

STATURE	71.25	73.25	75.25	77.25	79.25	81.25	83.25	85.25	87.25	89.25	91.25	93.25	95.25	97.25	99.25	101.25	103.25	TOTALS
183.25																1		1
181.25							1											1
179.25						1	2	2	2	1		1						9
177.25							3	3	2	1	2	1	1	1				14
175.25						2	4	2	3	1		1						13
173.25				1	2	4	7	6	10	12	6	2	3					53
171.25			2	2	6	11	12	7	10	8	11	3	4	1	3	2		82
169.25			1	7	6	17	18	23	22	10	11	4	1	2	2	1		125
167.25				6	15	29	30	32	25	18	14	6	5	1	2	3	1	187
165.25		2		6	16	25	32	31	21	25	16	3	4	1			1	183
163.25		2	4	7	29	40	37	42	28	26	8	8	5	2	1	2		241
161.25		1	6	16	27	50	51	41	25	22	10	2	7	1	1			260
159.25		1	7	17	31	31	39	42	18	10	5	5	3		2			211
157.25		4	7	16	34	32	34	27	10	12	8	2	3			1		190
155.25		4	10	17	25	34	20	23	7	11	4	2		3				160
153.25	1		3	11	13	19	19	12	6	2	1				1			88
151.25			3	14	7	7	15	4	3	3	1	2	1					60
149.25		1		2	2	4	6						1	1				17
147.25		1				3	1	2	1									8
145.25				1	1													2
TOTALS	1	16	43	123	214	309	331	299	193	162	97	42	38	13	12	10	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-STATURE	162.10	6.00	0.353X + 132.363	5.74	0.292
X-CHEST CIRC AT SCYE	84.25	4.96	0.241Y + 45.182	4.75	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND BUST CIRCUMFERENCE

BUST CIRCUMFERENCE

STATURE	75 .25	77 .25	79 .25	81 .25	83 .25	85 .25	87 .25	89 .25	91 .25	93 .25	95 .25	97 .25	99 .25	101 .25	103 .25	105 .25	107 .25	109 .25	111 .25	113 .25	TOT ALS
183.25																		1			1
181.25										1											1
179.25							2	1	3	1	1		1								9
177.25						2		3	2	2		1	1	2		1					14
175.25					1	1	4		4	2			1								13
173.25		1		1	2	1	7	11	8	5	7	7	2			1					53
171.25			1	2	7	4	12	12	5	8	7	3	10	2	2	4	1		2		82
169.25			1	1	6	16	15	14	24	14	12	7	6	2	4	3					125
167.25			2	3	10	17	31	30	27	22	14	7	8	5	5	3	2		1		187
165.25			2	4	10	16	25	36	24	23	18	13	5	3	1	2	1				183
163.25		1	5	9	14	29	38	38	34	24	12	13	10	4	3	3	3	1			241
161.25		1	5	8	27	37	46	41	25	24	21	10	9	3	1		2				260
159.25			6	6	25	37	32	36	28	14	9	4	4	5	2	2		1			211
157.25	1	3	6	9	26	23	35	30	28	8	4	7	6	2					1	1	190
155.25	1	1	4	19	21	26	26	16	18	12	6	6		2	1			1			160
153.25		1	6	2	10	17	18	8	14	5	2	3	1						1		88
151.25			1	4	13	13	7	7	6	1	3	2	3								60
149.25			1		2	4	5	1	1	1						2					17
147.25				1	1		2	1	1	1	1										8
145.25						2															2
TOTALS	2	8	40	69	175	245	305	285	252	168	117	83	67	30	19	21	9	4	5	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-STATURE	162.10	6.00	0.270X + 137.877	5.80	0.257
X-BUST CIRCUMFERENCE	89.73	5.70	0.244Y + 50.173	5.51	

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND CHEST CIRCUMFERENCE BELOW BUST

CHEST CIRCUMFERENCE BELOW BUST

STATURE	61 .25	63 .25	65 .25	67 .25	69 .25	71 .25	73 .25	75 .25	77 .25	79 .25	81 .25	83 .25	85 .25	87 .25	89 .25	91 .25	93 .25	95 .25	97 .25	TOT ALS
183.25														1						1
181.25							1													1
179.25						1	2	1	2	2		1								9
177.25						1	2	2	4	2		1		1	1					14
175.25					1	2	1	4	2	1	2									13
173.25				1	2	3	6	13	12	6	3	5	1	1						53
171.25				2	6	7	11	11	10	11	9	9	2	2	1	1				82
169.25			2	4	9	16	18	19	28	13	6	2	5	1	2					125
167.25			1	6	14	19	48	28	28	14	9	8	4	3	3	1	1			187
165.25			2	7	13	31	33	23	27	24	11	3	6		2	1				183
163.25		1	5	13	24	36	44	40	31	20	11	5	6	2	1	1	1			241
161.25		1	1	17	32	51	52	42	21	21	11	6	3	1				1		260
159.25		3	4	20	20	39	45	30	19	14	8	2	3	3	1					211
157.25	1		7	18	25	31	40	27	19	11	3		6	1					1	190
155.25		2	9	14	23	36	18	21	16	11	5	3	1			1				160
153.25			4	8	20	17	18	8	11	1							1			88
151.25		1	3	7	14	12	6	9	2	4	1	1								60
149.25		1		3	4	5		2				2								17
147.25			1	1	1	1	3			1										8
145.25				1		1														2
TOTALS	1	9	39	122	208	309	348	280	232	156	79	48	37	16	11	5	3	1	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-STATURE	162.10	6.00	0.355X + 135.718	5.75	0.288
X-CHEST C BELOW BUST	74.33	4.87	0.234Y + 36.394	4.66	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND WAIST CIRCUMFERENCE

WAIST CIRCUMFERENCE

STATURE	53 .25	55 .25	57 .25	59 .25	61 .25	63 .25	65 .25	67 .25	69 .25	71 .25	73 .25	75 .25	77 .25	79 .25	81 .25	83 .25	85 .25	87 .25	89 .25	91 .25	93 .25	95 .25	TOT ALS
183.25														1									1
181.25						1																	1
179.25					2		1	2	2	1	1												9
177.25					1		2		6		2			1		2							14
175.25						2	2	2	5		1		1										13
173.25				1	2	3	11	6	13	5	4	4	2	1		1							53
171.25			1	2	5	7	11	10	13	9	5	4	3	4	3		1	3		1			82
169.25			1	2	7	12	17	25	18	14	8	9	5	5		1		1					125
167.25				4	12	15	35	34	30	17	18	7	5	2	2	3	2		1				187
165.25				3	16	23	23	33	28	22	14	11	6	1	1	1		1					183
163.25		1	2	11	20	29	37	35	34	25	13	14	7	6	5			1		1			241
161.25			6	17	28	44	33	47	31	26	6	12	1	3	4		2						260
159.25			3	12	30	32	34	33	28	16	11	6	1	2	1		2						211
157.25		2	3	17	18	32	34	26	27	9	8	8	2	1	1	1	1						190
155.25			6	16	24	34	25	14	17	6	4	8	3	2		1							160
153.25	1		3	7	21	19	12	11	6	3	3	1										1	88
151.25			2	10	19	9	4	6	3	2	3	1				1							60
149.25			1	2	1	3	4	3	1				1		1								17
147.25			1		3		2	1		1													8
145.25					1	1																	2
TOTALS	1	3	29	104	210	266	287	288	262	156	101	85	37	29	18	11	8	6	1	2	0	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-STATURE	162.10	6.00	0.305X	+	141.606	5.77	0.279
X-WAIST CIRCUMFERNCE	67.20	5.48	0.254Y	+	26.029	5.26	

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND ABDOMINAL EXTENSION CIRCUMFERENCE

ABDOMINAL EXTENSION CIRCUMFERENCE

STATURE	65 .50	68 .00	70 .50	73 .00	75 .50	78 .00	80 .50	83 .00	85 .50	88 .00	90 .50	93 .00	95 .50	98 .00	100 .50	103 .00	105 .50	108 .00	110 .50	113 .00	115 .50	118 .00	TOT ALS
183.25													1										1
181.25						1																	1
179.25							2	1		3	3												9
177.25						2	1		3	1	3	1			1	2							14
175.25								3	3	4	2			1									13
173.25				1	1	3	7	3	10	9	6	6	3	3		1							53
171.25					6	2	5	9	13	8	16	4	5	1	3	3	2	3	1		1		82
169.25			1	1	7	6	13	20	13	21	12	10	6	7	4	1	1		2				125
167.25			1		6	13	16	28	30	27	17	21	8	7	6	3	1	2		1			187
165.25				6	7	14	14	29	29	19	24	12	12	11	3	1			1			1	183
163.25			1	3	6	20	29	37	32	33	31	18	9	6	6	4	3			2	1		241
161.25		2		8	14	29	39	40	36	35	21	17	10	4	1	1		1	2				260
159.25			1	12	7	18	25	34	36	29	20	12	9	2	1	3	1	1					211
157.25			2	3	15	19	39	25	30	15	19	10	4	3	3	2		1					190
155.25			5	7	9	24	23	27	15	19	9	11	7	1	2	1							160
153.25	1		2	6	6	12	18	17	8	5	6	4	1		1					1			88
151.25			4	6	9	9	7	7	4	4	3	2	2	2		1							60
149.25				1	3	1	3	2	4			1		1		1							17
147.25		1			1		3		2			1											8
145.25					1		1																2
TOTALS	1	3	17	54	98	173	245	282	268	232	192	130	77	49	31	24	8	8	6	4	2	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-STATURE	162.10	6.00	0.202X	+	144.803	5.82	0.245
X-ABDOMINAL EXT CIRC	85.64	7.28	0.297Y	+	37.500	7.06	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND HIP CIRCUMFERENCE-SEVEN INCHES BELOW WAIST LEVEL

HIP CIRCUMFERENCE-SEVEN INCHES BELOW WAIST LEVEL

STATURE	77.25	79.25	81.25	83.25	85.25	87.25	89.25	91.25	93.25	95.25	97.25	99.25	101.25	103.25	105.25	107.25	109.25	111.25	113.25	115.25	117.25	TOTALS
183.25														1								1
181.25									1													1
179.25							1	2	1	1	3	1										9
177.25							1	3		2		2	2	2		1	1					14
175.25							1		5	3	1	1	1			1						13
173.25					1	2	3	2	10	7	8	9	7	4								53
171.25					1	2	5	8	11	14	11	8	6	4	5	3		2	1	1		82
169.25					1	7	10	16	13	14	29	13	9	7	1	2	1		2			125
167.25			1	2	5	7	10	18	33	37	26	17	15	6	4	1	3	1	1			187
165.25					1	10	15	29	31	26	25	23	9	8	3		1			1	1	183
163.25				5	7	19	17	34	42	44	23	13	15	10	3	2	3	1	2	1		241
161.25			3	5	6	20	42	51	45	36	28	9	6	5	1		1		1	1		260
159.25				6	13	14	37	37	32	25	20	12	6	2	2	1	3	1				211
157.25		1	2	4	12	24	31	35	24	22	11	15	3	2	1	3						190
155.25		1	6	5	19	18	27	25	19	13	10	10	2	1	3	1						160
153.25	1		2	7	6	20	13	10	11	11	3	2		1			1					88
151.25			4	6	11	8	12	5	3	4	2	3	2									60
149.25		1		1		4	3	2	2	1			1	2								17
147.25			1			1		4	1		1											8
145.25				1		1																2
TOTALS	1	3	19	42	83	157	228	281	284	260	201	138	84	55	23	15	14	5	7	4	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-STATURE	162.10	6.00	0.381X	+ 126.428	5.61	0.355
X-HIP C-7" BLW WAIST	93.64	5.59	0.330Y	+ 40.142	5.22	

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND HIP CIRCUMFERENCE-NINE INCHES BELOW WAIST LEVEL

HIP CIRCUMFERENCE-NINE INCHES BELOW WAIST LEVEL

STATURE	77.25	79.25	81.25	83.25	85.25	87.25	89.25	91.25	93.25	95.25	97.25	99.25	101.25	103.25	105.25	107.25	109.25	111.25	113.25	115.25	117.25	119.25	TOTALS
183.25															1								1
181.25									1														1
179.25								1	2		4	1	1										9
177.25								2	1	1		1	5	1	1		1	1					14
175.25								1		4	2	2	1		1		2						13
173.25			1			1	1	2	7	7	12	5	5	5	4	1	2						53
171.25					1	2		9	10	10	9	12	5	11	5	2	1	2	2	1			82
169.25				1		2	12	8	11	9	17	30	13	10	4	4	1	1	2				125
167.25				2	3	3	11	14	19	22	33	21	17	19	13	4	1	2	2			1	187
165.25					1	3	11	17	28	33	16	33	15	12	5	6	1				2		183
163.25			2	2	2	10	18	28	27	37	34	28	21	10	9	4	2	2	2	1		2	241
161.25	1		2	2	6	14	29	32	48	40	40	18	11	7	2	3	3		1	1			260
159.25		1		2	6	17	19	31	34	31	24	23	7	6	3	3		3	1				211
157.25	1	1	2	1	8	13	28	31	28	26	17	15	9	4	1	2	2	1					190
155.25			4	7	12	22	19	18	18	21	13	13	7	2	1	1	2						160
153.25		1	1	5	6	12	8	17	14	8	8	3	2	2	1								88
151.25			3	5	5	7	7	10	6	6	5	2	4										60
149.25	1				1	2	3	3	1	2		1	1	2									17
147.25				1		1			2	2	1	1											8
145.25					1	1																	2
TOTALS	3	3	15	28	52	110	166	224	257	259	235	209	124	91	51	30	18	12	10	3	2	3	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-STATURE	162.10	6.00	0.359X	+ 127.901	5.60	0.360
X-HIP C-9" BLW WAIST	95.27	6.02	0.361Y	+ 36.753	5.61	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND UPPER THIGH CIRCUMFERENCE

UPPER THIGH CIRCUMFERENCE

STATURE	43 .25	45 .25	47 .25	49 .25	51 .25	53 .25	55 .25	57 .25	59 .25	61 .25	63 .25	65 .25	67 .25	69 .25	71 .25	TOT ALS
183.25										1						1
181.25						1										1
179.25				1		2	3	2	1							9
177.25		1			1		2	4	1	1	2	1		1		14
175.25					2	1	2	4	2		1		1			13
173.25		1	1		5	7	8	8	13	6	2	2				53
171.25			1	3	4	9	18	15	13	10	4	1	2	1	1	82
169.25			1	7	13	15	15	26	28	10	7	1	1		1	125
167.25		2	2	12	13	21	34	40	25	22	7	7	2			187
165.25			2	3	18	28	43	33	29	16	8	1	1		1	183
163.25			6	12	24	43	45	39	39	14	8	5	2	3	1	241
161.25	1	2	7	8	39	61	60	41	20	12	4	3	1	1		260
159.25		1	4	19	25	45	46	34	21	9	3	3	1			211
157.25	2	2	6	11	38	38	37	23	18	9	4	1		1		190
155.25		4	11	20	23	27	28	21	14	9	1	2				160
153.25	1	1	3	13	11	22	17	10	6	1	3					88
151.25			3	10	12	12	10	5	7	1						60
149.25		1	1	1	1	4	5	2	2							17
147.25				2		2	2		1		1					8
145.25			1		1											2
TOTALS	4	15	49	122	230	338	375	307	240	121	55	27	11	7	4	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-STATURE	162.10	6.00	0.378X	+	141.134	5.79	0.266
X-UPPER THIGH CIRCUM	55.48	4.22	0.187Y	+	25.162	4.07	

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND KNEE CIRCUMFERENCE

KNEE CIRCUMFERENCE

STATURE	30 .75	31 .75	32 .75	33 .75	34 .75	35 .75	36 .75	37 .75	38 .75	39 .75	40 .75	41 .75	42 .75	43 .75	44 .75	45 .75	TOT ALS
183.25										1							1
181.25									1								1
179.25				1	2		1	3	1	1							9
177.25				1		2	3	1	3	2	1	1					14
175.25						3	4	1	1	1	2	1					13
173.25			1	1	5	8	10	7	6	9	3	3					53
171.25				4	4	9	18	18	12	7	5	3	1			1	82
169.25		1	2	3	13	20	20	29	20	10	2	5					125
167.25		1	3	12	15	27	37	38	27	10	10	5	1			1	187
165.25		1	3	16	27	28	45	23	20	10	7	1		2			183
163.25		5	7	16	34	41	45	31	26	19	7	5	3	2			241
161.25	1	4	17	44	44	44	51	29	9	9	5		2		1		260
159.25	1	3	7	28	43	49	33	24	12	5	1	2	1		2		211
157.25	1	5	18	23	43	29	33	22	12	1		3					190
155.25	1	6	20	33	29	34	16	8	9	3	1						160
153.25	1	6	13	13	21	16	5	5	6	1	1						88
151.25	3	6	9	8	12	11	5	3	1	1	1						60
149.25		1	1	4	5	3	2	1									17
147.25				1	4		2	1									8
145.25			2														2
TOTALS	8	39	103	208	301	324	330	244	166	90	46	29	8	4	3	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-STATURE	162.10	6.00	1.024X	+	124.931	5.54	0.386
X-KNEE CIRCUMFERENCE	36.30	2.27	0.146Y	+	12.634	2.09	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND CALF CIRCUMFERENCE, RIGHT

CALF CIRCUMFERENCE, RIGHT

STATURE	26 .75	27 .75	28 .75	29 .75	30 .75	31 .75	32 .75	33 .75	34 .75	35 .75	36 .75	37 .75	38 .75	39 .75	40 .75	41 .75	42 .75	43 .75	44 .75	TOT ALS
183.25										1										1
181.25										1										1
179.25					2	1		1	3	1	1									9
177.25						1	3	2		4	2	1	1							14
175.25						1	1	1	3	2	3	1	1							13
173.25				2		1	6	5	8	17	3	7	3	1						53
171.25				1	2	5	9	13	16	14	9	7	3	2					1	82
169.25		1			5	10	14	26	12	20	16	13	7		1					125
167.25	1				9	14	20	33	33	27	25	14	6	2	3					187
165.25				3	7	13	20	35	33	29	24	11	5		2	1				183
163.25			1	2	14	24	35	34	38	27	33	16	7	6	3	1				241
161.25		1		8	12	38	47	51	38	30	21	9	3	1				1		260
159.25			4	7	5	26	37	49	41	19	14	5	2	2						211
157.25		1	1	8	15	24	31	39	30	21	15	4			1					190
155.25			2	7	22	29	31	25	19	11	8	5	1							160
153.25		1	2	5	10	9	22	19	11	6	2			1						88
151.25			1	2	9	16	5	15	4	2	5	1								60
149.25			1		2	4	2	4	3		1									17
147.25						1		4	1	1	1									8
145.25							2													2
TOTALS	1	4	12	45	114	217	285	356	293	233	183	94	39	15	10	2	0	1	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-STATURE	162.10	6.00	0.790X + 135.130	5.74	0.296
X-CALF CIRCUM, RIGHT	34.14	2.25	0.111Y + 16.150	2.15	

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND VERTICAL TRUNK CIRCUMFERENCE

VERTICAL TRUNK CIRCUMFERENCE

STATURE	135 .25	137 .25	139 .25	141 .25	143 .25	145 .25	147 .25	149 .25	151 .25	153 .25	155 .25	157 .25	159 .25	161 .25	163 .25	165 .25	167 .25	169 .25	171 .25	173 .25	175 .25	177 .25	TOT ALS
183.25																				1			1
181.25													1										1
179.25											1	2	1	1	1		1	1	1				9
177.25											1	1		1	3	2	2			2	2		14
175.25										1	1	1		3	3	3			1				13
173.25								1	1		4	7	9	9	9	7	3	2	1				53
171.25								1	2	1	9	9	15	11	12	10	3	3	2	2	1	1	82
169.25						1	2	4	8	9	7	17	19	14	18	10	6	2	4	3	1		125
167.25				1			3	5	9	28	23	31	25	23	14	11	5	3	5	1			187
165.25						2	4	11	15	23	32	33	25	13	14	6	1	2	1			1	183
163.25					2	6	18	22	27	24	42	32	23	14	15	6	2	3	2	3			241
161.25		1	1	3	10	12	14	30	46	34	27	27	23	14	10	3		2	2	1			260
159.25				5	5	10	28	28	33	29	29	18	13	3	6	3				1			211
157.25	1		2	2	8	16	21	41	31	32	16	8	3	4	1	2	1	1					190
155.25	1		3	10	16	16	28	20	19	21	6	8	7	3	1	1							160
153.25		1	3	3	10	18	18	13	5	6	6	3			1		1						88
151.25		1	2	5	12	13	11	4	1	3	3	3	1	1									60
149.25		1	4	2	1	2	3	2			1		1										17
147.25				1	1	2	2			2													8
145.25						1		1															2
TOTALS	2	4	15	32	65	99	152	183	197	213	208	200	166	114	108	64	25	19	19	14	4	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-STATURE	162.10	6.00	0.541X + 78.559	4.72	0.619
X-VERTICAL TRUNK CIR	154.43	6.87	0.708Y + 39.657	5.40	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND VERTICAL TRUNK CIRCUMFERENCE, SITTING

VERTICAL TRUNK CIRCUMFERENCE, SITTING

STATURE	133 .25	135 .25	137 .25	139 .25	141 .25	143 .25	145 .25	147 .25	149 .25	151 .25	153 .25	155 .25	157 .25	159 .25	161 .25	163 .25	165 .25	167 .25	169 .25	171 .25	TOT ALS
183.25																			1		1
181.25												1									1
179.25											1	1	2	2	1		1		1		9
177.25												1	3	4	2	1		1	1	1	14
175.25									1		1	3	2	1	2	2				1	13
173.25						1			1	2	6	11	10	8	8	4	1		1		53
171.25						1	1		1	5	15	13	18	12	6	5	3	1	1		82
169.25						3	2	5	10	10	17	23	17	13	9	8	4	2	2		125
167.25			1		1	2	2	11	23	25	36	27	25	16	6	5	4	2	1		187
165.25					1	5	8	14	29	34	33	24	17	12	3	1	1		1		183
163.25			1	2	4	12	25	29	35	48	32	19	16	7	9	2					241
161.25		2	2	5	13	27	26	37	46	29	35	16	9	7	2		2	1	1		260
159.25			2	4	10	26	34	36	34	26	23	10	2	3		1					211
157.25	2	1	3	5	16	34	31	35	28	22	6	3		2	2						190
155.25	1	2	11	19	22	22	28	13	16	16	6	2				2					160
153.25	2	4	3	13	22	14	9	4	10	4	1	2									88
151.25		1	12	12	6	14	7	1	2	4	1										60
149.25	2	1	4	3	4	1			1			1									17
147.25				4	1	1	1	1													8
145.25			1		1																2
TOTALS	7	11	40	67	101	163	174	186	237	225	213	157	121	87	50	31	16	7	10	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-STATURE	162.10	6.00	0.622X	+	68.762	4.41	0.679
X-VERTICAL TRK C,SIT	150.07	6.56	0.741Y	+	29.947	4.81	

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND BUTTOCK CIRCUMFERENCE, SITTING

BUTTOCK CIRCUMFERENCE, SITTING

STATURE	85 .25	87 .25	89 .25	91 .25	93 .25	95 .25	97 .25	99 .25	101 .25	103 .25	105 .25	107 .25	109 .25	111 .25	113 .25	115 .25	117 .25	119 .25	121 .25	123 .25	125 .25	127 .25	129 .25	TOT ALS
183.25													1											1
181.25									1															1
179.25							3	2		4														9
177.25						1		2	1	2	1	3	1		2		1							14
175.25							1	3	1	1	3		4											13
173.25				1	1	2	5	7	9	7	6	2	8	3	1	1								53
171.25				1	1	8	7	8	11	10	12	6	3	5	3	1	3	2	1					82
169.25					7	11	8	15	16	24	15	11	8	3	3		1	2		1				125
167.25		1	2	2	7	13	18	27	25	27	17	21	9	9	3	3	1	1			1			187
165.25				1	8	16	20	40	21	32	17	13	6	3	3	1				1			1	183
163.25			6	6	12	26	32	39	35	26	20	12	11	6	2	1	2	2	2	1				241
161.25	1	3	6	11	18	41	35	46	42	19	15	13	1	4		2	2			1				260
159.25		2	5	14	19	22	42	39	21	15	15	6	3	1	2	3	1	1						211
157.25		3	6	14	19	32	35	30	12	13	14	2	5	1	2	1	1							190
155.25	5	3	7	20	20	21	23	17	12	14	5	9	1	2		1								160
153.25		3	7	8	15	12	15	11	9	4	1	1	1					1						88
151.25	1	2	6	11	7	11	4	6	6	4	1	1												60
149.25	1	1			4	4	1	2	1			2		1										17
147.25		1	1		1	3		1	1															8
145.25				2																				2
TOTALS	8	19	46	91	139	223	249	295	224	202	142	102	62	38	21	14	12	9	3	4	1	0	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-STATURE	162.10	6.00	0.375X	+	124.604	5.55	0.380
X-BUTTOCK CIRC, SIT	100.00	6.09	0.386Y	+	37.425	5.63	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND SCYE CIRCUMFERENCE

SCYE CIRCUMFERENCE

STATURE	28 .75	29 .75	30 .75	31 .75	32 .75	33 .75	34 .75	35 .75	36 .75	37 .75	38 .75	39 .75	40 .75	41 .75	42 .75	43 .75	44 .75	45 .75	46 .75	47 .75	48 .75	TOT ALS
183.25															1							1
181.25									1													1
179.25								1	1	2	2	1	2									9
177.25						1		2	1		3	3	1	2				1				14
175.25							1	2	3	2	3	1	1									13
173.25						1		4	7	12	12	6	7	3	1							53
171.25						1	5	11	10	10	17	10	6	8	2	1			1			82
169.25					1	1	8	15	20	24	26	15	8	6	1							125
167.25					3	2	12	27	29	35	33	22	7	11	4			1			1	187
165.25				2		6	18	24	23	45	30	17	13	1	2		1	1				183
163.25				1	1	10	34	32	42	53	23	20	11	7	4	3						241
161.25				1	7	16	38	40	60	41	28	14	6	4	2	3						260
159.25				3	3	17	29	44	37	33	25	9	5	2	3	1						211
157.25					5	20	38	35	31	29	14	10	4	2	2							190
155.25				7	8	21	20	38	27	18	10	3	5	2	1							160
153.25	1			2	4	14	11	27	11	8	7	2		1								88
151.25			1	3	1	15	12	7	8	7	3	3										60
149.25				1	2	1	2	7	1		1	1	1									17
147.25					1		1	2	3	1												8
145.25								1			1											2
TOTALS	1	0	1	20	36	126	229	319	315	320	238	137	77	49	23	8	1	3	1	0	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-STATURE	162.10	6.00	0.956X + 126.638	5.59	0.365
X-SCYE CIRCUMFERENCE	37.10	2.29	0.139Y + 14.565	2.13	

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND AXILLARY ARM CIRCUMFERENCE

AXILLARY ARM CIRCUMFERENCE

STATURE	20 .75	21 .75	22 .75	23 .75	24 .75	25 .75	26 .75	27 .75	28 .75	29 .75	30 .75	31 .75	32 .75	33 .75	34 .75	35 .75	36 .75	37 .75	38 .75	TOT ALS
183.25												1								1
181.25							1													1
179.25				1		2	1	2	1	2										9
177.25				1	1		2	3	3	2			1		1					14
175.25						4	3	3	2			1								13
173.25	1		2	1	3	6	7	12	8	7	2	3	1							53
171.25	1			3	5	12	14	12	9	8	9	2	3	2			1		1	82
169.25				5	10	17	14	20	26	14	11	5	2			1				125
167.25			3	9	10	28	25	41	26	20	8	7	6	3			1			187
165.25		1		6	16	31	28	27	27	24	12	8		2		1				183
163.25		1	4	11	27	23	45	40	29	27	14	10	5	1	3		1			241
161.25			4	17	31	36	54	36	38	25	10	1	6	2						260
159.25		1	5	14	23	30	35	36	33	16	7	7	3				1			211
157.25		1	2	9	26	32	43	26	22	17	5	1	6							190
155.25		1	5	15	28	19	22	27	20	10	7	3	3							160
153.25	1	2		7	10	12	25	10	10	6	2	3								88
151.25			5	4	10	9	7	13	4	5	1	1	1							60
149.25			1	1	2	1	4	5		1	1			1						17
147.25				1	1		1	2	2		1									8
145.25						1	1													2
TOTALS	3	7	31	105	203	263	332	315	260	184	90	53	37	11	4	2	4	0	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-STATURE	162.10	6.00	0.421X + 150.552	5.92	0.164
X-AXILLARY ARM CIRC	27.44	2.34	0.064Y + 17.064	2.31	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND BICEPS CIRCUMFERENCE, RELAXED, RIGHT

BICEPS CIRCUMFERENCE, RELAXED, RIGHT

STATURE	19 .75	20 .75	21 .75	22 .75	23 .75	24 .75	25 .75	26 .75	27 .75	28 .75	29 .75	30 .75	31 .75	32 .75	33 .75	34 .75	35 .75	36 .75	37 .75	TOT ALS
183.25										1										1
181.25						1														1
179.25				1	1	1	3	1	2											9
177.25			2		1	2	2	3	1	2		1								14
175.25				1	4	3	3	1			1									13
173.25		1	1	4	6	7	11	11	5	3	1	2	1							53
171.25		1	2	5	13	8	12	12	14	6	5	2			1		1			82
169.25		1	2	8	21	21	18	23	13	8	4	4	1		1					125
167.25		1	7	12	27	20	42	27	22	10	9	7		1	2					187
165.25		1	2	12	26	34	31	39	18	11	4	3	2							183
163.25		3	9	20	31	31	44	32	33	14	9	8	3	2		1			1	241
161.25	1	2	14	22	40	61	43	36	18	11	5	4		2			1			260
159.25		3	10	19	34	41	40	29	18	7	4	5				1				211
157.25		2	7	24	34	34	32	25	13	12	4	1		1		1				190
155.25	1	2	14	20	26	26	27	19	11	5	7	1	1							160
153.25	2		4	10	13	26	11	9	4	5	3	1								88
151.25		2	2	13	8	12	8	8	1	3	1	1		1						60
149.25			1	2	3	3	4	2	1				1							17
147.25					1	1	1	3	1		1									8
145.25				1	1															2
TOTALS	4	19	77	174	290	332	332	280	175	98	58	40	9	7	4	3	2	0	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-STATURE	162.10	6.00	0.369X + 152.653	5.94	0.141
X-BICEPS C,RELAXED,R	25.61	2.29	0.054Y + 16.858	2.27	

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND BICEPS CIRCUMFERENCE, FLEXED, RIGHT

BICEPS CIRCUMFERENCE, FLEXED, RIGHT

STATURE	20 .75	21 .75	22 .75	23 .75	24 .75	25 .75	26 .75	27 .75	28 .75	29 .75	30 .75	31 .75	32 .75	33 .75	34 .75	35 .75	36 .75	37 .75	38 .75	TOT ALS
183.25										1										1
181.25						1														1
179.25				1	1		4	1	1	1										9
177.25			1	1	2		3	2	2	1	1	1								14
175.25				1	1	5	3	1	1		1									13
173.25			1	4	5	7	9	12	6	3	3	1	1	1						53
171.25		1	2	5	9	8	13	16	9	9	6	1	1		1		1			82
169.25		1		7	13	20	20	30	13	8	8	2	2		1					125
167.25		1	4	18	21	22	32	41	14	17	10	2	1	3		1				187
165.25		1	1	11	23	34	33	34	20	13	7	4	2							183
163.25		4	5	15	35	32	39	32	32	20	12	10	1	1		1	1		1	241
161.25		2	10	23	37	60	46	37	21	12	5	4		2			1			260
159.25	1	2	9	17	33	38	47	25	14	11	10	2	1				1			211
157.25		1	8	21	31	35	29	35	7	12	8		1	1	1					190
155.25	1	1	13	21	20	31	23	22	10	8	6	2	2							160
153.25	1	1	4	10	10	25	15	8	4	4	4	2								88
151.25	1	1	1	13	8	9	12	7	2	3	2			1						60
149.25			1	2	2	4	4	2		1		1								17
147.25				1			2	4		1										8
145.25					2															2
TOTALS	4	16	60	171	253	331	334	309	156	125	83	32	12	9	3	2	4	0	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-STATURE	162.10	6.00	0.422X + 150.796	5.92	0.163
X-BICEPS C,FLEXED, R	26.79	2.32	0.063Y + 16.582	2.28	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND ELBOW CIRCUMFERENCE, FLEXED

ELBOW CIRCUMFERENCE, FLEXED

STATURE	21 .75	22 .75	23 .75	24 .75	25 .75	26 .75	27 .75	28 .75	29 .75	30 .75	31 .75	32 .75	33 .75	34 .75	35 .75	TOT ALS
183.25								1								1
181.25						1										1
179.25						1	2	1	4	1						9
177.25						3	2	3	3	2	1					14
175.25				1	1	2	4	3	1	1						13
173.25				1	7	7	15	5	10	5	2	1				53
171.25				2	9	10	20	20	14	5	1	1				82
169.25				5	11	33	35	21	12	6	2					125
167.25		1	3	12	17	38	49	40	17	6	4					187
165.25			3	16	32	35	43	30	17	6	1					183
163.25			5	15	48	53	53	40	16	5	4		1		1	241
161.25		2	8	33	60	69	43	26	15	1	3					260
159.25		4	11	32	49	58	28	21	5	2	1					211
157.25	1	2	13	31	46	52	23	15	6	1						190
155.25		6	11	30	41	39	15	12	4	2						160
153.25	2	5	11	17	16	18	12	6	1							88
151.25	1	5	5	13	15	9	6	4		1	1					60
149.25		1	3	5	3	3	1	1								17
147.25			1	1	4	2										8
145.25				1		1										2
TOTALS	4	26	74	215	359	434	351	249	125	44	20	2	1	0	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-STATURE	162.10	6.00	1.385X + 124.741	5.47	0.411
X-ELBOW CIRC, FLEXED	26.98	1.78	0.122Y + 7.200	1.62	

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND FOREARM CIRCUMFERENCE, RELAXED

FOREARM CIRCUMFERENCE, RELAXED

STATURE	19 .50	20 .00	20 .50	21 .00	21 .50	22 .00	22 .50	23 .00	23 .50	24 .00	24 .50	25 .00	25 .50	26 .00	26 .50	27 .00	27 .50	28 .00	28 .50	29 .00	29 .50	30 .00	TOT ALS
183.25														1									1
181.25								1															1
179.25						1	1		1	3	1	1	1										9
177.25				1		1		3	1	1	3	1		1		1		1					14
175.25								4	1	3	2	2		1									13
173.25				1	1	2	8	2	10	4	8	7	4	1	3	2							53
171.25			1	1	4	3	5	7	6	14	12	7	10	8	2				1	1			82
169.25			1		1	7	8	16	21	13	20	21	10	4	2				1				125
167.25		1		1	6	17	15	18	30	29	31	14	14	4	4	3							187
165.25			1	2	5	16	15	19	32	30	33	11	11	1	4	2		1					183
163.25			2	8	12	16	24	40	27	37	25	19	15	6	5	1	2				1	1	241
161.25			3	5	20	21	34	48	38	36	22	14	10	6		1	1		1				260
159.25			3	3	15	18	35	39	32	25	23	7	6	2	1		1				1		211
157.25		3	2	5	13	20	30	33	36	15	14	8	7	2	1	1							190
155.25		1	2	12	15	27	21	18	25	15	10	8	5	1									160
153.25	1	1	3	5	7	15	17	7	15	9	4	2	1		1								88
151.25		1	2	7	10	7	7	7	10	1	3		4		1								60
149.25				1	1	4	2	1	3	2	2	1											17
147.25							2		4	1	1												8
145.25					1	1																	2
TOTALS	1	7	20	52	111	176	224	263	292	238	214	123	98	38	24	11	4	2	3	1	2	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-STATURE	162.10	6.00	1.345X + 130.528	5.71	0.309
X-FOREARM C, RELAXED	23.48	1.38	0.071Y + 11.967	1.31	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND FOREARM CIRCUMFERENCE, FLEXED

FOREARM CIRCUMFERENCE, FLEXED

STATURE	20 .75	21 .75	22 .75	23 .75	24 .75	25 .75	26 .75	27 .75	28 .75	29 .75	30 .75	31 .75	32 .75	TOT ALS
183.25								1						1
181.25					1									1
179.25				1	2	3	2	1						9
177.25			1	1	4	3	3		1	1				14
175.25					3	7	2	1						13
173.25		1	2	6	8	17	11	5	2	1				53
171.25			7	8	15	20	15	12	3		2			82
169.25		1	2	21	26	39	29	6			1			125
167.25		4	11	24	44	46	42	13	3					187
165.25	1		10	34	42	61	23	8	3	1				183
163.25		4	20	44	59	57	32	18	3	2	1		1	241
161.25		5	23	65	83	41	34	6	2		1			260
159.25		5	27	52	59	40	19	4	3	2				211
157.25	2	5	24	46	64	24	18	6	1					190
155.25		12	25	44	37	27	11	2	2					160
153.25	2	4	17	28	21	10	4	2						88
151.25	1	6	8	19	16	5	2	2	1					60
149.25		1	3	6	4	1	2							17
147.25				1	5	2								8
145.25				2										2
TOTALS	6	48	180	402	493	403	249	87	24	7	5	0	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-STATURE	162.10	6.00	1.213X + 131.809	5.71	0.307
X-FOREARM C, FLEXED	24.98	1.52	0.078Y + 12.331	1.45	

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND BIACROMIAL BREADTH

BIACROMIAL BREADTH

STATURE	31 .00	31 .50	32 .00	32 .50	33 .00	33 .50	34 .00	34 .50	35 .00	35 .50	36 .00	36 .50	37 .00	37 .50	38 .00	38 .50	39 .00	39 .50	40 .00	40 .50	41 .00	41 .50	TOT ALS
183.25																				1			1
181.25											1												1
179.25					1		1					1	1			4			1				9
177.25									2	1		1	1	3	1	3		1				1	14
175.25											2	2	1		1	3	2	1				1	13
173.25						3		5	1	4	4	8	6	6	5	1	4	4	1	1			53
171.25				1	3	3	3	2	5	5	9	8	11	6	8	7	1	3	4	2	1		82
169.25		1	1				6	11	3	8	10	20	23	21	7	4	8	2					125
167.25	1			1		4	2	5	22	24	19	24	22	21	14	15	9	3	1				187
165.25					1	3	7	7	18	26	26	29	20	17	10	10	4	3		1	1		183
163.25		1	2	1	2	10	10	11	27	28	43	38	32	13	13	4	3	1	1		1		241
161.25		1		4	2	13	11	24	31	43	39	25	26	20	10	3	5	2			1		260
159.25	1	1	1	7	3	5	31	23	27	22	31	26	11	11	7	2	2						211
157.25		3		2	6	15	17	26	26	23	30	24	4	8	4	1			1				190
155.25	1	3	3	5	13	11	17	17	28	21	16	11	8	2	2	2							160
153.25	1		1	1	7	8	15	12	13	10	10	4	4	1		1							88
151.25	1	1	2	4	4	7	9	11	7	4	4	4	2										60
149.25				1	2	2	1	5	1	2		3											17
147.25				1	1		3	1	1	1													8
145.25							1			1													2
TOTALS	5	11	10	28	45	84	134	160	212	223	244	228	172	129	82	60	38	20	9	5	4	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-STATURE	162.10	6.00	1.671X + 102.209	5.34	0.456
X-BIACROMIAL BREADTH	35.84	1.64	0.125Y + 15.580	1.46	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND BIDELTOID BREADTH

BIDELTOID BREADTH

STATURE	34 .75	35 .75	36 .75	37 .75	38 .75	39 .75	40 .75	41 .75	42 .75	43 .75	44 .75	45 .75	46 .75	47 .75	48 .75	49 .75	TOTALS
183.25														1			1
181.25								1									1
179.25						1	1	1	2	1	3						9
177.25						2	2	2	2	3	1	1				1	14
175.25							3	3		1	4	2					13
173.25			2	1	2	1	3	8	12	10	4	8	1	1			53
171.25				3	5	2	11	8	16	12	9	6	6	3	1		82
169.25				2	5	7	21	20	20	22	12	10	4	2			125
167.25		2		1	3	18	25	36	36	26	17	12	5	5	1		187
165.25			1	2	6	20	29	32	29	27	16	14	5	1	1		183
163.25		2	2	4	13	30	40	38	43	30	18	14	3		2	2	241
161.25		1	2	9	15	32	57	56	40	22	12	5	5	2	1	1	260
159.25			2	11	17	27	43	47	24	21	10	3	4		2		211
157.25		1	3	7	18	29	41	35	22	14	13	4	1	1	1		190
155.25	1		6	9	22	30	21	28	19	11	8	4			1		160
153.25		1	3	5	11	12	19	14	12	7	1	2				1	88
151.25			5	5	3	13	15	7	9	1	1	1					60
149.25			3	1	1	3	2	4	1				2				17
147.25		1				1	1	4			1						8
145.25					1	1											2
TOTALS	1	8	29	60	122	229	334	344	287	208	130	86	36	16	10	5	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-STATURE	162.10	6.00	0.783X	+	129.316	5.72	0.302
X-BIDELTOID BREADTH	41.87	2.31	0.116Y	+	23.870	2.21	

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND CHEST BREADTH

CHEST BREADTH

STATURE	22 .75	23 .75	24 .75	25 .75	26 .75	27 .75	28 .75	29 .75	30 .75	31 .75	32 .75	33 .75	34 .75	35 .75	TOTALS
183.25												1			1
181.25					1										1
179.25					1	1	3	2	1	1					9
177.25				2	2	2	4	1	1	2					14
175.25			1		3	1	1	3	3	1					13
173.25				3	6	8	10	13	7	3	3				53
171.25		1	1	4	12	13	19	10	10	7	4		1		82
169.25			1	13	20	30	23	14	12	7	5				125
167.25		2	2	18	26	42	38	28	15	8	1	5	1	1	187
165.25		2	3	15	29	40	44	26	15	7	1	1			183
163.25		1	9	24	36	63	52	19	20	12	3		2		241
161.25		4	8	35	61	57	44	23	14	8	6				260
159.25		4	16	21	51	46	40	18	6	7		1	1		211
157.25	1	2	11	27	49	38	27	24	5	5		1			190
155.25		3	12	30	38	30	27	11	4	3		1	1		160
153.25		1	6	18	21	16	16	3	5	1		1			88
151.25	2	3	8	6	17	11	5	4	3	1					60
149.25		1	3	4	3	3	1			2					17
147.25			1	1	2	2	1	1							8
145.25			1	1											2
TOTALS	3	24	83	222	378	403	355	200	121	75	23	11	6	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-STATURE	162.10	6.00	0.873X	+	137.664	5.77	0.278
X-CHEST BREADTH	27.99	1.91	0.089Y	+	13.568	1.84	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND BUSTPOINT-TO-BUSTPOINT BREADTH

BUSTPOINT-TO-BUSTPOINT BREADTH

STATURE	13.00	13.50	14.00	14.50	15.00	15.50	16.00	16.50	17.00	17.50	18.00	18.50	19.00	19.50	20.00	20.50	21.00	21.50	22.00	22.50	23.00	23.50	24.00	24.50	TOTALS
183.25																		1							1
181.25													1												1
179.25										1	2			1	2	3									9
177.25							1		1	2	1		2	1	1	2	1	1	1						14
175.25										1	1	4	1	2			3	1							13
173.25			1						3	3	9	6	7	7	8	4	1	2		1	1				53
171.25					1		1	2	8	9	7	11	12	6	3	9	5	4	3		1				82
169.25						3		8	9	12	8	23	13	13	16	7	6	2	2	1		1	1		125
167.25			1		2	1	3	8	14	15	20	28	23	23	18	8	10	7		2	2	1		1	187
165.25					1	2	3	3	15	9	31	31	22	22	19	10	4	4	5	2					183
163.25				1	1	3	5	9	23	26	32	26	32	32	17	8	12	9	2		3				241
161.25		1	2	1		5	9	14	19	32	42	27	33	28	15	13	9	3	2	5					260
159.25				1		4	9	11	21	27	25	40	25	14	14	10	8	1	1						211
157.25			1		4	7	4	15	23	28	20	27	24	14	8	9	1	3	2						190
155.25			1		1	7	6	11	19	30	18	19	17	12	5	7	5			1				1	160
153.25				1	2	6	2	9	12	7	10	9	9	8	4	4	1	1	1	1		1			88
151.25						1	5	4	6	7	11	9	5	5	1	2	3				1				60
149.25	1					1	1	1	1	4	2	1	1	2	1		1								17
147.25								1	1	1	1	3	1												8
145.25									1					1											2
TOTALS	1	1	6	4	12	40	49	96	176	214	240	264	229	192	133	93	70	39	19	13	8	3	1	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-STATURE	162.10	6.00	0.818X	+	146.944	5.87	0.211
X-BUSTPT-BUSTPT BR	18.53	1.55	0.054Y	+	9.778	1.51	

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND WAIST BREADTH

WAIST BREADTH

STATURE	18.75	19.75	20.75	21.75	22.75	23.75	24.75	25.75	26.75	27.75	28.75	29.75	30.75	31.75	32.75	TOTALS
183.25											1					1
181.25					1											1
179.25				1	1	2	3	1		1						9
177.25						4	3	2	3		2					14
175.25						6	3	2	1	1						13
173.25			1	2	5	10	13	10	6	4	2					53
171.25				6	10	13	13	14	11	7	5		2		1	82
169.25			3	5	13	21	30	26	13	9	3	2				125
167.25			3	6	27	51	34	30	19	7	6	1	2	1		187
165.25		1	1	11	25	47	45	24	17	7	2	2	1			183
163.25	1		10	21	41	55	39	32	16	15	7	3	1			241
161.25		2	17	25	47	73	42	26	13	11	3	1				260
159.25			13	24	49	46	42	18	11	5	1	2				211
157.25		5	15	18	37	51	31	16	11	4	2					190
155.25		1	16	25	39	34	21	14	8	1	1					160
153.25	1		9	19	23	24	9	2							1	88
151.25		2	9	17	7	15	5	4			1					60
149.25				2	6	4	2	2		1						17
147.25		1	1		3	2		1								8
145.25			1	1												2
TOTALS	2	12	99	183	334	458	335	224	129	73	36	11	6	1	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-STATURE	162.10	6.00	1.020X	+	137.493	5.67	0.329
X-WAIST BREADTH	24.13	1.94	0.106Y	+	6.945	1.83	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND HIP BREADTH

HIP BREADTH

STATURE	28 .75	29 .75	30 .75	31 .75	32 .75	33 .75	34 .75	35 .75	36 .75	37 .75	38 .75	39 .75	40 .75	41 .75	42 .75	43 .75	TOT ALS
183.25								1									1
181.25							1										1
179.25						3		3	3								9
177.25					1		2	3	2	2	1	2	1				14
175.25							3	4	2	1	1	1	1				13
173.25				3	4	4	10	10	8	9	2	1	2				53
171.25				3	2	11	15	20	10	8	5	4	4				82
169.25			1	2	12	13	27	20	22	15	6	5	1			1	125
167.25			3	3	11	33	28	34	28	17	14	12	3	1			187
165.25		1	2	7	12	16	40	41	29	12	16	2	2		3		183
163.25	1		4	8	24	41	48	52	22	18	9	6	4	2	1	1	241
161.25	2	2	4	18	32	48	56	47	32	8	5	3	3				260
159.25		1	5	15	32	43	49	23	19	17	4	1	2				211
157.25		1	3	20	44	35	37	26	10	5	7	2					190
155.25	1	4	8	20	35	22	24	23	11	7	1	3	1				160
153.25		2	8	8	20	18	16	8	5	2	1						88
151.25		2	7	11	6	12	10	7	4	1							60
149.25		1		2	5	2	3	1	2	1							17
147.25			1	1		2	1	2	1								8
145.25			1	1													2
TOTALS	4	14	47	122	240	303	370	325	210	123	72	42	24	3	4	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-STATURE	162.10	6.00	0.944X	+	129.093	5.63	0.348
X-HIP BREADTH	34.97	2.22	0.129Y	+	14.057	2.08	

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND THIGH-TO-THIGH BREADTH, SITTING

THIGH-TO-THIGH BREADTH, SITTING

STATURE	28 .75	29 .75	30 .75	31 .75	32 .75	33 .75	34 .75	35 .75	36 .75	37 .75	38 .75	39 .75	40 .75	41 .75	42 .75	43 .75	44 .75	45 .75	46 .75	47 .75	48 .75	49 .75	TOT ALS
183.25														1									1
181.25											1												1
179.25							2	1	1	2	1		1				1						9
177.25								3		1	2	2	1	2	1	1		1					14
175.25							1		2	2	3	1	1		1	2							13
173.25				1		3	3	3	8	7	4	9	6	4	3	1	1						53
171.25				2	1		8	4	9	9	9	7	12	6	7	5	1	2					82
169.25				2		3	9	11	13	18	12	18	14	10	3	7	2	2			1		125
167.25				1	1	1	13	16	16	30	21	24	20	16	11	8	5	4					187
165.25					1	4	15	12	20	27	24	35	14	16	4	6	1	2		2			183
163.25				1	3	9	14	23	28	37	29	32	29	9	9	5	3	4	3	1	1	1	241
161.25	1			1	6	8	22	30	42	40	43	30	21	4	5	1	3	1	1	1			260
159.25			1	1	3	11	12	24	34	42	27	14	16	10	9	1	5		1				211
157.25			1	2	2	7	20	27	34	26	22	22	13	7	3	2	2						190
155.25			1	2	7	10	21	14	27	21	20	10	10	7	6	2	1	1					160
153.25				2	3	8	13	12	17	10	7	7	6	1		1			1				88
151.25				2	3	6	10	9	5	7	7	6	3	2									60
149.25				1		1	2	3	3	2	1	2		2									17
147.25							1	1	2	1			3										8
145.25						1	1																2
TOTALS	1	0	3	18	30	72	167	193	261	282	233	219	170	97	62	42	25	17	6	4	2	1	1985

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-STATURE	162.10	6.00	0.503X	+	142.894	5.83	0.239
X-THIGH-THIGH BR,SIT	38.19	2.86	0.114Y	+	19.710	2.78	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND HUMERAL BREADTH, RIGHT

HUMERAL BREADTH, RIGHT

STATURE	5 .20	5 .30	5 .40	5 .50	5 .60	5 .70	5 .80	5 .90	6 .00	6 .10	6 .20	6 .30	6 .40	6 .50	6 .60	6 .70	6 .80	6 .90	7 .00	7 .10	7 .20	7 .30	7 .40	7 .50	TOT ALS
183.25																			1						1
181.25															1										1
179.25									1					5	3										9
177.25									1			5	1	1	1	2	2				1				14
175.25										2	1		3	4	1	1			1						13
173.25									6	5	3	3	6	11	5	4	6	1	1	1	1				53
171.25			1	1			1	1	9	5	9	16	11	12	6	7	3								82
169.25			1			3	6	5	12	11	16	14	16	22	9	6	2	1	1						125
167.25				2	3	2	6	8	22	21	27	27	26	21	8	6	2	5	1						187
165.25				2	2	3	5	18	22	25	22	28	21	18	10	5	2								183
163.25				4	3	8	12	16	33	34	40	28	22	19	12	3	3	1	1	1				1	241
161.25	1	1	2	7	4	7	13	30	43	42	34	31	18	11	8	4	3	1							260
159.25			1	3	6	5	14	34	42	32	36	14	10	6	2	2	3			1					211
157.25			2	2	6	19	17	23	37	29	26	10	8	6	3		1	1							190
155.25	2	2		7	10	15	18	21	36	22	9	8	7	1	1			1							160
153.25			1	3	8	10	14	14	15	7	11	4	1												88
151.25		2	3	2	9	4	6	9	13	6	4	1	1												60
149.25			1	3	1	2	1	5	2	1	1														17
147.25				1		2		1	2		2														8
145.25					1	1																			2
TOTALS	3	5	12	37	53	81	113	185	296	242	241	189	151	137	70	40	27	11	6	3	2	0	0	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-STATURE	162.10	6.00	9.514X	+	103.748	5.25	0.486
X-HUMERAL BREADTH, R	6.13	0.31	0.025Y	+	2.081	0.27	

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND FEMORAL BREADTH, RIGHT

FEMORAL BREADTH, RIGHT

STATURE	6 .75	6 .95	7 .15	7 .35	7 .55	7 .75	7 .95	8 .15	8 .35	8 .55	8 .75	8 .95	9 .15	9 .35	9 .55	9 .75	9 .95	TOT ALS
183.25													1					1
181.25												1						1
179.25							2	1	2	1	1		2					9
177.25					1	1	1	1	3	2	2			2			1	14
175.25						1		2	4	1	2	2		1				13
173.25					1	3	5	4	11	13	6	5	3	2				53
171.25				2		15	8	13	15	8	14	3	2	1	1			82
169.25			1		8	11	24	18	24	17	8	9	4	1				125
167.25	2	1	1	3	5	18	26	33	37	32	17	5	4	3				187
165.25		2		5	14	21	28	33	35	22	12	9	1		1			183
163.25		2	4	6	10	25	36	42	44	28	27	11	4	2				241
161.25	2	4	1	14	23	50	49	50	24	24	12	5	1	1				260
159.25		1	6	6	20	29	35	44	34	23	10	1	2					211
157.25	1	3	2	7	20	42	41	27	25	9	9	4						190
155.25	1	1	4	11	16	29	44	25	16	8	4	1						160
153.25	1	2	1	3	13	20	16	15	11	3		2	1					88
151.25			6	4	3	13	16	7	9		1	1						60
149.25		1		3	2	1	6	3				1						17
147.25				1	2		2	2	1									8
145.25		1				1												2
TOTALS	7	18	26	65	138	280	339	320	295	191	125	60	25	13	2	0	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-STATURE	162.10	6.00	4.500X	+	125.579	5.65	0.338
X-FEMORAL BREADTH, R	8.12	0.45	0.025Y	+	4.064	0.42	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND CHEST DEPTH

CHEST DEPTH

STATURE	18 .75	19 .75	20 .75	21 .75	22 .75	23 .75	24 .75	25 .75	26 .75	27 .75	28 .75	29 .75	30 .75	31 .75	32 .75	TOT ALS
183.25										1						1
181.25								1								1
179.25				1		5	2	1								9
177.25			1		2	3	1	3	2	1			1			14
175.25		1		2	2	2	4	2								13
173.25			2	6	9	8	13	7	5	2		1				53
171.25			4	10	12	15	8	13	8	6	4	2				82
169.25		1	7	12	21	23	29	14	11	3	2	2				125
167.25		1	12	17	35	50	28	15	13	12	1	3				187
165.25		3	6	21	37	45	31	21	13	5	1					183
163.25	1		18	35	48	52	34	27	12	6	5	1	1	1		241
161.25		4	15	53	66	49	37	19	9	5	2		1			260
159.25		5	14	43	43	54	26	12	6	6	2					211
157.25		6	13	35	46	44	23	11	6	2	2		1		1	190
155.25	1	4	23	33	30	33	15	15	4	1	1					160
153.25		4	11	18	16	20	11	5	1	1			1			88
151.25		3	4	15	16	10	4	1	6	1						60
149.25		2		5	4	2	2			1	1					17
147.25				3	1	2	2									8
145.25					1	1										2
TOTALS	2	34	130	309	389	418	270	167	96	53	21	9	5	1	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-STATURE	162.10	6.00	0.705X + 145.435	5.85	0.227
X-CHEST DEPTH	23.64	1.93	0.073Y + 11.809	1.88	

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND WAIST DEPTH

WAIST DEPTH

STATURE	12 .75	13 .75	14 .75	15 .75	16 .75	17 .75	18 .75	19 .75	20 .75	21 .75	22 .75	23 .75	24 .75	25 .75	TOT ALS
183.25							1								1
181.25						1									1
179.25				3	2	4									9
177.25				1	5	5		1		1	1				14
175.25			1		7	3	2								13
173.25		1	2	6	19	12	8	4		1					53
171.25		1	4	14	18	20	9	7	1	4		2	2		82
169.25			3	22	41	31	15	6	5	2					125
167.25		2	10	35	55	42	24	8	5	3	3				187
165.25		1	8	33	61	40	22	7	6	4			1		183
163.25		2	13	59	60	50	34	8	6	4	3	2			241
161.25		6	38	73	64	36	29	6	3	2	2	1			260
159.25	1	2	17	62	56	42	19	6	1	2		3			211
157.25		5	23	42	60	31	16	5	3	3		2			190
155.25	1	3	26	40	44	26	9	4	6			1			160
153.25		2	16	25	28	8	6	2						1	88
151.25		3	11	20	14	4	4	3	1						60
149.25			2	6	5	2				1	1				17
147.25			3	1	3	1									8
145.25			1		1										2
TOTALS	2	28	178	442	543	358	198	67	37	27	10	11	3	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-STATURE	162.10	6.00	0.691X + 150.346	5.89	0.192
X-WAIST DEPTH	17.01	1.67	0.054Y + 8.261	1.64	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND ABDOMINAL EXTENSION DEPTH

ABDOMINAL EXTENSION DEPTH

STATURE	15 .75	16 .75	17 .75	18 .75	19 .75	20 .75	21 .75	22 .75	23 .75	24 .75	25 .75	26 .75	27 .75	28 .75	29 .75	30 .75	TOT ALS
183.25							1										1
181.25					1												1
179.25				2	2		4	1									9
177.25			1	1		5	4		1		1	1					14
175.25				1	4	2	3	2	1								13
173.25			3	2	8	16	7	8	7	1			1				53
171.25			1	5	18	17	12	8	6	5	3	2	3	2			82
169.25			1	11	25	21	31	17	6	4	6	2	1				125
167.25		1	9	13	32	40	42	23	12	8	2	2		3			187
165.25		2	7	17	31	42	42	16	11	9	2	2			2		183
163.25		3	8	30	57	41	40	25	19	8	3	3	1	1	2		241
161.25	2	6	21	40	50	62	35	25	7	5	3			3	1		260
159.25	1	3	13	31	44	51	36	15	8	2	3	1	2		1		211
157.25		3	17	28	44	41	23	17	7	6		3		1			190
155.25	3	3	15	31	31	31	20	9	10	5	1	1					160
153.25		3	9	17	20	17	8	7	5	1						1	88
151.25		1	9	13	14	10	6	1	3	1	2						60
149.25			2	2	8	1	1	1				2					17
147.25			2	2	2	1	1										8
145.25				1	1												2
TOTALS	6	25	118	247	392	398	316	175	103	55	26	19	8	10	6	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-STATURE	162.10	6.00	0.589X	+	149.799	5.87	0.208
X-ABDOMINAL EXT DPTH	20.89	2.12	0.073Y	+	9.057	2.07	

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND BUTTOCK DEPTH

BUTTOCK DEPTH

STATURE	15 .75	16 .75	17 .75	18 .75	19 .75	20 .75	21 .75	22 .75	23 .75	24 .75	25 .75	26 .75	27 .75	28 .75	29 .75	30 .75	TOT ALS
183.25										1							1
181.25					1												1
179.25					3	5		1									9
177.25				2		2	4	2	2	1	1						14
175.25					3	3	3	3			1						13
173.25			1	3	5	15	13	7	7	2							53
171.25				1	17	17	12	15	11	1	3	4	1				82
169.25				8	15	29	27	22	13	7	2	1				1	125
167.25		1	6	9	28	39	45	27	17	11	4						187
165.25			2	10	27	42	48	26	19	5	1	1	1	1			183
163.25		1	3	26	33	54	59	37	12	6	6	2	2				241
161.25			8	23	67	64	47	36	8	4	3						260
159.25		1	4	19	46	57	45	19	9	5	5		1				211
157.25		3	12	27	37	46	30	19	10	5		1					190
155.25		2	14	21	37	32	28	18	6	1	1						160
153.25	1		7	14	21	18	15	5	3	3		1					88
151.25		1	5	12	18	11	8	3		1	1						60
149.25			2	1	1	8		3		1	1						17
147.25			1		2	4			1								8
145.25						2											2
TOTALS	1	9	65	176	361	448	384	243	118	54	29	10	5	1	0	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-STATURE	162.10	6.00	0.798X	+	145.223	5.83	0.238
X-BUTTOCK DEPTH	21.15	1.79	0.071Y	+	9.644	1.74	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND THIGH CLEARANCE

THIGH CLEARANCE

STATURE	9 .00	9 .50	10 .00	10 .50	11 .00	11 .50	12 .00	12 .50	13 .00	13 .50	14 .00	14 .50	15 .00	15 .50	16 .00	16 .50	17 .00	TOT ALS
183.25													1					1
181.25					1													1
179.25									3	1	1	3	1					9
177.25							1	1	3	2	1	3		2			1	14
175.25						1			1	4	2	4	1					13
173.25					1	1	2	5	8	11	9	9	4	2	1			53
171.25				3		5	3	8	11	20	15	6	7	1	1	2		82
169.25				1	7	14	12	18	17	16	20	10	4	5		1		125
167.25			1	5	8	19	20	37	29	25	22	12	4	4	1			187
165.25			2	6	8	22	28	20	37	28	21	6	4				1	183
163.25			4	9	21	33	34	39	33	29	21	9	5	2	1	1		241
161.25		1	3	15	26	46	57	39	32	25	10	5		1				260
159.25		2	7	15	21	35	39	34	27	14	8	4	5					211
157.25	1	7	9	19	22	28	33	23	23	16	7		1	1				190
155.25		2	4	18	22	33	29	21	15	8	4	2	2					160
153.25	1	2	2	9	12	17	21	8	5	4	3	3	1					88
151.25		2	5	5	9	9	11	8	9	2								60
149.25		1	1	4	2	3	1	2	1	1	1							17
147.25			1			3		1	2			1						8
145.25			1			1												2
TOTALS	2	17	40	109	160	270	291	264	256	206	145	77	40	18	4	4	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-STATURE	162.10	6.00	2.068X	+	136.385	5.42	0.431
X-THIGH CLEARANCE	12.44	1.25	0.090Y	-	2.153	1.13	

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND SHOULDER LENGTH

SHOULDER LENGTH

STATURE	11 .50	12 .00	12 .50	13 .00	13 .50	14 .00	14 .50	15 .00	15 .50	16 .00	16 .50	17 .00	17 .50	18 .00	18 .50	19 .00	TOT ALS
183.25								1									1
181.25								1									1
179.25							1	3	1	2	1	1					9
177.25			1		1	1	1	4		4		1				1	14
175.25					1		1	1	2	3	3	1		1			13
173.25				1	3	4	11	10	9	8	7						53
171.25		1	2	3	2	12	9	15	13	9	8	3	4	1			82
169.25			3	3	5	19	22	25	26	11	7	2	1	1			125
167.25		1	1	4	6	26	43	34	38	21	7	5	1				187
165.25			1	5	13	33	35	28	32	17	13	6					183
163.25			3	9	26	42	44	45	38	19	9	5	1				241
161.25			1	10	24	61	43	45	38	25	7	5	1				260
159.25		2	5	16	25	42	51	35	20	12	2	1					211
157.25	1	1	6	12	23	46	42	27	22	7	3						190
155.25		3	7	21	23	27	39	16	14	4	5			1			160
153.25		2	4	13	14	23	12	10	6	3		1					88
151.25		2	3	10	12	13	10	9	1								60
149.25		1		2	4	5	4			1							17
147.25			1		4	1	2										8
145.25				1		1											2
TOTALS	1	13	38	110	186	356	370	309	260	146	72	31	8	4	0	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-STATURE	162.10	6.00	2.149X	+	130.597	5.59	0.365
X-SHOULDER LENGTH	14.66	1.02	0.062Y	+	4.610	0.95	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND NECK-TO-BUSTPOINT LENGTH

NECK-TO-BUSTPOINT LENGTH

STATURE	19 .75	20 .75	21 .75	22 .75	23 .75	24 .75	25 .75	26 .75	27 .75	28 .75	29 .75	30 .75	31 .75	TOT ALS
183.25									1					1
181.25									1					1
179.25				1	1	2	1	3	1					9
177.25				1	2	3	1		4	1		2		14
175.25				1	1	1	3	2	4	1				13
173.25			1	4	6	3	16	8	9	4	2			53
171.25			3	5	8	10	15	14	9	8	5	3	2	82
169.25		1	4	3	14	18	25	20	24	9	6	1		125
167.25				4	26	32	48	37	20	13	5	1	1	187
165.25		1	3	7	21	29	50	40	17	8	6	1		183
163.25		1	8	11	33	52	45	41	27	14	7	1	1	241
161.25		2	11	21	46	46	60	36	23	7	5	3		260
159.25		1	4	14	43	52	45	30	15	4	2	1		211
157.25		2	10	19	35	57	32	20	9	3	2		1	190
155.25	1	1	8	29	28	40	21	14	8	7	2	1		160
153.25		2	2	11	21	26	13	6	4	1	1	1		88
151.25		1		10	10	15	11	7	3	3				60
149.25			1	2	4	6	1	3						17
147.25					2	3	2	1						8
145.25				1					1					2
TOTALS	1	12	55	144	301	395	389	282	180	83	43	15	5	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-STATURE	162.10	6.00	0.841X + 140.662	5.79	0.265
X-NECK-BUSTPOINT L	25.49	1.89	0.083Y + 12.040	1.82	

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND STRAP LENGTH

STRAP LENGTH

STATURE	53 .25	55 .25	57 .25	59 .25	61 .25	63 .25	65 .25	67 .25	69 .25	71 .25	73 .25	75 .25	77 .25	79 .25	TOT ALS
183.25												1			1
181.25									1						1
179.25					1	1		4	1	2					9
177.25					2	2		2	3	2	2	1			14
175.25					1	2		4	4	2					13
173.25				3	3	4	9	13	11	5	4	1			53
171.25				2	9	10	14	18	11	5	7	2	3	1	82
169.25			1	4	11	15	26	25	22	11	8	2			125
167.25				5	15	30	51	32	25	20	4	3	2		187
165.25		1	2	3	20	28	43	41	28	10	4	3			183
163.25			4	11	28	52	45	42	26	21	7	3	2		241
161.25		4	6	18	37	53	45	51	26	11	6	3			260
159.25			7	14	33	44	55	33	13	7	3	2			211
157.25		2	5	20	43	43	37	22	9	7	1		1		190
155.25	1	2	4	31	30	37	21	18	8	4	3		1		160
153.25		2	3	6	26	18	17	9	2	3	1		1		88
151.25	1		3	8	15	7	12	6	6	1	1				60
149.25				2	4	7	1	1		1	1				17
147.25					3	2	3								8
145.25					1				1						2
TOTALS	2	11	35	127	282	355	379	321	197	112	52	21	10	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-STATURE	162.10	6.00	0.495X + 129.619	5.68	0.323
X-STRAP LENGTH	65.22	3.92	0.211Y + 31.017	3.71	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND INTERSCYE CURVATURE

INTERSCYE CURVATURE

STATURE	27 .75	28 .75	29 .75	30 .75	31 .75	32 .75	33 .75	34 .75	35 .75	36 .75	37 .75	38 .75	39 .75	40 .75	41 .75	42 .75	43 .75	TOT ALS
183.25														1				1
181.25							1											1
179.25							2	1	4	1	1							9
177.25						2	1	4	3	2	1	1						14
175.25						1	2	3	2	1	2		1	1				13
173.25			2	1		4	5	12	3	12	5	6	3					53
171.25			1	4	5	6	11	12	8	12	6	6	7	3	1			82
169.25		1		3	10	3	16	18	25	17	13	12	4	3				125
167.25		1	4	9	10	17	25	28	21	22	19	14	10	3	2	1	1	187
165.25			4	7	10	10	26	30	27	30	21	11	5	1	1			183
163.25		1	1	5	17	25	36	41	39	26	26	14	4	4		1	1	241
161.25	1	1	1	9	18	32	43	45	38	29	21	14	4	3	1			260
159.25	1	1	3	8	21	26	34	37	27	24	11	9	7		2			211
157.25			4	8	19	24	38	24	27	27	10	6	1		1	1		190
155.25	1		4	11	15	14	31	25	22	18	7	8	2	2				160
153.25		1		3	7	12	18	18	19	2	3	3	1		1			88
151.25		2	3		6	17	6	9	6	8	3							60
149.25				2	2	3	4	3		1			1		1			17
147.25							2	1	1	4								8
145.25				1			1											2
TOTALS	3	8	27	71	140	196	302	311	272	236	149	104	50	21	10	3	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-STATURE	162.10	6.00	0.463X + 145.872	5.90	0.188
X-INTERSCYE	35.06	2.44	0.076Y + 22.737	2.40	

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND INTERSCYE CURVATURE, MAXIMUM

INTERSCYE CURVATURE, MAXIMUM

STATURE	37 .75	38 .75	39 .75	40 .75	41 .75	42 .75	43 .75	44 .75	45 .75	46 .75	47 .75	48 .75	49 .75	50 .75	51 .75	52 .75	53 .75	54 .75	55 .75	56 .75	57 .75	58 .75	59 .75	60 .75	TOT ALS
183.25																	1								1
181.25											1														1
179.25											1			1	3		1	1	1	1					9
177.25									1	1	1		3	2		3		1	1				1		14
175.25									1		2	3	3			1	1	1				1			13
173.25						1		2		2	2	3	6	7	7	7	7	2	4	1		1	1		53
171.25					1			2	2	6	2	6	13	8	10	8	7	7	6	1	1		1	1	82
169.25						1	2	4	7	6	7	11	14	16	17	6	18	9	4	2		1			125
167.25					1	1	1	8	6	12	16	17	21	22	25	20	17	10	5	3	1		1		187
165.25			1	1	3	2	2	3	6	8	17	16	29	28	23	16	13	5	8	1	1				183
163.25			2		1		5	12	14	26	27	23	29	29	25	23	14	4	4	2	1				241
161.25			1	3	1	4	4	15	26	23	30	36	28	27	25	17	10	6	2	2					260
159.25			2		1	4	8	9	14	21	26	23	29	29	15	17	6	2	2	3					211
157.25				2	2	5	10	15	12	24	33	21	22	21	9	6	4	2	1	1					190
155.25					5	6	9	3	16	21	20	25	12	15	18	7		1			1	1			160
153.25				1	2	5	4	3	7	10	14	20	10	5	5	1		1							88
151.25	1	1			1	2	1	3	9	8	10	6	11	5	1		1								60
149.25				1			3	1	3	2	3	2				1		1							17
147.25									1	2		1	2	2											8
145.25			1						1																2
TOTALS	1	1	7	8	18	31	49	80	126	172	212	213	232	217	183	133	100	53	38	17	5	4	4	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-STATURE	162.10	6.00	0.642X + 130.395	5.62	0.352
X-INTERSCYE, MAXIMUM	49.39	3.29	0.193Y + 18.104	3.08	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND BACK CURVATURE

BACK CURVATURE

STATURE	33 .75	34 .75	35 .75	36 .75	37 .75	38 .75	39 .75	40 .75	41 .75	42 .75	43 .75	44 .75	45 .75	46 .75	47 .75	48 .75	49 .75	50 .75	51 .75	52 .75	53 .75	TOT ALS
183.25																	1					1
181.25			1																			1
179.25				1			1		1	2	1	1	2									9
177.25							1	2	2	2	2	4		1								14
175.25					1		1	3	2	2	1	2			1							13
173.25			1	1	1	2	4	4	7	4	7	8	7	2	3	1	1					53
171.25			1	1	1	4	8	14	6	8	8	5	6	3	7	1	4	2	2		1	82
169.25				2	5	3	9	12	14	15	19	15	18	4	6		2	1				125
167.25	1		1	2	6	9	20	26	18	27	17	21	16	8	6		7		2			187
165.25				3	7	12	16	26	23	27	18	13	12	10	8	4	1	1	1	1		183
163.25			5	4	9	14	38	30	28	33	31	13	15	8	6	3	1		3			241
161.25			2	5	13	17	38	43	34	27	34	18	15	7	4	1			2			260
159.25			3	5	11	18	42	27	28	28	16	9	8	7	4	3	1		1			211
157.25	2	1	3	5	13	12	21	37	22	26	13	15	7	5	4	3	1					190
155.25		1		10	11	21	22	25	20	14	10	6	8	2	6	2	2					160
153.25		1	2	3	6	8	15	15	15	10	6	3	3			1						88
151.25		1	2	6	8	2	9	10	6	1	6	3	3	1	1		1					60
149.25			1		1	3	3	5	1				1			1		1				17
147.25					1		2		3		1			1								8
145.25			1			1																2
TOTALS	3	4	23	48	94	126	250	279	230	226	190	136	121	59	56	20	22	5	11	1	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-STATURE	162.10	6.00	0.464X	+	142.548	5.83	0.236
X-BACK CURVATURE	42.15	3.05	0.120Y	+	22.693	2.97	

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND WAIST BACK

WAIST BACK

STATURE	33 .75	34 .75	35 .75	36 .75	37 .75	38 .75	39 .75	40 .75	41 .75	42 .75	43 .75	44 .75	45 .75	46 .75	47 .75	TOT ALS
183.25														1		1
181.25								1								1
179.25									3	1	2	1	2			9
177.25										3	4	4	2		1	14
175.25						1			1	2	6	1	1	1		13
173.25						6	2	5	10	15	4	3	6	2		53
171.25						3	5	11	13	21	17	7	5			82
169.25						7	9	28	26	21	21	9	4			125
167.25					1	7	7	26	56	35	31	12	9	1	1	187
165.25				1	5	5	15	30	44	23	36	15	4	4	1	183
163.25					5	15	21	48	57	46	20	20	4	5		241
161.25				2	10	24	36	46	56	50	22	9	4	1		260
159.25			2	3	8	31	43	43	46	23	7	3	2			211
157.25			2	5	15	30	41	38	31	19	5	3	1			190
155.25			3	3	15	29	37	43	14	7	6	2	1			160
153.25	2		1	4	14	23	14	10	13	4	3					88
151.25	1		2	5	8	14	11	12	4	3						60
149.25			2	2	3	4	5	1								17
147.25	1			1	2	1		1	2							8
145.25	1				1											2
TOTALS	5	12	26	87	183	247	314	368	263	193	118	50	31	6	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-STATURE	162.10	6.00	1.586X	+	97.853	4.87	0.585
X-WAIST BACK	40.51	2.22	0.216Y	+	5.497	1.80	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND ANTERIOR WAIST LENGTH

ANTERIOR WAIST LENGTH

STATURE	27 .75	28 .75	29 .75	30 .75	31 .75	32 .75	33 .75	34 .75	35 .75	36 .75	37 .75	38 .75	39 .75	40 .75	41 .75	TOT ALS
183.25														1		1
181.25								1								1
179.25							1	2	3		1		2			9
177.25						1	1	1	3	6	1	1				14
175.25								5	6	1			1			13
173.25			2	1	1	6	9	14	10	4	3	1		1	1	53
171.25				2	5	7	14	17	17	10	6	3	1			82
169.25				3	4	11	27	35	25	11	4	4		1		125
167.25		1	2	4	20	35	37	41	21	15	9	1	1			187
165.25		2		8	23	38	29	40	26	10	4	2	1			183
163.25			2	15	20	49	53	48	31	16	5	2				241
161.25		2	6	19	56	62	49	32	26	6	2					260
159.25		1	4	28	43	50	42	26	13	1	3					211
157.25		3	5	20	41	50	31	21	13	5	1					190
155.25		1	10	23	36	39	26	16	6	2	1					160
153.25		3	7	17	24	13	15	5	2	1		1				88
151.25	2	1	5	9	16	14	6	4	2		1					60
149.25		1	4	6	1	2	1	2								17
147.25			2		3	1	1		1							8
145.25				1	1											2
TOTALS	2	15	49	156	294	378	342	310	205	88	41	15	6	3	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-STATURE	162.10	6.00	1.404X	+	114.960	5.34	0.458
X-ANTERIOR WAIST LTH	33.58	1.96	0.149Y	+	9.424	1.74	

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND SLEEVE INSEAM

SLEEVE INSEAM

STATURE	36 .75	37 .75	38 .75	39 .75	40 .75	41 .75	42 .75	43 .75	44 .75	45 .75	46 .75	47 .75	48 .75	49 .75	50 .75	51 .75	52 .75	53 .75	TOT ALS
183.25												1							1
181.25																	1		1
179.25										1	2	3	1	1			1		9
177.25									1	2	1	3	1	3	3				14
175.25									1		3	2	2	3	1			1	13
173.25							1		6	15	8	10	10	2			1		53
171.25						1	1	4	11	17	26	7	11	2	1	1			82
169.25					1	1	7	11	28	25	17	19	12	3	1				125
167.25			2		2	2	9	24	39	39	38	14	13	5					187
165.25						7	15	39	45	32	24	16	2	2	1				183
163.25					7	15	35	55	56	39	21	11	1			1			241
161.25				1	10	23	47	72	56	31	11	5	3	1					260
159.25				6	26	39	39	53	23	13	8	4							211
157.25			3	8	24	36	47	42	17	9	3		1						190
155.25			6	14	36	29	30	30	9	5		1							160
153.25			4	13	21	24	10	12	2	2									88
151.25	1	4	5	12	14	13	6	4	1										60
149.25	1		3	1	4	8													17
147.25	1	3	3			1													8
145.25	1			1															2
TOTALS	4	7	26	56	145	199	247	346	295	230	162	96	57	22	7	2	3	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-STATURE	162.10	6.00	1.758X	+	84.528	4.24	0.707
X-SLEEVE INSEAM	44.13	2.42	0.285Y	-	2.072	1.71	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND SPINE-TO-SCYE LENGTH (SLEEVE LENGTH SEGMENT)

SPINE-TO-SCYE LENGTH (SLEEVE LENGTH SEGMENT)

STATURE	15.50	16.00	16.50	17.00	17.50	18.00	18.50	19.00	19.50	20.00	20.50	21.00	21.50	22.00	22.50	23.00	23.50	24.00	24.50	25.00	25.50	TOTALS
183.25																	1					1
181.25												1										1
179.25										2			5	2								9
177.25							1	1	1	1	3	2		2	1	1				1		14
175.25									2	3		3	1			1			1	2		13
173.25	1					2	2	3	2	2	7	8	7	6	6	1	5	1				53
171.25				2			3	5	8	12	7	11	10	9	6	2	4		2	1		82
169.25						3	4	10	12	10	16	22	18	15	5	8	2					125
167.25					1	3	8	5	21	31	30	30	20	15	10	7	4	1			1	187
165.25			1	2	2	3	8	17	18	27	31	20	27	9	5	7	2	4				183
163.25				1	2	3	7	24	32	44	42	22	23	15	11	9	4	1		1		241
161.25			1	2	5	9	21	21	47	38	27	40	24	17	5	3						260
159.25		1		2	3	6	16	23	27	36	32	22	15	12	7	7		1		1		211
157.25	1		1	2	3	11	15	25	28	37	21	16	14	15		1						190
155.25			1	1	2	5	10	23	24	22	17	25	12	12	5		1					160
153.25						3	5	10	14	20	13	15	4	4								88
151.25		1				3	5	9	11	15	7	5	2	1		1						60
149.25		1				1	1	2	3	5	1			1	1	1						17
147.25							1	1			1		2	3								8
145.25				1				1														2
TOTALS	2	3	4	13	18	52	107	180	250	305	255	242	184	138	62	49	23	8	3	6	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-STATURE	162.10	6.00	1.146X + 138.764	5.80	0.259
X-SPINE-TO-SCYE LGTH	20.37	1.36	0.059Y + 10.802	1.31	

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND SPINE-TO-ELBOW LENGTH (SLEEVE LENGTH SEGMENT)

SPINE-TO-ELBOW LENGTH (SLEEVE LENGTH SEGMENT)

STATURE	44.75	45.75	46.75	47.75	48.75	49.75	50.75	51.75	52.75	53.75	54.75	55.75	56.75	57.75	58.75	59.75	60.75	61.75	62.75	TOTALS
183.25																			1	1
181.25																1				1
179.25									1		2			3	3					9
177.25									1		3	3	3		1	2	1			14
175.25										1	1	1	5	1	1		1	1	1	13
173.25					1		1	1		9	8	5	13	11	2	2				53
171.25						2		1	10	8	8	11	21	14	3	3	1			82
169.25								6	14	19	29	27	16	7	3	3		1		125
167.25							4	16	15	41	26	43	28	8	4	1		1		187
165.25						2	10	16	24	38	44	30	13	4	1	1				183
163.25						2	15	39	39	57	47	25	12	3	1	1				241
161.25						10	25	45	58	62	44	13	1	1	1					260
159.25				2	3	14	33	43	45	36	19	10	5		1					211
157.25		1	1	2	12	16	36	42	38	29	8	4	1							190
155.25			1	6	9	25	26	37	34	15	4	3								160
153.25			2	3	9	16	20	21	11	5	1									88
151.25	1		1	4	6	27	8	7	5	1										60
149.25				1	4	6	4		2											17
147.25					3	4	1													8
145.25			1			1														2
TOTALS	1	1	6	18	47	125	183	274	297	321	244	175	118	52	21	14	3	3	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-STATURE	162.10	6.00	1.695X + 71.731	4.41	0.679
X-SPINE-TO-ELBOW LTH	53.32	2.41	0.272Y + 9.225	1.77	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND SPINE-TO-WRIST LENGTH (SLEEVE LENGTH SEGMENT)

SPINE-TO-WRIST LENGTH (SLEEVE LENGTH SEGMENT)

STATURE	67 .75	68 .75	69 .75	70 .75	71 .75	72 .75	73 .75	74 .75	75 .75	76 .75	77 .75	78 .75	79 .75	80 .75	81 .75	82 .75	83 .75	84 .75	85 .75	86 .75	87 .75	88 .75	89 .75	90 .75	TOT ALS
183.25																								1	1
181.25																						1			1
179.25														2		1			1	2	2	1			9
177.25															2	2	3	2		1	1		2	1	14
175.25														1	1		2	3	2		1		2	1	13
173.25										1	1	1		3	5	9	8	9	9	2	3	2			53
171.25									1	1		1	7	10	6	12	11	12	9	8	1	1	2		82
169.25											2	8	9	22	23	22	21	5	4	7	1	1			125
167.25							1	1		1	6	12	25	27	35	26	24	17	9	1	1		1		187
165.25									3	6	12	26	30	25	34	23	17	3	3		1				183
163.25								1	2	21	25	29	48	44	33	22	8	5	2			1			241
161.25							1	3	14	27	40	44	53	39	26	9	2	1			1				260
159.25							3	14	18	28	38	44	35	14	10	4		1	1	1					211
157.25			1			7	8	11	24	37	28	28	28	14		3	1								190
155.25				1	2	4	15	24	19	31	31	19	9	3	1	1									160
153.25					3	7	8	14	19	16	12	5	1	2		1									88
151.25	1			1	3	10	13	12	8	3	6	2	1												60
149.25					2	2	3	6	1	2	1														17
147.25						2	6																		8
145.25			1			1																			2
TOTALS	1	0	2	2	10	33	58	86	109	174	202	219	246	206	176	135	97	58	40	22	12	7	7	3	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-STATURE	162.10	6.00	1.371X	+	52.994	3.92	0.758
X-SPINE-TO-WRIST LTH	79.58	3.32	0.419Y	+	11.663	2.17	

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND HAND LENGTH

HAND LENGTH

STATURE	15 .50	16 .00	16 .50	17 .00	17 .50	18 .00	18 .50	19 .00	19 .50	20 .00	20 .50	21 .00	21 .50	22 .00	TOT ALS
183.25											1				1
181.25									1						1
179.25								2	2	2	2	1			9
177.25								4	3	3	4				14
175.25						1	1	5	1	1	3			1	13
173.25						3	5	10	11	11	7	4	2		53
171.25				1		6	22	22	13	12	6				82
169.25					2	12	25	37	19	18	8	4			125
167.25				1	9	33	39	42	28	18	14	2	1		187
165.25			1	7	16	43	49	28	28	9	2				183
163.25			2	8	32	49	68	48	18	8	7	1			241
161.25			3	13	44	70	67	36	18	4	5				260
159.25	1	2	6	21	44	56	40	26	10	4	1				211
157.25		1	7	23	45	55	28	23	5	2		1			190
155.25		1	11	28	50	33	20	16		1					160
153.25		1	12	16	24	19	11	4		1					88
151.25	1	2	11	13	15	11	6	1							60
149.25		1	4	5	3	2	2								17
147.25	1		3	1	1	2									8
145.25			2												2
TOTALS	3	8	62	137	285	395	383	304	157	94	60	13	3	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-STATURE	162.10	6.00	3.764X	+	92.909	4.80	0.601
X-HAND LENGTH	18.38	0.96	0.096Y	+	2.821	0.77	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND FOOT LENGTH

FOOT LENGTH

STATURE	21 .00	21 .50	22 .00	22 .50	23 .00	23 .50	24 .00	24 .50	25 .00	25 .50	26 .00	26 .50	27 .00	27 .50	TOTALS
183.25										1					1
181.25											1				1
179.25							1	1	1	3	1		1	1	9
177.25									1	6	2	4		1	14
175.25							1	2	3	5	1		1		13
173.25							3	4	11	14	11	5	4	1	53
171.25						2	7	19	16	21	9	6	2		82
169.25					1	5	19	17	33	23	16	6	4	1	125
167.25				1	2	11	25	49	44	35	9	6	2	3	187
165.25				2	15	26	40	33	35	24	5	3			183
163.25			2	6	17	40	58	56	33	16	10	2	1		241
161.25			4	13	27	64	59	49	28	9	7				260
159.25	1	1	5	13	47	56	40	33	11	4					211
157.25	1	5	16	16	39	46	33	24	7	2	1				190
155.25	1	3	12	39	45	34	15	9	2						160
153.25		2	19	16	22	13	8	7	1						88
151.25	3	7	9	16	12	8	2	3							60
149.25	1	2	5	3	4	1		1							17
147.25	1	1		4	1	1									8
145.25			2												2
TOTALS	8	21	74	129	232	307	311	307	226	163	73	32	15	7	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-STATURE	162.10	6.00	3.682X	+	73.483	4.34	0.692
X-FOOT LENGTH	24.07	1.13	0.130Y	+	2.995	0.81	

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND HEAD CIRCUMFERENCE

HEAD CIRCUMFERENCE

STATURE	50 .00	50 .50	51 .00	51 .50	52 .00	52 .50	53 .00	53 .50	54 .00	54 .50	55 .00	55 .50	56 .00	56 .50	57 .00	57 .50	58 .00	58 .50	59 .00	59 .50	60 .00	60 .50	61 .00	61 .50	TOTALS
183.25												1													1
181.25													1												1
179.25						1		2		1	1	1	2				1								9
177.25									1	2	2		2		2	1	2			2					14
175.25										1	1		5	1	2		1	1			1				13
173.25						1	1	3	2	6	5	5	7	3	8	5	3	2	2						53
171.25							5	2	6	7	16	7	11	10	5	5	2	1	2	1	1			1	82
169.25			2		2	1	5	8	9	13	21	7	14	9	13	5	11	2	1	1	1				125
167.25			1		1	4	7	8	24	38	22	22	18	14	14	3	7	3					1		187
165.25			3		1	6	13	5	20	27	26	20	29	11	8	12	1		1						183
163.25			1		7	4	16	15	30	33	42	21	28	17	14	4	3	3	2	1					241
161.25	1		2	4	3	9	16	23	25	45	36	23	26	19	16	5	5	1					1		260
159.25				3	9	13	18	20	36	14	30	23	17	12	6	5	3	2							211
157.25			2	3	13	13	15	17	25	20	26	12	19	12	7	2	2	2							190
155.25		1	4	3	10	13	15	12	24	24	16	5	14	8	4	3	3	1							160
153.25			1	4	7	11	10	10	14	7	9	4	8	1	1	1									88
151.25			2	3	6	1	7	7	8	5	11	6	1		2		1								60
149.25					3	1	5	1	2	2	2		1												17
147.25					1	1	1			1			1	1	1			1							8
145.25										1	1														2
TOTALS	1	1	18	20	63	79	134	133	226	247	267	157	204	118	103	51	45	19	8	5	3	0	2	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-STATURE	162.10	6.00	1.222X	+	95.058	5.67	0.331
X-HEAD CIRCUMFERENCE	54.87	1.62	0.089Y	+	40.438	1.53	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND ABDOMINAL EXTENSION HEIGHT, OVER FOUNDATION GARMENT

ABDOMINAL EXTENSION HEIGHT, OVER FOUNDATION GARMENT

STATURE	79 .25	81 .25	83 .25	85 .25	87 .25	89 .25	91 .25	93 .25	95 .25	97 .25	99 .25	101 .25	103 .25	105 .25	107 .25	TOT ALS
183.25															1	1
181.25															1	1
179.25												1	1	1	1	4
177.25												4	2	1	1	8
175.25											4	2	1	1		8
173.25									1	3	13	13	9	1		40
171.25								4	5	18	22	8	2			59
169.25							1	8	17	35	29	7	1			98
167.25							6	16	46	44	25	6	1			144
165.25						3	16	49	42	25	11		1			147
163.25						11	38	85	49	21	3					207
161.25					2	26	68	81	21	7	2					207
159.25					17	49	56	40	10	4						176
157.25			1	5	25	54	55	13	2	1						156
155.25		1	3	17	30	45	23	5								124
153.25			5	12	27	15	5	1								65
151.25	1	1	8	20	14	2										46
149.25			5	9	1											15
147.25	1	1	3													5
145.25		2														2
TOTALS	2	5	25	63	116	205	268	302	193	158	109	41	18	4	4	1513

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-STATURE	161.99	5.82	1.174X	+ 52.999	2.86	0.871
X-ABDOM EXT HGT, OFG	92.84	4.31	0.646Y	- 11.808	2.12	

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND WEIGHT AS REPORTED BY SUBJECTS

WEIGHT AS REPORTED BY SUBJECTS

STATURE	84 .00	89 .00	94 .00	99 .00	104 .00	109 .00	114 .00	119 .00	124 .00	129 .00	134 .00	139 .00	144 .00	149 .00	154 .00	159 .00	164 .00	169 .00	174 .00	179 .00	184 .00	189 .00	194 .00	TOT ALS
183.25																		1						1
181.25												1												1
179.25								1		2	2		1		3									9
177.25								1	1	1		2	4		1	1		2					1	14
175.25								1		1	2	1	6	1			1							13
173.25						1	1	1	3	11	8	5	10	3	3	3	2	1	1					53
171.25							3	6	8	11	6	12	9	9	4	6	2	2	1		2		1	82
169.25						1	7	19	5	12	18	22	20	12	4	2	1			2				125
167.25					2	9	7	19	26	21	32	23	16	12	6	3	3	5	1	1				186
165.25				1	1	5	13	25	29	33	26	21	12	10	4	1			1	1				183
163.25				1	8	16	22	32	33	43	30	23	13	6	3	5		1		2		1	1	240
161.25				7	15	21	57	33	44	35	24	9	8	2	1	2	1					1		260
159.25			1	7	11	23	33	49	31	21	17	6	4	2	2	2	1	1						211
157.25		3	2	9	18	20	41	36	19	19	9	6	3	2	3									190
155.25			7	16	25	20	28	16	20	12	8	5	1	1		1								160
153.25	1		5	6	17	16	16	11	8	5	2			1										88
151.25			4	12	12	10	7	6	4	2	2		1											60
149.25		1	2		2	3	4	2	1			1	1											17
147.25			1		1	1	4			1														8
145.25		1		1																				2
TOTALS	1	5	22	60	112	146	243	258	232	230	166	137	109	61	34	26	11	13	3	6	3	2	3	1903

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-STATURE	162.10	6.01	0.210X	+ 135.766	5.00	0.554
X-WEIGHT,ESTIMATED	125.40	15.83	1.459Y	- 111.101	13.18	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
CERVICALE HEIGHT AND ACROMIAL HEIGHT

ACROMIAL HEIGHT

CERVICALE HEIGHT	115 .25	117 .25	119 .25	121 .25	123 .25	125 .25	127 .25	129 .25	131 .25	133 .25	135 .25	137 .25	139 .25	141 .25	143 .25	145 .25	147 .25	149 .25	151 .25	TOT ALS
157.25																2				2
155.25																1	4		1	6
153.25														1	3	7	3	1		15
151.25													2	2	8	4	1			17
149.25													18	20	17					55
147.25										1	1	24	51	35	9					121
145.25										1	22	67	48	7						145
143.25									1	30	100	56	10							197
141.25								4	43	85	80	12	1							225
139.25								34	135	92	13									274
137.25							2	24	134	78	16	2								256
135.25						21	91	79	20											211
133.25					1	20	77	66	26	1										191
131.25				12	38	42	11	1												104
129.25			7	24	23	2	1													57
127.25			5	12	3															20
125.25		1	4	1																6
123.25	1	1																		2
121.25		1																		1
TOTALS	1	3	16	50	84	144	193	278	278	225	218	159	130	65	37	14	8	1	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-CERVICALE HEIGHT	139.20	5.52	0.972X + 11.028	1.45	0.965
X-ACROMIAL HEIGHT	131.86	5.48	0.958Y - 1.489	1.44	

A BIVARIATE FREQUENCY TABLE FOR
CERVICALE HEIGHT AND SUPRASTERNALE HEIGHT

SUPRASTERNALE HEIGHT

CERVICALE HEIGHT	117 .25	119 .25	121 .25	123 .25	125 .25	127 .25	129 .25	131 .25	133 .25	135 .25	137 .25	139 .25	141 .25	143 .25	145 .25	147 .25	149 .25	151 .25	TOT ALS
157.25																2			2
155.25															1	4		1	6
153.25														2	9	4			15
151.25													4	9	4				17
149.25												10	37	8					55
147.25											23	73	21	4					121
145.25									1	25	74	43	2						145
143.25								1	30	102	59	5							197
141.25								27	104	84	10								225
139.25							25	134	100	15									274
137.25						2	16	118	111	8	1								256
135.25					1	15	83	95	16	1									211
133.25				1	8	71	95	16											191
131.25				5	29	62	8												104
129.25			3	13	29	7													57
127.25			7	10	3														20
125.25			3	3															6
123.25		2																	2
121.25		1																	1
TOTALS	3	13	37	70	157	202	254	289	244	227	166	131	64	23	14	10	0	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-CERVICALE HEIGHT	139.20	5.52	1.012X + 5.610	1.29	0.972
X-SUPRASTERNALE HGHT	132.00	5.30	0.934Y + 1.993	1.24	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
CERVICALE HEIGHT AND BUSTPOINT HEIGHT

BUSTPOINT HEIGHT

CERVICALE HEIGHT	101.25	103.25	105.25	107.25	109.25	111.25	113.25	115.25	117.25	119.25	121.25	123.25	125.25	127.25	129.25	131.25	133.25	135.25	137.25	TOTALS
157.25																	1		1	2
155.25																1	2	3		6
153.25															4	7	3	1		15
151.25												2	3	8	3			1		17
149.25											3	6	13	18	11	4				55
147.25										3	5	22	48	28	14	1				121
145.25										11	27	50	41	12	4					145
143.25								1	5	40	69	66	15	1						197
141.25							1	10	30	81	78	19	5	1						225
139.25							4	36	98	97	31	8								274
137.25						1	30	86	86	41	10	2								256
135.25				1	1	14	60	88	37	10										211
133.25				1	10	44	76	43	17											191
131.25				8	18	31	37	8	2											104
129.25			1	13	26	15	1	1												57
127.25		1	3	5	9	2														20
125.25		1		3	2															6
123.25			2																	2
121.25	1																			1
TOTALS	1	2	6	31	66	107	209	273	275	283	223	173	124	63	41	16	6	5	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-CERVICALE HEIGHT	139.20	5.52	0.981X	+	23.125	2.07	0.927
X-BUSTPOINT HEIGHT	118.32	5.21	0.876Y	-	3.617	1.95	

A BIVARIATE FREQUENCY TABLE FOR
CERVICALE HEIGHT AND WAIST HEIGHT

WAIST HEIGHT

CERVICALE HEIGHT	87.25	89.25	91.25	93.25	95.25	97.25	99.25	101.25	103.25	105.25	107.25	109.25	111.25	113.25	115.25	TOTALS
157.25														1	1	2
155.25												1	3		2	6
153.25											2	3	7	2	1	15
151.25											5	10	1	1		17
149.25									2	4	24	18	5	2		55
147.25								3	13	46	48	6	5			121
145.25							1	4	64	54	19	3				145
143.25						1	5	38	96	43	13	1				197
141.25						9	38	95	77	4	2					225
139.25					3	34	100	95	41	1						274
137.25				2	15	73	107	52	6	1						256
135.25			1	3	53	88	56	9	1							211
133.25			2	34	90	52	12	1								191
131.25			6	46	35	16	1									104
129.25	1	4	17	29	6											57
127.25		5	8	6	1											20
125.25	1	2	1	2												6
123.25		2														2
121.25	1															1
TOTALS	3	13	35	122	203	273	320	297	300	153	113	42	21	6	4	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-CERVICALE HEIGHT	139.20	5.52	1.137X	+	25.179	2.07	0.927
X-WAIST HEIGHT	100.28	4.50	0.755Y	-	4.814	1.69	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
CERVICALE HEIGHT AND ABDOMINAL EXTENSION HEIGHT

ABDOMINAL EXTENSION HEIGHT

CERVICALE HEIGHT	79 .25	81 .25	83 .25	85 .25	87 .25	89 .25	91 .25	93 .25	95 .25	97 .25	99 .25	101 .25	103 .25	105 .25	107 .25	TOT ALS
157.25														1	1	2
155.25												1		3	2	6
153.25											1	3	3	8		15
151.25										1	3	7	5	1		17
149.25										7	16	19	11	2		55
147.25								1	9	37	45	22	7			121
145.25							1	11	27	55	40	10	1			145
143.25							5	26	69	65	28	3	1			197
141.25						2	24	72	86	36	5					225
139.25						11	78	113	58	13	1					274
137.25					7	45	103	79	17	5						256
135.25				6	21	67	83	29	5							211
133.25			3	15	61	73	35	4								191
131.25			5	22	46	28	2	1								104
129.25	1		9	18	25	4										57
127.25		1	8	6	5											20
125.25	1		2	2	1											6
123.25		2														2
121.25	1															1
TOTALS	3	3	27	69	166	230	331	336	271	219	139	65	28	15	3	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-CERVICALE HEIGHT	139.20	5.52	1.136X	+	33.375	2.28	0.911
X-ABDOMINAL EXT HGT	93.15	4.42	0.730Y	-	8.461	1.83	

A BIVARIATE FREQUENCY TABLE FOR
CERVICALE HEIGHT AND TROCHANTERIC HEIGHT

TROCHANTERIC HEIGHT

CERVICALE HEIGHT	69 .25	71 .25	73 .25	75 .25	77 .25	79 .25	81 .25	83 .25	85 .25	87 .25	89 .25	91 .25	93 .25	95 .25	97 .25	TOT ALS
157.25													1	1		2
155.25											1		1	3	1	6
153.25										2	1	4	6	2		15
151.25										2	7	5	3			17
149.25									1	18	20	10	4	1	1	55
147.25								3	20	43	35	14	5	1		121
145.25							5	20	42	51	21	5	1			145
143.25						4	12	44	70	53	13	1				197
141.25					1	7	39	83	64	26	5					225
139.25				1	2	31	76	92	55	14	2	1				274
137.25				2	12	67	86	65	20	4						256
135.25				3	40	73	60	26	8	1						211
133.25			4	17	57	65	38	9	1							191
131.25			11	25	35	27	4	2								104
129.25	1	2	7	18	24	5										57
127.25		3	5	7	4	1										20
125.25			4	1		1										6
123.25		1	1													2
121.25	1															1
TOTALS	2	6	32	74	175	281	320	344	281	214	105	40	21	8	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-CERVICALE HEIGHT	139.20	5.52	1.120X	+	46.603	2.76	0.866
X-TROCHANTERIC HGHT	82.67	4.27	0.670Y	-	10.589	2.14	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
CERVICALE HEIGHT AND BUTTOCK HEIGHT

BUTTOCK HEIGHT

CERVICALE HEIGHT	65 .25	67 .25	69 .25	71 .25	73 .25	75 .25	77 .25	79 .25	81 .25	83 .25	85 .25	87 .25	89 .25	91 .25	93 .25	95 .25	97 .25	TOT ALS
157.25														1		1		2
155.25													1		2	3		6
153.25												1	5	3	4	1	1	15
151.25											1	4	6	5	1			17
149.25											6	13	19	15	2			55
147.25										11	28	45	25	11			1	121
145.25									6	23	49	51	11	4	1			145
143.25								3	15	54	84	33	8					197
141.25							3	14	43	73	66	23	2	1				225
139.25							12	34	83	95	41	6	3					274
137.25						1	21	75	95	50	11	3						256
135.25					5	6	38	87	51	22	2							211
133.25					8	30	61	56	32	4								191
131.25					4	26	50	19	5									104
129.25				1	11	26	14	5										57
127.25		1	1	1	4	8	3	1	1									20
125.25			1	1	1	2	1											6
123.25				2														2
121.25	1																	1
TOTALS	1	1	2	5	33	99	203	294	331	332	288	179	80	40	10	5	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-CERVICALE HEIGHT	139.20	5.52	1.148X	+	44.816	2.76	0.866
X-BUTTOCK HEIGHT	82.21	4.16	0.653Y	-	8.682	2.08	

A BIVARIATE FREQUENCY TABLE FOR
CERVICALE HEIGHT AND GLUTEAL FURROW HEIGHT

GLUTEAL FURROW HEIGHT

CERVICALE HEIGHT	59 .25	61 .25	63 .25	65 .25	67 .25	69 .25	71 .25	73 .25	75 .25	77 .25	79 .25	81 .25	83 .25	85 .25	87 .25	TOT ALS
157.25														2		2
155.25											1	1		3	1	6
153.25									1		3	4	4	3		15
151.25								1	1	3	10	1	1			17
149.25									4	15	18	16	2			55
147.25								11	22	44	32	8	4			121
145.25						1	3	24	38	47	31	1				145
143.25					2	3	23	52	60	42	12	3				197
141.25					3	6	41	71	74	26	3	1				225
139.25					4	30	69	102	51	16	2					274
137.25				2	16	53	97	61	22	5						256
135.25				3	28	74	66	35	5							211
133.25			3	14	42	78	39	14	1							191
131.25			4	16	33	36	14	1								104
129.25			5	15	22	12	3									57
127.25	1	1	1	7	7	3										20
125.25	1	1		1	2		1									6
123.25		2														2
121.25	1															1
TOTALS	3	4	13	58	159	296	356	372	279	198	112	35	11	8	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-CERVICALE HEIGHT	139.20	5.52	1.169X	+	54.208	3.00	0.839
X-GLUTEAL FURROW HGT	72.70	3.96	0.602Y	-	11.095	2.16	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
CERVICALE HEIGHT AND TIBIALE HEIGHT

TIBIALE HEIGHT

CERVICALE HEIGHT	33 .75	34 .75	35 .75	36 .75	37 .75	38 .75	39 .75	40 .75	41 .75	42 .75	43 .75	44 .75	45 .75	46 .75	47 .75	48 .75	49 .75	TOT ALS
157.25														1		1		2
155.25													1		2	1	2	6
153.25												1	1	3	6	4		15
151.25										1		4	5	3	1	2	1	17
149.25										4	9	10	13	11	4	2	2	55
147.25									5	17	24	30	19	21	5			121
145.25							1	5	11	28	41	35	15	6	3			145
143.25							4	6	36	44	52	38	13	4				197
141.25						2	7	26	57	58	47	22	6					225
139.25					3	3	16	61	90	56	30	11	4					274
137.25				1	2	16	31	79	60	50	15	2						256
135.25				3	7	22	54	55	40	20	7	3						211
133.25				3	14	48	56	46	17	6	1							191
131.25				2	23	22	29	18	7	3								104
129.25			4	7	16	17	6	4	3									57
127.25		1		3	5	8	3											20
125.25			2	2	1	1												6
123.25			1		1													2
121.25	1																	1
TOTALS	1	1	7	21	72	139	207	300	326	287	226	156	77	49	21	10	5	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-CERVICALE HEIGHT	139.20	5.52	1.893X	+	59.723	3.20	0.815
X-TIBIALE HEIGHT	41.98	2.38	0.351Y	-	6.875	1.38	

A BIVARIATE FREQUENCY TABLE FOR
CERVICALE HEIGHT AND CROTCH HEIGHT

CROTCH HEIGHT

CERVICALE HEIGHT	61 .25	63 .25	65 .25	67 .25	69 .25	71 .25	73 .25	75 .25	77 .25	79 .25	81 .25	83 .25	85 .25	87 .25	TOT ALS
157.25													1	1	2
155.25												1	2	3	6
153.25										1	1	7	3	3	15
151.25										3	5	8		1	17
149.25									3	18	21	12		1	55
147.25								4	28	39	35	12	3		121
145.25							4	23	46	51	16	5			145
143.25							12	58	78	37	11	1			197
141.25						1	42	94	62	15	4				225
139.25					1	1	30	88	107	34	11	2			274
137.25						13	58	106	63	14	2				256
135.25					5	36	76	66	23	5					211
133.25				1	21	58	70	32	8	1					191
131.25				4	20	38	32	10							104
129.25				9	23	19	6								57
127.25	1		2	4	7	5	1								20
125.25			2	1	2	1									6
123.25				2											2
121.25	1														1
TOTALS	2	4	21	79	172	280	360	380	271	177	95	46	9	9	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-CERVICALE HEIGHT	139.20	5.52	1.200X	+	49.790	2.66	0.876
X-CROTCH HEIGHT	74.50	4.03	0.640Y	-	14.581	1.94	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
ACROMIAL HEIGHT AND SUPRASTERNALE HEIGHT

SUPRASTERNALE HEIGHT

ACROMIAL HEIGHT	117.25	119.25	121.25	123.25	125.25	127.25	129.25	131.25	133.25	135.25	137.25	139.25	141.25	143.25	145.25	147.25	149.25	151.25	TOTALS
151.25																		1	1
149.25																1			1
147.25															3	5			8
145.25														2	8	4			14
143.25													6	16	12	3			37
141.25												5	25	28	7				65
139.25											10	34	64	20	2				130
137.25										5	41	81	32						159
135.25									2	6	50	116	40	4					218
133.25									2	50	113	54	6						225
131.25								7	47	152	66	6							278
129.25					1	5	40	143	79	10									278
127.25					3	31	103	54	2										193
125.25				1	11	80	46	6											144
123.25			1	3	39	35	6												84
121.25			4	24	16	6													50
119.25			7	9															16
117.25	2	1																	3
115.25	1																		1
TOTALS	3	13	37	70	157	202	254	289	244	227	166	131	64	23	14	10	0	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-ACROMIAL HEIGHT	131.86	5.48	1.000X - 0.141	1.39	0.967
X-SUPRASTERNALE HGHT	132.00	5.30	0.936Y + 8.580	1.35	

A BIVARIATE FREQUENCY TABLE FOR
ACROMIAL HEIGHT AND BUSTPOINT HEIGHT

BUSTPOINT HEIGHT

ACROMIAL HEIGHT	101.25	103.25	105.25	107.25	109.25	111.25	113.25	115.25	117.25	119.25	121.25	123.25	125.25	127.25	129.25	131.25	133.25	135.25	137.25	TOTALS
151.25																			1	1
149.25																	1			1
147.25															1	1	4	2		8
145.25													1		1	7	2	2	1	14
143.25													2	7	12	11	5			37
141.25													1	3	17	26	16	2		65
139.25													4	11	38	49	16	12		130
137.25													12	40	65	35	7			159
135.25													2	12	56	86	47	13	2	218
133.25								1					12	42	95	55	18	2		225
131.25								9					55	114	76	24				278
129.25							4	41	107	81	39	6								278
127.25						2	23	80	68	20										193
125.25					1	16	37	56	27	6	1									144
123.25					7	25	30	20	2											84
121.25			1	1	15	18	13	2												50
119.25				3	8	5														16
117.25	1		1	1																3
115.25				1																1
TOTALS	1	2	6	31	66	107	209	273	275	283	223	173	124	63	41	16	6	5	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-ACROMIAL HEIGHT	131.86	5.48	0.982X + 15.671	1.95	0.935
X-BUSTPOINT HEIGHT	118.32	5.21	0.889Y + 1.095	1.85	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
ACROMIAL HEIGHT AND WAIST HEIGHT

WAIST HEIGHT

ACROMIAL HEIGHT	87 .25	89 .25	91 .25	93 .25	95 .25	97 .25	99 .25	101 .25	103 .25	105 .25	107 .25	109 .25	111 .25	113 .25	115 .25	TOT ALS
151.25													1			1
149.25													1			1
147.25											1	3	3		1	8
145.25											1	4	4	2	3	14
143.25									1	5	11	10	6	4		37
141.25								1	3	16	26	13	6			65
139.25								4	34	43	41	8				130
137.25						1	1	14	64	47	28	4				159
135.25						3	14	57	106	34	4					218
133.25					1	14	54	85	63	7	1					225
131.25					5	45	106	96	25	1						278
129.25			1	5	31	97	101	39	4							278
127.25			1	6	76	73	36	1								193
125.25			5	36	61	35	7									144
123.25	1	1	11	42	23	5	1									84
121.25		4	12	29	5											50
119.25		6	5	4	1											16
117.25	2	1														3
115.25		1														1
TOTALS	3	13	35	122	203	273	320	297	300	153	113	42	21	6	4	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-ACROMIAL HEIGHT	131.86	5.48	1.119X + 19.648	2.16	0.919
X-WAIST HEIGHT	100.28	4.50	0.755Y + 0.724	1.77	

A BIVARIATE FREQUENCY TABLE FOR
ACROMIAL HEIGHT AND ABDOMINAL EXTENSION HEIGHT

ABDOMINAL EXTENSION HEIGHT

ACROMIAL HEIGHT	79 .25	81 .25	83 .25	85 .25	87 .25	89 .25	91 .25	93 .25	95 .25	97 .25	99 .25	101 .25	103 .25	105 .25	107 .25	TOT ALS
151.25														1		1
149.25														1		1
147.25											2	1	2	2	1	8
145.25											2	2		8	2	14
143.25										4	4	15	12	2		37
141.25									1	16	27	12	8	1		65
139.25							1	2	15	44	42	22	4			130
137.25								17	33	62	33	12	2			159
135.25							11	39	92	51	24	1				218
133.25						7	31	81	74	28	4					225
131.25					5	20	91	105	45	11	1					278
129.25				4	12	62	116	70	11	3						278
127.25			1	9	37	68	59	19								193
125.25			2	17	50	51	21	3								144
123.25	1		6	18	40	18	1									84
121.25			11	14	21	4										50
119.25		1	7	7	1											16
117.25	2	1														3
115.25		1														1
TOTALS	3	3	27	69	166	230	331	336	271	219	139	65	28	15	3	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-ACROMIAL HEIGHT	131.86	5.48	1.115X + 27.996	2.39	0.900
X-ABDOMINAL EXT HGT	93.15	4.42	0.726Y - 2.579	1.93	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
ACROMIAL HEIGHT AND TROCHANTERIC HEIGHT

TROCHANTERIC HEIGHT

ACROMIAL HEIGHT	69 .25	71 .25	73 .25	75 .25	77 .25	79 .25	81 .25	83 .25	85 .25	87 .25	89 .25	91 .25	93 .25	95 .25	97 .25	TOT ALS
151.25													1			1
149.25												1				1
147.25										1	2		1	4		8
145.25										1	1	3	6	2	1	14
143.25										9	11	8	7	1	1	37
141.25									5	22	22	13	2	1		65
139.25							2	7	30	47	30	11	3			130
137.25							4	28	40	58	25	3	1			159
135.25						9	18	57	82	43	8	1				218
133.25					4	12	46	74	60	23	6					225
131.25				2	3	39	83	97	45	9						278
129.25				1	23	76	98	63	17							278
127.25			2	7	40	79	52	12	1							193
125.25			6	15	59	42	15	5	1	1						144
123.25	1		9	22	31	18	2	1								84
121.25		3	8	22	12	5										50
119.25		2	5	5	3	1										16
117.25	1	1	1													3
115.25			1													1
TOTALS	2	6	32	74	175	281	320	344	281	214	105	40	21	8	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-ACROMIAL HEIGHT	131.86	5.48	1.112X + 39.928	2.74	0.866
X-TROCHANTERIC HGHT	82.67	4.27	0.675Y - 6.333	2.13	

A BIVARIATE FREQUENCY TABLE FOR
ACROMIAL HEIGHT AND BUTTOCK HEIGHT

BUTTOCK HEIGHT

ACROMIAL HEIGHT	65 .25	67 .25	69 .25	71 .25	73 .25	75 .25	77 .25	79 .25	81 .25	83 .25	85 .25	87 .25	89 .25	91 .25	93 .25	95 .25	97 .25	TOT ALS
151.25																1		1
149.25															1			1
147.25													3	1	2	2		8
145.25												1	4	2	4	2	1	14
143.25											3	6	14	12	2			37
141.25										2	12	23	14	13			1	65
139.25									2	14	34	50	21	9				130
137.25								1	11	28	57	44	16	1	1			159
135.25							1	9	21	63	86	32	4	2				218
133.25							3	17	50	86	49	17	3					225
131.25							17	43	96	80	36	5	1					278
129.25					1	4	37	90	90	46	9	1						278
127.25					5	10	49	76	42	9	2							193
125.25					6	27	55	41	12	3								144
123.25					8	29	28	12	6	1								84
121.25		1			9	24	10	5	1									50
119.25			2	2	4	5	3											16
117.25	1			2														3
115.25				1														1
TOTALS	1	1	2	5	33	99	203	294	331	332	288	179	80	40	10	5	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-ACROMIAL HEIGHT	131.86	5.48	1.131X + 38.877	2.80	0.859
X-BUTTOCK HEIGHT	82.21	4.16	0.653Y - 3.892	2.13	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
ACROMIAL HEIGHT AND GLUTEAL FURROW HEIGHT

GLUTEAL FURROW HEIGHT

ACROMIAL HEIGHT	59 .25	61 .25	63 .25	65 .25	67 .25	69 .25	71 .25	73 .25	75 .25	77 .25	79 .25	81 .25	83 .25	85 .25	87 .25	TOT ALS
151.25														1		1
149.25													1			1
147.25											3	3		2		8
145.25										1	4	1	2	5	1	14
143.25									2	8	16	8	3			37
141.25								2	14	16	17	13	3			65
139.25							1	20	24	45	34	4	2			130
137.25						3	8	35	35	52	23	3				159
135.25					4	2	28	54	72	42	13	3				218
133.25					4	12	49	75	61	22	2					225
131.25				1	11	32	78	97	48	11						278
129.25			1	1	20	82	93	61	19	1						278
127.25			1	7	31	66	65	19	4							193
125.25			2	14	34	59	26	9								144
123.25			5	16	27	29	7									84
121.25	1		3	13	24	9										50
119.25	1	1	1	6	4	2	1									16
117.25	1	2														3
115.25		1														1
TOTALS	3	4	13	58	159	296	356	372	279	198	112	35	11	8	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-ACROMIAL HEIGHT	131.86	5.48	1.145X	+	48.618	3.07	0.828
X-GLUTEAL FURROW HGT	72.70	3.96	0.599Y	-	6.283	2.22	

A BIVARIATE FREQUENCY TABLE FOR
ACROMIAL HEIGHT AND TIBIALE HEIGHT

TIBIALE HEIGHT

ACROMIAL HEIGHT	33 .75	34 .75	35 .75	36 .75	37 .75	38 .75	39 .75	40 .75	41 .75	42 .75	43 .75	44 .75	45 .75	46 .75	47 .75	48 .75	49 .75	TOT ALS
151.25													1					1
149.25																1		1
147.25												1			3	2	2	8
145.25										1		1	3	3	3	3		14
143.25										2	2	10	7	9	3	2	2	37
141.25									1	8	13	10	11	15	5	1	1	65
139.25								1	8	17	36	29	21	13	4	1		130
137.25							1	9	20	38	32	36	17	7	3			159
135.25							7	13	44	49	53	38	13	1				218
133.25				1	1	1	9	34	67	47	39	18	7	1				225
131.25				1	3	8	25	61	77	61	34	7	1					278
129.25				1	3	19	48	86	54	49	13	5						278
127.25					11	27	56	49	37	9	3	1						193
125.25				4	15	43	33	32	11	5	1							144
123.25			1	2	20	23	22	9	6	1								84
121.25		1	3	9	13	11	6	6	1									50
119.25			1	3	5	7												16
117.25	1		2															3
115.25					1													1
TOTALS	1	1	7	21	72	139	207	300	426	287	226	156	77	49	21	10	5	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-ACROMIAL HEIGHT	131.86	5.48	1.839X	+	54.654	3.30	0.798
X-TIBIALE HEIGHT	41.98	2.38	0.346Y	-	3.641	1.43	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
ACROMIAL HEIGHT AND CROTCH HEIGHT

CROTCH HEIGHT

ACROMIAL HEIGHT	61 .25	63 .25	65 .25	67 .25	69 .25	71 .25	73 .25	75 .25	77 .25	79 .25	81 .25	83 .25	85 .25	87 .25	TOT ALS
151.25													1		1
149.25												1			1
147.25											2	2	1	3	8
145.25										1	1	4	4	4	14
143.25								1	2	7	9	16		2	37
141.25									10	23	19	12	1		65
139.25							1	15	32	42	32	6	2		130
137.25						1	6	28	53	49	17	5			159
135.25						3	19	73	84	28	11				218
133.25				1	1	11	57	92	39	20	4				225
131.25					6	43	96	87	41	5					278
129.25				3	24	72	100	69	8	2					278
127.25			1	8	40	79	51	12	2						193
125.25			2	18	52	44	25	3							144
123.25			4	25	32	18	5								84
121.25	1	1	7	18	14	9									50
119.25		2	5	6	3										16
117.25	1	1	1												3
115.25			1												1
TOTALS	2	4	21	79	172	280	360	380	271	177	95	46	9	9	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-ACROMIAL HEIGHT	131.86	5.48	1.176X	+	44.243	2.75	0.865
X-CROTCH HEIGHT	74.50	4.03	0.636Y	-	9.359	2.02	

A BIVARIATE FREQUENCY TABLE FOR
SUPRASTERNALE HEIGHT AND BUSTPOINT HEIGHT

BUSTPOINT HEIGHT

SUPRASTERNALE HEIGHT	101 .25	103 .25	105 .25	107 .25	109 .25	111 .25	113 .25	115 .25	117 .25	119 .25	121 .25	123 .25	125 .25	127 .25	129 .25	131 .25	133 .25	135 .25	137 .25	TOT ALS
151.25																		1		1
149.25																				0
147.25																3	4	2	1	10
145.25													1		2	7	2	2		14
143.25													1	8	10	4				23
141.25												3	18	21	20	2				64
139.25									1	9	30	59	25	7						131
137.25									13	39	68	35	9	2						166
135.25								2	12	54	95	56	8							227
133.25								10	50	109	57	16	2							244
131.25							9	59	116	83	22									289
129.25						3	43	105	79	23	1									254
127.25					3	25	87	73	14											202
125.25				5	16	53	56	23	4											157
123.25				9	27	21	12	1												70
121.25		1	2	11	16	5	2													37
119.25		1	2	6	4															13
117.25	1		2																	3
TOTALS	1	2	6	31	66	107	209	273	275	283	223	173	124	63	41	16	6	5	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-SUPRASTERNALE HGHT	132.00	5.30	0.958X	+	18.652	1.78	0.942
X-BUSTPOINT HEIGHT	118.32	5.21	0.926Y	-	3.914	1.75	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
SUPRASTERNALE HEIGHT AND WAIST HEIGHT

WAIST HEIGHT

SUPRASTERNALE HEIGHT	87 .25	89 .25	91 .25	93 .25	95 .25	97 .25	99 .25	101 .25	103 .25	105 .25	107 .25	109 .25	111 .25	113 .25	115 .25	TOT ALS
151.25													1			1
149.25																0
147.25												1	4	2	3	10
145.25											2	5	4	2	1	14
143.25										1	8	9	4	1		23
141.25									1	9	27	18	8	1		64
139.25								4	23	52	46	6				131
137.25						1	1	10	71	56	25	2				166
135.25						3	11	62	116	29	5	1				227
133.25						14	59	104	62	5						244
131.25				1	8	47	123	83	26	1						289
129.25			1	2	25	90	103	32	1							254
127.25				9	81	91	19	2								202
125.25			6	50	73	24	4									157
123.25	1	2	13	38	13	3										70
121.25		4	11	20	2											37
119.25	1	5	4	2	1											13
117.25	1	2														3
TOTALS	3	13	35	122	203	273	320	297	300	153	113	42	21	6	4	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-SUPRASTERNALE HGHT	132.00	5.30	1.097X	+	21.996	1.94	0.931
X-WAIST HEIGHT	100.28	4.50	0.790Y	-	4.002	1.65	

A BIVARIATE FREQUENCY TABLE FOR
SUPRASTERNALE HEIGHT AND ABDOMINAL EXTENSION HEIGHT

ABDOMINAL EXTENSION HEIGHT

SUPRASTERNALE HEIGHT	79 .25	81 .25	83 .25	85 .25	87 .25	89 .25	91 .25	93 .25	95 .25	97 .25	99 .25	101 .25	103 .25	105 .25	107 .25	TOT ALS
151.25														1		1
149.25																0
147.25												1	1	6	2	10
145.25											3	3	2	5	1	14
143.25										2	3	9	7	2		23
141.25									1	8	20	19	15	1		64
139.25								2	11	42	50	24	2			131
137.25							1	10	38	70	38	8	1			166
135.25							9	44	89	61	23	1				227
133.25						4	41	92	78	28	1					244
131.25					2	22	90	119	48	7	1					289
129.25				1	12	57	119	58	6	1						254
127.25			2	11	34	84	61	10								202
125.25			3	21	66	56	10	1								157
123.25	1		6	18	39	6										70
121.25			11	14	11	1										37
119.25	1	1	5	4	2											13
117.25	1	2														3
TOTALS	3	3	27	69	166	230	331	336	271	219	139	65	28	15	3	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-SUPRASTERNALE HGHT	132.00	5.30	1.098X	+	29.721	2.13	0.916
X-ABDOMINAL EXT HGT	93.15	4.42	0.764Y	-	7.697	1.78	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
SUPRASTERNALE HEIGHT AND TROCHANTERIC HEIGHT

TROCHANTERIC HEIGHT

SUPRASTERNALE HEIGHT	69 .25	71 .25	73 .25	75 .25	77 .25	79 .25	81 .25	83 .25	85 .25	87 .25	89 .25	91 .25	93 .25	95 .25	97 .25	TOT ALS
151.25													1			1
149.25																0
147.25											1	1	3	5		10
145.25										2	2	2	6	1	1	14
143.25										3	7	12			1	23
141.25									2	17	22	14	7	2		64
139.25								9	28	47	38	5	4			131
137.25							6	16	46	71	22	5				166
135.25						5	18	72	74	46	12					227
133.25					3	16	49	86	70	18	1	1				244
131.25				1	5	40	91	95	48	9						289
129.25				2	25	73	93	49	11	1						254
127.25			2	8	51	77	49	13	2							202
125.25	1		7	26	51	55	13	4								157
123.25			9	19	27	14	1									70
121.25		3	10	12	11	1										37
119.25		2	3	6	2											13
117.25	1	1	1													3
TOTALS	2	6	32	74	175	281	320	344	281	214	105	40	21	8	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-SUPRASTERNALE HGHT	132.00	5.30	1.086X	+	42.219	2.58	0.874
X-TROCHANTERIC HGHT	82.67	4.27	0.704Y	-	10.257	2.07	

A BIVARIATE FREQUENCY TABLE FOR
SUPRASTERNALE HEIGHT AND BUTTOCK HEIGHT

BUTTOCK HEIGHT

SUPRASTERNALE HEIGHT	65 .25	67 .25	69 .25	71 .25	73 .25	75 .25	77 .25	79 .25	81 .25	83 .25	85 .25	87 .25	89 .25	91 .25	93 .25	95 .25	97 .25	TOT ALS
151.25																1		1
149.25																		0
147.25													2	1	3	3	1	10
145.25												2	4	3	4	1		14
143.25										1	1	3	9	8	1			23
141.25											7	17	17	21	1		1	64
139.25									1	13	36	50	27	3	1			131
137.25								2	7	25	62	56	12	2				166
135.25							1	7	16	73	89	34	5	2				227
133.25							5	16	64	87	57	13	2					244
131.25						1	17	48	100	69	28	4	2					289
129.25					1	4	32	93	82	34	8							254
127.25					3	15	51	79	44	10								202
125.25					8	33	66	36	14									157
123.25					9	26	22	11	2									70
121.25		1		1	8	16	8	2	1									37
119.25			2	2	4	4	1											13
117.25	1			2														3
TOTALS	1	1	2	5	33	99	203	294	331	332	288	179	80	40	10	5	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-SUPRASTERNALE HGHT	132.00	5.30	1.106X	+	41.074	2.63	0.868
X-BUTTOCK HEIGHT	82.21	4.16	0.682Y	-	7.812	2.06	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
SUPRASTERNALE HEIGHT AND GLUTEAL FURROW HEIGHT

GLUTEAL FURROW HEIGHT

SUPRASTERNALE HEIGHT	59 .25	61 .25	63 .25	65 .25	67 .25	69 .25	71 .25	73 .25	75 .25	77 .25	79 .25	81 .25	83 .25	85 .25	87 .25	TOT ALS
151.25														1		1
149.25																0
147.25											1	3	2	4		10
145.25									1	1	5	2	1	3	1	14
143.25									2	1	12	7	1			23
141.25								2	7	18	19	12	6			64
139.25								15	26	51	36	2	1			131
137.25						2	8	34	39	47	29	7				166
135.25					2	4	29	66	74	44	6	2				227
133.25					4	16	51	79	63	27	4					244
131.25					9	35	90	95	52	8						289
129.25				4	28	66	90	53	12	1						254
127.25			1	6	28	89	53	22	3							202
125.25			4	15	43	61	29	5								157
123.25			5	17	26	17	4	1								70
121.25	1		1	11	17	5	2									37
119.25	1	2	2	5	2	1										13
117.25	1	2														3
TOTALS	3	4	13	58	159	296	356	372	279	198	112	35	11	8	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-SUPRASTERNALE HGHT	132.00	5.30	1.119X	+	50.649	2.91	0.836
X-GLUTEAL FURROW HGT	72.70	3.96	0.625Y	-	9.800	2.17	

A BIVARIATE FREQUENCY TABLE FOR
SUPRASTERNALE HEIGHT AND TIBIALE HEIGHT

TIBIALE HEIGHT

SUPRASTERNALE HEIGHT	33 .75	34 .75	35 .75	36 .75	37 .75	38 .75	39 .75	40 .75	41 .75	42 .75	43 .75	44 .75	45 .75	46 .75	47 .75	48 .75	49 .75	TOT ALS
151.25													1					1
149.25																		0
147.25														1	2	5	2	10
145.25												3	2	4	4	1		14
143.25										1		5	5	4	4	2	2	23
141.25										5	9	10	15	16	6	2	1	64
139.25							1	1	7	15	34	33	22	16	2			131
137.25							1	6	26	35	36	41	12	6	3			166
135.25					1	1	2	18	42	62	57	28	14	2				227
133.25					1	1	10	33	72	53	44	26	4					244
131.25				2		7	25	72	76	68	31	6	2					289
129.25					6	23	45	68	61	34	13	4						254
127.25				1	10	34	61	58	26	10	2							202
125.25			1	3	22	42	44	31	11	3								157
123.25			2	5	19	13	15	11	4	1								70
121.25		1	1	6	10	14	2	2	1									37
119.25			2	4	2	4	1											13
117.25	1		1		1													3
TOTALS	1	1	7	21	72	139	207	300	326	287	226	156	77	49	21	10	5	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-SUPRASTERNALE HGHT	132.00	5.30	1.805X	+	56.223	3.12	0.809
X-TIBIALE HEIGHT	41.98	2.38	0.363Y	-	5.934	1.40	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
SUPRASTERNALE HEIGHT AND CROTCH HEIGHT

CROTCH HEIGHT

SUPRASTERNALE HEIGHT	61 .25	63 .25	65 .25	67 .25	69 .25	71 .25	73 .25	75 .25	77 .25	79 .25	81 .25	83 .25	85 .25	87 .25	TOT ALS
151.25													1		1
149.25															0
147.25												3	3	4	10
145.25										1	2	6	2	3	14
143.25										5	5	10	2	1	23
141.25								1	4	16	26	16		1	64
139.25								7	38	46	35	4	1		131
137.25							7	28	51	56	17	7			166
135.25						1	23	78	89	28	8				227
133.25				1	1	15	51	105	50	19	2				244
131.25					5	37	115	96	30	6					289
129.25				1	24	78	88	55	8						254
127.25				10	48	81	54	8	1						202
125.25			4	26	53	51	21	2							157
123.25			4	24	29	12	1								70
121.25	1	1	8	12	10	5									37
119.25		3	3	5	2										13
117.25	1		2												3
TOTALS	2	4	21	79	172	280	360	380	271	177	95	46	9	9	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-SUPRASTERNALE HGHT	132.00	5.30	1.158X	+	45.725	2.52	0.880
X-CROTCH HEIGHT	74.50	4.03	0.669Y	-	13.805	1.91	

A BIVARIATE FREQUENCY TABLE FOR
BUSTPOINT HEIGHT AND WAIST HEIGHT

WAIST HEIGHT

BUSTPOINT HEIGHT	87 .25	89 .25	91 .25	93 .25	95 .25	97 .25	99 .25	101 .25	103 .25	105 .25	107 .25	109 .25	111 .25	113 .25	115 .25	TOT ALS
137.25														1		1
135.25												1	3		1	5
133.25												3	2		1	6
131.25										1	2	1	6	4	2	16
129.25									2	6	17	11	5			41
127.25								1	6	16	24	11	4	1		63
125.25								6	27	44	37	9	1			124
123.25							4	22	75	47	21	4				173
121.25						8	24	63	87	28	11	2				223
119.25					5	17	79	98	75	8	1					283
117.25					17	54	107	74	21	2						275
115.25			3	11	49	96	76	30	7	1						273
113.25				23	80	77	26	3								209
111.25			7	40	37	19	4									107
109.25	1	7	16	29	12	1										66
107.25		3	6	18	3	1										31
105.25		3	2	1												6
103.25	1		1													2
101.25	1															1
TOTALS	3	13	35	122	203	273	320	297	300	153	113	42	21	6	4	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-BUSTPOINT HEIGHT	118.32	5.21	1.040X	+	14.029	2.30	0.897
X-WAIST HEIGHT	100.28	4.50	0.774Y	+	8.700	1.99	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
BUSTPOINT HEIGHT AND ABDOMINAL EXTENSION HEIGHT

ABDOMINAL EXTENSION HEIGHT

BUSTPOINT HEIGHT	79 .25	81 .25	83 .25	85 .25	87 .25	89 .25	91 .25	93 .25	95 .25	97 .25	99 .25	101 .25	103 .25	105 .25	107 .25	TOT ALS
137.25														1		1
135.25												1		3	1	5
133.25												1	2	2	1	6
131.25										1	2	2	4	6	1	16
129.25										6	10	11	13	1		41
127.25									2	8	30	14	7	2		63
125.25							1	2	16	35	44	25	1			124
123.25							1	17	45	74	29	6	1			173
121.25						2	16	48	74	58	20	5				223
119.25						8	60	98	84	31	2					283
117.25					8	30	92	102	37	4	2					275
115.25				8	20	83	95	53	12	2						273
113.25			1	19	45	77	51	15	1							209
111.25			6	12	52	21	15	1								107
109.25	1		10	13	35	7										66
107.25		1	7	15	6	2										31
105.25		2	2	2												6
103.25	1		1													2
101.25	1															1
TOTALS	3	3	27	69	166	230	331	336	271	219	139	65	28	15	3	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-BUSTPOINT HEIGHT	118.32	5.21	1.053X	+	20.230	2.35	0.893
X-ABDOMINAL EXT HGT	93.15	4.42	0.758Y	+	3.466	1.99	

A BIVARIATE FREQUENCY TABLE FOR
BUSTPOINT HEIGHT AND TROCHANTERIC HEIGHT

TROCHANTERIC HEIGHT

BUSTPOINT HEIGHT	69 .25	71 .25	73 .25	75 .25	77 .25	79 .25	81 .25	83 .25	85 .25	87 .25	89 .25	91 .25	93 .25	95 .25	97 .25	TOT ALS
137.25														1		1
135.25													3	2		5
133.25											1	1	2	2		6
131.25										3	3	3	5	1	1	16
129.25									4	10	11	10	4	2		41
127.25									5	21	18	13	5		1	63
125.25								7	24	48	33	10	2			124
123.25							6	36	52	57	19	3				173
121.25					1	7	28	63	70	39	15					223
119.25					2	23	57	100	70	27	4					283
117.25				1	9	50	93	78	37	6	1					275
115.25			2	4	41	81	84	42	16	3						273
113.25			3	13	55	75	43	17	3							209
111.25			5	20	38	34	9	1								107
109.25		1	13	22	22	8										66
107.25	1	1	6	13	7	3										31
105.25		4	2													6
103.25			1	1												2
101.25	1															1
TOTALS	2	6	32	74	175	281	320	344	281	214	105	40	21	8	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-BUSTPOINT HEIGHT	118.32	5.21	1.046X	+	31.843	2.70	0.856
X-TROCHANTERIC HGHT	82.67	4.27	0.701Y	-	0.269	2.21	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
BUSTPOINT HEIGHT AND BUTTOCK HEIGHT

BUTTOCK HEIGHT

BUSTPOINT HEIGHT	65 .25	67 .25	69 .25	71 .25	73 .25	75 .25	77 .25	79 .25	81 .25	83 .25	85 .25	87 .25	89 .25	91 .25	93 .25	95 .25	97 .25	TOTALS
137.25														1				1
135.25													1		1	3		5
133.25													3		2	1		6
131.25												1	5	3	5	1	1	16
129.25										2	4	11	6	17			1	41
127.25								1		3	10	18	17	13	1			63
125.25										10	41	48	20	4	1			124
123.25								3	13	38	54	49	16					173
121.25							2	13	25	65	79	30	7	2				223
119.25							9	22	73	90	73	14	2					283
117.25					1	2	16	63	89	80	14	8	2					275
115.25					1	11	44	96	75	33	12		1					273
113.25					5	18	67	64	44	10	1							209
111.25					9	25	39	22	11	1								107
109.25			1		10	26	20	8	1									66
107.25		1	1	1	5	16	5	2										31
105.25				3	1	1	1											6
103.25				1	1													2
101.25	1																	1
TOTALS	1	1	2	5	33	99	203	294	331	332	288	179	80	40	10	5	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-BUSTPOINT HEIGHT	118.32	5.21	1.057X	+	31.420	2.80	0.844
X-BUTTOCK HEIGHT	82.21	4.16	0.674Y	+	2.466	2.23	

A BIVARIATE FREQUENCY TABLE FOR
BUSTPOINT HEIGHT AND GLUTEAL FURROW HEIGHT

GLUTEAL FURROW HEIGHT

BUSTPOINT HEIGHT	59 .25	61 .25	63 .25	65 .25	67 .25	69 .25	71 .25	73 .25	75 .25	77 .25	79 .25	81 .25	83 .25	85 .25	87 .25	TOTALS
137.25														1		1
135.25											2			3		5
133.25											1	3		2		6
131.25									1		5	3	4	2	1	16
129.25								1	4	6	15	9	6			41
127.25								3	6	16	27	11				63
125.25								14	25	52	28	4	1			124
123.25						1	10	33	57	48	22	2				173
121.25					5	7	23	61	77	39	9	2				223
119.25					3	14	69	109	61	24	2	1				283
117.25					11	46	92	80	33	12	1					275
115.25				6	27	89	88	50	12	1						273
113.25			1	12	40	78	55	20	3							209
111.25			5	11	38	35	17	1								107
109.25	1		5	12	22	25	1									66
107.25	1		1	14	13	1	1									31
105.25		3	1	2												6
103.25		1		1												2
101.25	1															1
TOTALS	3	4	13	58	159	296	356	372	279	198	112	35	11	8	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-BUSTPOINT HEIGHT	118.32	5.21	1.101X	+	38.275	2.86	0.837
X-GLUTEAL FURROW HGT	72.70	3.96	0.636Y	-	2.550	2.17	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
BUSTPOINT HEIGHT AND TIBIALE HEIGHT

TIBIALE HEIGHT

BUSTPOINT HEIGHT	33 .75	34 .75	35 .75	36 .75	37 .75	38 .75	39 .75	40 .75	41 .75	42 .75	43 .75	44 .75	45 .75	46 .75	47 .75	48 .75	49 .75	TOT ALS
137.25														1				1
135.25													3		1	1		5
133.25															1	3	2	6
131.25										1		3	1	5	4	2		16
129.25										2	4	6	11	10	5	2	1	41
127.25							1		1	5	13	14	13	11	2	1	2	63
125.25									11	19	24	37	16	9	7	1		124
123.25							2	9	28	42	39	32	10	11				173
121.25				1			4	22	47	50	57	27	13	1	1			223
119.25						3	17	44	76	64	49	22	8					283
117.25					3	19	29	59	68	58	24	12	2	1				275
115.25				1	9	25	55	78	56	31	15	3						273
113.25				2	18	37	53	60	28	11								209
111.25			2	4	15	25	29	19	9	3	1							107
109.25			3	4	13	20	16	8	1	1								66
107.25		1		7	12	8	1	1	1									31
105.25			1	1	2	2												6
103.25			1	1														2
101.25	1																	1
TOTALS	1	1	7	21	72	139	207	300	326	287	226	156	77	49	21	10	5	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-BUSTPOINT HEIGHT	118.32	5.21	1.724X	+	45.941	3.22	0.786
X-TIBIALE HEIGHT	41.98	2.38	0.358Y	-	0.376	1.47	

A BIVARIATE FREQUENCY TABLE FOR
BUSTPOINT HEIGHT AND CROTCH HEIGHT

CROTCH HEIGHT

BUSTPOINT HEIGHT	61 .25	63 .25	65 .25	67 .25	69 .25	71 .25	73 .25	75 .25	77 .25	79 .25	81 .25	83 .25	85 .25	87 .25	TOT ALS
137.25													1		1
135.25												1	3	1	5
133.25												3		3	6
131.25										3	1	6	3	3	16
129.25								1	3	7	15	13	1	1	41
127.25								1	9	19	23	10		1	63
125.25							1	7	33	41	33	8	1		124
123.25						2	8	43	57	47	13	3			173
121.25						3	31	69	78	33	7	2			223
119.25				1		19	70	112	58	21	2				283
117.25					9	52	92	89	27	5	1				275
115.25			2	3	41	74	98	48	6	1					273
113.25				16	51	86	47	9							209
111.25			4	20	37	33	12	1							107
109.25		1	7	26	23	8	1								66
107.25	1		5	11	11	3									31
105.25		1	3	2											6
103.25		2													2
101.25	1														1
TOTALS	2	4	21	79	172	280	360	380	271	177	95	46	9	9	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-BUSTPOINT HEIGHT	118.32	5.21	1.115X	+	35.246	2.64	0.862
X-CROTCH HEIGHT	74.50	4.93	0.666Y	-	4.296	2.04	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
WAIST HEIGHT AND ABDOMINAL EXTENSION HEIGHT

ABDOMINAL EXTENSION HEIGHT

WAIST HEIGHT	79 .25	81 .25	83 .25	85 .25	87 .25	89 .25	91 .25	93 .25	95 .25	97 .25	99 .25	101 .25	103 .25	105 .25	107 .25	TOT ALS
115.25														1	3	4
113.25													2	4		6
111.25											1	4	9	7		21
109.25										2	10	16	11	3		42
107.25									3	19	49	36	6			113
105.25								4	15	71	54	9				153
103.25							5	40	117	114	24					300
101.25						4	37	131	111	13	1					297
99.25					5	24	134	133	24							320
97.25				2	16	95	133	26	1							273
95.25			3	16	65	95	22	2								203
93.25			6	33	71	12										122
91.25			10	16	9											35
89.25		3	8	2												13
87.25	3															3
TOTALS	3	3	27	69	166	230	331	336	271	219	139	65	28	15	3	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-WAIST HEIGHT	100.28	4.50	0.963X	+	10.574	1.45	0.947
X-ABDOMINAL EXT HGT	93.15	4.42	0.931Y	-	0.208	1.42	

A BIVARIATE FREQUENCY TABLE FOR
WAIST HEIGHT AND TROCHANTERIC HEIGHT

TROCHANTERIC HEIGHT

WAIST HEIGHT	69 .25	71 .25	73 .25	75 .25	77 .25	79 .25	81 .25	83 .25	85 .25	87 .25	89 .25	91 .25	93 .25	95 .25	97 .25	TOT ALS
115.25													2	1	1	4
113.25											1		3	1	1	6
111.25										1		8	6	6		21
109.25									1	6	14	15	6			42
107.25								2	9	45	43	11	3			113
105.25							1	13	40	69	26	4				153
103.25						2	9	78	116	73	19	2	1			300
101.25					2	15	65	126	72	15	2					297
99.25				1	9	57	126	93	29	5						320
97.25				5	29	114	90	23	12							273
95.25			4	20	74	69	25	9	2							203
93.25		1	11	32	54	20	4									122
91.25	1	1	11	13	5	4										35
89.25		4	5	3	1											13
87.25	1		1		1											3
TOTALS	2	6	32	74	175	281	320	344	281	214	105	40	21	8	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-WAIST HEIGHT	100.28	4.50	0.945X	+	22.153	1.99	0.896
X-TROCHANTERIC HGHT	82.67	4.27	0.850Y	-	2.564	1.89	

A BIVARIATE FREQUENCY TABLE FOR
WAIST HEIGHT AND GLUTEAL FURROW HEIGHT

GLUTEAL FURROW HEIGHT

WAIST HEIGHT	59 .25	61 .25	63 .25	65 .25	67 .25	69 .25	71 .25	73 .25	75 .25	77 .25	79 .25	81 .25	83 .25	85 .25	87 .25	TOT ALS
115.25												1		2	1	4
113.25											1	2	2	1		6
111.25											6	7	4	4		21
109.25								1	1	8	18	9	4	1		42
107.25							2	4	23	31	39	13	1			113
105.25						1	1	26	31	66	26	2				153
103.25						1	32	75	100	70	22					300
101.25					3	19	65	104	88	17		1				297
99.25					14	51	115	102	33	5						320
97.25			1	4	29	99	89	48	2	1						273
95.25			3	13	47	86	43	10	1							203
93.25			4	23	54	31	8	2								122
91.25			3	15	9	7	1									35
89.25	2	3	1	3	3	1										13
87.25	1	1	1													3
TOTALS	3	4	13	58	159	296	356	372	279	198	112	35	11	8	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-WAIST HEIGHT	100.28	4.50	0.981X	+	28.959	2.26	0.864
X-GLUTEAL FURROW HGT	72.70	3.96	0.761Y	-	3.611	1.99	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
WAIST HEIGHT AND BUTTOCK HEIGHT

BUTTOCK HEIGHT

WAIST HEIGHT	65 .25	67 .25	69 .25	71 .25	73 .25	75 .25	77 .25	79 .25	81 .25	83 .25	85 .25	87 .25	89 .25	91 .25	93 .25	95 .25	97 .25	TOT ALS
115.25													1		1	2		4
113.25														3	2		1	6
111.25												1	5	6	5	3	1	21
109.25											5	8	14	14	1			42
107.25										5	20	41	32	14	1			113
105.25								1	1	20	51	61	17	2				153
103.25								3	26	79	127	56	8	1				300
101.25							6	28	65	121	64	10	3					297
99.25						3	18	74	132	78	13	2						320
97.25					2	4	55	103	77	24	8							273
95.25					6	29	70	67	26	5								203
93.25					14	42	45	17	4									122
91.25				1	6	19	8	1										35
89.25		1	2	3	5	1	1											13
87.25	1			1		1												3
TOTALS	1	1	2	5	33	99	203	294	331	332	288	179	80	40	10	5	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-WAIST HEIGHT	100.28	4.50	0.961X	+	21.272	2.06	0.890
X-BUTTOCK HEIGHT	82.21	4.16	0.823Y	-	0.317	1.90	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
WAIST HEIGHT AND TIBIALE HEIGHT

TIBIALE HEIGHT

WAIST HEIGHT	33 .75	34 .75	35 .75	36 .75	37 .75	38 .75	39 .75	40 .75	41 .75	42 .75	43 .75	44 .75	45 .75	46 .75	47 .75	48 .75	49 .75	TOT ALS
115.25															2	2		4
113.25													1	3	1		1	6
111.25												2	7	5	3	3	1	21
109.25										3	2	11	7	8	5	3	3	42
107.25										11	24	28	21	18	9	2		113
105.25								2	10	28	40	42	22	9				153
103.25							2	13	58	78	81	49	14	4	1			300
101.25						4	11	54	86	70	46	19	5	2				297
99.25					2	8	48	79	87	63	30	3						320
97.25				2	7	33	59	78	60	29	3	2						273
95.25				2	16	52	55	53	21	4								203
93.25			2	8	31	28	31	18	3	1								122
91.25			1	8	12	9	1	3	1									35
89.25		1	3	1	3	5												13
87.25	1		1		1													3
TOTALS	1	1	7	21	72	139	207	300	326	287	226	156	77	49	21	10	5	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-WAIST HEIGHT	100.28	4.50	1.574X	+	34.198	2.50	0.831
X-TIBIALE HEIGHT	41.98	2.38	0.439Y	-	2.040	1.32	

A BIVARIATE FREQUENCY TABLE FOR
WAIST HEIGHT AND CROTCH HEIGHT

CROTCH HEIGHT

WAIST HEIGHT	61 .25	63 .25	65 .25	67 .25	69 .25	71 .25	73 .25	75 .25	77 .25	79 .25	81 .25	83 .25	85 .25	87 .25	TOT ALS
115.25													1	3	4
113.25												3	1	2	6
111.25											1	13	5	2	21
109.25									1	6	17	15	1	2	42
107.25									14	40	46	12	1		113
105.25							2	13	48	66	22	2			153
103.25							13	93	132	54	7	1			300
101.25						21	60	144	59	11	2				297
99.25				1	5	54	152	95	13						320
97.25				3	31	109	99	27	4						273
95.25			1	21	76	67	30	8							203
93.25			5	40	46	27	4								122
91.25		1	8	11	13	2									35
89.25	1	2	7	2	1										13
87.25	1	1		1											3
TOTALS	2	4	21	79	172	280	360	380	271	177	95	46	9	9	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-WAIST HEIGHT	100.28	4.50	1.015X	+	24.657	1.87	0.909
X-CROTCH HEIGHT	74.50	4.03	0.814Y	-	7.122	1.68	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
WAIST HEIGHT AND WAIST HEIGHT, SITTING

WAIST HEIGHT, SITTING

WAIST HEIGHT	18.00	18.50	19.00	19.50	20.00	20.50	21.00	21.50	22.00	22.50	23.00	23.50	24.00	24.50	25.00	25.50	26.00	26.50	27.00	27.50	28.00	28.50	29.00	TOTALS
115.25										1		1									2			4
113.25										1				1		1	2		1					6
111.25									1	1		3	4	3	2	1	1		3	2				21
109.25					1	1	1			1	2	2	5	6	4	7	5	4	2		1			42
107.25			1			2	2	2	8	6	11	10	20	11	11	9	7	6	3	2	1		1	113
105.25					1	5	2	1	9	9	14	17	14	27	23	9	6	6	7	2			1	153
103.25		1		1	5	2	5	16	23	25	27	27	32	46	38	22	14	5	4	6	1			300
101.25				2	5	2	8	19	29	23	31	38	25	32	30	23	15	8	2	3	1		1	297
99.25			1	2	5	6	15	18	29	35	46	44	43	30	19	12	8	3	3	1				320
97.25		2	3	1	6	13	17	31	32	21	27	31	33	21	18	9	5	1	2					273
95.25		2	2	3	7	8	18	21	27	27	26	24	19	11	3	1	2	1	1					203
93.25	1	1	4	1	7	7	12	12	17	17	9	13	16	1	1	1	1			1				122
91.25	2		1	1	5	3	4	5	2	4	4	3	1											35
89.25				1			2	3	2		2	2			1									13
87.25						2					1													3
TOTALS	3	6	12	12	42	51	86	128	179	171	200	215	212	189	150	95	66	34	28	17	6	0	3	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-WAIST HEIGHT	100.28	4.50	1.080X + 75.042	4.09	0.416
X-WAIST HGHT,SITTING	23.37	1.73	0.160Y + 7.323	1.58	

A BIVARIATE FREQUENCY TABLE FOR
WAIST HEIGHT AND CHEST CIRCUMFERENCE AT SCYE

CHEST CIRCUMFERENCE AT SCYE

WAIST HEIGHT	71.25	73.25	75.25	77.25	79.25	81.25	83.25	85.25	87.25	89.25	91.25	93.25	95.25	97.25	99.25	101.25	103.25	TOTALS
115.25							1	1				1		1				4
113.25						1	2	3										6
111.25			1		1	1	2	4	2	4	1		4			1		21
109.25					2	2	6	4	12	4	6	4	2					42
107.25			2	4	7	16	24	16	13	11	13	1	3	1	1	1		113
105.25				7	7	19	25	20	33	15	11	5	2	2	4	2	1	153
103.25		4	1	13	33	42	32	57	34	37	21	11	8	2	2	3		300
101.25		2	4	12	33	54	49	47	30	30	21	7	3	1	3	1		297
99.25		1	6	19	41	56	62	58	32	27	6	3	4	1	1	2	1	320
97.25		2	11	25	34	42	60	43	16	18	7	4	8	3				273
95.25		4	12	17	37	36	34	31	10	9	9	3	1					203
93.25	1	1	4	20	11	29	24	11	8	5	2	2	2	1	1			122
91.25		1	2	5	5	6	9	2	1	2		1		1				35
89.25				1	2	5	1	2	2									13
87.25		1			1								1					3
TOTALS	1	16	43	123	214	309	331	299	193	162	97	42	38	13	12	10	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-WAIST HEIGHT	100.28	4.50	0.243X + 79.806	4.33	0.268
X-CHEST CIRC AT SCYE	84.25	4.96	0.296Y + 54.566	4.78	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
WAIST HEIGHT AND UPPER THIGH CIRCUMFERENCE

UPPER THIGH CIRCUMFERENCE

WAIST HEIGHT	43 .25	45 .25	47 .25	49 .25	51 .25	53 .25	55 .25	57 .25	59 .25	61 .25	63 .25	65 .25	67 .25	69 .25	71 .25	TOT ALS
115.25				1				2						1		4
113.25		1			1	4										6
111.25					3	3	2	4	3	2	3	1				21
109.25				1	2	3	8	11	9	4	2	1	1			42
107.25		1	1	4	10	16	20	21	21	11	6	2				113
105.25		1	1	6	11	16	29	33	26	15	8	3	1	2	1	153
103.25	1	1	5	14	23	40	63	44	54	30	13	7	4		1	300
101.25		1	5	18	29	48	63	58	38	19	9	4	4	1		297
99.25	1	1	10	16	46	78	68	47	27	13	5	4		2	2	320
97.25	1	3	12	15	48	56	51	43	22	14	3	3	1	1		273
95.25		3	9	23	31	37	40	30	22	6		2				203
93.25	1	2	4	15	19	27	20	11	13	6	4					122
91.25		1	1	6	3	8	8	3	4		1					35
89.25				2	4	2	3		1		1					13
87.25			1	1						1						3
TOTALS	4	15	49	122	230	338	375	307	240	121	55	27	11	7	4	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-WAIST HEIGHT	100.28	4.50	0.269X + 85.356	4.35	0.252
X-UPPER THIGH CIRCUM	55.48	4.22	0.237Y + 31.709	4.08	

A BIVARIATE FREQUENCY TABLE FOR
WAIST HEIGHT AND KNEE CIRCUMFERENCE

KNEE CIRCUMFERENCE

WAIST HEIGHT	30 .75	31 .75	32 .75	33 .75	34 .75	35 .75	36 .75	37 .75	38 .75	39 .75	40 .75	41 .75	42 .75	43 .75	44 .75	45 .75	TOT ALS
115.25				1				1	1			1					4
113.25					2	1	2		1								6
111.25				1	2	4	3	2	3	4		2					21
109.25				1	4	5	8	6	8	5	2	3					42
107.25		1	1	3	10	17	22	28	12	11	6	2					113
105.25			2	8	9	23	28	33	23	12	8	6	1				153
103.25	1	2	7	24	41	43	59	43	41	18	13	4	2	1		1	300
101.25		4	7	30	43	45	64	45	26	15	9	5	3			1	297
99.25	2		21	42	60	70	54	31	17	12	4	3		3	1		320
97.25	1	16	16	42	45	45	50	29	14	7	2	2	2		2		273
95.25		6	22	33	52	40	25	15	8	2							203
93.25	3	6	19	15	22	26	10	7	9	3	1	1					122
91.25	1	3	4	7	5	5	3	3	3		1						35
89.25		1	3		6		2	1									13
87.25			1	1						1							3
TOTALS	8	39	103	208	301	324	330	244	166	90	46	29	8	4	3	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-WAIST HEIGHT	100.28	4.50	0.700X + 74.868	4.21	0.353
X-KNEE CIRCUMFERENCE	36.30	2.27	0.178Y + 18.452	2.12	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
WAIST HEIGHT AND CALF CIRCUMFERENCE, RIGHT

CALF CIRCUMFERENCE, RIGHT

WAIST HEIGHT	26 .75	27 .75	28 .75	29 .75	30 .75	31 .75	32 .75	33 .75	34 .75	35 .75	36 .75	37 .75	38 .75	39 .75	40 .75	41 .75	42 .75	43 .75	44 .75	TOT ALS
115.25					1					1	1		1							4
113.25						2	1		2	1										6
111.25					1	2	4	3	3	3	3	1	1							21
109.25					1	2	2	6	7	9	6	4	3	2						42
107.25				3	3	7	14	17	19	27	9	12	2							113
105.25		1			5	10	15	33	19	26	20	15	8	1						153
103.25	1	1		4	11	26	39	56	47	42	40	16	9	2	4	1			1	300
101.25			1	6	16	23	49	47	57	33	35	18	4	5	3					297
99.25			4	5	21	47	44	60	56	35	24	14	5	1	2	1		1		320
97.25		2	1	12	17	41	47	52	34	29	23	6	5	3	1					273
95.25				10	18	29	43	45	29	14	10	4	1							203
93.25			5	4	16	16	18	29	14	10	6	3		1						122
91.25			1	1	3	8	5	5	5	2	4	1								35
89.25					1	4	3	2	1	1	1									13
87.25							1	1			1									3
TOTALS	1	4	12	45	114	217	285	356	293	233	183	94	39	15	10	2	0	1	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-WAIST HEIGHT	100.28	4.50	0.494X + 83.412	4.36	0.247
X-CALF CIRCUM, RIGHT	34.14	2.25	0.123Y + 21.809	2.18	

A BIVARIATE FREQUENCY TABLE FOR
WAIST HEIGHT AND ANKLE CIRCUMFERENCE

ANKLE CIRCUMFERENCE

WAIST HEIGHT	17 .50	18 .00	18 .50	19 .00	19 .50	20 .00	20 .50	21 .00	21 .50	22 .00	22 .50	23 .00	23 .50	24 .00	24 .50	25 .00	25 .50	TOT ALS
115.25						1			1	1		1						4
113.25						2	1		2			1						6
111.25				1		2	4	1	3	3	3	1	1	1	1			21
109.25				1		2	2	5	7	9	5	4	5	2				42
107.25				3	5	11	14	20	20	15	10	6	8		1			113
105.25		1		3	3	10	24	19	19	25	19	18	5	2	3	2		153
103.25			4	9	15	28	34	51	40	50	23	23	10	7	4	2		300
101.25		1	4	9	21	40	32	52	47	35	18	16	10	10	1	1		297
99.25	1		6	19	19	37	46	64	37	43	26	7	9	2	1	1	2	320
97.25		2	5	14	28	39	35	49	35	28	12	12	9	2	2	1		273
95.25		2	9	11	29	44	30	28	23	16	4	4	3					203
93.25		3	8	12	16	14	18	24	10	10	4	2	1					122
91.25		1	2	3	5	5	5	9	1	3	1							35
89.25			1	1	2	1	4	1	2					1				13
87.25							2					1						3
TOTALS	1	10	39	86	143	236	251	323	247	238	125	96	61	27	13	7	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-WAIST HEIGHT	100.28	4.50	1.000X + 79.194	4.31	0.287
X-ANKLE CIRCUMFERNCE	21.09	1.29	0.082Y + 12.862	1.23	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
ABDOMINAL EXTENSION HEIGHT AND TROCHANTERIC HEIGHT

TROCHANTERIC HEIGHT

ABDOMINAL EXTENSION HEIGHT	69 .25	71 .25	73 .25	75 .25	77 .25	79 .25	81 .25	83 .25	85 .25	87 .25	89 .25	91 .25	93 .25	95 .25	97 .25	TOT ALS
107.25													1	1	1	3
105.25												5	5	4	1	15
103.25									1	2	5	9	8	3		28
101.25								1	1	15	29	13	6			65
99.25								5	23	63	39	9				139
97.25						1	4	28	76	82	23	4	1			219
95.25						5	30	95	92	42	7					271
93.25					3	32	97	133	63	6	2					336
91.25				2	19	94	124	65	23	4						331
89.25				7	58	95	54	14	2							230
87.25			7	35	66	46	10	2								166
85.25	1	2	12	22	23	7	1	1								69
83.25		3	11	7	5	1										27
81.25		1	1	1												3
79.25	1		1		1											3
TOTALS	2	6	32	74	175	281	320	344	281	214	105	40	21	8	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-ABDOMINAL EXT HGT	93.15	4.42	0.928X + 16.432	1.97	0.896
X-TROCHANTERIC HGHT	82.67	4.27	0.864Y + 2.189	1.90	

A BIVARIATE FREQUENCY TABLE FOR
ABDOMINAL EXTENSION HEIGHT AND BUTTOCK HEIGHT

BUTTOCK HEIGHT

ABDOMINAL EXTENSION HEIGHT	65 .25	67 .25	69 .25	71 .25	73 .25	75 .25	77 .25	79 .25	81 .25	83 .25	85 .25	87 .25	89 .25	91 .25	93 .25	95 .25	97 .25	TOT ALS
107.25															1	2		3
105.25													4	3	5	2	1	15
103.25												3	11	11	2		1	28
101.25										2	9	14	22	15	2	1		65
99.25										9	36	61	24	9				139
97.25								3	3	38	96	66	12	1				219
95.25							1	6	34	101	97	27	5					271
93.25							10	41	115	121	38	8	2	1				336
91.25						1	34	109	121	54	12							331
89.25					1	20	67	87	48	7								230
87.25					14	37	68	39	8									166
85.25					9	32	20	7	1									69
83.25			1	1	2	9	8	3	2	1								27
81.25				1	2													3
79.25	1				1		1											3
TOTALS	1	1	2	5	33	99	203	294	331	332	288	179	80	40	10	5	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-ABDOMINAL EXT HGT	93.15	4.42	0.950X + 15.050	1.98	0.895
X-BUTTOCK HEIGHT	82.21	4.16	0.842Y + 3.779	1.86	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
ABDOMINAL EXTENSION HEIGHT AND GLUTEAL FURROW HEIGHT

GLUTEAL FURROW HEIGHT

ABDOMINAL EXTENSION HEIGHT	59 .25	61 .25	63 .25	65 .25	67 .25	69 .25	71 .25	73 .25	75 .25	77 .25	79 .25	81 .25	83 .25	85 .25	87 .25	TOT ALS
107.25														2	1	3
105.25											3	4	3	5		15
103.25									1	2	9	10	6			28
101.25								3	4	14	28	13	2	1		65
99.25								12	30	54	36	7				139
97.25						1	8	40	70	68	31	1				219
95.25						7	38	80	98	44	4					271
93.25					9	22	99	132	59	14	1					336
91.25				1	15	87	128	83	15	2						331
89.25			2	11	40	96	62	17	2							230
87.25			2	19	58	66	16	5								166
85.25			4	16	29	15	5									69
83.25	2	1	4	10	8	2										27
81.25		2		1												3
79.25	1	1	1													3
TOTALS	3	4	13	58	159	296	356	372	279	198	112	35	11	8	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-ABDOMINAL EXT HGT	93.15	4.42	0.975X	+	22.268	2.15	0.874
X-GLUTEAL FURROW HGT	72.70	3.96	0.782Y	-	0.144	1.93	

A BIVARIATE FREQUENCY TABLE FOR
ABDOMINAL EXTENSION HEIGHT AND TIBIALE HEIGHT

TIBIALE HEIGHT

ABDOMINAL EXTENSION HEIGHT	33 .75	34 .75	35 .75	36 .75	37 .75	38 .75	39 .75	40 .75	41 .75	42 .75	43 .75	44 .75	45 .75	46 .75	47 .75	48 .75	49 .75	TOT ALS
107.25															2	1		3
105.25													4	3	2	4	2	15
103.25												4	8	9	3	2	2	28
101.25										3	9	16	11	15	8	2	1	65
99.25								1	4	21	28	41	27	12	4	1		139
97.25								3	29	55	64	42	17	7	2			219
95.25						2	11	20	62	65	66	34	9	2				271
93.25						6	18	70	101	84	37	18	1	1				336
91.25				1	4	17	61	96	83	48	21							331
89.25			1	1	10	47	59	67	35	8	1	1						230
87.25				6	25	41	49	32	10	3								166
85.25			2	7	22	17	8	11	2									69
83.25		1	2	6	8	9	1											27
81.25			1		2													3
79.25	1		1		1													3
TOTALS	1	1	7	21	72	139	207	300	326	287	226	156	77	49	21	10	5	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-ABDOMINAL EXT HGT	93.15	4.42	1.554X	+	27.911	2.43	0.835
X-TIBIALE HEIGHT	41.98	2.38	0.449Y	+	0.157	1.31	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
ABDOMINAL EXTENSION HEIGHT AND CROTCH HEIGHT

CROTCH HEIGHT

ABDOMINAL EXTENSION HEIGHT	61 .25	63 .25	65 .25	67 .25	69 .25	71 .25	73 .25	75 .25	77 .25	79 .25	81 .25	83 .25	85 .25	87 .25	TOT ALS
107.25														3	3
105.25											2	4	5	4	15
103.25										2	6	18	1	1	28
101.25									2	11	33	15	3	1	65
99.25							1	5	28	60	36	9			139
97.25							1	36	97	70	15				219
95.25						4	28	116	88	33	2				271
93.25					2	25	115	143	49	1	1				336
91.25				1	9	95	150	69	7						331
89.25				6	59	102	52	11							230
87.25			2	34	75	42	13								166
85.25			6	31	21	11									69
83.25	1	3	10	6	6	1									27
81.25			3												3
79.25	1	1		1											3
TOTALS	2	4	21	79	172	280	360	380	271	177	95	46	9	9	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-ABDOMINAL EXT HGT	93.15	4.42	1.008X	+	18.051	1.75	0.919
X-CROTCH HEIGHT	74.50	4.03	0.837Y	-	3.464	1.59	

A BIVARIATE FREQUENCY TABLE FOR
TROCHANTERIC HEIGHT AND BUTTOCK HEIGHT

BUTTOCK HEIGHT

TROCHANTERIC HEIGHT	65 .25	67 .25	69 .25	71 .25	73 .25	75 .25	77 .25	79 .25	81 .25	83 .25	85 .25	87 .25	89 .25	91 .25	93 .25	95 .25	97 .25	TOT ALS
97.25															2			2
95.25														3	3	2		8
93.25											1	2	4	8	1	3	2	21
91.25										1	1	10	13	12	3			40
89.25										4	23	38	27	12	1			105
87.25								2	4	25	78	75	25	5				214
85.25								6	33	91	97	43	11					281
83.25							6	34	99	127	69	9						344
81.25						2	31	81	120	66	18	2						320
79.25					2	10	74	116	60	18	1							281
77.25					10	36	67	47	15									175
75.25			1	1	12	34	18	8										74
73.25			1	2	8	15	6											32
71.25		1		2	1	1	1											6
69.25	1					1												2
TOTALS	1	1	2	5	33	99	203	294	331	332	288	179	80	40	10	5	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-TROCHANTERIC HGHT	82.67	4.27	0.906X	+	8.188	2.00	0.884
X-BUTTOCK HEIGHT	82.21	4.16	0.862Y	+	10.949	1.95	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
TROCHANTERIC HEIGHT AND GLUTEAL FURROW HEIGHT

GLUTEAL FURROW HEIGHT

TROCHANTERIC HEIGHT	59 .25	61 .25	63 .25	65 .25	67 .25	69 .25	71 .25	73 .25	75 .25	77 .25	79 .25	81 .25	83 .25	85 .25	87 .25	TOT ALS
97.25												1			1	2
95.25												3	1	4		8
93.25										2	7	5	4	3		21
91.25									1	7	16	11	4	1		40
89.25								7	19	37	28	12	2			105
87.25							9	26	57	71	49	2				214
85.25						5	35	91	84	56	9	1				281
83.25				1	3	26	85	124	82	20	3					344
81.25				2	18	65	110	91	29	5						320
79.25			1	7	44	105	86	31	7							281
77.25			5	15	55	70	28	2								175
75.25			3	16	29	23	3									74
73.25	1	2	3	14	10	2										32
71.25	1	2	1	2												6
69.25	1			1												2
TOTALS	3	4	13	58	159	296	356	372	279	198	112	35	11	8	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-TROCHANTERIC HGHT	82.67	4.27	0.927X	+	15.279	2.17	0.860
X-GLUTEAL FURROW HGT	72.70	3.96	0.799Y	+	6.646	2.02	

A BIVARIATE FREQUENCY TABLE FOR
TROCHANTERIC HEIGHT AND TIBIALE HEIGHT

TIBIALE HEIGHT

TROCHANTERIC HEIGHT	33 .75	34 .75	35 .75	36 .75	37 .75	38 .75	39 .75	40 .75	41 .75	42 .75	43 .75	44 .75	45 .75	46 .75	47 .75	48 .75	49 .75	TOT ALS
97.25															1		1	2
95.25													2	1	2	2	1	8
93.25											1	2	6	6	3	2	1	21
91.25										2		8	12	7	6	4	1	40
89.25									5	15	22	27	17	13	4	1	1	105
87.25								4	23	40	56	49	19	17	5	1		214
85.25						4	9	22	64	67	58	38	15	4				281
83.25					1	4	26	66	75	82	58	25	6	1				344
81.25				1	4	17	42	90	92	45	22	7						320
79.25			1	3	16	37	79	60	45	31	9							281
77.25				4	24	44	34	48	18	3								175
75.25			2	8	14	24	15	7	2	2								74
73.25			3	4	11	7	2	3	2									32
71.25		1	1	1	1	2												6
69.25	1				1													2
TOTALS	1	1	7	21	72	139	207	300	326	287	226	156	77	49	21	10	5	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-TROCHANTERIC HGHT	82.67	4.27	1.410X	+	23.477	2.64	0.785
X-TIBIALE HEIGHT	41.98	2.38	0.437Y	+	5.855	1.47	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
TROCHANTERIC HEIGHT AND CROTCH HEIGHT

CROTCH HEIGHT

TROCHANTERIC HEIGHT	61 .25	63 .25	65 .25	67 .25	69 .25	71 .25	73 .25	75 .25	77 .25	79 .25	81 .25	83 .25	85 .25	87 .25	TOT ALS
97.25														2	2
95.25												3	2	3	8
93.25										1	5	8	4	3	21
91.25									1	3	19	13	3	1	40
89.25								3	14	39	34	15			105
87.25							3	21	73	82	28	7			214
85.25						2	30	95	99	46	9				281
83.25					2	20	100	148	68	6					344
81.25				1	11	75	130	89	14						320
79.25				6	46	125	81	21	2						281
77.25			3	29	76	50	15	2							175
75.25		1	6	27	30	8	1	1							74
73.25		2	11	13	6										32
71.25	1	1	1	3											6
69.25	1				1										2
TOTALS	2	4	21	79	172	280	360	380	271	177	95	46	9	9	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-TROCHANTERIC HGHT	82.67	4.27	0.955X + 11.521	1.85	0.901
X-CROTCH HEIGHT	74.50	4.03	0.851Y + 4.150	1.74	

A BIVARIATE FREQUENCY TABLE FOR
BUTTOCK HEIGHT AND GLUTEAL FURROW HEIGHT

GLUTEAL FURROW HEIGHT

BUTTOCK HEIGHT	59 .25	61 .25	63 .25	65 .25	67 .25	69 .25	71 .25	73 .25	75 .25	77 .25	79 .25	81 .25	83 .25	85 .25	87 .25	TOT ALS
97.25													2			2
95.25														5		5
93.25											2	3	3	1	1	10
91.25									1	3	15	14	6	1		40
89.25								2	6	21	37	13		1		80
87.25							5	17	41	76	37	3				179
85.25							17	73	107	70	19	2				288
83.25						2	18	58	126	99	27	2				332
81.25					1	11	53	131	114	21						331
79.25					3	31	113	107	35	4	1					294
77.25				3	8	67	84	36	5							203
75.25				7	36	35	19	2								99
73.25				3	8	13	9									33
71.25			4		1											5
69.25	1				1											2
67.25	1															1
65.25	1															1
TOTALS	3	4	13	58	159	296	356	372	279	198	112	35	11	8	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-BUTTOCK HEIGHT	82.21	4.16	0.930X + 14.601	1.94	0.885
X-GLUTEAL FURROW HGT	72.70	3.96	0.842Y + 3.478	1.84	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
BUTTOCK HEIGHT AND TIBIALE HEIGHT

TIBIALE HEIGHT

BUTTOCK HEIGHT	33 .75	34 .75	35 .75	36 .75	37 .75	38 .75	39 .75	40 .75	41 .75	42 .75	43 .75	44 .75	45 .75	46 .75	47 .75	48 .75	49 .75	TOT ALS
97.25														1	1			2
95.25													1	1	1	2		5
93.25												1	2	1	2	2	2	10
91.25											3	6	9	13	6	2	1	40
89.25									1	7	14	19	12	14	8	3	2	80
87.25								1	10	33	41	49	27	15	2	1		179
85.25						1	5	14	52	76	72	45	20	3				288
83.25					1	6	14	45	83	80	65	30	6	1	1			332
81.25					2	15	41	97	96	52	24	4						331
79.25				1	8	31	69	82	64	31	6	2						294
77.25				6	27	39	54	51	17	8	1							203
75.25			3	7	25	35	18	9	2									99
73.25			1	7	6	11	6	1	1									33
71.25			2		2	1												5
69.25			1		1													2
67.25		1																1
65.25	1																	1
TOTALS	1	1	7	21	72	139	207	300	326	287	226	156	77	49	21	10	5	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-BUTTOCK HEIGHT	82.21	4.16	1.435X	+ 21.968	2.39	0.819
X-TIBIALE HEIGHT	41.98	2.38	0.468Y	+ 3.507	1.36	

A BIVARIATE FREQUENCY TABLE FOR
BUTTOCK HEIGHT AND CROTCH HEIGHT

CROTCH HEIGHT

BUTTOCK HEIGHT	61 .25	63 .25	65 .25	67 .25	69 .25	71 .25	73 .25	75 .25	77 .25	79 .25	81 .25	83 .25	85 .25	87 .25	TOT ALS
97.25												1		1	2
95.25													3	2	5
93.25											1	5		4	10
91.25										2	14	20	3	1	40
89.25								1	8	24	30	13	3	1	80
87.25								12	46	81	35	5			179
85.25						1	12	86	116	57	14	2			288
83.25					2	13	69	161	74	12	1				332
81.25			1		3	58	162	84	22	1					331
79.25			1	4	41	122	91	30	5						294
77.25			1	24	77	70	26	5							203
75.25			8	35	40	15		1							99
73.25		1	6	16	9	1									33
71.25		2	3												5
69.25		1	1												2
67.25	1														1
65.25	1														1
TOTALS	2	4	21	79	172	280	360	380	271	177	95	46	9	9	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-BUTTOCK HEIGHT	82.21	4.16	0.937X	+ 12.402	1.76	0.907
X-CROTCH HEIGHT	74.50	4.03	0.878Y	+ 2.322	1.70	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
GLUTEAL FURROW HEIGHT AND TIBIALE HEIGHT

TIBIALE HEIGHT

GLUTEAL FURROW HEIGHT	33 .75	34 .75	35 .75	36 .75	37 .75	38 .75	39 .75	40 .75	41 .75	42 .75	43 .75	44 .75	45 .75	46 .75	47 .75	48 .75	49 .75	TOTALS
87.25															1			1
85.25													1	2	2	3		8
83.25													2	3	4	2		11
81.25										2	1	7	8	8	2	3	4	35
79.25									3	11	17	27	25	19	8	1	1	112
77.25								1	20	39	55	45	21	12	4	1		198
75.25							6	21	53	73	68	41	14	3				279
73.25					1	6	27	63	91	91	56	30	5	2				372
71.25					5	26	58	88	97	53	23	5	1					356
69.25				1	17	46	76	89	48	12	6	1						296
67.25			3	7	28	38	33	32	14	4								159
65.25				9	17	17	7	6		2								58
63.25			1	4	3	5												13
61.25			2		1	1												4
59.25	1	1	1															3
TOTALS	1	1	7	21	72	139	207	300	326	287	226	156	77	49	21	10	5	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-GLUTEAL FURROW HGT	72.70	3.96	1.347X	+	16.150	2.33	0.808
X-TIBIALE HEIGHT	41.98	2.38	0.485Y	+	6.723	1.40	

A BIVARIATE FREQUENCY TABLE FOR
GLUTEAL FURROW HEIGHT AND CROTCH HEIGHT

CROTCH HEIGHT

GLUTEAL FURROW HEIGHT	61 .25	63 .25	65 .25	67 .25	69 .25	71 .25	73 .25	75 .25	77 .25	79 .25	81 .25	83 .25	85 .25	87 .25	TOTALS
87.25														1	1
85.25												1	4	3	8
83.25											1	7	1	2	11
81.25									1	1	13	15	2	3	35
79.25								2	17	33	41	17	2		112
77.25							1	18	64	83	28	4			198
75.25						1	34	93	99	40	10	2			279
73.25					1	30	99	158	68	14	2				372
71.25				2	22	88	132	87	19	6					356
69.25			1	16	73	111	72	20	3						296
67.25			9	31	56	41	20	2							159
65.25		1	6	22	18	9	2								58
63.25			3	8	2										13
61.25		2	2												4
59.25	2	1													3
TOTALS	2	4	21	79	172	280	360	380	271	177	95	46	9	9	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-GLUTEAL FURROW HGT	72.70	3.96	0.869X	+	7.957	1.85	0.884
X-CROTCH HEIGHT	74.50	4.03	0.899Y	+	9.146	1.88	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
TIBIALE HEIGHT AND CROTCH HEIGHT

CROTCH HEIGHT

TIBIALE HEIGHT	61 .25	63 .25	65 .25	67 .25	69 .25	71 .25	73 .25	75 .25	77 .25	79 .25	81 .25	83 .25	85 .25	87 .25	TOT ALS
49.75												3		2	5
48.75										1		5	2	2	10
47.75										3	8	3	2	5	21
46.75								2	3	11	16	15	2		49
45.75								2	19	23	20	10	3		77
44.75							3	23	48	47	26	9			156
43.75						5	23	56	75	53	13	1			226
42.75					2	12	57	110	71	26	9				287
41.75				3	10	47	99	110	42	12	3				326
40.75			1	6	39	83	108	52	10	1					300
39.75			1	14	43	75	51	21	2						207
38.75		1	4	24	47	42	16	4	1						139
37.75			8	18	29	14	3								72
36.75		1	4	13	1	2									21
35.75		2	3	1	1										7
34.75	1														1
33.75	1														1
TOTALS	2	4	21	79	172	280	360	380	271	177	95	46	9	9	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-TIBIALE HEIGHT	41.98	2.38	0.497X	+	4.954	1.28	0.842
X-CROTCH HEIGHT	74.50	4.03	1.428Y	+	14.553	2.17	

A BIVARIATE FREQUENCY TABLE FOR
TIBIALE HEIGHT AND ANKLE HEIGHT

ANKLE HEIGHT

TIBIALE HEIGHT	7 .50	8 .00	8 .50	9 .00	9 .50	10 .00	10 .50	11 .00	11 .50	12 .00	12 .50	13 .00	13 .50	14 .00	14 .50	15 .00	15 .50	16 .00	TOT ALS
49.75								1		-1			1			1		1	5
48.75							1	1			1	2		2	2	1			10
47.75						1	1	1	3	2	1	5		3	1	3			21
46.75				1	1	3	1	5	7	9	6	8	1		3	2	1	1	49
45.75						4	5	11	8	16	11	10	3	5	3			1	77
44.75				3	5	17	14	20	14	22	17	21	6	9	4	1	2	1	156
43.75			1	2	8	29	18	38	16	28	23	42	7	13		1			226
42.75				7	18	42	39	49	34	34	23	29	2	8			2		287
41.75				9	23	66	38	49	44	44	24	18	6	5					326
40.75		2	3	16	17	57	37	51	33	40	20	19	1	3	1				300
39.75		1	2	22	23	40	28	29	16	30	6	6		3	1				207
38.75			4	13	21	39	15	20	17	3	4	1	2						139
37.75	1	1	1	8	9	16	10	12	9	3	2								72
36.75		2	1	7	3	4	2	1		1									21
35.75				3	1		2	1											7
34.75			1																1
33.75			1																1
TOTALS	1	6	14	91	129	318	211	289	201	233	138	161	29	51	15	9	5	4	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-TIBIALE HEIGHT	41.98	2.38	0.777X	+	33.290	2.13	0.443
X-ANKLE HEIGHT	11.19	1.35	0.252Y	+	0.607	1.21	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
TIBIALE HEIGHT AND LATERAL MALLEOLUS HEIGHT

LATERAL MALLEOLUS HEIGHT

TIBIALE HEIGHT	5 .00	5 .50	6 .00	6 .50	7 .00	7 .50	8 .00	8 .50	TOT ALS
49.75				1	1	2		1	5
48.75					3	5	2		10
47.75			1	4	5	3	6	2	21
46.75			1	7	18	15	8		49
45.75			4	14	27	21	8	3	77
44.75		2	12	30	63	30	17	2	156
43.75		4	25	44	99	35	16	3	226
42.75		1	35	73	111	53	13	1	287
41.75	4	7	39	91	129	43	10	3	326
40.75	2	7	56	92	115	22	5	1	300
39.75	3	6	55	74	54	11	3	1	207
38.75	4	12	31	47	35	8	2		139
37.75		4	25	21	19	3			72
36.75	1	2	5	5	7	1			21
35.75		1	2	3	1				7
34.75				1					1
33.75		1							1
TOTALS	14	47	291	507	687	252	90	17	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-TIBIALE HEIGHT	41.98	2.38	1.550X	+	31.483	2.20	0.383
X-LAT'L MALLEOLUS HT	6.77	0.59	0.095Y	+	2.786	0.54	

A BIVARIATE FREQUENCY TABLE FOR
TIBIALE HEIGHT AND POPLITEAL HEIGHT

POPLITEAL HEIGHT

TIBIALE HEIGHT	33 .75	34 .75	35 .75	36 .75	37 .75	38 .75	39 .75	40 .75	41 .75	42 .75	43 .75	44 .75	45 .75	46 .75	TOT ALS
49.75												2	1	2	5
48.75								1			2	1	3	3	10
47.75										4	4	7	5	1	21
46.75									5	7	15	16	4	2	49
45.75							1	2	15	21	18	14	5	1	77
44.75						1	4	15	49	37	33	13	4		156
43.75					1	4	13	48	75	60	22	1	1	1	226
42.75					1	1	34	88	95	54	12	2			287
41.75				1	4	15	67	113	84	34	7			1	326
40.75			1	4	12	31	80	115	47	8	2				300
39.75			1	3	25	44	64	48	19	2	1				207
38.75			5	9	17	33	26	35	13	1					139
37.75		2	2	5	19	14	16	12	2						72
36.75		1	3	6	2	3	2	3	1						21
35.75		1	2	2	2										7
34.75		1													1
33.75	1														1
TOTALS	1	5	14	30	83	146	307	480	405	228	116	56	23	11	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-TIBIALE HEIGHT	41.98	2.38	0.941X	+	3.357	1.61	0.737
X-POPLITEAL HEIGHT	41.05	1.86	0.577Y	+	16.824	1.26	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
CROTCH HEIGHT AND SITTING HEIGHT

SITTING HEIGHT

CROTCH HEIGHT	75 .75	76 .75	77 .75	78 .75	79 .75	80 .75	81 .75	82 .75	83 .75	84 .75	85 .75	86 .75	87 .75	88 .75	89 .75	90 .75	91 .75	92 .75	93 .75	94 .75	95 .75	96 .75	TOT ALS
87.25												1	1	1	1		1	2	2				9
85.25								1		1	1				1		2	2		1			9
83.25							1	2	2	1	6	4	8	6	3	4	2	3	2	2			46
81.25					2	1	1	4	3	7	6	10	15	14	16	5	8	1	1			1	95
79.25				1	1	4	11	1	4	19	18	26	23	23	22	12	5	3	3	1			177
77.25			3			4	4	19	19	32	35	38	37	25	27	9	12	6		1			271
75.25					3	11	16	32	43	51	61	46	40	37	18	12	7	2	1				380
73.25	1		3	4	9	8	30	33	45	54	44	43	39	20	15	8	3	1					360
71.25			1	6	12	14	35	41	35	43	30	21	15	12	10	2		3					280
69.25			4	6	8	13	23	24	24	29	9	15	12	3		1		1					172
67.25	1	1		3	6	10	13	4	14	8	10	5	2	1	1								79
65.25	1				5	3	4	3		3	1		1										21
63.25				1			1	1	1														4
61.25					1					1													2
TOTALS	3	1	11	21	47	68	139	165	190	249	221	209	193	142	114	53	40	24	9	5	0	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-CROTCH HEIGHT	74.50	4.03	0.594X	+ 23.658	3.56	0.467
X-SITTING HEIGHT	85.60	3.17	0.367Y	+ 58.257	2.80	

A BIVARIATE FREQUENCY TABLE FOR
SITTING HEIGHT, RELAXED AND SITTING HEIGHT

SITTING HEIGHT

SITTING HEIGHT, RELAXED	75 .75	76 .75	77 .75	78 .75	79 .75	80 .75	81 .75	82 .75	83 .75	84 .75	85 .75	86 .75	87 .75	88 .75	89 .75	90 .75	91 .75	92 .75	93 .75	94 .75	95 .75	96 .75	TOT ALS
95.75																						1	1
94.75																				1			1
93.75																			2	2			4
92.75																		3	6	1			10
91.75																	5	10		1			16
90.75																6	17	8	1				32
89.75															15	21	13	3					52
88.75														19	57	20	3						99
87.75													26	64	30	5	1						126
86.75												1	36	106	43	10	1	1					198
85.75											1	38	103	46	13	2							203
84.75										42	113	51	7	3									216
83.75									24	119	51	15	7										216
82.75								25	106	65	15	3	1										215
81.75							22	79	47	15	2	1											166
80.75						14	77	42	6	6	1												146
79.75					4	29	30	13	5	1													82
78.75				8	27	14	6	5	2														62
77.75			2	7	14	8	4	1															36
76.75			8	5	1	3																	17
75.75		1		1	1																		3
74.75	3																						3
73.75			1																				1
TOTALS	3	1	11	21	47	68	139	165	190	249	221	209	193	142	114	53	40	24	9	5	0	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-SITTING HT,RELAXED	84.28	3.25	0.993X	- 0.723	0.81	0.968
X-SITTING HEIGHT	85.60	3.17	0.943Y	+ 6.126	0.79	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
SITTING HEIGHT AND EYE HEIGHT, SITTING

EYE HEIGHT, SITTING

SITTING HEIGHT	63 .75	64 .75	65 .75	66 .75	67 .75	68 .75	69 .75	70 .75	71 .75	72 .75	73 .75	74 .75	75 .75	76 .75	77 .75	78 .75	79 .75	80 .75	81 .75	82 .75	TOT ALS
96.75																				1	1
95.75																					0
94.75																			3	2	5
93.75															1	1	2	1	2	2	9
92.75																5	6	7	5	1	24
91.75														2	5	11	12	7	3		40
90.75													2	5	13	24	8	1			53
89.75											1	4	11	35	41	16	6				114
88.75										2	7	11	40	43	27	12					142
87.75										6	20	47	62	49	9						193
86.75								1	4	21	50	59	53	15	5	1					209
85.75								4	13	42	75	62	20	5							221
84.75							3	17	51	82	62	29	3	2							249
83.75							5	41	69	48	22	4	1								190
82.75						3	26	47	54	28	7										165
81.75				1	5	21	36	40	28	7	1										139
80.75			1	1	11	22	17	12	3	1											68
79.75			1	6	14	15	8	3													47
78.75		1		3	11	4	2														21
77.75	1	1	4	3	1	1															11
76.75				1																	1
75.75		1	1	1																	3
TOTALS	1	3	7	16	42	66	97	165	222	237	245	216	192	156	101	70	34	16	13	6	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-SITTING HEIGHT	85.60	3.17	0.961X	+	14.770	1.18	0.928
X-EYE HEIGHT,SITTING	73.70	3.06	0.895Y	-	2.907	1.14	

A BIVARIATE FREQUENCY TABLE FOR
SITTING HEIGHT AND MIDSHOULDER HEIGHT, SITTING

MIDSHOULDER HEIGHT, SITTING

SITTING HEIGHT	50 .75	51 .75	52 .75	53 .75	54 .75	55 .75	56 .75	57 .75	58 .75	59 .75	60 .75	61 .75	62 .75	63 .75	64 .75	65 .75	66 .75	TOT ALS
96.75																	1	1
95.75																		0
94.75														2	2		1	5
93.75														4	3	2		9
92.75											1	7	6	9			1	24
91.75										2	5	7	12	9	4	1		40
90.75										5	12	17	11	5	3			53
89.75							1		5	23	28	31	22	2	2			114
88.75							1	6	23	44	34	27	5	2				142
87.75						2	9	26	38	68	37	11		2				193
86.75					1	6	8	51	63	52	18	9	1					209
85.75					1	10	50	82	40	23	5	1						221
84.75				3	14	39	68	65	35	19	6							249
83.75				2	20	44	60	43	15	5	1							190
82.75			1	9	38	54	43	15	4	1								165
81.75		1	9	23	36	39	19	11	1									139
80.75			11	20	19	11	6	1										68
79.75		3	11	24	5	3	1											47
78.75	2	8	6	4	1													21
77.75		1	5	5														11
76.75			1															1
75.75	1	1	1															3
TOTALS	3	14	45	90	135	208	266	300	233	242	147	110	57	35	14	3	3	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-SITTING HEIGHT	85.60	3.17	1.050X	+	24.702	1.50	0.881
X-MIDSHOULDER HT,SIT	58.00	2.66	0.739Y	-	5.261	1.26	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
SITTING HEIGHT AND WAIST HEIGHT, SITTING

WAIST HEIGHT, SITTING

SITTING HEIGHT	18 .00	18 .50	19 .00	19 .50	20 .00	20 .50	21 .00	21 .50	22 .00	22 .50	23 .00	23 .50	24 .00	24 .50	25 .00	25 .50	26 .00	26 .50	27 .00	27 .50	28 .00	28 .50	29 .00	TOT ALS
96.75																		1						1
95.75																								0
94.75												1				1			2	1				5
93.75											1			1		4		2	1					9
92.75										2	2	1	3	1	1	3	2	4	1		3		1	24
91.75						1				1	2	2	5	5	7	3	5	2	2	3	2			40
90.75					1					2	3	3	5	9	7	9	3	6	4	1				53
89.75						1			6	6	7	12	16	25	13	14	2	4	2	4	1		1	114
88.75			1		2	1		4	4	6	13	16	14	21	28	14	8	3	3	3			1	142
87.75					1	2	2	5	13	17	11	28	26	25	26	11	14	5	4	3				193
86.75					1	1	5	10	13	17	26	22	31	29	21	15	14	1	3					209
85.75				1	3	2	7	7	24	25	29	31	31	22	19	8	7	2	2	1				221
84.75			1		2	9	11	25	35	21	31	34	24	21	15	9	5	2	4					249
83.75		1	1	2	6	6	13	15	24	26	25	25	25	10	6	1	3	1						190
82.75			1		8	11	14	19	25	13	20	16	17	14	3	1	3							165
81.75		1	3		7	5	9	20	19	18	19	17	13	3	3	1		1						139
80.75		2	2	5	5	3	10	7	7	8	6	6	1	3	1	1				1				68
79.75	1	1	2	1	3	4	10	10	6	5	3		1											47
78.75	2	1		2	2	3	2	4	2	1	2													21
77.75				1	1	2	2	2	1	1		1												11
76.75										1														1
75.75			1				1			1														3
TOTALS	3	6	12	12	42	51	86	128	179	171	200	215	212	189	150	95	66	34	28	17	6	0	3	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-SITTING HEIGHT	85.60	3.17	1.017X	+	61.835	2.63	0.556
X-WAIST HGHT,SITTING	23.37	1.73	0.304Y	-	2.655	1.44	

A BIVARIATE FREQUENCY TABLE FOR
SITTING HEIGHT AND ELBOW REST HEIGHT

ELBOW REST HEIGHT

SITTING HEIGHT	14 .75	15 .75	16 .75	17 .75	18 .75	19 .75	20 .75	21 .75	22 .75	23 .75	24 .75	25 .75	26 .75	27 .75	28 .75	29 .75	TOT ALS
96.75															1		1
95.75																	0
94.75										1		1	1		1	1	5
93.75								1			3		3	1	1		9
92.75								3	2		4	7	2	1	4	1	24
91.75							2	1	2	8	9	4	5	5	4		40
90.75							1	2	6	5	12	10	11	2	3	1	53
89.75						3	3	13	17	27	15	16	9	4	7		114
88.75					2	6	5	14	21	33	21	20	4	10	6		142
87.75			2		2	7	17	27	30	36	25	26	12	6	1		193
86.75			1	1	2	11	16	31	50	36	34	16	7	1	3		209
85.75				1	10	23	21	43	35	41	26	14	5	2			221
84.75	1			3	16	24	38	36	47	31	21	20	8	4			249
83.75				1	13	20	33	35	36	29	15	5	2	1			190
82.75			2	5	12	30	25	29	25	19	13	2	2	1			165
81.75		1	1	8	13	25	29	27	14	11	8	1	1				139
80.75			2	4	12	16	9	11	4	7	3						68
79.75		1	2	6	4	9	11	6	5	1	1	1					47
78.75		1	2	3	3	4	4	2	1		1						21
77.75		1			4	3	1	1		1							11
76.75								1									1
75.75	1			1		1											3
TOTALS	2	4	12	33	93	182	215	283	295	286	211	143	72	40	31	3	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-SITTING HEIGHT	85.60	3.17	0.702X	+	69.660	2.66	0.545
X-ELBOW REST HEIGHT	22.71	2.46	0.424Y	-	13.588	2.06	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
EYE HEIGHT, SITTING AND MIDSHOULDER HEIGHT, SITTING

MIDSHOULDER HEIGHT, SITTING

EYE HEIGHT, SITTING	50 .75	51 .75	52 .75	53 .75	54 .75	55 .75	56 .75	57 .75	58 .75	59 .75	60 .75	61 .75	62 .75	63 .75	64 .75	65 .75	66 .75	TOTALS
82.75														2	2		2	6
81.75											1	1	3	6	1	1		13
80.75											1	1	9	2	2		1	16
79.75										2	6	9	3	10	2	2		34
78.75									2	10	13	23	10	6	6			70
77.75							1	1	7	23	20	25	17	6	1			101
76.75						1	3	13	24	47	34	20	12	2				156
75.75					1	3	8	36	39	50	34	19	2					192
74.75					2	6	22	52	59	46	22	5	1	1				216
73.75				2	7	23	46	69	40	41	12	5						245
72.75			1	3	16	37	62	57	38	18	3	2						237
71.75			2	9	35	62	50	45	15	3	1							222
70.75			8	11	31	38	49	18	8	2								165
69.75		1	9	21	18	25	14	8	1									97
68.75	1	2	5	23	17	11	7											66
67.75	1	6	9	13	8	1	3	1										42
66.75		4	7	4		1												16
65.75			4	2			1											7
64.75	1	1		1														3
63.75				1														1
TOTALS	3	14	45	90	135	208	266	300	233	242	147	110	57	35	14	3	3	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-EYE HEIGHT,SITTING	73.70	3.06	0.964X	+	17.795	1.67	0.837
X-MIDSHOULDER HT,SIT	58.00	2.66	0.728Y	+	4.341	1.45	

A BIVARIATE FREQUENCY TABLE FOR
EYE HEIGHT, SITTING AND WAIST HEIGHT, SITTING

WAIST HEIGHT, SITTING

EYE HEIGHT, SITTING	18 .00	18 .50	19 .00	19 .50	20 .00	20 .50	21 .00	21 .50	22 .00	22 .50	23 .00	23 .50	24 .00	24 .50	25 .00	25 .50	26 .00	26 .50	27 .00	27 .50	28 .00	28 .50	29 .00	TOTALS
82.75											1	1		1				2	1					6
81.75												1			2	4	2	1	1	1	1			13
80.75						1				2	1		1	3	1		1	2	2	1	1			16
79.75										1	3	2	3	4	1	5	3	2	3	4	3			34
78.75					1				1	1	1	1	13	9	13	13	4	6	4	1			2	70
77.75					1			1	7	4	7	7	9	16	18	14	4	8	2	2	1			101
76.75			1		1	1	2	4	2	4	11	26	19	27	22	9	18	1	3	4			1	156
75.75						1	2	4	9	16	18	30	27	27	23	16	10	2	5	2				192
74.75						1	8	8	21	24	20	26	28	29	23	15	7	4	1	1				216
73.75			1		5	4	3	12	23	24	36	29	41	29	18	6	8	4	2					245
72.75		1	1	3	6	4	11	19	30	27	30	31	26	18	17	6	3	1	3					237
71.75		1			7	10	12	26	30	23	30	27	21	16	8	5	5		1					222
70.75			1		7	12	18	18	29	18	16	18	14	6	3	2	1	1		1				165
69.75			3	4	1	5	10	13	15	15	12	11	6	2										97
68.75	1	3	3	5	7	2	9	8	6	7	8	3	3	1										66
67.75	2	1	1		3	5	6	12	4		4	1	1	1	1									42
66.75					2	4	3	2	1	4														16
65.75					1	1	1	1		1	2													7
64.75			1				1		1															3
63.75												1												1
TOTALS	3	6	12	12	42	51	86	128	179	171	200	215	212	189	150	95	66	34	28	17	6	0	3	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-EYE HEIGHT,SITTING	73.70	3.06	1.004X	+	50.243	2.51	0.569
X-WAIST HGHT,SITTING	23.37	1.73	0.323Y	-	0.439	1.43	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
EYE HEIGHT, SITTING AND ELBOW REST HEIGHT

ELBOW REST HEIGHT

EYE HEIGHT, SITTING	14 .75	15 .75	16 .75	17 .75	18 .75	19 .75	20 .75	21 .75	22 .75	23 .75	24 .75	25 .75	26 .75	27 .75	28 .75	29 .75	TOT ALS
82.75										1	1	1	2		1		6
81.75									1		4	1	1	1	3	2	13
80.75								1	1	2	5	1	2	1	2	1	16
79.75							1	2		5	8	7	4	2	5		34
78.75							1	6	10	11	6	14	9	6	7		70
77.75					1	1	1	11	15	21	17	18	11	3	2		101
76.75						10	10	11	27	29	21	19	9	12	8		156
75.75			1		1	10	7	29	30	41	35	21	12	5			192
74.75				1	7	9	22	32	45	34	31	21	7	4	3		216
73.75			2	1	6	21	32	47	49	37	24	18	7	1			245
72.75			1	2	16	24	30	36	48	44	20	10	3	3			237
71.75	1			6	13	24	41	40	33	33	20	8	2	1			222
70.75			1	3	15	36	29	30	23	13	10	2	2	1			165
69.75				10	9	21	19	17	5	9	5	1	1				97
68.75			1	3	12	14	10	14	6	4	2						66
67.75		1	6	3	4	8	10	5	2	1	2						42
66.75		2		4	6	2		1				1					16
65.75		1			2	2	1	1									7
64.75	1				1		1										3
63.75										1							1
TOTALS	2	4	12	33	93	182	215	283	295	286	211	143	72	40	31	3	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-EYE HEIGHT,SITTING	73.70	3.06	0.693X	+	57.969	2.54	0.558
X-ELBOW REST HEIGHT	22.71	2.46	0.449Y	-	10.387	2.04	

A BIVARIATE FREQUENCY TABLE FOR
MIDSHOULDER HEIGHT, SITTING AND WAIST HEIGHT, SITTING

WAIST HEIGHT, SITTING

MIDSHOULDER HEIGHT, SITTING	18 .00	18 .50	19 .00	19 .50	20 .00	20 .50	21 .00	21 .50	22 .00	22 .50	23 .00	23 .50	24 .00	24 .50	25 .00	25 .50	26 .00	26 .50	27 .00	27 .50	28 .00	28 .50	29 .00	TOT ALS
66.75																		2	1					3
65.75																1			1		1			3
64.75					1						2	1		1		4	1	1	2	1				14
63.75								1			2		3	5	4	4	4	4	1	5	2			35
62.75							1		1	1	2	4	6	11	7	8	6	5	2	1	1		1	57
61.75					1	1		2	2	3	8	10	10	21	15	15	3	5	9	1	2		2	110
60.75			1			1	1	3	3	15	7	17	23	20	25	11	14	2	1	3				147
59.75				1	2	2	7	6	16	11	25	26	30	32	32	22	18	5	4	3				242
58.75						4	5	14	17	27	19	32	31	32	22	15	7	6	1	1				233
57.75		1		1	4	5	12	15	29	27	45	43	43	30	24	7	8	2	3	1				300
56.75		1	1		10	10	12	22	37	29	35	32	30	21	14	6	2	1	2	1				266
55.75			4	2	7	8	16	19	33	28	25	25	18	11	5	2	3	1	1					208
54.75		3	2	2	4	4	11	20	20	18	17	17	12	5										135
53.75	1		2	5	8	9	9	14	13	6	10	7	5		1									90
52.75		1	1		4	4	10	9	5	5	3	1	1		1									45
51.75	2				1	2	3	2	3	1														14
50.75			1	1				1																3
TOTALS	3	6	12	12	42	51	86	128	179	171	200	215	212	189	150	95	66	34	28	17	6	0	3	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-MIDSHOULDER HT,SIT	58.00	2.66	0.855X	+	38.018	2.21	0.557
X-WAIST HGHT,SITTING	23.37	1.73	0.364Y	+	2.257	1.44	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
MIDSHOULDER HEIGHT, SITTING AND ELBOW REST HEIGHT

ELBOW REST HEIGHT

MIDSHOULDER HEIGHT, SITTING	14 .75	15 .75	16 .75	17 .75	18 .75	19 .75	20 .75	21 .75	22 .75	23 .75	24 .75	25 .75	26 .75	27 .75	28 .75	29 .75	TOT ALS
66.75													1		2		3
65.75													2		1		3
64.75										2	2	2	2	3	3		14
63.75								4		1	5	4	8	5	7	1	35
62.75						1	1	3	2	10	12	14	4	2	6	2	57
61.75						2	2	4	16	16	23	23	13	7	4		110
60.75					1	4	3	9	15	36	26	26	15	9	3		147
59.75				1		6	12	36	39	53	41	31	15	6	2		242
58.75			1		4	8	29	41	41	46	32	19	4	5	3		233
57.75			2		9	25	34	50	77	43	39	14	5	2			300
56.75			1	2	17	31	40	65	45	35	21	6	2	1			266
55.75			1	4	20	40	42	29	34	29	5	3	1				208
54.75	1		2	7	18	28	23	25	17	9	4	1					135
53.75		1	1	10	10	25	16	14	7	5	1						90
52.75		2	2	5	11	9	12	2	1	1							45
51.75		1	1	3	3	3	1	1	1								14
50.75	1		1	1													3
TOTALS	2	4	12	33	93	182	215	283	295	286	211	143	72	40	31	3	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-MIDSHOULDER HT,SIT	58.00	2.66	0.697X + 42.171	2.03	0.646
X-ELBOW REST HEIGHT	22.71	2.46	0.598Y - 11.976	1.88	

A BIVARIATE FREQUENCY TABLE FOR
MIDSHOULDER HEIGHT, SITTING AND VERTICAL TRUNK CIRCUMFERENCE, SITTING

VERTICAL TRUNK CIRCUMFERENCE, SITTING

MIDSHOULDER HEIGHT, SITTING	133 .25	135 .25	137 .25	139 .25	141 .25	143 .25	145 .25	147 .25	149 .25	151 .25	153 .25	155 .25	157 .25	159 .25	161 .25	163 .25	165 .25	167 .25	169 .25	171 .25	TOT ALS
66.75																			2	1	3
65.75																	1		1	1	3
64.75												1	2	2	2		2	2	3		14
63.75											1	1	6	5	8	7	5		2		35
62.75											3	5	15	10	13	9	1	1			57
61.75								1	2	5	9	20	22	28	11	6	2	3	1		110
60.75							1	5	15	18	31	22	25	16	8	3	2	1			147
59.75						1	7	7	22	38	58	47	34	15	5	4	3		1		242
58.75					2	5	3	24	42	52	49	37	8	8	2	1					233
57.75			1	1	6	22	39	43	63	60	40	17	4	3		1					300
56.75			1	7	17	46	44	46	47	33	17	4	3		1						266
55.75	2	1	4	7	28	36	38	40	29	15	4	2	2								208
54.75			5	19	18	32	31	11	14	3	1	1									135
53.75		3	10	19	23	16	8	7	3	1											90
52.75	3	4	10	12	6	5	3	2													45
51.75	2	2	7	2	1																14
50.75		1	2																		3
TOTALS	7	11	40	67	101	163	174	186	237	225	213	157	121	87	50	31	16	7	10	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-MIDSHOULDER HT,SIT	58.00	2.66	0.331X + 8.326	1.53	0.818
X-VERTICAL TRK C,SIT	150.07	6.56	2.017Y + 33.085	3.77	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
MIDSHOULDER HEIGHT, SITTING AND WAIST BACK

WAIST BACK

MIDSHOULDER HEIGHT, SITTING	33 .75	34 .75	35 .75	36 .75	37 .75	38 .75	39 .75	40 .75	41 .75	42 .75	43 .75	44 .75	45 .75	46 .75	47 .75	TOT ALS
66.75										1	2					3
65.75								1	1					1		3
64.75								1		2	5	4	1	1		14
63.75								3	8	11	4	5	4			35
62.75							1	6	7	14	14	6	8		1	57
61.75					1	4	6	18	18	22	25	8	6	2		110
60.75				1		5	12	38	26	25	20	11	6	2	1	147
59.75				2	6	17	35	54	46	46	23	10	3			242
58.75			2	3	14	27	39	58	48	30	8	3	1			233
57.75	1	1	1	7	19	49	63	66	55	26	10	2				300
56.75	1	2	2	9	39	42	62	63	31	7	6		2			266
55.75		2	6	22	25	45	50	40	9	8	1					208
54.75		3	2	19	29	33	24	12	11	1		1				135
53.75	1	2	5	8	33	19	12	7	3							90
52.75	1	1	5	12	14	4	7	1								45
51.75	1	1	3	2	2	2	3									14
50.75				2	1											3
TOTALS	5	12	26	87	183	247	314	368	263	193	118	50	31	6	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-MIDSHOULDER HT,SIT	58.00	2.66	0.771X + 26.764	2.04	0.643
X-WAIST BACK	40.51	2.22	0.536Y + 9.424	1.70	

A BIVARIATE FREQUENCY TABLE FOR
WAIST HEIGHT, SITTING AND ELBOW REST HEIGHT

ELBOW REST HEIGHT

WAIST HEIGHT, SITTING	14 .75	15 .75	16 .75	17 .75	18 .75	19 .75	20 .75	21 .75	22 .75	23 .75	24 .75	25 .75	26 .75	27 .75	28 .75	29 .75	TOT ALS
29.00									1		1	1					3
28.50																	0
28.00								2	1		1			1	1		6
27.50						3			1	2		5	3		2	1	17
27.00					1				5	7	2	8	2	1	2		28
26.50						1	2		4	4	10	5	2	2	4		34
26.00					2	3	2	5	13	7	10	10	5	5	4		66
25.50					1	3	6	8	11	19	12	20	4	6	4	1	95
25.00						8	11	21	21	29	25	15	8	10	1	1	150
24.50				1	5	10	18	25	25	40	32	12	11	5	5		189
24.00			2		5	21	24	25	37	37	20	22	12	2	5		212
23.50				4	8	14	25	34	44	40	22	14	8	2			215
23.00				1	11	18	20	40	35	29	27	14	2	2	1		200
22.50	1			6	9	23	17	28	30	30	11	8	7		2		171
22.00			2	5	13	22	36	31	34	21	9	3	3				179
21.50			4	6	9	19	21	25	13	10	16	3	1	1			128
21.00			2	4	8	14	11	19	10	5	8	2	2	1			86
20.50				3	9	9	11	9	3	2	3	1	1				51
20.00		4	1	1	7	7	6	7	3	3	1		1	1			42
19.50				2	1	3	1	1	2	1	1						12
19.00	1				3	1	3	2	1					1			12
18.50			1		1	3	1										6
18.00				1				1	1								3
TOTALS	2	4	12	33	93	182	215	283	295	286	211	143	72	40	31	3	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-WAIST HGHT,SITTING	23.37	1.73	0.300X + 16.556	1.57	0.426
X-ELBOW REST HEIGHT	22.71	2.46	0.605Y + 8.569	2.23	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
WAIST HEIGHT, SITTING AND BUTTOCK CIRCUMFERENCE, SITTING

BUTTOCK CIRCUMFERENCE, SITTING

WAIST HEIGHT, SITTING	85 .25	87 .25	89 .25	91 .25	93 .25	95 .25	97 .25	99 .25	101 .25	103 .25	105 .25	107 .25	109 .25	111 .25	113 .25	115 .25	117 .25	119 .25	121 .25	123 .25	125 .25	127 .25	129 .25	TOT ALS
29.00										1			1				1							3
28.50																								0
28.00										1			1	2	1		1							6
27.50							2	2	2	4	1	4	1						1					17
27.00					1		1	3	2	8	1	3	2		2	2	1	1		1				28
26.50						1	4	5	10	4	3	1	2		1	2		1						34
26.00				1	1	1	11	5	8	7	8	7	7	2		3	1	3					1	66
25.50				2		1	13	12	13	14	17	11	4	2	4	1	1							95
25.00	1		1	3	5	11	18	26	18	24	13	11	5	5	2	3	3			1				150
24.50			3		13	13	16	34	26	22	20	11	14	9	3	1	1	2	1					189
24.00		3	1	5	13	29	30	27	30	26	21	11	6	6	2	1				1				212
23.50	1	3	6	10	16	34	20	52	22	16	12	12	5	2	3	1								215
23.00	1	4	3	10	19	22	23	32	25	28	15	7	6	3	1						1			200
22.50			4	11	12	26	33	27	20	8	8	9	4	3	2		1	2	1					171
22.00		2	9	15	21	36	25	21	16	13	11	5	2	2			1							179
21.50	1	1	8	12	10	20	24	21	15	6	5	2		2						1				128
21.00	1	2	4	9	13	9	13	13	7	7	4	4												86
20.50	1	2	3	2	6	10	4	8	5	6	2	1	1											51
20.00	1	1	1	5	3	6	6	7	3	5	1	2					1							42
19.50			2	1	3	1	2		1	1		1												12
19.00	1	1	1	2	1	1	3		1				1											12
18.50				3		2				1														6
18.00					2		1																	3
TOTALS	8	19	46	91	139	223	249	295	224	202	142	102	62	38	21	14	12	9	3	4	1	0	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-WAIST HGHT,SITTING	23.37	1.73	0.109X	+	12.468	1.60	0.381
X-BUTTOCK CIRC, SIT	100.00	6.09	1.338Y	+	68.731	5.63	

A BIVARIATE FREQUENCY TABLE FOR
BUTTOCK-POPLITEAL LENGTH AND BUTTOCK-KNEE LENGTH

BUTTOCK-KNEE LENGTH

BUTTOCK-POPLITEAL LENGTH	48 .75	49 .75	50 .75	51 .75	52 .75	53 .75	54 .75	55 .75	56 .75	57 .75	58 .75	59 .75	60 .75	61 .75	62 .75	63 .75	64 .75	65 .75	66 .75	TOT ALS
58.75																		1		1
57.75																				0
56.75																1				1
55.75															3	3	1			7
54.75												1		4	7	10	2		1	25
53.75												1	6	6	8	6	1			28
52.75											1	5	13	18	9	1				47
51.75											8	22	21	22	5	4	1			83
50.75									1	10	39	36	24	23	3					136
49.75								2	10	31	51	63	37	11	2					207
48.75							2	3	46	59	59	32	17	3	1					222
47.75						2	8	30	90	72	39	19	5	2	1					268
46.75				1	1	7	34	60	70	52	18	12								255
45.75					2	26	52	73	58	23	6	3								243
44.75			1	5	13	50	52	52	27	9	2	1								212
43.75				7	17	30	20	12	8	2										96
42.75			4	7	11	15	8	2	2											49
41.75			3	4	4	4		2												17
40.75		1			1	2														4
39.75	2				1															3
38.75			1																	1
TOTALS	2	1	9	24	50	136	176	236	312	258	223	195	123	89	39	25	5	1	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-BUTTOCK-POPLIT'L L	47.71	2.76	0.906X	-	4.319	1.38	0.865
X-BUTTOCK-KNEE LNGTH	57.43	2.63	0.826Y	+	18.019	1.32	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
ACROMION-RADIALE LENGTH AND RADIALE-STYLION LENGTH

RADIALE-STYLION LENGTH

ACROMION-RADIALE LENGTH	19.00	19.50	20.00	20.50	21.00	21.50	22.00	22.50	23.00	23.50	24.00	24.50	25.00	25.50	26.00	26.50	27.00	27.50	28.00	TOTALS
36.50																	1			1
36.00													1	1	1	2		1		6
35.50										1	1			1	1	3				7
35.00														1	2	2				5
34.50									1	1	3	3	3	3		2	1		1	18
34.00										2	8	5	9	5	4	2	5			40
33.50								1	4	11	16	16	11	9	8	2	2	1		81
33.00							1	1	1	12	10	19	20	9	13	8	4	3		101
32.50							1	4	10	17	41	31	35	20	15	7	6	2	2	191
32.00					1	3	4	12	18	16	26	30	30	12	13	4	3		1	173
31.50					1	1	9	18	23	32	49	37	26	11	6	8	2	1		224
31.00					1	2	3	19	28	44	44	33	24	9	7	1				215
30.50				1	1	4	16	17	53	31	51	32	21	10	2	1				240
30.00					6	10	21	23	31	37	25	19	10	6	2	1				191
29.50					2	9	16	20	30	31	17	12	4	2		1				144
29.00				3	6	5	10	23	21	12	7	4	4	1						96
28.50	1			3	5	10	18	16	12	8	7	6	1							87
28.00		1			8	2	11	9	8	5	3		1	1						49
27.50		1			2	4	3	7	2	2										21
27.00		1	1			1		1												4
26.50						2		2												4
26.00				3		1		1												5
25.50				1	1															2
TOTALS	1	3	12	34	54	113	173	238	252	295	251	200	105	78	47	28	15	5	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-ACROMION-RADIALE L	31.01	1.63	0.745X	+ 13.583	1.27	0.627
X-RADIALE-STYLION L	23.39	1.37	0.528Y	+ 7.016	1.07	

A BIVARIATE FREQUENCY TABLE FOR
ACROMION-RADIALE LENGTH AND THUMB-TIP REACH, EXTENDED

THUMB-TIP REACH, EXTENDED

ACROMION-RADIALE LENGTH	71.25	73.25	75.25	77.25	79.25	81.25	83.25	85.25	87.25	89.25	91.25	93.25	95.25	97.25	99.25	TOTALS
36.50											1					1
36.00									1		2	1	1		1	6
35.50							1		3		1	1	1			7
35.00							1				3	1				5
34.50							2	1	4	4	2	2	3			18
34.00						2	1	9	8	9	5	2	2	2		40
33.50							5	12	19	15	12	5	7	6		81
33.00					2	8	16	23	23	8	15	3	3			101
32.50				2	2	21	32	34	36	28	18	9	4	5		191
32.00		1	2	4	13	19	35	35	27	12	9	13	3			173
31.50			2	9	25	31	40	44	32	18	13	8		2		224
31.00			3	9	22	33	46	40	35	16	7	3	1			215
30.50		1	8	21	35	47	48	35	23	10	6	4	2			240
30.00		2	11	26	30	40	28	27	13	7	7					191
29.50		5	3	21	37	26	27	13	6	3	2	1				144
29.00		7	6	15	22	23	8	6	6		3					96
28.50	2	4	14	15	13	13	14	10	2							87
28.00	1	3	11	8	13	5	6	1	1							49
27.50	1	6	1	4	3	4		1	1							21
27.00			2		2											4
26.50				1	1			1	1							4
26.00		2	2	1												5
25.50		1	1													2
TOTALS	4	32	66	136	220	272	310	292	241	130	106	53	27	15	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-ACROMION-RADIALE L	31.01	1.63	0.195X	+ 14.658	1.32	0.585
X-THUMB-TIP,EXTENDED	83.83	4.88	1.755Y	+ 29.418	3.96	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
ACROMION-RADIALE LENGTH AND OVERHEAD REACH

OVERHEAD REACH

ACROMION-RADIALE LENGTH	175 .75	178 .75	181 .75	184 .75	187 .75	190 .75	193 .75	196 .75	199 .75	202 .75	205 .75	208 .75	211 .75	214 .75	217 .75	220 .75	223 .75	226 .75	TOTALS
36.50														1					1
36.00													2	3			1		6
35.50												2		2		2		1	7
35.00												1	1	1		1	1		5
34.50											2	5	2	4	2	1	1	1	18
34.00									1	5	8	7	8	5	5		1		40
33.50								2	6	10	7	17	23	9	6	1			81
33.00							1	2	7	9	13	19	20	16	10	3		1	101
32.50						1	1	4	14	24	40	44	29	21	8	2	2	1	191
32.00						4	2	12	22	28	43	13	18	22	7	2			173
31.50				2	3	5	12	23	35	34	41	33	25	6	4	1			224
31.00					3	12	13	29	40	34	40	18	17	7	2				215
30.50				3	7	13	25	35	52	42	38	12	8	4				1	240
30.00			2	3	5	12	34	38	40	26	19	7	4	1					191
29.50				2	15	19	22	37	25	17	5	2							144
29.00	1			3	16	20	13	15	12	7	5	2	2						96
28.50			2	12	17	18	13	13	7	1	3	1							87
28.00		1	1	5	7	12	12	6	4	1									49
27.50			1	2	8	2	4	2	1	1									21
27.00		1	1		1		1												4
26.50				1	1	1	1												4
26.00	1				2	2													5
25.50			1	1															2
TOTALS	4	8	34	85	121	154	216	261	231	262	168	155	113	56	21	7	7	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-ACROMION-RADIALE L	31.01	1.63	0.137X + 3.712	1.12	0.723
X-OVERHEAD REACH	199.23	8.56	3.807Y + 81.186	5.91	

A BIVARIATE FREQUENCY TABLE FOR
ACROMION-RADIALE LENGTH AND SLEEVE INSEAM

SLEEVE INSEAM

ACROMION-RADIALE LENGTH	36 .75	37 .75	38 .75	39 .75	40 .75	41 .75	42 .75	43 .75	44 .75	45 .75	46 .75	47 .75	48 .75	49 .75	50 .75	51 .75	52 .75	53 .75	TOTALS
36.50															1				1
36.00														3	1	1	1		6
35.50												5	1	1					7
35.00												2	1		1			1	5
34.50									2	1	4	3	4	1	2		1		18
34.00								1	7	5	10	3	8	5		1			40
33.50								2	13	9	27	12	14	2	1		1		81
33.00							1	3	10	12	24	14	27	9	1				101
32.50						2	1	9	22	42	36	40	19	12	8				191
32.00				1		2	9	10	31	42	41	19	14	4					173
31.50					1	5	14	38	45	52	39	20	5	3	1	1			224
31.00						13	18	40	56	36	32	16	3	1					215
30.50				2	16	31	56	61	42	24	8								240
30.00			1	11	20	38	29	47	25	16	2	2							191
29.50		1	3	7	22	33	26	40	8	2	1	1							144
29.00		1	2	7	20	22	15	19	9	1									96
28.50			6	11	26	20	12	7	4		1								87
28.00	1	2	4	10	10	10	7	4	1										49
27.50			4	4	8	2	2	1											21
27.00	1		2	1															4
26.50		2	1	1															4
26.00	2		1	1	1														5
25.50		1	1																2
TOTALS	4	7	26	56	145	199	247	346	295	230	162	96	57	22	7	2	3	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-ACROMION-RADIALE L	31.01	1.63	0.492X + 9.295	1.11	0.730
X-SLEEVE INSEAM	44.13	2.42	1.085Y + 10.486	1.65	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
ACROMION-RADIALE LENGTH AND SPINE-TO-ELBOW LENGTH (SLEEVE LENGTH SEGMENT)

SPINE-TO-ELBOW LENGTH (SLEEVE LENGTH SEGMENT)

ACROMION-RADIALE LENGTH	44 .75	45 .75	46 .75	47 .75	48 .75	49 .75	50 .75	51 .75	52 .75	53 .75	54 .75	55 .75	56 .75	57 .75	58 .75	59 .75	60 .75	61 .75	62 .75	TOT ALS
36.50																1				1
36.00											1			1	1	3				6
35.50											1	1	1		1	1		1	1	7
35.00												1	1	1		1			1	5
34.50										1	1	1	2	5	4	1	2	1		18
34.00								1	1	2	7	8	7	10	3	1				40
33.50					1				3	7	11	16	25	10	3	4		1		81
33.00							1	7	8	22	17	18	17	7	4					101
32.50								9	16	38	41	43	34	5	2	2	1			191
32.00						1	4	11	27	43	34	31	13	8	1					173
31.50						3	15	38	50	41	39	28	5	3	2					224
31.00					5	5	12	37	45	47	38	14	10	2						215
30.50				1	1	11	27	61	50	53	27	7	2							240
30.00				3	5	25	34	36	38	30	16	4								191
29.50			1	3	6	19	36	24	27	18	8	1	1							144
29.00			1	2	4	14	22	24	14	11	2	2								96
28.50			1	1	9	27	14	16	12	6	1									87
28.00				4	5	15	12	9	2	2										49
27.50			2	3	5	2	4	1	4											21
27.00		1			1	1	1													4
26.50				1	2	1														4
26.00	1		1		2		1													5
25.50					1	1														2
TOTALS	1	1	6	18	47	125	183	274	297	321	244	175	118	52	21	14	3	3	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-ACROMION-RADIALE L	31.01	1.63	0.482X + 5.307	1.14	0.713
X-SPINE-TO-ELBOW LTH	53.32	2.41	1.056Y + 20.575	1.69	

A BIVARIATE FREQUENCY TABLE FOR
ACROMION-RADIALE LENGTH AND SPINE-TO-WRIST LENGTH (SLEEVE LENGTH SEGMENT)

SPINE-TO-WRIST LENGTH (SLEEVE LENGTH SEGMENT)

ACROMION-RADIALE LENGTH	67 .75	68 .75	69 .75	70 .75	71 .75	72 .75	73 .75	74 .75	75 .75	76 .75	77 .75	78 .75	79 .75	80 .75	81 .75	82 .75	83 .75	84 .75	85 .75	86 .75	87 .75	88 .75	89 .75	90 .75	TOT ALS
36.50																							1		1
36.00																	1			1		3	1		6
35.50																1	1	1			1	1	1	1	7
35.00																		1	1	1		1		1	5
34.50														1	1	1	2	1	4	2	3	2		1	18
34.00												1	1	2	4	7	6	3	8	7	1				40
33.50										1			4	4	9	12	18	14	4	8	4		3		81
33.00											3	9	8	16	14	17	14	12	6	1	1				101
32.50											4	9	17	36	44	30	25	15	7	1	2		1		191
32.00								1	1	3	8	22	30	29	31	25	14	6	3						173
31.50								2	6	17	26	39	37	29	32	22	6	4	4						224
31.00							2	3	11	15	25	39	46	33	20	12	6	1	2						215
30.50						1	3	7	12	35	42	45	46	27	15	4	2		1						240
30.00					1	5	3	18	22	29	34	25	29	16	5	2	2								191
29.50						3	10	22	20	24	27	15	11	8	1	2				1					144
29.00					2	2	9	13	12	21	16	8	9	4											96
28.50					1	6	16	12	13	13	14	5	6	1											87
28.00					4	4	10	5	10	12	2		2												49
27.50				2	1	7		2	2	4	1	2													21
27.00			1			1	2																		4
26.50						2	2																		4
26.00	1		1		1		1	1																	5
25.50						2																			2
TOTALS	1	0	2	2	10	33	58	86	109	174	202	219	246	206	176	135	97	58	40	22	12	7	7	3	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-ACROMION-RADIALE L	31.01	1.63	0.376X + 1.082	1.04	0.768
X-SPINE-TO-WRIST LTH	79.58	3.32	1.568Y + 30.967	2.13	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
RADIALE-STYLION LENGTH AND THUMB-TIP REACH

THUMB-TIP REACH

RADIALE-STYLION LENGTH	62 .75	63 .75	64 .75	65 .75	66 .75	67 .75	68 .75	69 .75	70 .75	71 .75	72 .75	73 .75	74 .75	75 .75	76 .75	77 .75	78 .75	79 .75	80 .75	81 .75	82 .75	83 .75	84 .75	85 .75	86 .75	TOT ALS
28.00																								1		1
27.50																		2		1	1		1			5
27.00													1	2	1	1	1	4	1	3		1				15
26.50											1			3	6		2	2	3	2	4	1	2	1	1	28
26.00									1	1	1	2	2	4	8	7	7	5	2	3	4					47
25.50									1	1	2	4	6	7	10	8	12	18	3	3	2			1		78
25.00									3	3	7	6	18	12	11	16	5	7	7	4	3	2			1	105
24.50						1		6	7	7	12	22	27	28	19	28	24	6	3	6		2		1	1	200
24.00					1	2	3	8	8	17	27	29	31	21	41	25	15	12	5	4	1			1		251
23.50				1		4	3	11	15	29	41	41	35	27	33	28	10	10	3	2	1		1			295
23.00				2	1	3	13	5	30	35	33	29	29	27	13	12	8	6	4	1	1					252
22.50			1	4	6	5	14	22	26	32	31	25	27	17	12	6	4	5		1						238
22.00	2		3	1	10	10	10	21	22	21	20	15	19	6	6	4	1	2								173
21.50		2	2	8	6	8	11	14	15	14	10	7	11	2	2				1							113
21.00	1	3		5	6	10	8	3	3	4	3	2	2	2	1		1									54
20.50		2		3	4	4	4	6	6	1	2	1	1													34
20.00				1	2	2	2	3		1				1												12
19.50					2				1																	3
19.00												1														1
TOTALS	3	7	6	25	38	49	68	99	138	166	190	184	209	159	163	135	90	79	32	30	17	6	4	5	3	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-RADIALE-STYLION L	23.39	1.37	0.218X	+	7.226	1.08	0.617
X-THUMB-TIP REACH	74.13	3.88	1.747Y	+	33.275	3.05	

A BIVARIATE FREQUENCY TABLE FOR
RADIALE-STYLION LENGTH AND THUMB-TIP REACH, EXTENDED

THUMB-TIP REACH, EXTENDED

RADIALE-STYLION LENGTH	71 .25	73 .25	75 .25	77 .25	79 .25	81 .25	83 .25	85 .25	87 .25	89 .25	91 .25	93 .25	95 .25	97 .25	99 .25	TOT ALS
28.00												1				1
27.50									1	1		1	1		1	5
27.00							1	2	3	3	4	1		1		15
26.50							2	4	7	3	6	2	4			28
26.00						3	3	12	10	4	4	4	4	3		47
25.50			1		1	1	8	19	19	10	13	3	1	2		78
25.00			1	1	3	10	15	18	22	13	10	6	4	2		105
24.50			1	4	8	17	33	39	33	25	19	9	7	5		200
24.00			2	6	17	35	35	48	43	24	23	13	3	2		251
23.50			3	12	37	42	58	57	52	13	14	7				295
23.00		3	7	19	31	37	62	43	19	21	5	4	1			252
22.50		4	8	26	38	54	47	23	19	12	5	1	1			238
22.00		6	14	23	34	42	24	15	11	1	2		1			173
21.50	1	4	14	23	25	22	16	7				1				113
21.00	1	7	3	12	15	7	5	2	1		1					54
20.50	2	3	7	8	9	1	1	2	1							34
20.00		4	5	1	1	1										12
19.50		1		1	1											3
19.00								1								1
TOTALS	4	32	66	136	220	272	310	292	241	130	106	53	27	15	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-RADIALE-STYLION L	23.39	1.37	0.162X	+	9.806	1.12	0.576
X-THUMB-TIP,EXTENDED	83.83	4.88	2.054Y	+	35.797	3.99	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
RADIALE-STYLION LENGTH AND OVERHEAD REACH

OVERHEAD REACH

RADIALE-STYLION LENGTH	175 .75	178 .75	181 .75	184 .75	187 .75	190 .75	193 .75	196 .75	199 .75	202 .75	205 .75	208 .75	211 .75	214 .75	217 .75	220 .75	223 .75	226 .75	TOT ALS
28.00																	1		1
27.50												1		1	1		2		5
27.00										1	2	4	5	1	1	1			15
26.50									1	2	2	3	5	11	2	1	1		28
26.00								2	5	3	4	11	9	8	3	2			47
25.50								1	5	18	8	15	12	11	7		1		78
25.00						1	2	10	18	14	17	20	11	8	3		1		105
24.50					4	3	3	25	25	44	29	27	28	8	1	2		1	200
24.00			1	2	2	11	22	28	34	48	31	32	30	5	2	1	1	1	251
23.50			3	3	7	15	38	61	43	49	46	20	7	3					295
23.00	1			10	13	29	50	41	33	42	16	12	4		1				252
22.50		1	4	17	17	31	37	51	38	25	9	7	1						238
22.00			7	18	29	29	29	26	19	10	3	3							173
21.50	1	2	7	13	17	27	24	9	8	3	1		1						113
21.00		1	5	12	18	5	6	3	2	2									54
20.50		3	4	7	11	2	3	3		1									34
20.00	1	1	1	3	2	1	2	1											12
19.50	1		2																3
19.00					1														1
TOTALS	4	8	34	85	121	154	216	261	231	262	168	155	113	56	21	7	7	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-RADIALE-STYLION L	23.39	1.37	0.110X + 1.472	0.99	0.688
X-OVERHEAD REACH	199.23	8.56	4.303Y + 98.593	6.21	

A BIVARIATE FREQUENCY TABLE FOR
THUMB-TIP REACH AND THUMB-TIP REACH, EXTENDED

THUMB-TIP REACH, EXTENDED

THUMB-TIP REACH	71 .25	73 .25	75 .25	77 .25	79 .25	81 .25	83 .25	85 .25	87 .25	89 .25	91 .25	93 .25	95 .25	97 .25	99 .25	TOT ALS
86.75									1				2			3
85.75											3	1	1			5
84.75									1		1		2			4
83.75									2	1	3					6
82.75									5	5	2	3	1		1	17
81.75							2	4	5	4	6	3	3	3		30
80.75							5	4	9	4	6	2		2		32
79.75					1	3	12	17	19	9	12	3	2	1		79
78.75			1		1	1	11	22	17	15	14	1	4	3		90
77.75					6	10	27	31	24	10	11	9	3	4		135
76.75			1		9	23	31	36	22	16	14	6	4	1		163
75.75		1		2	9	28	34	34	29	14	6	2				159
74.75			1	5	22	32	38	38	28	20	7	14	3	1		209
73.75		1	3	7	20	39	37	35	24	11	5	2				184
72.75			4	13	31	39	37	24	21	10	8	2	1			190
71.75			9	27	27	34	26	18	13	3	5	3	1			166
70.75		3	9	28	27	20	20	12	10	5	2	2				138
69.75		5	8	15	23	17	14	8	6	2	1					99
68.75	1	6	6	13	15	11	9	5	1	1						68
67.75	2	5	10	7	10	10	3		2							49
66.75		6	7	11	8	2	2	2								38
65.75	1	3	5	7	4	1	1	2	1							25
64.75			1	1	3		1									6
63.75		1	1		3	1			1							7
62.75		1			1	1										3
TOTALS	4	32	66	136	220	272	310	292	241	130	106	53	27	15	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-THUMB-TIP REACH	74.13	3.88	0.472X + 34.562	3.12	0.594
X-THUMB-TIP,EXTENDED	83.83	4.88	0.747Y + 28.457	3.92	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
THUMB-TIP REACH AND OVERHEAD REACH

OVERHEAD REACH

THUMB-TIP REACH	175 .75	178 .75	181 .75	184 .75	187 .75	190 .75	193 .75	196 .75	199 .75	202 .75	205 .75	208 .75	211 .75	214 .75	217 .75	220 .75	223 .75	226 .75	TOTALS
86.75												1		1	1				3
85.75											1		2				2		5
84.75													1	1	1		1		4
83.75												2	4						6
82.75									1	2	1	2	5	2	2	1	1		17
81.75								2	1	3	3	4	9	5	2		1		30
80.75									2	4	3	8	4	7	2	2			32
79.75					1	2	2	3	8	13	12	17	8	10	3				79
78.75				1		2	3	6	10	11	16	16	15	6	1		1	2	90
77.75					1	3	6	22	20	22	22	19	10	5	2	2	1		135
76.75				1	1	5	15	22	22	31	18	16	21	7	3	1			163
75.75					4	7	13	27	22	33	19	19	9	5	1				159
74.75		1	1	4	7	10	23	27	34	45	22	17	14	3		1			209
73.75		1	2	4	10	15	21	32	30	31	18	14	4	1	1				184
72.75			3	8	13	21	20	37	32	33	12	8	5		1				190
71.75			3	8	15	20	34	30	17	19	11	6	1	2					166
70.75	2	1	8	12	11	21	21	27	17	4	7	4	1	1	1				138
69.75		1	1	11	12	22	19	12	10	9		2							99
68.75			6	6	16	10	16	8	3	1	2								68
67.75		1	3	13	11	6	11	2	1		1								49
66.75	2	1	4	8	8	4	7	2	1	1									38
65.75		2	1	8	7	3	4												25
64.75					3		1	2											6
63.75			1	1	3	2													7
62.75			1		1	1													3
TOTALS	4	8	34	85	121	154	216	261	231	262	168	155	113	56	21	7	7	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-THUMB-TIP REACH	74.13	3.88	0.288X	+	16.754	2.99	0.636
X-OVERHEAD REACH	199.23	8.56	1.404Y	+	95.145	6.60	

A BIVARIATE FREQUENCY TABLE FOR
THUMB-TIP REACH, EXTENDED AND OVERHEAD REACH

OVERHEAD REACH

THUMB-TIP REACH, EXTENDED	175 .75	178 .75	181 .75	184 .75	187 .75	190 .75	193 .75	196 .75	199 .75	202 .75	205 .75	208 .75	211 .75	214 .75	217 .75	220 .75	223 .75	226 .75	TOTALS
99.25																	1		1
97.25										2	2	4	3	1	2	1			15
95.25										2	1	4	7	5	5	1	2		27
93.25							1	4	1	9	4	10	11	9		2	1	1	53
91.25							1	8	6	19	10	24	18	13	5		1	1	106
89.25					2	2	4	8	8	26	20	26	22	7	4	1			130
87.25				1	1	6	15	30	34	44	37	32	26	11	2	1	1		241
85.25			2	2	6	14	13	37	51	66	45	33	14	7	1		1		292
83.25			1	5	12	25	52	58	58	52	26	8	7	3	2	1			310
81.25			4	13	22	35	47	54	51	23	10	11	2						272
79.25	1	3	6	24	30	31	44	35	15	13	13	2	3						220
77.25	1		10	12	25	30	30	18	5	4		1							136
75.25	1	4	7	16	11	9	6	8	2	2									66
73.25	1	1	4	10	10	2	3	1											32
71.25				2	2														4
TOTALS	4	8	34	85	121	154	216	261	231	262	168	155	113	56	21	7	7	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-THUMB-TIP,EXTENDED	83.83	4.88	0.394X	+	5.338	3.52	0.692
X-OVERHEAD REACH	199.23	8.56	1.214Y	+	97.452	6.18	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
NECK CIRCUMFERENCE AND SHOULDER CIRCUMFERENCE

SHOULDER CIRCUMFERENCE

NECK CIRCUMFERENCE	87 .25	89 .25	91 .25	93 .25	95 .25	97 .25	99 .25	101 .25	103 .25	105 .25	107 .25	109 .25	111 .25	113 .25	115 .25	117 .25	119 .25	121 .25	TOTALS
40.00									1										1
39.50																			0
39.00						2			1		1		1	1	2				8
38.50							1		1	2	1	1			2				8
38.00				1				1	3	1	1	3	2	2		3	1		18
37.50						1			2	4		3		1	3				14
37.00						1	1	6	6	7	7	4	1	1		1			35
36.50				2	2	1	1	3	7	5	7	7	4	2		1	1		43
36.00				2		5	6	19	16	12	15	7	3	1	3	1	2	1	93
35.50		1		1	6	5	17	21	12	11	13	11	4	3					105
35.00		1	1	3	8	20	27	36	36	27	15	14	3	3					194
34.50			1	8	19	23	30	28	21	19	14	8	3			1			175
34.00			3	8	25	30	53	38	33	26	20	6							242
33.50		1	2	14	33	30	37	20	18	9	7	4	2						177
33.00			5	21	28	56	51	34	31	12	6	5	1						250
32.50		1	7	20	28	31	30	22	11	10	2	2		1					165
32.00		4	5	16	32	32	27	21	18	6	3				1				165
31.50	1	1	9	14	16	18	17	12	4	3									95
31.00	1	1	4	12	16	9	8	10	3	1	1								66
30.50		4	8	5	1	3	2	2	1	1									27
30.00			3	3	2	4	5	1	1										19
29.50			3		1														4
29.00																			0
28.50					1														1
TOTALS	2	14	51	130	218	271	313	274	226	156	113	75	24	15	11	7	4	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-NECK CIRCUMFERENCE	33.75	1.68	0.171X	+	16.579	1.43	0.525
X-SHOULDER CIRCUMFER	100.41	5.14	1.610Y	+	46.076	4.37	

A BIVARIATE FREQUENCY TABLE FOR
NECK CIRCUMFERENCE AND CHEST CIRCUMFERENCE AT SCYE

CHEST CIRCUMFERENCE AT SCYE

NECK CIRCUMFERENCE	71 .25	73 .25	75 .25	77 .25	79 .25	81 .25	83 .25	85 .25	87 .25	89 .25	91 .25	93 .25	95 .25	97 .25	99 .25	101 .25	103 .25	TOTALS
40.00										1								1
39.50																		0
39.00						1	2			1		1		2	1			8
38.50								1	2	2	1				2			8
38.00						1			1	2	4	2	1	2	2	2	1	18
37.50									3	1	3		4	2		1		14
37.00						2	3	4	3	6	7	3	4			3		35
36.50					2	1	6	4	5	8	4	6	5	1	1			43
36.00				1	2	6	8	14	16	18	12	5	5	1	1	3	1	93
35.50				1	4	13	17	18	14	15	10	5	5	2	1			105
35.00		1	1	3	9	20	36	41	29	28	11	6	6	2	1			194
34.50				8	12	31	24	41	19	19	12	3	4		1	1		175
34.00			3	8	21	47	52	37	32	26	11	4	1					242
33.50		1	3	10	31	32	38	28	16	6	7	3	1	1				177
33.00		1	2	20	30	51	48	51	22	15	9	1						250
32.50		2	7	19	34	28	28	23	12	6	2	1	2		1			165
32.00		4	5	21	24	39	34	18	11	5	3				1			165
31.50		2	6	14	19	14	25	8	4	2	1							95
31.00	1	1	8	9	15	15	5	7	3	1		1						66
30.50		3	5	6	3	5	1	3				1						27
30.00			3	1	7	2	4	1	1									19
29.50		1		2	1													4
29.00																		0
28.50						1												1
TOTALS	1	16	43	123	214	309	331	299	193	162	97	42	38	13	12	10	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-NECK CIRCUMFERENCE	33.75	1.68	0.179X	+	18.669	1.42	0.531
X-CHEST CIRC AT SCYE	84.25	4.96	1.571Y	+	31.229	4.21	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
NECK CIRCUMFERENCE AND BUST CIRCUMFERENCE

BUST CIRCUMFERENCE

NECK CIRCUMFERENCE	75 .25	77 .25	79 .25	81 .25	83 .25	85 .25	87 .25	89 .25	91 .25	93 .25	95 .25	97 .25	99 .25	101 .25	103 .25	105 .25	107 .25	109 .25	111 .25	113 .25	TOT ALS
40.00													1								1
39.50																					0
39.00							1	2				1				2	1		1		8
38.50								1		1	2		1		1				2		8
38.00							2		1	1		4	2	2		3	3				18
37.50						1			1	2	1	1	2	1		3	1			1	14
37.00							4	2	5	5	5	4	1	3	1	3	2				35
36.50					2	2	1	4	8	5	5	2	6		5	2			1		43
36.00				2	2	4	5	10	18	12	9	10	9	2	2	5	1	2			93
35.50					2	7	13	12	19	18	10	10	8	2	2	1	1				105
35.00			2	1	11	7	29	36	32	22	17	13	14	5	4			1			194
34.50			3	2	11	24	22	30	25	18	18	7	8	3	2	1		1			175
34.00			1	6	19	34	42	35	37	28	22	9	3	6							242
33.50			5	4	18	30	36	31	25	10	7	4	4	2		1					177
33.00		1	1	10	23	37	57	40	40	16	13	8	2	2							250
32.50		3	7	13	16	30	30	28	12	12	3	6	2	1	2						165
32.00			6	10	28	32	28	31	14	7	4	2	2						1		165
31.50		1	5	9	19	19	15	12	8	3	1		2	1							95
31.00		2	5	4	11	15	9	8	5	5		2									66
30.50	1	1	2	8	5	1	5		1	3											27
30.00	1		2		7	1	5	2	1												19
29.50			1		1	1		1													4
29.00																					0
28.50							1														1
TOTALS	2	8	40	69	175	245	305	285	252	168	117	83	67	30	19	21	9	4	5	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-NECK CIRCUMFERENCE	33.75	1.68	0.148X	+	20.470	1.45	0.505
X-BUST CIRCUMFERENCE	89.73	5.70	1.717Y	+	31.778	4.92	

A BIVARIATE FREQUENCY TABLE FOR
NECK CIRCUMFERENCE AND CHEST CIRCUMFERENCE BELOW BUST

CHEST CIRCUMFERENCE BELOW BUST

NECK CIRCUMFERENCE	61 .25	63 .25	65 .25	67 .25	69 .25	71 .25	73 .25	75 .25	77 .25	79 .25	81 .25	83 .25	85 .25	87 .25	89 .25	91 .25	93 .25	95 .25	97 .25	TOT ALS
40.00											1									1
39.50																				0
39.00							1	2		1		1	1			1	1			8
38.50							2	1		1	2			1	1					8
38.00						1			4	2		2	1	2	2	2	1	1		18
37.50						2		1	1	1	4	1		2	1				1	14
37.00				1			4	7	3	5	4	4	4	2	1					35
36.50					3	1	3	4	8	4	8	3	6	1	1	1				43
36.00					4	7	18	9	23	8	6	5	6	3	3		1			93
35.50					6	10	22	16	18	14	6	7	3	1	1	1				105
35.00			1	6	13	17	37	33	36	24	14	7	6							194
34.50			1	7	16	26	29	31	21	19	12	5	5	3						175
34.00				6	23	37	52	46	33	30	9	5		1						242
33.50		1	2	13	20	33	47	22	18	13	4	3	1							177
33.00		2	7	15	31	55	44	46	31	11	2	2	4							250
32.50		3	7	23	23	32	31	22	10	6	6	1			1					165
32.00			6	18	28	38	33	18	14	7	1	2								165
31.50		1	3	11	22	22	14	9	9	4										95
31.00		1	7	11	9	15	7	11	1	4										66
30.50	1	1	3	6	4	5	3	1	1	2										27
30.00			2	4	4	6	1	1	1											19
29.50				1	2	1														4
29.00																				0
28.50						1														1
TOTALS	1	9	39	122	208	309	348	280	232	156	79	48	37	16	11	5	3	1	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-NECK CIRCUMFERENCE	33.75	1.68	0.171X	+	21.040	1.46	0.496
X-CHEST C BELOW BUST	74.33	4.87	1.441Y	+	25.693	4.23	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
NECK CIRCUMFERENCE AND WAIST CIRCUMFERENCE

WAIST CIRCUMFERENCE

NECK CIRCUMFERENCE	53 .25	55 .25	57 .25	59 .25	61 .25	63 .25	65 .25	67 .25	69 .25	71 .25	73 .25	75 .25	77 .25	79 .25	81 .25	83 .25	85 .25	87 .25	89 .25	91 .25	93 .25	95 .25	TOT ALS
40.00													1										1
39.50																							0
39.00								1	1	1					3					1		1	8
38.50										2	1	1	1	1		1		1					8
38.00					1			1	2	1	1	1	2	2		3	1	2	1				18
37.50						1	1	1	1	2		2		2	1	2	1						14
37.00						1	2	3	7	5	6	2	2	3	1	1	1			1			35
36.50			1	1		2	2	2	6	4	8	4	3	4	4	1		1					43
36.00					2	4	6	18	14	13	9	13	4	3	2	1	2	2					93
35.50				1	6	1	14	15	16	18	14	9	6	3	1	1							105
35.00			2	5	8	11	25	30	36	33	19	13	4	6	2								194
34.50				7	13	27	27	28	27	19	7	10	4	3	2		1						175
34.00			1	12	18	29	37	48	48	17	9	17	5				1						242
33.50			1	7	18	37	36	28	24	13	5	5	1	1	1								177
33.00			1	12	29	43	51	52	33	16	8	3	2										250
32.50		1	6	17	34	34	25	19	12	6	6	1	1	1	1	1							165
32.00		1	3	15	32	34	30	21	17	3	4	3	1				1						165
31.50			6	8	24	19	15	11	10	1	1												95
31.00	1		5	7	14	15	9	6	4	1	3	1											66
30.50		1	2	5	6	6	3	1	2	1													27
30.00			1	4	5	1	3	3	2														19
29.50				3		1																	4
29.00																							0
28.50							1																1
TOTALS	1	3	29	104	210	266	287	288	262	156	101	85	37	29	18	11	8	6	1	2	0	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-NECK CIRCUMFERENCE	33.75	1.68	0.165X	+	22.661	1.41	0.538
X-WAIST CIRCUMFERNCE	67.20	5.48	1.757Y	+	7.906	4.62	

A BIVARIATE FREQUENCY TABLE FOR
NECK CIRCUMFERENCE AND ABDOMINAL EXTENSION CIRCUMFERENCE

ABDOMINAL EXTENSION CIRCUMFERENCE

NECK CIRCUMFERENCE	65 .50	68 .00	70 .50	73 .00	75 .50	78 .00	80 .50	83 .00	85 .50	88 .00	90 .50	93 .00	95 .50	98 .00	100 .50	103 .00	105 .50	108 .00	110 .50	113 .00	115 .50	118 .00	TOT ALS
40.00															1								1
39.50																							0
39.00										1	1	1	1			1				2	1		8
38.50							1			1		1	1		2	1		1					8
38.00								2		1	2	1	1	3	3	1	1		2	1			18
37.50						1	1		1		2	2	1	1	1	3		1					14
37.00						2	1	1	3	5	4	5	1	4	2	1		2			1		35
36.50						1	1	4	2	2	7	7	5	2	1	4	1	3	1	2			43
36.00							3	7	6	15	8	21	10	8	4	2	5	1		2	1		93
35.50					1	3	2	9	17	13	13	14	10	9	5	4	2	2				1	105
35.00					2	10	9	16	19	33	32	28	16	16	10	2	1						194
34.50				1		5	17	21	26	25	24	17	15	11	5	1	5	1	1				175
34.00				1	8	6	21	29	39	31	33	29	20	10	8	6	1						242
33.50					6	9	20	25	33	29	25	10	12	3	4		1						177
33.00				1	4	18	21	40	42	49	30	23	13	6	2	1							250
32.50				4	8	17	16	30	32	15	19	12	7	1	1	1	1	1					165
32.00		1		4	6	8	28	27	33	26	14	7	4	4	1	1		1					165
31.50				3	6	6	16	17	14	14	8	9	2										95
31.00	1	1	2	3	5	8	7	12	8	4	4	5	1										66
30.50		1	1	2	5	2	6	2	3	4			1										27
30.00				1	1	6	4		1	3	2	1											19
29.50				2	1	1																	4
29.00																							0
28.50							1																1
TOTALS	1	3	17	54	98	173	245	282	268	232	192	130	77	49	31	24	8	8	6	4	2	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-NECK CIRCUMFERENCE	33.75	1.68	0.103X	+	24.928	1.50	0.447
X-ABDOMINAL EXT CIRC	85.64	7.28	1.939Y	+	20.205	6.51	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
NECK CIRCUMFERENCE AND BIACROMIAL BREADTH

BIACROMIAL BREADTH

NECK CIRCUMFERENCE	31 .00	31 .50	32 .00	32 .50	33 .00	33 .50	34 .00	34 .50	35 .00	35 .50	36 .00	36 .50	37 .00	37 .50	38 .00	38 .50	39 .00	39 .50	40 .00	40 .50	41 .00	41 .50	TOT ALS
40.00																	1						1
39.50																							0
39.00						1			1			1	2		1	1	1						8
38.50												2	2			1		1	2				8
38.00					1				1	1	1	2	1	2	1	3		3			1	1	18
37.50								1			2	2	3	1	1	2	1		1				14
37.00				1				2	1	1	7	7	4	1	1	4	4	1	1				35
36.50				1		1	1	2	3	1	4	5	7	9	1	5				2	1		43
36.00					1		3	7	8	6	8	18	12	9	7	6	3	2	1	1	1		93
35.50		1			1	2		7	5	11	15	14	12	14	12	3	4	2	2				105
35.00			1	1	4	4	6	6	14	22	21	29	30	12	16	14	6	4	2	1		1	194
34.50			2	2	6	8	12	15	19	22	23	16	14	16	8	5	3	3		1			175
34.00			1	1	3	14	17	15	31	30	27	34	24	20	12	4	9						242
33.50	1	2		2	3	10	16	15	23	20	27	16	15	11	5	7	3				1		177
33.00	1	1	1	1	4	12	16	24	29	42	45	29	21	11	6	3	1	3					250
32.50		3	1	5	7	7	17	15	23	20	26	22	7	5	4	2	1						165
32.00		3		4	5	5	19	26	22	25	21	11	8	10	4		1	1					165
31.50	3		2	3	5	9	10	9	13	11	10	10	3	5	2								95
31.00		1	1	2	3	6	6	9	12	6	4	8	5	2	1								66
30.50			1	4		1	6	2	6	3	1	1	1	1									27
30.00				1	2	2	5	2	1	2	2	1	1										19
29.50						1		3															4
29.00																							0
28.50						1																	1
TOTALS	5	11	10	28	45	84	134	160	212	223	244	228	172	129	82	60	38	20	9	5	4	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-NECK CIRCUMFERENCE	33.75	1.68	0.397X	+ 19.520	1.55	0.388
X-BIACROMIAL BREADTH	35.84	1.64	0.380Y	+ 23.019	1.51	

A BIVARIATE FREQUENCY TABLE FOR
NECK CIRCUMFERENCE AND BIDELTOID BREADTH

BIDELTOID BREADTH

NECK CIRCUMFERENCE	34 .75	35 .75	36 .75	37 .75	38 .75	39 .75	40 .75	41 .75	42 .75	43 .75	44 .75	45 .75	46 .75	47 .75	48 .75	49 .75	TOT ALS
40.00													1				1
39.50																	0
39.00						2			1		1	1	1			2	8
38.50								1	1		3	1		2			8
38.00					1				2	1	2	4	3	1	3	1	18
37.50								1	2	1	4	3	1	2			14
37.00							3	5	4	5	5	8	3	2			35
36.50					2		2	4	7	5	8	4	5	3	2	1	43
36.00				1		1	5	10	25	22	12	5	6	2	3	1	93
35.50				1	2	7	15	17	17	19	9	11	4	2	1		105
35.00	1		1	1	4	8	22	42	34	36	21	20	4				194
34.50				2	8	19	31	33	27	24	18	7	4	1	1		175
34.00			1	3	10	26	38	55	47	34	16	11	1				242
33.50			1	7	14	31	38	28	28	18	7	3	2				177
33.00			3	6	14	32	70	51	43	20	5	5	1				250
32.50		2	1	12	21	28	37	33	9	9	10	3					165
32.00		2	2	8	13	34	36	30	25	8	6			1			165
31.50		1	6	9	15	18	17	15	8	4	2						95
31.00		1	3	4	10	17	12	11	6	1	1						66
30.50		1	7	3	4	3	5	3		1							27
30.00			2	3	3	2	3	5	1								19
29.50		1	2			1											4
29.00																	0
28.50					1												1
TOTALS	1	8	29	60	122	229	334	344	287	208	130	86	36	16	10	5	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-NECK CIRCUMFERENCE	33.75	1.68	0.383X	+ 17.712	1.42	0.528
X-BIDELTOID BREADTH	41.87	2.31	0.729Y	+ 17.270	1.96	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
NECK CIRCUMFERENCE AND SHOULDER LENGTH

SHOULDER LENGTH

NECK CIRCUMFERENCE	11 .50	12 .00	12 .50	13 .00	13 .50	14 .00	14 .50	15 .00	15 .50	16 .00	16 .50	17 .00	17 .50	18 .00	18 .50	19 .00	TOT ALS
40.00											1						1
39.50																	0
39.00			1			2	2		2	1							8
38.50							1	1	1	1	3	1					8
38.00			1		1	4	3	1	3	3	1					1	18
37.50					2	1	3	5	2		1						14
37.00					8	1	8	3	6	6	3						35
36.50		1	2	1	2	10	7	12	2	4	1	1					43
36.00			1	2	8	18	19	14	15	8	6	1		1			93
35.50			2	4	4	27	17	18	23	6	3	1					105
35.00		1		4	10	30	42	35	32	23	9	4	3	1			194
34.50		3	5	15	17	26	32	28	17	15	11	4	1	1			175
34.00		1	4	18	33	32	50	39	36	17	7	4	1				242
33.50		1	2	17	18	36	35	26	18	12	7	4		1			177
33.00		3	5	12	20	54	51	43	36	18	5	2	1				250
32.50	1	3	4	14	14	27	39	28	17	8	5	4	1				165
32.00			2	9	24	33	25	28	29	9	3	2	1				165
31.50			4	4	11	27	14	15	10	8	1	1					95
31.00			3	6	9	14	10	8	7	5	4						66
30.50			2	3	3	7	4	3	1	2		2					27
30.00				1	2	5	6	1	3		1						19
29.50						1	2	1									4
29.00																	0
28.50						1											1
TOTALS	1	13	38	110	186	356	370	309	260	146	72	31	8	4	0	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-NECK CIRCUMFERENCE	33.75	1.68	0.223X + 30.480	1.66	0.136
X-SHOULDER LENGTH	14.66	1.02	0.083Y + 11.860	1.01	

A BIVARIATE FREQUENCY TABLE FOR
NECK CIRCUMFERENCE AND SPINE-TO-WRIST LENGTH (SLEEVE LENGTH SEGMENT)

SPINE-TO-WRIST LENGTH (SLEEVE LENGTH SEGMENT)

NECK CIRCUMFERENCE	67 .75	68 .75	69 .75	70 .75	71 .75	72 .75	73 .75	74 .75	75 .75	76 .75	77 .75	78 .75	79 .75	80 .75	81 .75	82 .75	83 .75	84 .75	85 .75	86 .75	87 .75	88 .75	89 .75	90 .75	TOT ALS
40.00																1									1
39.50																									0
39.00										1	1	2	1	2			1								8
38.50															1	2	1	1	2	1					8
38.00										1		1		3	2	1	1	2	3			1		2	1 18
37.50										1		2		3	2	2	1		1	1			1		14
37.00							1		1		3	2	3	3	7	2	4	1	2	2	2		2		35
36.50									2	5	1	2	4	5	4	6	3	3	2	4			2		43
36.00						1		3		1	10	10	13	8	15	8	8	7	4	3	1	1			93
35.50							3	1	1	5	12	11	14	14	18	9	7	5	3		2				105
35.00						1	4	2	10	15	12	15	39	26	19	18	9	11	5	3	1	3		1	194
34.50			1		2	1	5	4	5	14	20	18	21	17	18	24	12	6	5	1				1	175
34.00					1	2	6	9	11	17	23	33	34	29	24	16	12	11	7	3	2	2			242
33.50					1	2	6	8	9	20	23	21	21	20	17	9	12	4	2	1	1				177
33.00				2	1	6	2	14	18	20	26	34	36	35	18	16	12	4	3	2			1		250
32.50			1		1	7	7	17	14	19	24	16	18	18	12	4	6				1				165
32.00	1					7	12	8	13	27	18	18	22	11	9	8	7	2	1		1				165
31.50					1	2	4	8	6	18	8	19	8	10	4	5		1		1					95
31.00					2	1	4	5	11	5	12	10	9		2	4	1								66
30.50					1	2	2	3	2	5	5	2	2	1	2										27
30.00							2	2	5		4	3		1	2										19
29.50						1		1	1				1												4
29.00																									0
28.50								1																	1
TOTALS	1	0	2	2	10	33	58	86	109	174	202	219	246	206	176	135	97	58	40	22	12	7	7	3	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-NECK CIRCUMFERENCE	33.75	1.68	0.193X + 18.390	1.55	0.381
X-SPINE-TO-WRIST LTH	79.58	3.32	0.755Y + 54.103	3.07	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
SHOULDER CIRCUMFERENCE AND CHEST CIRCUMFERENCE AT SCYE

CHEST CIRCUMFERENCE AT SCYE

SHOULDER CIRCUMFERENCE	71 .25	73 .25	75 .25	77 .25	79 .25	81 .25	83 .25	85 .25	87 .25	89 .25	91 .25	93 .25	95 .25	97 .25	99 .25	101 .25	103 .25	TOT ALS
121.25																1		1
119.25														1	1	1	1	4
117.25													1		1	4	1	7
115.25											1		3	2	4	1		11
113.25											3	1	2	6	2	1		15
111.25										4	4	7	8	1				24
109.25									3	10	23	17	14	3	3	2		75
107.25								11	22	44	23	8	4		1			113
105.25							9	27	45	45	19	8	3					156
103.25						5	40	67	56	36	18	1	3					226
101.25					6	29	86	93	41	16	3							274
99.25			1	3	24	87	101	72	15	7	3							313
97.25				13	51	114	66	19	8									271
95.25			6	34	83	57	26	9	3									218
93.25		2	17	52	41	14	3	1										130
91.25		8	15	16	9	3												51
89.25		6	4	4														14
87.25	1			1														2
TOTALS	1	16	43	123	214	309	331	299	193	162	97	42	38	13	12	10	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-SHOULDER CIRCUMFER	100.41	5.14	0.910X	+	23.746	2.45	0.879
X-CHEST CIRC AT SCYE	84.25	4.96	0.849Y	-	1.001	2.37	

A BIVARIATE FREQUENCY TABLE FOR
SHOULDER CIRCUMFERENCE AND BUST CIRCUMFERENCE

BUST CIRCUMFERENCE

SHOULDER CIRCUMFERENCE	75 .25	77 .25	79 .25	81 .25	83 .25	85 .25	87 .25	89 .25	91 .25	93 .25	95 .25	97 .25	99 .25	101 .25	103 .25	105 .25	107 .25	109 .25	111 .25	113 .25	TOT ALS
121.25																		1			1
119.25															1	2	1				4
117.25																2	2	2	1		7
115.25												1	1		1	3	1		4		11
113.25										1		1	2	2	5	3	1				15
111.25										1	3	4	5	7	2	2					24
109.25									2	5	11	13	22	7	7	5	1	1		1	75
107.25							1	5	22	18	27	21	10	4	2	2	1				113
105.25					1	2	5	14	31	39	29	16	13	2	1	1	2				156
103.25					1	9	18	46	55	40	22	17	10	7		1					226
101.25					6	27	46	69	66	36	15	7	2								274
99.25				4	26	57	76	81	43	17	6		2	1							313
97.25			2	9	41	62	86	43	15	9	2	2									271
95.25		2	7	14	50	58	49	19	15	1	2	1									218
93.25		2	15	25	33	27	20	5	2	1											130
91.25	1	3	13	10	15	2	3	3	1												51
89.25	1		3	7	1	1	1														14
87.25		1			1																2
TOTALS	2	8	40	69	175	245	305	285	252	168	117	83	67	30	19	21	9	4	5	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-SHOULDER CIRCUMFER	100.41	5.14	0.730X	+	34.913	3.01	0.810
X-BUST CIRCUMFERENCE	89.73	5.70	0.899Y	-	0.545	3.34	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
SHOULDER CIRCUMFERENCE AND CHEST CIRCUMFERENCE BELOW BUST

CHEST CIRCUMFERENCE BELOW BUST

SHOULDER CIRCUMFERENCE	61 .25	63 .25	65 .25	67 .25	69 .25	71 .25	73 .25	75 .25	77 .25	79 .25	81 .25	83 .25	85 .25	87 .25	89 .25	91 .25	93 .25	95 .25	97 .25	TOT ALS
121.25																	1			1
119.25													1		1	1		1		4
117.25												1	1	1	2	1	1			7
115.25											2	3		2	2	1	1			11
113.25										1		1	7	1	4	1				15
111.25									3	3	9	5	2	1	1					24
109.25							1	4	8	14	13	15	13	5	1				1	75
107.25							9	9	24	33	20	10	4	3		1				113
105.25						3	15	34	39	42	13	5	3	2						156
103.25					3	14	46	45	68	28	11	7	3	1						226
101.25					9	31	88	62	52	21	7	1	3							274
99.25			4	9	36	79	84	66	23	8	4									313
97.25			5	22	51	81	58	40	10	4										271
95.25		2	4	35	62	62	35	11	5	2										218
93.25		4	13	34	31	29	11	8												130
91.25		2	8	19	12	9		1												51
89.25	1	1	4	3	3	1	1													14
87.25			1		1															2
TOTALS	1	9	39	122	208	309	348	280	232	156	79	48	37	16	11	5	3	1	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-SHOULDER CIRCUMFER	100.41	5.14	0.844X	+	37.682	3.09	0.799
X-CHEST C BELOW BUST	74.33	4.87	0.757Y	-	1.687	2.92	

A BIVARIATE FREQUENCY TABLE FOR
SHOULDER CIRCUMFERENCE AND WAIST CIRCUMFERENCE

WAIST CIRCUMFERENCE

SHOULDER CIRCUMFERENCE	53 .25	55 .25	57 .25	59 .25	61 .25	63 .25	65 .25	67 .25	69 .25	71 .25	73 .25	75 .25	77 .25	79 .25	81 .25	83 .25	85 .25	87 .25	89 .25	91 .25	93 .25	95 .25	TOT ALS
121.25																		1					1
119.25															1	1	1	1					4
117.25													2	1		1	1	1	1				7
115.25											1	2		1	1	1	2	1		1		1	11
113.25									1	2	1	1	3	2	3	2							15
111.25									2	3	5	4	4	3	3								24
109.25								3	6	13	5	17	7	11	7	3	1	1		1			75
107.25							2	7	24	21	22	19	7	6	3		1	1					113
105.25					1	3	11	27	42	24	15	20	9	2		1	1						156
103.25					4	9	34	47	52	35	26	11	2	3		2	1						226
101.25				4	16	29	41	72	60	27	19	4	2										274
99.25			1	7	32	60	77	62	47	17	4	5	1										313
97.25			4	15	52	65	61	43	19	10	1	1											271
95.25			6	31	50	57	41	21	6	4	1	1											218
93.25		3	8	28	31	35	16	6	2		1												130
91.25			7	14	18	7	4		1														51
89.25			3	5	5	1																	14
87.25	1				1																		2
TOTALS	1	3	29	104	210	266	287	288	262	156	101	85	37	29	18	11	8	6	1	2	0	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-SHOULDER CIRCUMFER	100.41	5.14	0.727X	+	51.556	3.25	0.775
X-WAIST CIRCUMFERNCE	67.20	5.48	0.826Y	-	15.738	3.46	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
SHOULDER CIRCUMFERENCE AND ABDOMINAL EXTENSION CIRCUMFERENCE

ABDOMINAL EXTENSION CIRCUMFERENCE

SHOULDER CIRCUMFERENCE	65.50	68.00	70.50	73.00	75.50	78.00	80.50	83.00	85.50	88.00	90.50	93.00	95.50	98.00	100.50	103.00	105.50	108.00	110.50	113.00	115.50	118.00	TOTALS
121.25																				1			1
119.25																1	1		2				4
117.25												1	2	1				1	1	1			7
115.25												1		1	2	2		2	1	1	1		11
113.25									1	1	1		1	2	3	3		1	1			1	15
111.25									1		2	9	2	5	2	1	1			1			24
109.25									4	7	10	7	16	8	9	8	3	1	1		1		75
107.25						2	3	7	10	13	22	18	15	10	6	5	2						113
105.25					1	4	3	17	27	25	31	19	11	10	4	2	1	1					156
103.25			1	1	2	5	11	29	35	49	35	27	16	7	4	2		2					226
101.25					4	16	31	45	62	46	42	17	7	4									274
99.25			1	6	14	26	57	63	46	43	32	18	6		1								313
97.25		2	2	10	22	45	53	46	48	27	9	7											271
95.25			4	13	25	29	46	50	22	16	6	5	1	1									218
93.25			4	10	17	34	28	19	10	5	2	1											130
91.25			4	12	11	10	7	5	2														51
89.25		1		2	2	2	6	1															14
87.25	1		1																				2
TOTALS	1	3	17	54	98	173	245	282	268	232	192	130	77	49	31	24	8	8	6	4	2	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-SHOULDER CIRCUMFER	100.41	5.14	0.496X	+	57.933	3.66	0.703
X-ABDOMINAL EXT CIRC	85.64	7.28	0.996Y	-	14.366	5.18	

A BIVARIATE FREQUENCY TABLE FOR
SHOULDER CIRCUMFERENCE AND HIP CIRCUMFERENCE-SEVEN INCHES BELOW WAIST LEVEL

HIP CIRCUMFERENCE-SEVEN INCHES BELOW WAIST LEVEL

SHOULDER CIRCUMFERENCE	77.25	79.25	81.25	83.25	85.25	87.25	89.25	91.25	93.25	95.25	97.25	99.25	101.25	103.25	105.25	107.25	109.25	111.25	113.25	115.25	117.25	119.25	121.25	TOTALS
121.25																				1				1
119.25																			1			1		4
117.25											1	1		2		1		1	1					7
115.25													4	1	1		1	1	3					11
113.25										1	2			1	5		2	1	1		2			15
111.25								1	1	1	1	7	3	5	1		3				1			24
109.25									3	3	12	13	13	13	9	2	5		1	1				75
107.25								4	11	13	20	28	18	8	4	7								113
105.25							1	4	14	23	35	27	25	11	9	3	2	1	1					156
103.25						2		9	21	43	49	38	30	18	9	3	1	2	1					226
101.25						5	7	22	47	57	54	52	16	10	3	1								274
99.25					1	8	21	48	80	59	52	29	10	5										313
97.25					4	19	40	52	47	62	32	12	3											271
95.25				5	14	16	43	50	44	19	16	6	5											218
93.25			1	6	12	20	30	33	17	5	4	1		1										130
91.25			2	6	10	9	10	8	5	1														51
89.25				1	1	4	5	2	1															14
87.25	1			1																				2
TOTALS	1	3	3	19	42	83	157	228	281	284	260	201	138	84	55	23	15	14	5	7	4	1	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-SHOULDER CIRCUMFER	100.41	5.14	0.684X	+	36.366	3.43	0.744
X-HIP C-7" BLW WAIST	93.64	5.59	0.809Y	+	12.402	3.73	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
SHOULDER CIRCUMFERENCE AND HIP CIRCUMFERENCE-NINE INCHES BELOW WAIST LEVEL

HIP CIRCUMFERENCE-NINE INCHES BELOW WAIST LEVEL

SHOULDER CIRCUMFERENCE	77.25	79.25	81.25	83.25	85.25	87.25	89.25	91.25	93.25	95.25	97.25	99.25	101.25	103.25	105.25	107.25	109.25	111.25	113.25	115.25	117.25	119.25	121.25	TOTALS
121.25																							1	1
119.25																	1	1		1	1			4
117.25											1	1	1		1	1		1					1	7
115.25												1		2	1	2	1		3	1				11
113.25												3	1	2	2	1		2	3		1			15
111.25										1	4	4	2	5	2	2	2		1				1	24
109.25									1	3	4	12	11	15	11	7	6	3	2					75
107.25						1		1	5	7	18	29	16	17	7	5	5	2						113
105.25							3	7	11	22	33	29	19	14	9	7		1		1				156
103.25						3	3	10	26	38	39	41	29	17	13	3	1	2	1					226
101.25				1		4	11	29	41	54	52	40	24	13	2	1	2							274
99.25				2	4	10	32	59	68	52	44	21	15	4	1	1								313
97.25			1	4	9	24	37	45	57	48	28	12	3	2	1									271
95.25		1	3	8	15	27	44	37	32	28	6	14	3											218
93.25	1		6	5	15	23	30	27	11	4	5	2			1									130
91.25	2	1	4	6	8	12	4	7	4	2	1													51
89.25		1		1	1	6	2	2	1															14
87.25			1	1																				2
TOTALS	3	3	15	28	52	110	166	224	257	259	235	209	124	91	51	30	18	12	10	3	2	3	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-SHOULDER CIRCUMFER	100.41	5.14	0.612X	+	42.106	3.58	0.717
X-HIP C-9" BLW WAIST	95.27	6.02	0.840Y	+	10.926	4.19	

A BIVARIATE FREQUENCY TABLE FOR
SHOULDER CIRCUMFERENCE AND VERTICAL TRUNK CIRCUMFERENCE

VERTICAL TRUNK CIRCUMFERENCE

SHOULDER CIRCUMFERENCE	135.25	137.25	139.25	141.25	143.25	145.25	147.25	149.25	151.25	153.25	155.25	157.25	159.25	161.25	163.25	165.25	167.25	169.25	171.25	173.25	175.25	177.25	TOTALS
121.25																				1			1
119.25																2			2				4
117.25													2			1		1	1	1		1	7
115.25															2	4	2	1		1	1		11
113.25											1	2	2		3		1	1	1	3		1	15
111.25										2	1	4	4	2	3	3		4	1				24
109.25								1	3	2	7	5	5	9	18	13	3	2	3	2	2		75
107.25				1			1	1	7	8	15	18	16	13	8	14	3	2	4	1	1		113
105.25						1	3	10	11	16	18	21	21	26	9	8	3	4	2	3			156
103.25				2	1	6	7	16	12	24	27	36	34	20	22	8	4	3	2	2			226
101.25				1	3	7	15	27	32	31	30	40	32	20	27	6	2	1					274
99.25			3	2	7	14	30	34	47	54	46	30	22	12	8		4						313
97.25	1		2	7	9	22	32	33	40	34	32	25	17	6	4	3	2		2				271
95.25	1		5	5	18	19	30	38	24	23	20	16	8	4	4	1	1		1				218
93.25		1	2	8	18	12	27	17	15	13	11	1	3	1		1							130
91.25		3	3	4	5	10	7	5	5	6		2		1									51
89.25				2	4	6		1	1														14
87.25						2																	2
TOTALS	2	4	15	32	65	99	152	183	197	213	208	200	166	114	108	64	25	19	19	14	4	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-SHOULDER CIRCUMFER	100.41	5.14	0.453X	+	30.458	4.09	0.606
X-VERTICAL TRUNK CIR	154.43	6.87	0.810Y	+	73.092	5.47	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
SHOULDER CIRCUMFERENCE AND VERTICAL TRUNK CIRCUMFERENCE, SITTING

VERTICAL TRUNK CIRCUMFERENCE, SITTING

SHOULDER CIRCUMFERENCE	133.25	135.25	137.25	139.25	141.25	143.25	145.25	147.25	149.25	151.25	153.25	155.25	157.25	159.25	161.25	163.25	165.25	167.25	169.25	171.25	TOT ALS
121.25															1						1
119.25												1				1	1	1			4
117.25										1		1				1	1	1	2		7
115.25												2	1	3		3	2				11
113.25									1		1	3	2	2	1	2	2		1		15
111.25							1		1	4	4	4	1	1	5	3					24
109.25							2	1	8	6	7	5	15	13	6	5	2	2	2	1	75
107.25				1		2	2	2	13	21	17	19	9	10	5	8	1	1	2		113
105.25				1	1	6	7	14	11	24	26	19	18	16	5	2	3	1	2		156
103.25			2	1	4	8	24	14	27	22	46	28	16	20	6	4	2	1	1		226
101.25			2	2	13	18	19	42	26	40	35	31	23	13	9	1					274
99.25		1	3	14	14	28	33	44	55	37	37	24	15	3	5						313
97.25	1	2	4	14	24	33	30	32	42	34	20	14	12	2	4	1	1			1	271
95.25	2	4	11	11	21	32	28	22	31	22	17	4	6	3	3		1				218
93.25	2	2	7	14	15	25	19	11	16	11	2	2	3	1							130
91.25	2	2	6	6	6	9	7	4	6	2	1										51
89.25			4	3	2	2	2			1											14
87.25			1		1																2
TOTALS	7	11	40	67	101	163	174	186	237	225	213	157	121	87	50	31	16	7	10	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-SHOULDER CIRCUMFER	100.41	5.14	0.442X	+	34.084	4.24	0.564
X-VERTICAL TRK C,SIT	150.07	6.56	0.720Y	+	77.769	5.41	

A BIVARIATE FREQUENCY TABLE FOR
SHOULDER CIRCUMFERENCE AND BIACROMIAL BREADTH

BIACROMIAL BREADTH

SHOULDER CIRCUMFERENCE	31.00	31.50	32.00	32.50	33.00	33.50	34.00	34.50	35.00	35.50	36.00	36.50	37.00	37.50	38.00	38.50	39.00	39.50	40.00	40.50	41.00	41.50	TOT ALS
121.25												1											1
119.25											1		1				1	1					4
117.25												1	2			2		1		1			7
115.25													1	3		1	2	2	2				11
113.25											1	1	3	1	3	1	1		1	1	1	1	15
111.25								2	2	1	2	1	1	3	4	3	3			1	1		24
109.25							1			2	14	8	17	11	6	8	2	3	1		2		75
107.25						1	4	5	5	5	9	12	14	19	9	13	10	4	1	1		1	113
105.25					1	1	2	9	8	16	24	21	27	13	14	8	5	3	3	1			156
103.25			1	1	2	4	3	10	16	23	32	45	33	20	17	9	5	5					226
101.25		1			3	8	14	17	31	34	38	43	30	19	19	8	7	1	1				274
99.25		1	1	2	8	11	24	30	41	51	47	42	23	23	5	2	2						313
97.25		1		7	5	18	25	28	45	41	40	31	14	11	2	3							271
95.25	1	3	4	7	6	18	27	33	35	33	23	14	5	5	2	2							218
93.25	1	3	2	7	11	12	22	15	23	13	11	7	1	1	1								130
91.25	1	2	1	3	6	9	9	9	6	2	2	1											51
89.25	1		1	1	3	1	3	2		2													14
87.25	1					1																	2
TOTALS	5	11	10	28	45	84	134	160	212	223	244	228	172	129	82	60	38	20	9	5	4	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-SHOULDER CIRCUMFER	100.41	5.14	1.823X	+	35.070	4.18	0.581
X-BIACROMIAL BREADTH	35.84	1.64	0.186Y	+	17.167	1.33	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
SHOULDER CIRCUMFERENCE AND BIDELTOID BREADTH

BIDELTOID BREADTH

SHOULDER CIRCUMFERENCE	34 .75	35 .75	36 .75	37 .75	38 .75	39 .75	40 .75	41 .75	42 .75	43 .75	44 .75	45 .75	46 .75	47 .75	48 .75	49 .75	TOT ALS
121.25															1		1
119.25															3	1	4
117.25												1	1	2	3		7
115.25												2		6	1	2	11
113.25											1	4	5	2	1	2	15
111.25											5	10	9				24
109.25									2	7	19	28	13	5	1		75
107.25								4	12	31	39	20	6	1			113
105.25								13	39	56	36	11	1				156
103.25						1	7	52	78	63	16	8	1				226
101.25					3	4	31	94	94	36	10	2					274
99.25					2	26	117	109	45	10	4						313
97.25			1	1	12	76	113	54	9	5							271
95.25		1	1	9	42	90	49	18	8								218
93.25		2	8	29	47	27	17										130
91.25		3	14	16	14	4											51
89.25	1	1	4	5	2	1											14
87.25		1	1														2
TOTALS	1	8	29	60	122	229	334	344	287	208	130	86	36	16	10	5	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-SHOULDER CIRCUMFER	100.41	5.14	1.678X	+	17.587	2.34	0.890
X-BIDELTOID BREADTH	41.87	2.31	0.401Y	+	1.608	1.05	

A BIVARIATE FREQUENCY TABLE FOR
SHOULDER CIRCUMFERENCE AND NECK-TO-RUSTPOINT LENGTH

NECK-TO-RUSTPOINT LENGTH

SHOULDER CIRCUMFERENCE	19 .75	20 .75	21 .75	22 .75	23 .75	24 .75	25 .75	26 .75	27 .75	28 .75	29 .75	30 .75	31 .75	TOT ALS
121.25													1	1
119.25									1	2	1			4
117.25									3	3		1		7
115.25								3		2	4	1	1	11
113.25							2	2	4	2	3	2		15
111.25						1	2	4	6	4	2	4	1	24
109.25						3	5	14	15	15	11	7	3	2	75
107.25				1	3	4	16	22	25	24	7	6	4	1	113
105.25				1	1	11	30	32	29	32	14	5	1		156
103.25				6	4	22	45	54	43	28	17	6	1		226
101.25			3	3	14	44	55	67	44	26	13	4	1		274
99.25			3	13	21	63	70	75	41	20	5	2			313
97.25				11	31	48	67	61	35	14	3	1			271
95.25			3	2	28	63	55	35	25	5	2				218
93.25			3	11	24	28	35	19	6	4					130
91.25		1		6	15	9	11	2	7						51
89.25				1	2	5	3	2	1						14
87.25					1		1								2
TOTALS	1	1	12	55	144	301	395	349	282	181	83	43	15	5	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-SHOULDER CIRCUMFER	100.41	5.14	1.799X	+	64.746	4.41	0.515
X-NECK-RUSTPOINT L	25.49	1.89	0.189Y	+	6.517	1.62	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
SHOULDER CIRCUMFERENCE AND SPINE-TO-WRIST LENGTH (SLEEVE LENGTH SEGMENT)

SPINE-TO-WRIST LENGTH (SLEEVE LENGTH SEGMENT)

SHOULDER CIRCUMFERENCE	67 .75	68 .75	69 .75	70 .75	71 .75	72 .75	73 .75	74 .75	75 .75	76 .75	77 .75	78 .75	79 .75	80 .75	81 .75	82 .75	83 .75	84 .75	85 .75	86 .75	87 .75	88 .75	89 .75	90 .75	TOT ALS
121.25																1									1
119.25												1		1	1		1								4
117.25													1	1	1			1	1				1	1	7
115.25										1		1		1		1	1	1	2	1	1	1			11
113.25											2		2	1	3		2		1	2	1			1	15
111.25									1	1		2		4	6	4	1	1	3				1		24
109.25									1	3	2	5	8	8	10	10	9	11	3	1	2	1	1		75
107.25							1	1	5	5	7	4	7	15	16	14	13	8	4	5	4	1	2	1	113
105.25							2	3	6	8	11	19	19	16	23	14	12	4	10	4	3	1	1		156
103.25						3	2	1	6	19	21	15	32	28	34	26	15	11	7	5		1			226
101.25					1	1	7	8	9	19	24	36	50	38	20	26	14	12	4	3		1	1		274
99.25					1	3	6	14	16	31	49	40	42	42	33	13	14	4	3	1	1				313
97.25					3	7	8	17	21	33	36	38	40	26	14	13	11	2	1			1			271
95.25			2		3	5	13	15	20	23	28	34	31	16	11	11	3	2	1						218
93.25	1			1		10	9	15	13	23	16	19	11	8	1	2		1							130
91.25				1	2	2	5	7	10	8	4	4	3	1	3		1								51
89.25						2	5	3	1		2	1													14
87.25								2																	2
TOTALS	1	0	2	2	10	33	58	86	109	174	202	219	246	206	176	135	97	58	40	22	12	7	7	3	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-SHOULDER CIRCUMFER	100.41	5.14	0.758X	+	40.088	4.48	0.490
X-SPINE-TO-WRIST LTH	79.58	3.32	0.316Y	+	47.853	2.89	

A BIVARIATE FREQUENCY TABLE FOR
CHEST CIRCUMFERENCE AT SCYE AND BUST CIRCUMFERENCE

BUST CIRCUMFERENCE

CHEST CIRCUMFERENCE AT SCYE	75 .25	77 .25	79 .25	81 .25	83 .25	85 .25	87 .25	89 .25	91 .25	93 .25	95 .25	97 .25	99 .25	101 .25	103 .25	105 .25	107 .25	109 .25	111 .25	113 .25	TOT ALS
103.25																1	1				2
101.25															2	4	1	2		1	10
99.25															2	3	2	1	4		12
97.25													2	3	2	3	2	1			13
95.25										1	1	7	10	6	5	4	3		1		38
93.25										3	5	9	12	6	4	3					42
91.25									3	12	19	24	22	11	3	3					97
89.25							3	4	31	37	48	21	15	2	1						162
87.25						6	6	26	58	45	28	18	5	1							193
85.25					3	11	47	87	85	46	14	4	1	1							299
83.25				1	16	55	86	102	52	17	2										331
81.25			2	5	35	86	100	56	19	6											309
79.25		2	3	14	68	63	52	7	4	1											214
77.25		2	12	29	43	23	11	3													123
75.25	1	2	16	14	9	1															43
73.25	1	1	7	6	1																16
71.25		1																			1
TOTALS	2	8	40	69	175	245	305	285	252	168	117	83	67	30	19	21	9	4	5	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-CHEST CIRC AT SCYE	84.25	4.96	0.773X	+	14.891	2.28	0.888
X-BUST CIRCUMFERENCE	89.73	5.70	1.021Y	+	3.708	2.62	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
CHEST CIRCUMFERENCE AT SCYE AND CHEST CIRCUMFERENCE BELOW BUST

CHEST CIRCUMFERENCE BELOW BUST

CHEST CIRCUMFERENCE AT SCYE	61 .25	63 .25	65 .25	67 .25	69 .25	71 .25	73 .25	75 .25	77 .25	79 .25	81 .25	83 .25	85 .25	87 .25	89 .25	91 .25	93 .25	95 .25	97 .25	TOT ALS
103.25															1		1			2
101.25												1	2	2	2	1	1		1	10
99.25												1	1	3	4	1	1	1		12
97.25											1	4	1	1	3	3				13
95.25							1	1	2	7	7	9	9	2						38
93.25								4	3	10	7	9	5	4						42
91.25							6	7	17	21	20	11	10	4	1					97
89.25					1	2	16	26	48	37	22	5	5							162
87.25					4	10	36	37	48	40	9	7	2							193
85.25				3	6	26	88	72	64	29	8	1	2							299
83.25			2	5	23	89	90	69	39	9	5									331
81.25			4	23	55	94	79	44	8	2										309
79.25		3	4	31	67	60	29	16	3	1										214
77.25		2	8	43	43	22	2	3												123
75.25		3	14	12	7	5	1	1												43
73.25	1	1	6	5	2	1														16
71.25			1																	1
TOTALS	1	9	39	122	208	309	348	280	232	156	79	48	37	16	11	5	3	1	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-CHEST CIRC AT SCYE	84.25	4.96	0.837X	+	22.038	2.84	0.821
X-CHEST C BELOW BUST	74.33	4.87	0.805Y	+	6.505	2.78	

A BIVARIATE FREQUENCY TABLE FOR
CHEST CIRCUMFERENCE AT SCYE AND WAIST CIRCUMFERENCE

WAIST CIRCUMFERENCE

CHEST CIRCUMFERENCE AT SCYE	53 .25	55 .25	57 .25	59 .25	61 .25	63 .25	65 .25	67 .25	69 .25	71 .25	73 .25	75 .25	77 .25	79 .25	81 .25	83 .25	85 .25	87 .25	89 .25	91 .25	93 .25	95 .25	TOT ALS
103.25																		1	1				2
101.25													1	1	1	3	1	2		1			10
99.25													1	1	2	1	3	3				1	12
97.25										1		1	2	3	2	3				1			13
95.25								1	1	3	2	13	5	7	3	2	1						38
93.25						1		1	5	3	10	4	6	7	4		1						42
91.25							1	6	14	18	19	16	8	8	4	1	2						97
89.25							12	21	36	39	20	21	8	2	2	1							162
87.25				1	5	10	16	30	50	37	23	18	3										193
85.25			1	4	16	26	62	68	65	30	16	8	3										299
83.25			2	7	32	58	62	94	56	11	7	2											331
81.25				20	52	71	81	44	23	13	4	1											309
79.25			9	29	51	60	40	13	10	1		1											214
77.25		3	8	25	37	32	10	8															123
75.25			5	14	12	6	2	2	2														43
73.25			4	4	5	2	1																16
71.25	1																						1
TOTALS	1	3	29	104	210	266	287	288	262	156	101	85	37	29	18	11	8	6	1	2	0	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-CHEST CIRC AT SCYE	84.25	4.96	0.714X	+	36.266	3.05	0.788
X-WAIST CIRCUMFERNCE	67.20	5.48	0.870Y	-	6.093	3.37	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
CHEST CIRCUMFERENCE AT SCYE AND ABDOMINAL EXTENSION CIRCUMFERENCE

ABDOMINAL EXTENSION CIRCUMFERENCE

CHEST CIRCUMFERENCE AT SCYE	65.50	68.00	70.50	73.00	75.50	78.00	80.50	83.00	85.50	88.00	90.50	93.00	95.50	98.00	100.50	103.00	105.50	108.00	110.50	113.00	115.50	118.00	TOT ALS
103.25																			1	1			2
101.25												1	1	1	2	1	1		1	1	1		10
99.25													1	1	1	1	2	3	2	1			12
97.25									1		1	2			3	4					1	1	13
95.25									2	3		5	6	7	7	5		2	1				38
93.25								2	1	4	5	5	7	7	4	4	2			1			42
91.25						1		2	8	8	23	12	19	9	4	5	2	3	1				97
89.25					1	3	8	11	15	27	34	27	12	13	6	4	1						162
87.25					3	7	9	24	34	33	35	25	13	9	1								193
85.25				2	7	15	33	57	46	51	40	31	13	2	2								299
83.25		1	2	6	8	35	42	58	75	58	29	12	4		1								331
81.25		1	3	3	18	40	70	65	52	30	18	8	1										309
79.25			2	23	31	32	47	31	25	16	6	1											214
77.25			9	9	23	25	23	23	8	2		1											123
75.25				6	6	12	11	7			1												43
73.25		1	1	5	1	3	2	2	1														16
71.25	1																						1
TOTALS	1	3	17	54	98	173	245	282	268	232	192	130	77	49	31	24	8	8	6	4	2	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-CHEST CIRC AT SCYE	84.25	4.96	0.487X	+	42.540	3.47	0.715
X-ABDOMINAL EXT CIRC	85.64	7.28	1.048Y	-	2.648	5.09	

A BIVARIATE FREQUENCY TABLE FOR
CHEST CIRCUMFERENCE AT SCYE AND HIP CIRCUMFERENCE-SEVEN INCHES BELOW WAIST LEVEL

HIP CIRCUMFERENCE-SEVEN INCHES BELOW WAIST LEVEL

CHEST CIRCUMFERENCE AT SCYE	77.25	79.25	81.25	83.25	85.25	87.25	89.25	91.25	93.25	95.25	97.25	99.25	101.25	103.25	105.25	107.25	109.25	111.25	113.25	115.25	117.25	TOT ALS
103.25																			1		1	2
101.25												1	1	2	2		1	1	1	1		10
99.25												1		1	2	1	2	2	3			12
97.25											1	1	1	1	2	2	1	2		1	1	13
95.25											1	4	8	6	8	7	2	1			1	38
93.25									1	2	4	4	2	5	8	7	4	2	2		1	42
91.25										4	4	17	19	15	13	12	3	4	4	1	1	97
89.25							1	1	13	20	25	26	37	19	12	2	5	1				162
87.25						2	2	7	14	45	38	40	20	13	7	3	1		1			193
85.25						2	9	27	56	54	51	53	33	11	2	1						299
83.25				1	1	10	25	49	67	68	62	31	10	5	1			1				331
81.25				1	6	18	41	61	61	55	37	19	6	4								309
79.25			1	1	16	25	38	39	44	23	20	4	2	1								214
77.25				9	14	15	20	29	16	8	4											123
75.25				4	5	8	10	10	3	3												43
73.25			2	3		3	3	4	1													16
71.25	1																					1
TOTALS	1	3	19	42	83	157	228	281	284	260	201	138	84	55	23	15	14	5	7	4	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-CHEST CIRC AT SCYE	84.25	4.96	0.643X	+	24.041	3.43	0.723
X-HIP C-7" BLW WAIST	93.64	5.59	0.814Y	+	25.058	3.86	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
CHEST CIRCUMFERENCE AT SCYE AND HIP CIRCUMFERENCE-NINE INCHES BELOW WAIST LEVEL

HIP CIRCUMFERENCE-NINE INCHES BELOW WAIST LEVEL

CHEST CIRCUMFERENCE AT SCYE	77 .25	79 .25	81 .25	83 .25	85 .25	87 .25	89 .25	91 .25	93 .25	95 .25	97 .25	99 .25	101 .25	103 .25	105 .25	107 .25	109 .25	111 .25	113 .25	115 .25	117 .25	119 .25	TOT ALS
103.25																					1	1	2
101.25											1		1	1	1	1	1	2	1			1	10
99.25												3		1	2			1	3	2			12
97.25										1		2	1		2	2	1	2	1		1		13
95.25											4	6	7	7	2	7	3		2				38
93.25						1		1	2	3	5	5	3	6	9	2	2	1	1			1	42
91.25									3	7	13	24	13	18	6	5	4	2	2				97
89.25							3	6	11	21	26	31	20	18	12	7	5	2					162
87.25						2	5	17	22	28	41	27	21	14	9	3	1	2		1			193
85.25				2		2	15	31	46	53	47	53	26	16	6	2							299
83.25			1	1	1	14	32	48	62	74	44	24	23	5	1	1							331
81.25			1	7	10	25	42	55	58	42	32	23	8	5			1						309
79.25	1		1	7	23	26	37	36	35	21	14	11	1		1								214
77.25		2	6	7	12	22	25	23	13	6	7												123
75.25		1	3	3	5	14	6	4	4	3													43
73.25	2		2	1	1	4	1	3	1		1												16
71.25			1																				1
TOTALS	3	3	15	28	52	110	166	224	257	259	235	209	124	91	51	30	18	12	10	3	2	3	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-CHEST CIRC AT SCYE	84.25	4.96	0.566X	+	30.325	3.61	0.686
X-HIP C-9" BLW WAIST	95.27	6.02	0.832Y	+	25.177	4.38	

A BIVARIATE FREQUENCY TABLE FOR
CHEST CIRCUMFERENCE AT SCYE AND VERTICAL TRUNK CIRCUMFERENCE

VERTICAL TRUNK CIRCUMFERENCE

CHEST CIRCUMFERENCE AT SCYE	135 .25	137 .25	139 .25	141 .25	143 .25	145 .25	147 .25	149 .25	151 .25	153 .25	155 .25	157 .25	159 .25	161 .25	163 .25	165 .25	167 .25	169 .25	171 .25	173 .25	175 .25	177 .25	TOT ALS
103.25																			2				2
101.25															1	2	1	1	1	3		1	10
99.25													1		1	2	2		3	1	2		12
97.25										1	1		1		2	3		1		3		1	13
95.25											4	5	6	3	8	5	1	3	1	1	1		38
93.25								2	2	2	1	3	3	5	11	6		3	1	2	1		42
91.25									6	4	5	23	11	11	13	14	2	2	3	3			97
89.25					1	1	1	2	4	10	14	22	25	21	30	11	7	4	6	3			162
87.25							2	6	9	16	17	31	20	36	13	20	11	6	3	2	1		193
85.25				1	2		7	16	24	26	40	43	48	38	25	14	9	4		2			299
83.25	1			5	2	10	12	26	52	39	50	39	33	25	15	16	2	3		1			331
81.25				1	6	13	20	34	37	45	52	40	25	15	10	7	3	1					309
79.25			1	1	6	16	22	41	36	38	14	18	9	7		4		1					214
77.25		1	1	4	7	15	20	20	15	12	14	3	8	2	1								123
75.25			1	2	5	8	9	6	4	3	3	1	1										43
73.25			1	1	3	2	5	1			2				1								16
71.25							1																1
TOTALS	2	4	15	32	65	99	152	183	197	213	208	200	186	114	108	64	25	19	19	14	4	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-CHEST CIRC AT SCYE	84.25	4.96	0.459X	+	13.367	3.83	0.635
X-VERTICAL TRUNK CIR	154.43	6.87	0.879Y	+	80.371	5.30	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
CHEST CIRCUMFERENCE AT SCYE AND VERTICAL TRUNK CIRCUMFERENCE, SITTING

VERTICAL TRUNK CIRCUMFERENCE, SITTING

CHEST CIRCUMFERENCE AT SCYE	133.25	135.25	137.25	139.25	141.25	143.25	145.25	147.25	149.25	151.25	153.25	155.25	157.25	159.25	161.25	163.25	165.25	167.25	169.25	171.25	TOTALS
103.25																	1		1		2
101.25												1		1	2	2	1	1	2		10
99.25												3	1	1		3	1	3			12
97.25							1		1	1			1	2	1	4	1		1		13
95.25									3	4	4	7	6	5	2	3	1	1	1	1	38
93.25						1	3	1	3	2	1	7	8	5	6	3		1	1		42
91.25								2	9	11	20	11	11	15	6	6	4	1	1		97
89.25				2		5	5	8	15	26	30	23	18	18	4	4	3		1		162
87.25					2	5	12	22	23	23	33	24	17	15	10	3	3		1		193
85.25			3	3	10	19	24	33	41	49	43	37	18	9	6	2	1		1		299
83.25	1	2	7	11	15	28	35	41	53	41	42	20	18	11	4					1	331
81.25		3	4	16	21	40	35	41	45	38	26	12	16	3	8	1					309
79.25	1	1	8	13	28	36	26	28	30	20	6	10	4	2	1						214
77.25	3	2	10	14	13	20	25	8	10	7	6	2	3								123
75.25	1	2	5	4	10	6	7	2	3	2	1										43
73.25	1	1	3	4		3	1		1	1	1										16
71.25					1																1
TOTALS	7	11	40	67	101	163	174	186	237	225	213	157	121	87	50	31	16	7	10	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-CHEST CIRC AT SCYE	84.25	4.96	0.444X	+	17.620	4.02	0.587
X-VERTICAL TRK C,SIT	159.07	6.56	0.775Y	+	84.773	5.31	

A BIVARIATE FREQUENCY TABLE FOR
CHEST CIRCUMFERENCE AT SCYE AND BICEPS CIRCUMFERENCE, FLEXED, RIGHT

BICEPS CIRCUMFERENCE, FLEXED, RIGHT

CHEST CIRCUMFERENCE AT SCYE	20.75	21.75	22.75	23.75	24.75	25.75	26.75	27.75	28.75	29.75	30.75	31.75	32.75	33.75	34.75	35.75	36.75	37.75	38.75	TOTALS
103.25												1				1				2
101.25								1	1	1	3		1				2		1	10
99.25									1	1	3	2	1	1	1	1	1			12
97.25							1	1		3	2	4	1		1					13
95.25							3	4	3	7	7	7		5	1		1			38
93.25						1	2	5	9	10	6	5	1	3						42
91.25					2	3	4	26	14	23	16	4	5							97
89.25					5	11	22	33	38	30	17	5	1							162
87.25				3	11	21	50	53	21	20	10	4								193
85.25			1	9	15	57	71	77	41	16	12									299
83.25			6	12	51	82	85	60	20	10	4		1							331
81.25		1	5	37	71	83	67	33	4	4	3		1							309
79.25	1	2	12	51	57	53	23	12	3											214
77.25	1	10	23	34	30	16	5	3	1											123
75.25		1	9	20	9	2	1	1												43
73.25	1	2	4	5	2	2														16
71.25	1																			1
TOTALS	4	16	60	171	253	331	334	309	156	125	87	32	12	9	3	2	4	0	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-CHEST CIRC AT SCYE	84.25	4.96	1.580X	+	41.914	3.35	0.737
X-BICEPS C,FLEXED,.R	26.79	2.32	0.344Y	-	2.188	1.56	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
CHEST CIRCUMFERENCE AT SCYE AND ELBOW CIRCUMFERENCE, FLEXED

ELBOW CIRCUMFERENCE, FLEXED

CHEST CIRCUMFERENCE AT SCYE	21 .75	22 .75	23 .75	24 .75	25 .75	26 .75	27 .75	28 .75	29 .75	30 .75	31 .75	32 .75	33 .75	34 .75	35 .75	TOT ALS
103.25							2									2
101.25							1	4	1		2	1			1	10
99.25							3	3	2	2	1		1			12
97.25						2	4	1	3	1	2					13
95.25					3	3	12	6	7	5	1	1				38
93.25					2	9	9	11	8	2	1					42
91.25			1	1	7	18	29	24	10	6	1					97
89.25			2	10	18	25	33	36	22	9	7					162
87.25			2	7	27	50	41	43	19	4						193
85.25			7	26	50	71	71	40	20	9	5					299
83.25	1	1	9	29	67	97	62	46	15	4						331
81.25		2	14	49	87	72	56	16	12	1						309
79.25	1	8	17	49	52	56	15	10	5	1						214
77.25		9	11	27	34	21	12	8	1							123
75.25		3	8	14	7	9	1	1								43
73.25	1	3	3	3	5	1										16
71.25	1															1
TOTALS	4	26	74	215	359	434	351	249	125	44	20	2	1	0	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-CHEST CIRC AT SCYE	84.25	4.96	1.401X	+	46.455	4.29	0.503
X-ELBOW CIRC, FLEXED	26.98	1.78	0.181Y	+	11.727	1.54	

A BIVARIATE FREQUENCY TABLE FOR
CHEST CIRCUMFERENCE AT SCYE AND WRIST CIRCUMFERENCE

WRIST CIRCUMFERENCE

CHEST CIRCUMFERENCE AT SCYE	12 .50	13 .00	13 .50	14 .00	14 .50	15 .00	15 .50	16 .00	16 .50	17 .00	17 .50	TOT ALS
103.25							1	1				2
101.25							2		3	1	4	10
99.25					1	1		4	4	2		12
97.25				2		1	4	1	4	1		13
95.25					3	8	14	5	6	2		38
93.25					1	10	15	7	7	2		42
91.25				4	8	27	32	16	6	4		97
89.25			1	7	21	40	57	28	8			162
87.25			3	10	30	52	63	20	14	1		193
85.25			4	17	68	97	84	25	3		1	299
83.25			5	46	80	110	59	27	2	2		331
81.25		1	9	63	92	70	47	14	3	1		309
79.25		1	15	43	78	59	17	1				214
77.25	1		19	39	33	25	6					123
75.25			3	18	11	11						43
73.25		1	2	7	6							16
71.25			1									1
TOTALS	1	3	62	256	432	520	401	149	60	16	5	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-CHEST CIRC AT SCYE	84.25	4.96	3.713X	+	28.693	4.20	0.532
X-WRIST CIRCUMFERNCE	14.96	0.71	0.076Y	+	8.560	0.60	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
CHEST CIRCUMFERENCE AT SCYE AND CHEST BREADTH

CHEST BREADTH

CHEST CIRCUMFERENCE AT SCYE	22 .75	23 .75	24 .75	25 .75	26 .75	27 .75	28 .75	29 .75	30 .75	31 .75	32 .75	33 .75	34 .75	35 .75	TOT ALS
103.25									1					1	2
101.25									1	1	2	4	2		10
99.25							1		1	4	2	4			12
97.25								1	1	5	3	2	1		13
95.25						1	4	7	8	15	3				38
93.25						2	6	7	9	12	3	1	2		42
91.25					2	6	22	26	24	10	6		1		97
89.25				2	5	16	45	45	33	13	3				162
87.25				5	17	43	59	38	22	8	1				193
85.25			1	15	48	98	85	37	11	4					299
83.25			7	20	83	111	72	28	8	2					331
81.25		2	7	66	104	76	42	9	2	1					309
79.25	1	2	25	55	79	36	14	2							214
77.25		8	23	48	27	12	5								123
75.25	1	8	13	9	10	2									43
73.25	1	3	7	2	3										16
71.25		1													1
TOTALS	3	24	83	222	378	403	355	200	121	75	23	11	6	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-CHEST CIRC AT SCYE	84.25	4.96	1.985X	+	28.679	3.19	0.766
X-CHEST BREADTH	27.99	1.91	0.295Y	+	3.141	1.23	

A BIVARIATE FREQUENCY TABLE FOR
CHEST CIRCUMFERENCE AT SCYE AND CHEST DEPTH

CHEST DEPTH

CHEST CIRCUMFERENCE AT SCYE	18 .75	19 .75	20 .75	21 .75	22 .75	23 .75	24 .75	25 .75	26 .75	27 .75	28 .75	29 .75	30 .75	31 .75	32 .75	TOT ALS
103.25										1		1				2
101.25										4	1	2	1	1	1	10
99.25										5	5	1	1			12
97.25								2	3	4	3	1				13
95.25							3	9	12	10	1	1	2			38
93.25						6	8	8	8	5	4	2	1			42
91.25				1	2	7	12	33	26	11	4	1				97
89.25		2		2	13	24	51	46	15	9						162
87.25		1	4	5	30	52	54	24	17	4	2					193
85.25		1	4	29	55	109	63	25	12		1					299
83.25		1	18	62	92	104	39	13	2							331
81.25		3	28	78	96	68	30	6								309
79.25		5	26	74	64	34	9	1	1							214
77.25		13	29	40	28	12	1									123
75.25	1	4	16	12	8	2										43
73.25	1	3	5	6	1											16
71.25		1														1
TOTALS	2	34	130	309	389	418	270	167	96	53	21	9	5	1	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-CHEST CIRC AT SCYE	84.25	4.96	1.946X	+	38.240	3.24	0.758
X-CHEST DEPTH	23.64	1.93	0.295Y	-	1.211	1.26	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
CHEST CIRCUMFERENCE AT SCYE AND SPINE-TO-WRIST LENGTH (SLEEVE LENGTH SEGMENT)

SPINE-TO-WRIST LENGTH (SLEEVE LENGTH SEGMENT)

CHEST CIRCUMFERENCE AT SCYE	67 .75	68 .75	69 .75	70 .75	71 .75	72 .75	73 .75	74 .75	75 .75	76 .75	77 .75	78 .75	79 .75	80 .75	81 .75	82 .75	83 .75	84 .75	85 .75	86 .75	87 .75	88 .75	89 .75	90 .75	TOT ALS
103.25															1			1							2
101.25														1	2	1	2	1	1				1	1	10
99.25										1			1	2	2	1	1		2		1		1		12
97.25											2	3		2	2	1				1		1		1	13
95.25						1	1		1	2		2	6	4	5	5	3	2	2	1		1	2		38
93.25							1		3			5	4	5	9	2	3	4	4		2				42
91.25									2	5	9	6	6	13	14	11	15	6	3	5	2				97
89.25								2	4	12	14	16	26	21	19	14	11	11	4	5	2		1		162
87.25						2	3	3	7	9	15	14	20	25	24	23	18	9	13	1	2	2	2	1	193
85.25					1	3	5	13	14	21	34	41	38	33	37	24	14	13	2	2	3	1			299
83.25					3	3	8	16	18	37	35	36	48	38	27	31	14	6	4	5		2			331
81.25			1		3	7	12	17	23	31	46	45	41	38	19	10	8	3	3	2					309
79.25	1		1	2	1	5	9	12	14	29	29	32	38	14	11	9	4	2	1						214
77.25					2	7	14	12	15	17	14	10	16	7	2	3	3		1						123
75.25						3	2	8	6	8	2	7	2	3	1		1								43
73.25						2	3	2	2	2	2	2			1										16
71.25								1																	1
TOTALS	1	0	2	2	10	33	58	86	109	174	202	219	246	206	176	135	97	58	40	22	12	7	7	3	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-CHEST CIRC AT SCYE	84.25	4.96	0.626X	+ 34.429	4.51	0.419
X-SPINE-TO-WRIST LTH	79.58	3.32	0.280Y	+ 55.994	3.01	

A BIVARIATE FREQUENCY TABLE FOR
BUST CIRCUMFERENCE AND CHEST CIRCUMFERENCE BELOW BUST

CHEST CIRCUMFERENCE BELOW BUST

BUST CIRCUMFERENCE	61 .25	63 .25	65 .25	67 .25	69 .25	71 .25	73 .25	75 .25	77 .25	79 .25	81 .25	83 .25	85 .25	87 .25	89 .25	91 .25	93 .25	95 .25	97 .25	TOT ALS
113.25																			1	1
111.25												1	1	1	1		1			5
109.25												1		1	1		1			4
107.25										1		1	1	1	1	2	1	1		9
105.25												5	2	8	5	1				21
103.25										1	5	3	5	1	2	2				19
101.25									1	3	9	5	5	4	2	1				30
99.25								3	4	9	10	14	12	14	1					67
97.25							1	2	13	17	21	14	7	7	1					83
95.25						1	2	6	16	37	27	17	8	3						117
93.25				1		2	7	25	32	43	38	15	5							168
91.25					1	11	20	54	64	63	32	7								252
89.25				3	5	16	37	95	69	44	14	2								285
87.25				5	14	33	99	86	54	13	1									305
85.25			2	3	22	55	86	52	20	3	2									245
83.25			3	5	42	54	45	20	6											175
81.25			2	9	20	26	7	5												69
79.25			2	10	15	8	4		1											40
77.25				2	3	2	1													8
75.25		1		1																2
TOTALS	1	0	9	39	122	208	309	348	280	232	156	79	48	37	16	11	5	3	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-BUST CIRCUMFERENCE	89.73	5.70	0.975X	+ 17.258	3.16	0.832
X-CHEST C BELOW BUST	74.33	4.87	0.710Y	+ 10.620	2.70	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
BUST CIRCUMFERENCE AND WAIST CIRCUMFERENCE

WAIST CIRCUMFERENCE

BUST CIRCUMFERENCE	53 .25	55 .25	57 .25	59 .25	61 .25	63 .25	65 .25	67 .25	69 .25	71 .25	73 .25	75 .25	77 .25	79 .25	81 .25	83 .25	85 .25	87 .25	89 .25	91 .25	93 .25	95 .25	TOT ALS
113.25																1							1
111.25													1			1	1	1				1	5
109.25														2			1	1					4
107.25												2	1	1			2	1	1	1			9
105.25										1	2	1	2	3	5	3		3		1			21
103.25										1	1	2	1	6	5	2	1						19
101.25								1	3	5	2	7	3	3	1	2	3						30
99.25							1	2	6	11	14	13	8	8	3	1							67
97.25						2	3	2	10	12	17	17	10	5	4	1							83
95.25						1	4	18	25	22	22	18	6	1									117
93.25				1	1	8	22	32	41	34	15	12	2										168
91.25				3	11	17	35	53	69	36	18	8	2										252
89.25			1	4	26	41	60	69	52	21	7	3	1										285
87.25			3	14	44	62	86	56	32	8													305
85.25		1	4	24	50	55	45	41	19	3	1	2											245
83.25			5	28	45	57	21	12	3	2	2												175
81.25		2	8	15	22	16	4	2															69
79.25			5	13	9	6	6		1														40
77.25	1		2	1	2	1			1														8
75.25			1	1																			2
TOTALS	1	3	29	104	210	266	287	288	262	156	101	85	37	29	18	11	8	6	1	2	0	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-BUST CIRCUMFERENCE	89.73	5.70	0.829X	+	34.014	3.45	0.796
X-WAIST CIRCUMFERNCE	67.20	5.48	0.764Y	-	1.347	3.32	

A BIVARIATE FREQUENCY TABLE FOR
BUST CIRCUMFERENCE AND ABDOMINAL EXTENSION CIRCUMFERENCE

ABDOMINAL EXTENSION CIRCUMFERENCE

BUST CIRCUMFERENCE	65 .50	68 .00	70 .50	73 .00	75 .50	78 .00	80 .50	83 .00	85 .50	88 .00	90 .50	93 .00	95 .50	98 .00	100 .50	103 .00	105 .50	108 .00	110 .50	113 .00	115 .50	118 .00	TOT ALS
113.25																1							1
111.25																1		3		1			5
109.25													2		1					1			4
107.25										1		1		1	1		1	1	1	1	1		9
105.25														4	4	5	2		4	1	1		21
103.25												2	2	3	4	2	2	2	1			1	19
101.25									3	3	3	5	5	2	2	5		2					30
99.25								1	2	5	15	5	11	14	8	5	1						67
97.25							1	1	2	3	8	17	13	17	12	5	2	2					83
95.25							4	4	4	9	25	22	26	13	6	2	2						117
93.25						1	3	12	24	32	34	25	20	12	3	2							168
91.25						2	11	21	43	46	40	49	24	9	4	2	1						252
89.25		1	1	1	8	18	38	60	49	52	33	21	3										285
87.25			3	11	20	38	58	57	62	30	16	9	1										305
85.25			3	11	25	41	44	43	44	20	9	3	2										245
83.25			4	15	28	31	34	33	13	14	2	1											175
81.25		2	4	7	11	12	19	10	4														69
79.25			2	7	2	12	11	5	1														40
77.25	1			2	1	1	2				1												8
75.25						1	1																2
TOTALS	1	3	17	54	98	173	245	282	268	232	192	130	77	49	31	24	8	8	6	4	2	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-BUST CIRCUMFERENCE	89.73	5.70	0.577X	+	40.309	3.86	0.737
X-ABDOMINAL EXT CIRC	85.64	7.28	0.940Y	+	1.302	4.92	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
BUST CIRCUMFERENCE AND HIP CIRCUMFERENCE-SEVEN INCHES BELOW WAIST LEVEL

HIP CIRCUMFERENCE-SEVEN INCHES BELOW WAIST LEVEL

BUST CIRCUMFERENCE	77 .25	79 .25	81 .25	83 .25	85 .25	87 .25	89 .25	91 .25	93 .25	95 .25	97 .25	99 .25	101 .25	103 .25	105 .25	107 .25	109 .25	111 .25	113 .25	115 .25	117 .25	TOTALS
113.25													1									1
111.25													1			1	1	1	1			5
109.25														2	1				1			4
107.25												3		1	2				3			9
105.25											1	1	2	5	1	1	4	1	2	2	1	21
103.25											1	1	3	4	5	2		1		2		19
101.25									3	4	3	5	5	3		1	5	1				30
99.25								5	2	9	9	5	14	11	6	5	1					67
97.25						1		1	4	7	13	14	15	13	10	1	2	2				83
95.25								2	6	13	27	20	26	10	7	3	2		1			117
93.25						2	1	4	18	36	32	37	21	11	4		1	1				168
91.25						2	10	18	39	47	40	46	31	11	5	3						252
89.25				2		5	16	35	52	59	48	38	18	8	3	1						285
87.25			1	4	11	35	57	67	58	44	17	6	5									305
85.25			1	8	25	33	43	48	40	31	12	4										245
83.25		1	9	11	20	31	41	32	13	12	3	2										175
81.25		1	5	8	10	17	20	6	2													69
79.25		1	3	8	4	11	6	4	3													40
77.25	1			1	2	3			1													8
75.25					1		1															2
TOTALS	1	3	19	42	83	157	228	281	284	260	201	138	84	55	23	15	14	5	7	4	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-BUST CIRCUMFERENCE	89.73	5.70	0.737X + 20.716	3.95	0.722
X-HIP C-7" BLW WAIST	93.64	5.59	0.707Y + 30.200	3.87	

A BIVARIATE FREQUENCY TABLE FOR
BUST CIRCUMFERENCE AND HIP CIRCUMFERENCE-NINE INCHES BELOW WAIST LEVEL

HIP CIRCUMFERENCE-NINE INCHES BELOW WAIST LEVEL

BUST CIRCUMFERENCE	77 .25	79 .25	81 .25	83 .25	85 .25	87 .25	89 .25	91 .25	93 .25	95 .25	97 .25	99 .25	101 .25	103 .25	105 .25	107 .25	109 .25	111 .25	113 .25	115 .25	117 .25	119 .25	TOTALS
113.25																	1						1
111.25												1			1	1			1	1			5
109.25												1			2							1	4
107.25											1	1	1		2	1			1	1		1	9
105.25											1	2	1	5	1	2		4	3		1	1	21
103.25												3	1	5	2	2	2		3		1		19
101.25									1	2	4	5	9		2		2	3	2				30
99.25							1			9	8	8	9	10	6	6	7	3					67
97.25							1		4	3	8	12	19	6	11	11	5	3					83
95.25								2	4	6	16	22	21	16	15	6	6	1	1		1		117
93.25				1	1			5	7	21	26	33	35	17	14	5	2	1					168
91.25			1		1	2	13	27	36	39	41	44	24	12	8	4							252
89.25				3	3	6	25	40	50	46	39	32	23	14	2	1		1					285
87.25				4	6	15	40	50	63	63	32	17	6	5	3		1						305
85.25			2	4	15	23	34	44	42	29	26	17	9										245
83.25	2		4	8	14	32	25	28	26	17	14	3	2										175
81.25		1	4	4	9	15	15	14	5	1	1												69
79.25	1	2	2	4	3	11	5	5	3	3	1												40
77.25			2			3	2		1														8
75.25						1		1															2
TOTALS	3	3	15	28	52	110	166	224	257	259	235	209	124	91	51	30	18	12	10	3	2	3	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-BUST CIRCUMFERENCE	89.73	5.70	0.639X + 28.847	4.21	0.674
X-HIP C-9" BLW WAIST	95.27	6.02	0.712Y + 31.388	4.44	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
BUST CIRCUMFERENCE AND VERTICAL TRUNK CIRCUMFERENCE

VERTICAL TRUNK CIRCUMFERENCE

BUST CIRCUMFERENCE	135 .25	137 .25	139 .25	141 .25	143 .25	145 .25	147 .25	149 .25	151 .25	153 .25	155 .25	157 .25	159 .25	161 .25	163 .25	165 .25	167 .25	169 .25	171 .25	173 .25	175 .25	177 .25	TOT ALS
113.25															1								1
111.25													1			1	1			1	1		5
109.25													1		1					2			4
107.25											1	1				1		1	3	2			9
105.25											1	1	1		4	5		2	2	2	2	1	21
103.25											1	2		3	2	4	2	1	2	1		1	19
101.25								1		1	4	2	5	4	5	1		3	1	3			30
99.25								1	2	4	4	5	8	8	16	9	3	3	3		1		67
97.25							1	1	5	2	11	14	13	8	12	9	2	2	1	2			83
95.25							3		9	10	16	20	14	14	12	8	3	6	2				117
93.25					1	1	4	8	15	24	20	29	22	15	16	9	3		1				168
91.25				2	4	6	14	28	15	32	36	31	32	27	10	6	5	1	2	1			252
89.25			1	3	4	8	15	30	35	39	35	36	36	21	11	6	4		1				285
87.25			5	4	7	20	36	46	35	42	37	29	17	11	10	4	1		1				305
85.25			4	4	11	21	42	31	42	31	26	17	8	1	6	1							245
83.25	1	3	2	12	19	21	19	21	32	15	11	11	5		2		1						175
81.25			2	2	13	10	11	11	4	8	3	2	2	1									69
79.25	1	1	1	5	4	8	7	2	2	5	2		1	1									40
77.25					1	3		3	1														8
75.25					1	1																	2
TOTALS	2	4	15	32	65	99	152	183	197	213	208	200	166	114	108	64	25	19	19	14	4	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-BUST CIRCUMFERENCE	89.73	5.70	0.517X	+	9.888	4.46	0.623
X-VERTICAL TRUNK CIR	154.43	6.87	0.751Y	+	87.042	5.37	

A BIVARIATE FREQUENCY TABLE FOR
BUST CIRCUMFERENCE AND VERTICAL TRUNK CIRCUMFERENCE, SITTING

VERTICAL TRUNK CIRCUMFERENCE, SITTING

BUST CIRCUMFERENCE	133 .25	135 .25	137 .25	139 .25	141 .25	143 .25	145 .25	147 .25	149 .25	151 .25	153 .25	155 .25	157 .25	159 .25	161 .25	163 .25	165 .25	167 .25	169 .25	171 .25	TOT ALS
113.25															1						1
111.25										1		1				2	1				5
109.25												1			1	1			1		4
107.25											1	1			1	2		2	2		9
105.25									1		1	4	4	1	1	1	4	2	2		21
103.25											2	4	1	3	3	4	1		1		19
101.25								2		1	5	4	2	4	4	2	4	1	1		30
99.25								2		8	6	7	9	12	15	2	2	1	1	1	1	67
97.25							3	1	1	9	12	19	7	11	10	4	4		1	1		83
95.25						1	2	2	10	10	18	18	19	10	12	5	3	7				117
93.25					1	6	6	9	15	20	26	32	16	14	13	6	4					168
91.25				1	8	7	14	22	27	37	30	39	25	20	10	7	3	1		1		252
89.25	1			3	6	10	17	24	32	42	48	31	31	21	11	6	1			1		285
87.25	1	2		6	14	21	30	42	43	40	34	25	21	14	6	5					1	305
85.25		4		9	11	20	38	28	35	35	26	17	9	6	2	5						245
83.25	2	3		11	14	23	26	23	18	23	12	10	6	3		1						175
81.25				9	4	6	18	13	4	8	2	3	1	1								69
79.25	3	2		1	8	4	8	3		2	5	4										40
77.25						2	1	3	1	1												8
75.25					1	1																2
TOTALS	7	11	40	67	101	163	174	186	237	225	213	157	121	87	50	31	16	7	10	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-BUST CIRCUMFERENCE	89.73	5.70	0.496X	+	15.293	4.68	0.570
X-VERTICAL TRK C,SIT	150.07	6.56	0.656Y	+	91.206	5.39	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
BUST CIRCUMFERENCE AND SCYE CIRCUMFERENCE

SCYE CIRCUMFERENCE

BUST CIRCUMFERENCE	28 .75	29 .75	30 .75	31 .75	32 .75	33 .75	34 .75	35 .75	36 .75	37 .75	38 .75	39 .75	40 .75	41 .75	42 .75	43 .75	44 .75	45 .75	46 .75	47 .75	48 .75	TOT ALS
113.25															1							1
111.25														3	1	1						5
109.25														1	2	1						4
107.25												2	2	2	1	1					1	9
105.25											1	2	3	6	4	2		2	1			21
103.25											1	3	9	3	2		1					19
101.25									2	4	6	9	2	6				1				30
99.25							1		3	10	11	13	13	12	4							67
97.25								3	5	12	22	21	11	5	4							83
95.25								5	10	35	36	21	5	3	1	1						117
93.25						1	7	16	25	47	37	19	10	3	2	1						168
91.25						3	20	25	48	66	50	21	13	5	1							252
89.25				1		7	31	49	78	68	31	11	8			1						285
87.25				1	2	24	51	89	62	46	19	10	1									305
85.25			1	2	6	26	49	74	44	22	17	4										245
83.25				11	13	30	39	40	27	9	6											175
81.25				1	10	22	17	10	7	1	1											69
79.25	1			3	4	10	11	7	3			1										40
77.25				1		3	2	1	1													8
75.25					1		1															2
TOTALS	1	0	1	20	36	126	229	319	315	320	238	137	77	49	23	8	1	3	1	0	1	1905

SUMMARY STATISTICS

A BIVARIATE FREQUENCY TABLE FOR
BUST CIRCUMFERENCE AND CHEST BREADTH

CHEST BREADTH

BUST CIRCUMFERENCE	22 .75	23 .75	24 .75	25 .75	26 .75	27 .75	28 .75	29 .75	30 .75	31 .75	32 .75	33 .75	34 .75	35 .75	TOT ALS
113.25												1			1
111.25									1	1	1	2			5
109.25												3	1		4
107.25									2	1	4		1	1	9
105.25							1		6	9	3	2			21
103.25							1	2	4	5	3	2	2		19
101.25					1	2	1	11	5	7	1		2		30
99.25				1	1	5	6	14	15	18	6	1			67
97.25					3	7	21	21	18	12	1				83
95.25			1	2	6	12	30	32	22	8	4				117
93.25			1	3	15	42	51	31	18	7					168
91.25				5	36	74	81	35	18	3					252
89.25		1	1	37	54	85	65	32	8	2					285
87.25	1	2	18	34	96	78	58	14	3	1					305
85.25			15	55	86	52	27	8	1	1					245
83.25	1	5	19	44	61	35	11								175
81.25		3	21	27	10	6	2								69
79.25		10	7	12	6	6									40
77.25		2	1	2	3										8
75.25	1	1													2
TOTALS	3	24	83	222	378	403	355	200	121	75	23	11	6	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-BUST CIRCUMFERENCE	89.73	5.70	2.188X + 28.473	3.87	0.734
X-CHEST BREADTH	27.99	1.91	0.247Y + 5.833	1.30	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
BUST CIRCUMFERENCE AND BUSTPOINT-TO-BUSTPOINT BREADTH

BUSTPOINT-TO-BUSTPOINT BREADTH

BUST CIRCUMFERENCE	13 .00	13 .50	14 .00	14 .50	15 .00	15 .50	16 .00	16 .50	17 .00	17 .50	18 .00	18 .50	19 .00	19 .50	20 .00	20 .50	21 .00	21 .50	22 .00	22 .50	23 .00	23 .50	24 .00	24 .50	TOT ALS
113.25																1									1
111.25																		1	1		1	1		1	5
109.25																	1	1	1					1	4
107.25														1	2		1		1	2	1	1			9
105.25														1	3	4	6	3	1	1	1		1		21
103.25															4	2	8	4			1				19
101.25										1		1	1	1	3	6	3	6	5	2	1				30
99.25												6	2	10	10	18	10	7		2	1	1			67
97.25									1	2	4	8	9	9	16	12	6	5	5	5	1				83
95.25										4	6	15	21	23	17	12	15	2	1	1					117
93.25							1	3	3	7	11	29	33	38	19	12	9	3							168
91.25								5	9	17	42	41	50	33	31	13	3	4	3		1				252
89.25			1			1	1	7	26	33	41	62	41	34	19	10	5	3	1						285
87.25				1	1	2	10	17	33	50	61	52	41	25	7	2	3								305
85.25	1		1			3	8	27	40	51	45	30	23	14	2										245
83.25			1	2	3	21	15	20	37	33	17	16	7	2		1									175
81.25					3	4	7	10	17	11	11	4	1	1											69
79.25		1	2	1	4	7	5	7	7	4	2														40
77.25			1		1	2	2		2																8
75.25									1	1															2
TOTALS	1	1	6	4	12	40	49	96	176	214	240	264	229	192	133	93	70	39	19	13	8	3	1	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-BUST CIRCUMFERENCE	89.73	5.70	2.652X	+	40.580	3.96	0.720
X-BUSTPT-BUSTPT BR	18.53	1.55	0.195Y	+	1.035	1.07	

A BIVARIATE FREQUENCY TABLE FOR
BUST CIRCUMFERENCE AND CHEST DEPTH

CHEST DEPTH

BUST CIRCUMFERENCE	18 .75	19 .75	20 .75	21 .75	22 .75	23 .75	24 .75	25 .75	26 .75	27 .75	28 .75	29 .75	30 .75	31 .75	32 .75	TOT ALS
113.25															1	1
111.25										2	1		2			5
109.25										1	2			1		4
107.25									2	2	2	2	1			9
105.25									1	8	5	5	2			21
103.25							1		3	10	3	2				19
101.25							1	5	12	9	3					30
99.25						1	2	19	32	10	3					67
97.25					2	2	13	36	19	9	2					83
95.25		1			3	15	36	45	15	2						117
93.25		1		3	7	45	70	34	8							168
91.25			1	3	32	105	88	19	4							252
89.25		1	4	21	86	125	39	9								285
87.25		2	9	64	130	83	17									305
85.25		2	27	102	83	29	2									245
83.25		3	41	83	36	11	1									175
81.25		10	23	28	7	1										69
79.25	1	10	21	5	3											40
77.25		3	4			1										8
75.25	1	1														2
TOTALS	2	34	130	399	389	418	270	167	96	53	21	9	5	1	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-BUST CIRCUMFERENCE	89.73	5.70	2.596X	+	28.349	2.71	0.880
X-CHEST DEPTH	23.64	1.93	0.298Y	-	3.095	0.92	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
BUST CIRCUMFERENCE AND STRAP LENGTH

STRAP LENGTH

BUST CIRCUMFERENCE	53 .25	55 .25	57 .25	59 .25	61 .25	63 .25	65 .25	67 .25	69 .25	71 .25	73 .25	75 .25	77 .25	79 .25	TOT ALS
113.25													1		1
111.25										1		1	2	1	5
109.25												2	2		4
107.25									1	1	3	3	1		9
105.25								1	1	6	5	6	2		21
103.25					1		3	2	4	5	3		1		19
101.25							3	2	6	8	6	4	1		30
99.25						2	3	12	15	22	12	1			67
97.25					2	4	13	23	22	14	4	1			83
95.25						9	16	35	27	20	8	2			117
93.25			1	1	13	20	32	50	32	15	3	1			168
91.25				9	18	31	79	60	36	12	7				252
89.25			2	11	37	74	74	63	19	4	1				285
87.25		1	1	16	57	87	76	43	23	1					305
85.25		2	7	32	66	57	49	21	8	3					245
83.25	2	2	9	33	54	46	20	7	2						175
81.25		3	5	14	19	19	8	1							69
79.25		3	9	6	13	5	3		1						40
77.25			1	3	2	1		1							8
75.25				2											2
TOTALS	2	11	35	127	282	355	379	321	197	112	52	21	10	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-BUST CIRCUMFERENCE	89.73	5.70	1.017X + 23.396	4.07	0.700
X-STRAP LENGTH	65.22	3.92	0.481Y + 22.063	2.80	

A BIVARIATE FREQUENCY TABLE FOR
BUST CIRCUMFERENCE AND INTERSCYE CURVATURE

INTERSCYE CURVATURE

BUST CIRCUMFERENCE	27 .75	28 .75	29 .75	30 .75	31 .75	32 .75	33 .75	34 .75	35 .75	36 .75	37 .75	38 .75	39 .75	40 .75	41 .75	42 .75	43 .75	TOT ALS
113.25																1		1
111.25										1			1		2		1	5
109.25													2	1		1		4
107.25								1		1	1	1	1	2		1	1	9
105.25							1		2	2	1	1	10	3	1			21
103.25							1	2		5		4	3	3	1			19
101.25					1		1	2	2	6	5	6	4	2	1			30
99.25					1	2	3	2	10	13	7	12	11	3	3			67
97.25						3	7	13	11	14	18	11	5	1				83
95.25					2	7	7	14	19	25	14	20	5	3	1			117
93.25		1		2	5	14	20	23	28	31	20	21	2	1				168
91.25		1	1	3	16	10	46	40	50	37	28	14	4	1	1			252
89.25			3	10	18	32	46	57	52	35	26	5	1					285
87.25	1	2	7	17	29	36	63	58	31	39	17	4	1					305
85.25			1	11	23	38	50	55	32	20	9	5		1				245
83.25	1	3	7	12	27	29	32	29	28	4	3							175
81.25	1		6	5	12	12	19	7	4	3								69
79.25		1	2	7	5	11	5	6	3									40
77.25				3		2	1	2										8
75.25				1	1													2
TOTALS	3	8	27	71	140	196	302	311	272	236	149	104	50	21	10	3	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-BUST CIRCUMFERENCE	89.73	5.70	1.342X + 42.679	4.67	0.574
X-INTERSCYE	35.06	2.44	0.246Y + 12.985	2.00	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
BUST CIRCUMFERENCE AND BACK CURVATURE

BACK CURVATURE

BUST CIRCUMFERENCE	33 .75	34 .75	35 .75	36 .75	37 .75	38 .75	39 .75	40 .75	41 .75	42 .75	43 .75	44 .75	45 .75	46 .75	47 .75	48 .75	49 .75	50 .75	51 .75	52 .75	53 .75	TOTALS
113.25																	1					1
111.25																2	1	1	1			5
109.25									1						1	1	1					4
107.25											1			1	1		2		4			9
105.25							1				1		4	2	4	2	2	2	2		1	21
103.25											2	1	4	4	2		3	1	1	1		19
101.25									1	1	4	5	7	5	4	1	1		1			30
99.25				1		1		6	2	4	10	7	9	9	9	4	4	1				67
97.25			1				6	4	10	9	12	12	16	4	5	3	1					83
95.25					3	3	4	7	4	14	19	13	24	11	11	1	2		1			117
93.25			1		1	4	10	19	24	26	21	22	15	12	10	2	1					168
91.25				2	6	13	25	34	31	44	31	34	19	5	5	2	1					252
89.25			3	2	15	15	45	53	39	43	32	23	10	2	1		1		1			285
87.25			4	8	19	19	61	59	56	32	25	12	7	2	1							305
85.25		1	5	7	19	29	34	44	37	34	21	4	5	1	1	2	1					245
83.25	1		4	8	18	24	40	30	22	14	10	2	1	1								175
81.25	1	3	2	10	8	12	16	12	2	2	1											69
79.25			3	9	3	4	5	11	1	3		1										40
77.25				1	1	2	3								1							8
75.25	1				1																	2
TOTALS	3	4	23	48	94	126	250	279	230	226	190	136	121	59	56	20	22	5	11	1	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-BUST CIRCUMFERENCE	89.73	5.70	1.167X	+	40.543	4.45	0.625
X-BACK CURVATURE	42.15	3.05	0.335Y	+	12.087	2.38	

A BIVARIATE FREQUENCY TABLE FOR
CHEST CIRCUMFERENCE BELOW BUST AND WAIST CIRCUMFERENCE

WAIST CIRCUMFERENCE

CHEST CIRCUMFERENCE BELOW BUST	53 .25	55 .25	57 .25	59 .25	61 .25	63 .25	65 .25	67 .25	69 .25	71 .25	73 .25	75 .25	77 .25	79 .25	81 .25	83 .25	85 .25	87 .25	89 .25	91 .25	93 .25	95 .25	TOTALS
97.25																1							1
95.25																	1						1
93.25																		1	1			1	3
91.25														1		2		1		1			5
89.25										1					2	2	2	3					11
87.25											3	1	2	3	1	2	2	1		1			16
85.25									2	2	6	8	6	5	5	1	2						37
83.25							1		1	3	7	16	5	8	5	1	1						48
81.25						1	2	6	9	13	15	13	9	7	4								79
79.25						4	12	13	37	34	23	20	7	2	2	2							156
77.25					1	10	21	61	59	37	21	15	6	1									232
75.25			1	4	13	25	46	64	66	36	16	8	1										280
73.25				9	45	53	80	71	56	21	9	3		1									348
71.25			4	26	49	74	70	53	22	9	1	1											309
69.25		1	9	26	53	59	37	15	8														208
67.25			9	26	34	32	15	4	2														122
65.25	1	2	3	8	13	8	3	1															39
63.25			3	4	2																		9
61.25				1																			1
TOTALS	1	3	29	104	210	266	287	288	262	156	101	85	37	29	18	11	8	6	1	2	0	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-CHEST C BELOW BUST	74.33	4.87	0.704X	+	27.015	2.97	0.792
X-WAIST CIRCUMFERNCE	67.20	5.48	0.891Y	+	0.979	3.34	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
CHEST CIRCUMFERENCE BELOW BUST AND ABDOMINAL EXTENSION CIRCUMFERENCE

ABDOMINAL EXTENSION CIRCUMFERENCE

CHEST CIRCUMFERENCE BELOW BUST	65.50	68.00	70.50	73.00	75.50	78.00	80.50	83.00	85.50	88.00	90.50	93.00	95.50	98.00	100.50	103.00	105.50	108.00	110.50	113.00	115.50	118.00	TOTALS
97.25																1							1
95.25																			1				1
93.25																				3			3
91.25														1		1	1				1	1	5
89.25													1	1	2	3		1	3				11
87.25												1	1	2	5	2	1	2	1		1		16
85.25									1	2	3	2	7	7	7	2	2	2	1	1			37
83.25								1	1	2	9	6	5	10	4	7	1	2					48
81.25						1		3	2	11	17	16	11	7	5	3	2	1					79
79.25					1	4	6	10	15	28	32	25	20	8	3	3	1						156
77.25					1	5	11	26	44	49	38	27	15	10	4	2							232
75.25				2	10	12	30	55	52	42	42	24	9	2									280
73.25			1	4	15	37	51	70	76	41	28	17	6	1	1								348
71.25		1	3	11	21	47	63	49	47	43	14	8	2										309
69.25			5	11	26	33	56	37	21	10	6	3											208
67.25		1	5	18	16	24	20	22	8	4	3	1											122
65.25	1	1	2	7	6	9	7	6															39
63.25			1	1	2	1		3	1														9
61.25							1																1
TOTALS	1	3	17	54	98	173	245	282	268	232	192	130	77	49	31	24	8	8	6	4	2	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-CHEST C BELOW BUST	74.33	4.87	0.480X + 33.216	3.39	0.718
X-ABDOMINAL EXT CIRC	85.64	7.28	1.075Y + 5.744	5.06	

A BIVARIATE FREQUENCY TABLE FOR
CHEST CIRCUMFERENCE BELOW BUST AND HIP CIRCUMFERENCE-SEVEN INCHES BELOW WAIST LEVEL

HIP CIRCUMFERENCE-SEVEN INCHES BELOW WAIST LEVEL

CHEST CIRCUMFERENCE BELOW BUST	77.25	79.25	81.25	83.25	85.25	87.25	89.25	91.25	93.25	95.25	97.25	99.25	101.25	103.25	105.25	107.25	109.25	111.25	113.25	115.25	117.25	TOTALS
97.25													1									1
95.25																			1			1
93.25																	1		2			3
91.25											1				2				1	1		5
89.25													3	2		1	1	2	1		1	11
87.25											1	1	1	5	2		3		2	1		16
85.25								1		3	6	5	2	10	2	2	3	1		2		37
83.25									3	5	5	9	8	8	5	3	1	1				48
81.25								3	4	7	14	23	11	6	6	1	3	1				79
79.25							3	14	22	27	32	19	19	10	4	4	2					156
77.25						4	5	24	43	51	48	24	17	12		4						232
75.25			1	1	6	14	28	48	60	46	32	31	11	1	1							280
73.25			1	2	14	21	51	70	64	58	41	16	8	1	1							348
71.25			3	7	20	44	58	55	54	40	18	8	2									309
69.25		2	4	12	20	39	48	38	21	18	3	2	1									208
67.25		1	8	15	10	25	25	23	11	4												122
65.25	1		1	4	11	8	6	5	2	1												39
63.25			1	1	2	2	3															9
61.25							1															1
TOTALS	1	3	19	42	83	157	228	281	284	260	201	138	84	55	23	15	14	5	7	4	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-CHEST C BELOW BUST	74.33	4.87	0.615X + 16.739	3.45	0.706
X-HIP C-7" BLW WAIST	93.64	5.59	0.810Y + 33.432	3.96	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
CHEST CIRCUMFERENCE BELOW BUST AND HIP CIRCUMFERENCE-NINE INCHES BELOW WAIST LEVEL

HIP CIRCUMFERENCE-NINE INCHES BELOW WAIST LEVEL

CHEST CIRCUMFERENCE BELOW BUST	77.25	79.25	81.25	83.25	85.25	87.25	89.25	91.25	93.25	95.25	97.25	99.25	101.25	103.25	105.25	107.25	109.25	111.25	113.25	115.25	117.25	119.25	TOTALS
97.25																	1						1
95.25																				1			1
93.25															1							2	3
91.25								1							1		1		1		1		5
89.25							2					2		2	1			3	2		1		11
87.25							4					2		2	2	3		1	4				16
85.25					2	2	8	5	5	3	4	1	2	3	1								37
83.25					1	6	3	8	7	8	5	6	2	1						1		1	48
81.25				3	2	8	9	12	16	14	5	4	4	2									79
79.25				3	4	14	19	32	34	17	11	7	8	4	3								156
77.25			2	1	1	5	13	28	35	44	39	26	17	15	2	4							232
75.25		1	2	1	7	16	41	35	49	44	36	22	19	5	2								280
73.25		1	4	7	9	35	50	67	58	45	34	21	12	4		1							348
71.25		2	2	12	26	45	51	55	50	33	21	9	1	1	1								309
69.25	3	1	1	5	15	32	29	42	33	23	14	8	1		1								208
67.25		1	7	8	10	25	21	17	18	6	7	2											122
65.25		1	2	3	6	10	6	2	4	3	1	1											39
63.25			1	2			6																9
61.25								1															1
TOTALS	3	3	15	28	52	110	166	224	257	259	235	209	124	91	51	30	18	12	10	3	2	3	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-CHEST C BELOW BUST	74.33	4.87	0.535X + 23.355	3.65	0.661
X-HIP C-9" BLW WAIST	95.27	6.02	0.617Y + 34.548	4.51	

A BIVARIATE FREQUENCY TABLE FOR
CHEST CIRCUMFERENCE BELOW BUST AND VERTICAL TRUNK CIRCUMFERENCE

VERTICAL TRUNK CIRCUMFERENCE

CHEST CIRCUMFERENCE BELOW BUST	135.25	137.25	139.25	141.25	143.25	145.25	147.25	149.25	151.25	153.25	155.25	157.25	159.25	161.25	163.25	165.25	167.25	169.25	171.25	173.25	175.25	177.25	TOTALS
97.25															1								1
95.25																			1				1
93.25																	1		1	1			3
91.25																1		2	1			1	5
89.25												1	1			1	2		1	3	1	1	11
87.25											1				2	6		1		5	1		16
85.25									1	3	3	3	2	5	8	6		2	4				37
83.25									2	1	3	3	9	6	10	6	4	2	1		1		48
81.25						1			5	3	9	9	9	14	14	7	1	3	1	3			79
79.25						4	5	10	10	12	24	25	22	12	15	8	3	2	2	1	1		156
77.25				2		2	10	11	15	24	34	37	28	21	22	13	5	4	4				232
75.25				3	5	4	16	29	38	35	28	37	30	28	13	9	1	2	1	1			280
73.25				4	3	19	23	40	41	53	46	43	39	18	6	5	6	1	1				348
71.25	1	1	4	4	16	22	36	46	38	43	35	24	17	6	12	2	1		1				309
69.25	1	2	4	6	20	23	35	23	26	21	18	14	7	2	5		1						208
67.25			4	9	15	14	17	18	19	12	7	3	2	2									122
65.25		1	3	2	4	8	7	5	2	6		1											39
63.25				2	1	2	3	1															9
61.25					1																		1
TOTALS	2	4	15	32	65	99	152	183	197	213	208	200	166	114	108	64	25	19	19	14	4	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-CHEST C BELOW BUST	74.33	4.87	0.426X + 8.540	3.89	0.602
X-VERTICAL TRUNK CIR	154.43	6.87	0.849Y + 91.324	5.49	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
CHEST CIRCUMFERENCE BELOW BUST AND VERTICAL TRUNK CIRCUMFERENCE, SITTING

VERTICAL TRUNK CIRCUMFERENCE, SITTING

CHEST CIRCUMFERENCE BELOW BUST	133 .25	135 .25	137 .25	139 .25	141 .25	143 .25	145 .25	147 .25	149 .25	151 .25	153 .25	155 .25	157 .25	159 .25	161 .25	163 .25	165 .25	167 .25	169 .25	171 .25	TOT ALS
97.25															1						1
95.25																		1			1
93.25												1			1				1		3
91.25																2		2	1		5
89.25											1	2		1	1	1	4	1			11
87.25										1		3	3	2		2	1		4		16
85.25									5	4	5	4	6	6	2	2	2	1			37
83.25								1	2	3	2	4	10	5	8	7	6				48
81.25							2	2	1	6	7	15	13	7	12	6	6	1	1		79
79.25					2	3	4	8	14	17	28	22	19	17	9	5	5		1	1	1	156
77.25					1	3	11	17	21	29	29	38	27	22	19	3	5	5		2		232
75.25			1	3	7	12	12	32	30	30	45	39	18	23	17	6	1	3		1		280
73.25			1	5	7	16	23	33	50	57	42	42	32	23	7	9	1					348
71.25	2	4	7	12	24	45	33	35	38	45	27	16	11	4	5						1	309
69.25	3	3	8	16	23	37	23	19	32	12	14	10	2	2	4							208
67.25	1	1	12	14	14	19	19	10	15	8	6	1	2									122
65.25	1	1	2	7	4	7	6	3	5	2		1										39
63.25			3		2	3		1														9
61.25				1																		1
TOTALS	7	11	40	67	101	163	174	186	237	225	213	157	121	87	50	31	16	7	10	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-CHEST C BELOW BUST	74.33	4.87	0.409X + 12.949	4.36	0.551
X-VERTICAL TRK C,SIT	153.27	6.56	0.743Y + 94.842	5.47	

A BIVARIATE FREQUENCY TABLE FOR
WAIST CIRCUMFERENCE AND ABDOMINAL EXTENSION CIRCUMFERENCE

ABDOMINAL EXTENSION CIRCUMFERENCE

WAIST CIRCUMFERENCE	65 .50	68 .00	70 .50	73 .00	75 .50	78 .00	80 .50	83 .00	85 .50	88 .00	90 .50	93 .00	95 .50	98 .00	100 .50	103 .00	105 .50	108 .00	110 .50	113 .00	115 .50	118 .00	TOT ALS
95.25																				1			1
93.25																							0
91.25																					2		2
89.25																				1			1
87.25																	1	1	3	1			6
85.25													1		2	1		3	1				8
83.25														2	2	7							11
81.25												2	2		1	4	5	2	1	1			18
79.25											1	2	4	6	10	4	1	1					29
77.25								1			3	6	10	6	6	2	1	1				1	37
75.25								2	3	10	14	18	15	15	4	4							85
73.25							3	3	5	11	24	22	17	10	4	1			1				101
71.25					1	2	8	9	21	29	31	30	17	6	1	1							156
69.25				1	1	5	12	39	52	60	53	26	9	4									262
67.25				1	7	9	29	57	67	63	39	13	2		1								288
65.25			1	3	11	29	58	64	63	32	20	6											287
63.25			2	7	22	48	58	64	36	20	4	5											266
61.25		1	4	20	26	50	48	34	19	5	3												210
59.25			7	14	22	24	25	8	2	2													104
57.25		2	1	8	7	6	4	1															29
55.25			2		1																		3
53.25	1																						1
TOTALS	1	3	17	54	98	173	245	282	268	232	192	130	77	49	31	24	8	8	6	4	2	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-WAIST CIRCUMFERNCE	67.20	5.48	0.610X + 14.960	3.21	0.810
X-ABDOMINAL EXT CIRC	85.64	7.28	1.077Y + 13.267	4.27	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
WAIST CIRCUMFERENCE AND HIP CIRCUMFEPENCE-SEVEN INCHES BELOW WAIST LEVEL

HIP CIRCUMFERENCE-SEVEN INCHES BELOW WAIST LEVEL

WAIST CIRCUMFERENCE	77.25	79.25	81.25	83.25	85.25	87.25	89.25	91.25	93.25	95.25	97.25	99.25	101.25	103.25	105.25	107.25	109.25	111.25	113.25	115.25	117.25	TOTALS
95.25																	1					1
93.25																						0
91.25																			1	1		2
89.25																			1			1
87.25															1			1	3		1	6
85.25													1	2	1		2	1	1			8
83.25											2		4	1	1	1	2					11
81.25												2	2	3	1	3	4	1		2		18
79.25										2	2	4	2	10	6	1	1	1				29
77.25										1	2	7	7	10	2	5	2			1		37
75.25						1		1	5	9	10	24	14	10	4	4	2	1				85
73.25					1		1	4	7	16	21	23	17	7	2	1			1			101
71.25						1	3	9	17	38	36	30	14	7	1							156
69.25						7	5	31	58	63	50	25	15	4	4							262
67.25						5	30	43	77	62	49	16	5	1								288
65.25			1	3	6	26	45	81	57	37	23	5	3									287
63.25		1	1	4	18	40	65	65	44	24	4											266
61.25		1	5	13	28	46	54	37	17	7	1	1										210
59.25		1	6	14	25	23	21	9	2	1	1	1										104
57.25			6	7	4	7	4	1														29
55.25				1	1	1																3
53.25	1																					1
TOTALS	1	3	19	42	83	157	228	281	284	260	201	138	84	55	23	15	14	5	7	4	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-WAIST CIRCUMFERNCE	67.20	5.48	0.784X	-	6.208	3.29	0.800
X-HIP C-7" BLW WAIST	93.64	5.59	0.816Y	+	38.798	3.35	

A BIVARIATE FREQUENCY TABLE FOR
WAIST CIRCUMFERENCE AND HIP CIRCUMFERENCE-NINE INCHES BELOW WAIST LEVEL

HIP CIRCUMFERENCE-NINE INCHES BELOW WAIST LEVEL

WAIST CIRCUMFERENCE	77.25	79.25	81.25	83.25	85.25	87.25	89.25	91.25	93.25	95.25	97.25	99.25	101.25	103.25	105.25	107.25	109.25	111.25	113.25	115.25	117.25	119.25	TOTALS
95.25															1								1
93.25																							0
91.25																			2				2
89.25																						1	1
87.25															1			1	2		1	1	6
85.25												2		1		1		1	1	2			8
83.25											1	3	1			2	3	1					11
81.25												2	3	2	2	1	3	2	2			1	18
79.25										1	2	3	2	8	6	3	2	2					29
77.25								1		1	2	4	4	9	2	8	2	2	1		1		37
75.25				1				2	3	7	13	15	15	6	8	8	4	1	1	1			85
73.25				1			2	1	4	6	16	26	16	13	11	3		1	1				101
71.25					1	1	1	10	11	22	25	38	15	20	9		3						156
69.25				1	1	3	10	17	29	51	56	35	30	18	8	2		1					262
67.25					2	4	15	32	44	67	48	37	24	11	1	2	1						288
65.25		1		5	4	13	30	45	70	48	33	27	11	1	2								287
63.25	1		1	1	15	29	35	60	52	35	26	12	3										266
61.25	1		4	6	12	39	45	40	30	17	12	3		1									210
59.25		1	6	7	16	23	20	11	12	4	1	2		1									104
57.25	1	1	2	6	1	4	8	4	2														29
55.25			1			1		1															3
53.25			1																				1
TOTALS	3	3	15	28	52	113	166	224	257	259	235	209	124	91	51	30	18	12	10	3	2	3	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-WAIST CIRCUMFERNCE	67.20	5.48	0.658X	+	4.514	3.79	0.722
X-HIP C-9" BLW WAIST	95.27	6.02	0.794Y	+	41.913	4.16	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
WAIST CIRCUMFERENCE AND UPPER THIGH CIRCUMFERENCE

UPPER THIGH CIRCUMFERENCE

WAIST CIRCUMFERENCE	43 .25	45 .25	47 .25	49 .25	51 .25	53 .25	55 .25	57 .25	59 .25	61 .25	63 .25	65 .25	67 .25	69 .25	71 .25	TOT ALS
95.25											1					1
93.25																0
91.25														2		2
89.25												1				1
87.25										1			1		4	6
85.25									1	3		1	2	1		8
83.25							2	2	3	1		2		1		11
81.25							2	2	2	1	4	3	3	1		18
79.25							4	4	6	8	5	1	1			29
77.25					1		2	3	14	7	4	4	2			37
75.25					3	5	12	13	19	17	8	6	1	1		85
73.25			1	2	2	4	15	25	24	17	9		1	1		101
71.25					2	19	24	40	33	19	11	8				156
69.25			1	5	11	32	63	68	51	25	6					262
67.25				5	20	52	84	62	46	13	6					288
65.25		1	4	14	41	80	72	47	20	6	1	1				287
63.25	1	1	5	19	63	79	57	29	11	1						266
61.25		5	13	43	55	46	29	10	7	2						210
59.25		6	17	27	24	17	8	2	3							104
57.25	2	2	7	6	7	4	1									29
55.25			1	1	1											3
53.25	1															1
TOTALS	4	15	49	122	230	338	375	307	240	121	55	27	11	7	4	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-WAIST CIRCUMFERNCE	67.20	5.48	0.887X	+	17.997	4.00	0.683
X-UPPER THIGH CIRCUM	55.48	4.22	0.526Y	+	20.126	3.08	

A BIVARIATE FREQUENCY TABLE FOR
WAIST CIRCUMFERENCE AND KNEE CIRCUMFERENCE

KNEE CIRCUMFERENCE

WAIST CIRCUMFERENCE	30 .75	31 .75	32 .75	33 .75	34 .75	35 .75	36 .75	37 .75	38 .75	39 .75	40 .75	41 .75	42 .75	43 .75	44 .75	45 .75	TOT ALS
95.25									1								1
93.25																	0
91.25											1		1				2
89.25												1					1
87.25											1	1	1	2		1	6
85.25						1	1		1	1		1			2	1	8
83.25							2		2	4	2	1					11
81.25						1	5	3	1		2	4	2				18
79.25						1	6	5	5	6	3	3					29
77.25					2	1	4	8	10	3	4	4	1				37
75.25			2	1	7	8	18	13	13	13	5	2	1	1	1		85
73.25			2	4	6	15	17	17	16	14	5	5					101
71.25			1	3	15	24	31	34	25	10	7	3	2	1			156
69.25		1	3	9	29	56	65	39	33	17	8	2					262
67.25		1	7	19	46	56	69	48	25	9	6	2					288
65.25		6	17	30	60	59	41	40	22	10	2						287
63.25	1		21	54	58	58	41	24	6	3							266
61.25	3	14	27	45	53	29	25	10	4								210
59.25		15	18	32	20	11	3	3	2								104
57.25	4	1	3	10	5	4	2										29
55.25			2	1													3
53.25		1															1
TOTALS	8	39	103	208	301	324	330	244	166	90	46	29	8	4	3	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-WAIST CIRCUMFERNCE	67.20	5.48	1.457X	+	14.312	4.37	0.603
X-KNEE CIRCUMFERENCE	36.30	2.27	0.249Y	+	19.568	1.81	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
WAIST CIRCUMFERENCE AND CALF CIRCUMFERENCE, RIGHT

CALF CIRCUMFERENCE, RIGHT

WAIST CIRCUMFERENCE	26 .75	27 .75	28 .75	29 .75	30 .75	31 .75	32 .75	33 .75	34 .75	35 .75	36 .75	37 .75	38 .75	39 .75	40 .75	41 .75	42 .75	43 .75	44 .75	TOT ALS
95.25										1										1
93.25																				0
91.25												1	1							2
89.25											1									1
87.25										1			2		2				1	6
85.25							1			1	1		1	2	1			1		8
83.25								2	1	2	3		3							11
81.25						1	2	3	1	4	1	3		3						18
79.25							1	2	6	7	4	6	2	1						29
77.25				1		1	1	4	3	7	10	3	4	1	2					37
75.25						4	6	10	19	11	16	13	2	2	1	1				85
73.25				1	2	5	9	11	15	22	20	11	4	1						101
71.25						8	11	26	33	38	18	13	6	3						156
69.25			1	3	6	12	34	60	40	38	37	24	4	1	1	1				262
67.25				1	8	24	40	71	57	43	25	10	6		3					288
65.25			2	4	9	42	53	61	55	27	25	7	2							287
63.25				4	30	49	60	54	33	18	15		2	1						266
61.25	1	1	5	15	31	43	42	34	20	11	4	3								210
59.25		1	2	13	22	23	21	9	8	2	3									104
57.25		2	2	1	4	5	4	9	2											29
55.25				1	2															3
53.25				1																1
TOTALS	1	4	12	45	114	217	285	356	293	233	183	94	39	15	10	2	0	1	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-WAIST CIRCUMFERNCE	67.20	5.48	1.286X	+ 23.295	4.65	0.528
X-CALF CIRCUM, RIGHT	34.14	2.25	0.216Y	+ 19.628	1.91	

A BIVARIATE FREQUENCY TABLE FOR
WAIST CIRCUMFERENCE AND ANKLE CIRCUMFERENCE

ANKLE CIRCUMFERENCE

WAIST CIRCUMFERENCE	17 .50	18 .00	18 .50	19 .00	19 .50	20 .00	20 .50	21 .00	21 .50	22 .00	22 .50	23 .00	23 .50	24 .00	24 .50	25 .00	25 .50	TOT ALS
95.25			1															1
93.25																		0
91.25							1						1					2
89.25										1								1
87.25										2		1			1	1	1	6
85.25						1			1	2	2		1				1	8
83.25				1				1	1	3		3	2					11
81.25					2	1	2	2	2	2	1	3	2			1		18
79.25							3	6	1	7	4	5	3					29
77.25				1		2	4	3	3	8	5	6	2	3				37
75.25				2	6	5	7	11	18	14	9	5	5	1	1	1		85
73.25		1	2	1	5	7	10	17	15	15	12	8	2	5	1			101
71.25			1	3	4	13	23	25	19	23	20	8	11	4	2			156
69.25			2	3	8	22	42	43	39	45	21	16	9	6	4	2		262
67.25			2	7	19	31	34	64	45	35	21	17	5	4	2	2		288
65.25		1	4	8	14	49	51	56	33	32	16	11	10	1	1			287
63.25	1	2	7	14	30	50	28	49	32	30	7	9	5	1	1			266
61.25		4	11	24	31	30	32	30	19	14	6	4	3	2				210
59.25		1	5	16	22	19	8	15	14	3	1							104
57.25		1	3	5	1	5	6	1	5	2								29
55.25				1	1	1												3
53.25			1															1
TOTALS	1	10	39	86	143	236	251	323	247	238	125	96	61	27	13	7	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-WAIST CIRCUMFERNCE	67.20	5.48	1.600X	+ 33.467	5.07	0.377
X-ANKLE CIRCUMFERNCE	21.09	1.29	0.089Y	+ 15.104	1.19	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
WAIST CIRCUMFERENCE AND VERTICAL TRUNK CIRCUMFERENCE

VERTICAL TRUNK CIRCUMFERENCE

WAIST CIRCUMFERENCE	135 .25	137 .25	139 .25	141 .25	143 .25	145 .25	147 .25	149 .25	151 .25	153 .25	155 .25	157 .25	159 .25	161 .25	163 .25	165 .25	167 .25	169 .25	171 .25	173 .25	175 .25	177 .25	TOT ALS
95.25																	1						1
93.25																							0
91.25																		1		1			2
89.25																			1				1
87.25																			2	2	1	1	6
85.25											1			1		1		1		2	1	1	8
83.25															2	1	4		1	1	2		11
81.25											2				1	3	6	1	3	2			18
79.25									1	1		1	4	5	5	3			1	2	5	1	29
77.25									2		2	4	10	2	7	4			4		1		37
75.25							1	2	7	7	10	11	8	14	15	4	5	1					85
73.25				2		2	1	2	4	9	15	14	15	6	11	11	4	3	1	1			101
71.25					1		2	8	7	15	25	22	31	18	14	8	2		2	1			156
69.25				3	3	4	16	21	25	32	28	38	29	26	22	9	1	2	2		1		262
67.25			4		3	8	12	35	41	43	29	38	22	21	15	6	5	2	4				288
65.25	2		1	5	5	10	30	31	33	47	42	34	20	11	6	6	3	1					287
63.25			2	4	13	25	44	41	41	25	22	20	17	4	5	2	1						266
61.25		2	6	6	21	27	27	27	25	25	20	12	5	3	2	1	1						210
59.25			2	9	17	13	15	11	9	7	11	4	4	1	1								104
57.25		2		3	2	9	2	4	2	2	1	2											29
55.25							2	1															3
53.25						1																	1
TOTALS	2	4	15	32	65	99	152	183	197	213	208	200	166	114	108	64	25	19	19	14	4	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-WAIST CIRCUMFERNCE	67.20	5.48	0.478X	-	6.613	4.38	0.600
X-VERTICAL TRUNK CIR	154.43	6.87	0.752Y	+	103.889	5.50	

A BIVARIATE FREQUENCY TABLE FOR
WAIST CIRCUMFERENCE AND VERTICAL TRUNK CIRCUMFERENCE, SITTING

VERTICAL TRUNK CIRCUMFERENCE, SITTING

WAIST CIRCUMFERENCE	133 .25	135 .25	137 .25	139 .25	141 .25	143 .25	145 .25	147 .25	149 .25	151 .25	153 .25	155 .25	157 .25	159 .25	161 .25	163 .25	165 .25	167 .25	169 .25	171 .25	TOT ALS
95.25												1									1
93.25																					0
91.25																1			1		2
89.25																			1		1
87.25															1	1	2	2			6
85.25										1		1	1	1		1	1	1	1		8
83.25									1				3		1	3	1	2			11
81.25									1		2	3	2	3	5	1	1				18
79.25										3	3	4	1	7	2	4	2	1	2		29
77.25							1		1	2	7	4	7	4	5	1	3		1	1	37
75.25							1	3	7	9	13	11	12	8	14	4	3				85
73.25					2	1	4	2	4	10	13	15	18	13	6	5	5	3			101
71.25					1	2	3	7	11	21	28	23	22	16	13	5	2	1		1	156
69.25			1	2	3	7	17	27	22	34	26	45	26	18	22	6	3			2	1	262
67.25			3	1	2	10	21	28	40	43	41	34	19	20	7	10	2	5		1	1	288
65.25	2		3	6	8	17	25	22	33	38	45	35	22	19	5	5	2					287
63.25	1			9	13	23	36	36	37	40	21	22	16	6	2	4						266
61.25	2		2	12	21	18	32	31	20	27	17	15	4	7	2							210
59.25	2		1	5	15	15	17	14	10	7	9	3	2	3		1						104
57.25			1	5	2	7	5	3		4	1	1										29
55.25							1	1	1													3
53.25						1																1
TOTALS	7	11	40	67	101	163	174	186	237	225	213	157	121	87	50	31	16	7	10	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-WAIST CIRCUMFERNCE	67.20	5.48	0.461X	-	1.977	4.57	0.551
X-VERTICAL TRK C,SIT	150.07	6.56	0.660Y	+	105.712	5.47	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
WAIST CIRCUMFERENCE AND BUTTOCK CIRCUMFERENCE, SITTING

BUTTOCK CIRCUMFERENCE, SITTING

WAIST CIRCUMFERENCE	85 .25	87 .25	89 .25	91 .25	93 .25	95 .25	97 .25	99 .25	101 .25	103 .25	105 .25	107 .25	109 .25	111 .25	113 .25	115 .25	117 .25	119 .25	121 .25	123 .25	125 .25	127 .25	129 .25	TOT ALS
95.25																		1						1
93.25																								0
91.25																		2						2
89.25																					1			1
87.25																	2	1	2	1				6
85.25													2	1		1	3	1						8
83.25										1		2		3	2	2	1							11
81.25										1		1	2	3	1	5	2	1		2				18
79.25								1		2	1	6	6	5	4		1	3						29
77.25								2		3	2	11	9	2	3	3			1				1	37
75.25					1		2	6	10	11	14	17	10	5	5	2	2							85
73.25				1		2	4	4	13	18	17	18	12	8	1	1	1			1				101
71.25					1	5	8	19	30	33	29	17	5	7	2									156
69.25			1	2	3	8	28	61	42	50	36	14	12	2	3									262
67.25				2	12	24	55	63	43	41	31	12	3	2										288
65.25		1	6	7	14	45	63	69	43	26	9	3	1											287
63.25	1	2	1	24	36	72	45	41	31	11	2													266
61.25	3	3	11	28	45	47	36	22	11	3	1													210
59.25	2	6	20	21	23	15	7	6	1	2		1												104
57.25	2	6	5	5	4	5	1	1																29
55.25			2	1																				3
53.25		1																						1
TOTALS	8	19	46	91	139	223	249	295	224	202	142	102	62	38	21	14	12	9	3	4	1	0	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-WAIST CIRCUMFERNCE	67.20	5.48	0.698X	-	2.595	3.46	0.775
X-BUTTOCK CIRC, SIT	100.00	6.09	0.862Y	+	42.068	3.84	

A BIVARIATE FREQUENCY TABLE FOR
WAIST CIRCUMFERENCE AND WAIST BREADTH

WAIST BREADTH

WAIST CIRCUMFERENCE	18 .75	19 .75	20 .75	21 .75	22 .75	23 .75	24 .75	25 .75	26 .75	27 .75	28 .75	29 .75	30 .75	31 .75	32 .75	TOT ALS
95.25															1	1
93.25																0
91.25													2			2
89.25													1			1
87.25										1		2	2		1	6
85.25										1	4	2	1			8
83.25									1	2	5	2		1		11
81.25									5	4	9					18
79.25								2	4	12	8	3				29
77.25								6	14	9	8					37
75.25							4	26	32	19	2	2				85
73.25						6	15	40	22	18						101
71.25						12	49	54	35	6						156
69.25				4	14	61	110	60	12	1						262
67.25				1	35	136	88	25	3							288
65.25		1	1	16	75	133	50	10	1							287
63.25		1	13	46	111	79	15	1								266
61.25			31	69	82	25	3									210
59.25		5	41	36	17	4	1									104
57.25		4	12	11		2										29
55.25	1	1	1													3
53.25	1															1
TOTALS	2	12	99	183	334	458	335	224	129	73	36	11	6	1	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-WAIST CIRCUMFERNCE	67.20	5.48	2.508X	+	6.690	2.54	0.886
X-WAIST BREADTH	24.13	1.94	0.313Y	+	3.093	0.90	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
WAIST CIRCUMFERENCE AND WAIST DEPTH

WAIST DEPTH

WAIST CIRCUMFERENCE	12 .75	13 .75	14 .75	15 .75	16 .75	17 .75	18 .75	19 .75	20 .75	21 .75	22 .75	23 .75	24 .75	25 .75	TOT ALS
95.25														1	1
93.25															0
91.25												1	1		2
89.25											1				1
87.25								1	1	1		2	1		6
85.25								2		1	1	4			8
83.25								3	3	1	2	2			11
81.25									5	8	4	1			18
79.25						1	6	5	11	4	1	1			29
77.25					1	6	7	11	5	5	1		1		37
75.25				1	6	12	36	18	6	6					85
73.25				2	13	32	33	16	4	1					101
71.25				5	34	55	52	9	1						156
69.25			2	17	89	111	41	1	1						262
67.25			4	56	131	80	16	1							288
65.25		2	10	87	139	44	5								287
63.25		2	42	114	91	16	1								266
61.25	1	3	55	118	31	1	1								210
59.25	1	10	50	37	6										104
57.25		8	14	5	2										29
55.25		2	1												3
53.25		1													1
TOTALS	2	28	178	442	543	358	198	67	37	27	10	11	3	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-WAIST CIRCUMFERNCE	67.20	5.48	2.769X	+	20.090	2.93	0.845
X-WAIST DEPTH	17.01	1.67	0.258Y	-	0.324	0.89	

A BIVARIATE FREQUENCY TABLE FOR
WAIST CIRCUMFERENCE AND WAIST CIRCUMFERENCE, OVER FOUNDATION GARMENT

WAIST CIRCUMFERENCE, OVER FOUNDATION GARMENT

WAIST CIRCUMFERENCE	55 .25	57 .25	59 .25	61 .25	63 .25	65 .25	67 .25	69 .25	71 .25	73 .25	75 .25	77 .25	79 .25	81 .25	83 .25	85 .25	87 .25	89 .25	TOT ALS
95.25																		1	1
93.25																			0
91.25																1	1		2
89.25													1						1
87.25															2	2	1		5
85.25													2	2	1	1	1		7
83.25													3	4	1	1			9
81.25												5	4	5		1			15
79.25										3	4	12	6						25
77.25								2	2	9	8	7	4	2					34
75.25							1	6	17	25	13	7	1						70
73.25							10	17	28	23	5	3							86
71.25				2		10	30	53	21	18	1								135
69.25			2		7	40	84	52	19	2	2								208
67.25				10	47	87	70	21	1	1									237
65.25			3	29	86	75	23	6	2										224
63.25		2	17	80	85	20	8												212
61.25		6	38	72	28	4													148
59.25	1	21	39	16	1														78
57.25	2	9	2	1															14
55.25	1		1																2
TOTALS	4	38	102	210	254	236	226	157	90	81	33	34	21	13	4	6	3	1	1513

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-WAIST CIRCUMFERNCE	67.51	5.50	0.966X	+	3.528	2.06	0.927
X-WAIST CIRCUM, OFG	66.23	5.28	0.890Y	+	6.150	1.98	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
ABDOMINAL EXTENSION CIRCUMFERENCE AND HIP CIRCUMFERENCE-SEVEN INCHES BELOW WAIST LEVEL

HIP CIRCUMFERENCE-SEVEN INCHES BELOW WAIST LEVEL

ABDOMINAL EXTENSION CIRCUMFERENCE	77 .25	79 .25	81 .25	83 .25	85 .25	87 .25	89 .25	91 .25	93 .25	95 .25	97 .25	99 .25	101 .25	103 .25	105 .25	107 .25	109 .25	111 .25	113 .25	115 .25	117 .25	TOT ALS
118.00																				1		1
115.50																			1	1		2
113.00																	1		2	1		4
110.50																		1	3	1	1	6
108.00															1	2	1	3	1			8
105.50														1	3	1	3					8
103.00													4	4	6	5	5					24
100.50												2	4	15	4	3	3					31
98.00										2	6	11	9	14	3	3		1				49
95.50										7	13	24	17	11	3	1	1					77
93.00								2	7	23	34	34	22	6	2							130
90.50							2	11	33	48	52	30	13	2	1							192
88.00						2	13	34	55	64	37	20	7									232
85.50						5	39	64	72	49	26	7	5	1								268
83.00				3	7	28	49	62	67	40	16	7	2	1								282
80.50				5	25	43	65	58	21	16	9	2	1									245
78.00			4	7	26	36	38	30	19	5	7	1										173
75.50		2	6	11	13	28	10	14	8	5	1											98
73.00			6	12	9	10	9	5	2	1												54
70.50		1	2	4	3	4	2	1														17
68.00			1			1	1															3
65.50	1																					1
TOTALS	1	3	19	42	83	157	228	281	284	260	201	138	84	55	23	15	14	5	7	4	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-ABDOMINAL EXT CIRC	85.64	7.28	1.079X	- 15.389	4.08	0.828
X-HIP C-7" BLW WAIST	93.64	5.59	0.635Y	+ 39.252	3.13	

A BIVARIATE FREQUENCY TABLE FOR
ABDOMINAL EXTENSION CIRCUMFERENCE AND HIP CIRCUMFERENCE-NINE INCHES BELOW WAIST LEVEL

HIP CIRCUMFERENCE-NINE INCHES BELOW WAIST LEVEL

ABDOMINAL EXTENSION CIRCUMFERENCE	77 .25	79 .25	81 .25	83 .25	85 .25	87 .25	89 .25	91 .25	93 .25	95 .25	97 .25	99 .25	101 .25	103 .25	105 .25	107 .25	109 .25	111 .25	113 .25	115 .25	117 .25	119 .25	TOT ALS
118.00																					1		1
115.50																			2				2
113.00															1							3	4
110.50																		1	3	1	1		6
108.00														1		2		1	3	1			8
105.50													2		2	1	1	2					8
103.00												2	4	2	1	5	6	4					24
100.50												2	2	9	8	5	2	2	1				31
98.00										2	5	8	6	7	10	4	4	1	1	1			49
95.50									1	3	11	19	13	11	10	6	3						77
93.00								1	7	8	22	37	22	19	9	4	1						130
90.50							2	6	16	35	44	42	20	20	4	3							192
88.00						1	2	6	27	28	51	50	32	24	9	2							232
85.50							5	18	40	61	55	36	29	13	7	3		1					268
83.00			1	5	3	15	32	46	57	48	36	23	10	4	1			1					282
80.50		1	1	2	14	36	42	49	45	24	17	11	1	2									245
78.00			2	3	10	25	36	34	25	20	11	2	5										173
75.50	2	1	3	6	12	15	20	12	10	12	3	1	1										98
73.00	1		4	8	9	8	8	7	6	1		1	1										54
70.50		1	3	3	3	4	1	1	1														17
68.00				1			1	1															3
65.50			1																				1
TOTALS	3	3	15	28	52	110	166	224	257	259	235	209	124	91	51	30	18	12	10	3	2	3	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-ABDOMINAL EXT CIRC	85.64	7.28	0.924X	- 2.387	4.70	0.764
X-HIP C-9" BLW WAIST	95.27	6.02	0.631Y	+ 41.231	3.88	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
ABDOMINAL EXTENSION CIRCUMFERENCE AND UPPER THIGH CIRCUMFERENCE

UPPER THIGH CIRCUMFERENCE

ABDOMINAL EXTENSION CIRCUMFERENCE	43 .25	45 .25	47 .25	49 .25	51 .25	53 .25	55 .25	57 .25	59 .25	61 .25	63 .25	65 .25	67 .25	69 .25	71 .25	TOT ALS
118.00													1			1
115.50														2		2
113.00											1	1		1	1	4
110.50													3	1	2	6
108.00								1		1	1		4		1	8
105.50							1		1	2	1	2	1			8
103.00							1	1	6	3	5	6	1	1		24
100.50								2	9	9	6	4		1		31
98.00					1		5	13	6	10	8	4	1	1		49
95.50					1	2	6	11	23	20	12	2				77
93.00					1	5	23	19	41	26	9	6				130
90.50				2	5	23	41	54	42	19	4	2				192
88.00			1	2	12	37	66	62	39	11	2					232
85.50			1	3	28	67	75	46	32	12	4					268
83.00			7	11	35	75	67	57	24	4	2					282
80.50		4	8	33	60	62	48	23	6	1						245
78.00	1	2	8	28	50	38	25	9	9	3						173
75.50	1	5	13	19	22	19	12	6	1							98
73.00	1	2	8	17	10	9	3	3	1							54
70.50		2	3	6	3	1	2									17
68.00				1	2											3
65.50	1															1
TOTALS	4	15	49	122	230	338	375	307	240	121	55	27	11	7	4	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-ABDOMINAL EXT CIRC	85.64	7.28	1.235X	+	17.133	5.08	0.716
X-UPPER THIGH CIRCUM	55.48	4.22	0.415Y	+	19.933	2.95	

A BIVARIATE FREQUENCY TABLE FOR
ABDOMINAL EXTENSION CIRCUMFERENCE AND KNEE CIRCUMFERENCE

KNEE CIRCUMFERENCE

ABDOMINAL EXTENSION CIRCUMFERENCE	30 .75	31 .75	32 .75	33 .75	34 .75	35 .75	36 .75	37 .75	38 .75	39 .75	40 .75	41 .75	42 .75	43 .75	44 .75	45 .75	TOT ALS
118.00											1						1
115.50											1		1				2
113.00									1			2		1			4
110.50									1		1	1		1	1	1	6
108.00							1			1		3	2			1	8
105.50							1	2	1		1	3					8
103.00						1		1	6	5	5	2	1	1	2		24
100.50						2	5	3	5	7	4	4	1				31
98.00			1			5	9	10	8	6	4	5	1				49
95.50				2	6	10	11	16	12	10	6	3		1			77
93.00				2	9	16	30	25	25	11	8	3	1				130
90.50			2	11	18	38	43	30	25	17	7	1					192
88.00			7	11	31	44	59	33	31	12	2	1	1				232
85.50		1	9	20	42	61	56	49	19	7	4						268
83.00		2	18	29	57	58	51	40	18	7	1	1					282
80.50		11	25	45	71	37	28	16	8	3	1						245
78.00		11	11	43	37	31	23	10	4	3							173
75.50	2	7	16	26	17	11	9	7	2	1							98
73.00	3	4	11	14	10	6	4	2									54
70.50	3	2	3	3	3	3											17
68.00				2		1											3
65.50		1															1
TOTALS	8	39	103	208	301	324	330	244	166	90	46	29	8	4	3	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-ABDOMINAL EXT CIRC	85.64	7.28	1.956X	+	14.639	5.78	0.609
X-KNEE CIRCUMFERENCE	36.30	2.27	0.189Y	+	20.115	1.80	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
ABDOMINAL EXTENSION CIRCUMFERENCE AND CALF CIRCUMFERENCE, RIGHT

CALF CIRCUMFERENCE, RIGHT

ABDOMINAL EXTENSION CIRCUMFERENCE	26 .75	27 .75	28 .75	29 .75	30 .75	31 .75	32 .75	33 .75	34 .75	35 .75	36 .75	37 .75	38 .75	39 .75	40 .75	41 .75	42 .75	43 .75	44 .75	TOT ALS
118.00															1					1
115.50												1	1							2
113.00										1	1			1	1					4
110.50											1	1	1		1			1	1	6
108.00						1				1	1	2	1	1	1					8
105.50								2	1	1	1	1		2						8
103.00							2	1	1	6	5	2	5	2						24
100.50							2	2	3	7	4	8	3	1	1					31
98.00				1			2	5	6	14	10	7	2	2						49
95.50						1	6	15	15	14	11	6	6	2		1				77
93.00					1	5	13	17	25	23	28	13	3	1		1				130
90.50				2	4	9	21	38	42	29	29	13	2	1	2					192
88.00				1	5	17	32	48	45	36	25	15	5	2	1					232
85.50				2	8	30	39	65	45	29	31	12	7							268
83.00		1	2	3	20	32	65	57	49	25	18	9			1					282
80.50			1	9	31	52	42	53	25	20	10		2							245
78.00		1	3	12	22	32	31	22	21	19	5	4	1							173
75.50	1	1	3	10	10	20	16	18	9	6	3				1					98
73.00		1	2	3	9	10	13	9	5	2										54
70.50			1	1	4	7	1	2	1											17
68.00						1		2												3
65.50				1																1
TOTALS	1	4	12	45	114	217	285	356	293	233	183	94	39	15	10	2	0	1	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-ABDOMINAL EXT CIRC	85.64	7.28	1.674X + 28.488	6.23	0.517
X-CALF CIRCUM, RIGHT	34.14	2.25	0.159Y + 20.526	1.92	

A BIVARIATE FREQUENCY TABLE FOR
ABDOMINAL EXTENSION CIRCUMFERENCE AND ANKLE CIRCUMFERENCE

ANKLE CIRCUMFERENCE

ABDOMINAL EXTENSION CIRCUMFERENCE	17 .50	18 .00	18 .50	19 .00	19 .50	20 .00	20 .50	21 .00	21 .50	22 .00	22 .50	23 .00	23 .50	24 .00	24 .50	25 .00	25 .50	TOT ALS
118.00											1							1
115.50							1						1					2
113.00			1							1						1	1	4
110.50									2	2						1	1	6
108.00						1			1	2	2	1			1			8
105.50					1		1	1				3	2					8
103.00				1	1		3		2	7		6	4					24
100.50				1		2	3	2	2	10	4	2	4	1				31
98.00					3	1	4	9	7	6	8	4	3	2	2			49
95.50			1	1	4	6	6	17	10	11	6	8	3	3		1		77
93.00		1			7	10	19	24	15	19	12	8	6	5	3	1		130
90.50			1	5	6	19	29	31	32	28	21	10	6	4				192
88.00			2	4	11	27	30	41	32	36	18	17	7	5	1	1		232
85.50			1	3	10	31	35	60	35	36	25	15	11	3	3			268
83.00		2	9	15	25	38	36	58	40	33	11	6	4	2	2	1		282
80.50		1	5	19	29	43	39	42	26	20	11	4	5	1				245
78.00		3	9	17	17	27	27	20	22	13	3	9	3	1	1	1		173
75.50	1	2	6	10	16	18	8	9	12	9	3	2	2					98
73.00			2	7	10	11	6	7	6	4		1						54
70.50		1	1	3	3	1	3	2	2	1								17
68.00						1	1		1									3
65.50			1															1
TOTALS	1	10	39	86	143	236	251	323	247	238	125	96	61	27	13	7	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-ABDOMINAL EXT CIRC	85.64	7.28	2.013X + 43.200	6.80	0.356
X-ANKLE CIRCUMFERNCE	21.09	1.29	0.063Y + 15.669	1.20	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
ABDOMINAL EXTENSION CIRCUMFERENCE AND VERTICAL TRUNK CIRCUMFERENCE

VERTICAL TRUNK CIRCUMFERENCE

ABDOMINAL EXTENSION CIRCUMFERENCE	135 .25	137 .25	139 .25	141 .25	143 .25	145 .25	147 .25	149 .25	151 .25	153 .25	155 .25	157 .25	159 .25	161 .25	163 .25	165 .25	167 .25	169 .25	171 .25	173 .25	175 .25	177 .25	TOT ALS
118.00																						1	1
115.50																		1		1			2
113.00																	1	1	1	1			4
110.50																1		1	2		1	1	6
108.00													1		1		1		1	3	1		8
105.50													1	1		4			2				8
103.00											3		2	5	4	4		2	1	3			24
100.50										2	2	2	3	2	6	3	3	2	2	3	1		31
98.00									1		3	9	6	5	11	5	3	4	2				49
95.50								2	3	6	9	8	14	7	16	7	1	2		2			77
93.00							4	8	9	15	18	22	14	15	9	7	3	1	3	1	1		130
90.50					1	1	2	13	15	24	32	25	25	22	15	11	2	2	2				192
88.00			1	3	1	8	11	17	28	28	29	37	27	17	16	6	2	1					232
85.50				2	8	8	17	27	38	33	31	30	33	21	9	6	2	1	2				268
83.00			2	3	11	13	37	32	35	39	28	33	18	12	11	6	1		1				282
80.50	1		3	5	11	26	27	46	33	36	23	16	7	4	4	1	2						245
78.00	1		1	6	12	18	31	19	20	16	19	8	9	2	5	2	3	1					173
75.50		2	4	4	13	12	12	13	7	6	8	8	6	1		1	1						98
73.00		2	4	6	6	7	7	3	6	7	3	2			1								54
70.50				3	1	4	4	3	1	1													17
68.00					1	1			1														3
65.50						1																	1
TOTALS	2	4	15	32	65	99	152	183	197	213	208	200	166	114	108	64	25	19	19	14	4	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-ABDOMINAL EXT CIRC	85.64	7.28	0.633X	-	12.107	5.84	0.597
X-VERTICAL TRUNK CIR	154.43	6.87	0.564Y	+	106.123	5.51	

A BIVARIATE FREQUENCY TABLE FOR
ABDOMINAL EXTENSION CIRCUMFERENCE AND VERTICAL TRUNK CIRCUMFERENCE, SITTING

VERTICAL TRUNK CIRCUMFERENCE, SITTING

ABDOMINAL EXTENSION CIRCUMFERENCE	133 .25	135 .25	137 .25	139 .25	141 .25	143 .25	145 .25	147 .25	149 .25	151 .25	153 .25	155 .25	157 .25	159 .25	161 .25	163 .25	165 .25	167 .25	169 .25	171 .25	TOT ALS
118.00																			1		1
115.50																1			1		2
113.00												1			2				1		4
110.50																	4	2			6
108.00										1		1			1	3	1		1		8
105.50												1	1	3	2			1			8
103.00									2	1	4	4	2	2	2	3	3	1			24
100.50								1	2	4		5	6	5	1	4		2	1		31
98.00									1	8	7	8	9	9	1	4		1	1		49
95.50							2	4	12	12	11	9	6	11	6	2	1		1		77
93.00					1	4	6	6	11	14	13	28	16	7	8	6	6	2		1	1	130
90.50					1	2	7	10	22	27	25	28	22	20	17	7	1	1		2		192
88.00			1	3	2	6	12	23	19	29	37	39	24	16	12	6	2	1				232
85.50			1	1	10	14	19	24	30	38	39	28	24	22	10	4	1	3				268
83.00			3	8	10	17	26	30	37	43	28	34	20	12	5	5	3				1	282
80.50	1	2	6	12	22	44	32	31	30	27	14	12	7	2	2	1						245
78.00	1		5	9	22	21	23	20	19	21	13	7	5	3	4							173
75.50	3		8	14	6	13	15	8	10	6	4	2	8		1							98
73.00	2	2	7	6	6	7	8	2	7	3	3	1										54
70.50		2	2	1	1	7	1	1	2													17
68.00				1		1			1													3
65.50					1																	1
TOTALS	7	11	40	67	101	163	174	186	237	225	213	157	121	87	50	31	16	7	10	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-ABDOMINAL EXT CIRC	85.64	7.28	0.604X	-	4.995	6.11	0.544
X-VERTICAL TRK C,SIT	150.07	6.56	0.490Y	+	108.100	5.50	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
ABDOMINAL EXTENSION CIRCUMFERENCE AND BUTTOCK CIRCUMFERENCE, SITTING

BUTTOCK CIRCUMFERENCE, SITTING

ABDOMINAL EXTENSION CIRCUMFERENCE	85 .25	87 .25	89 .25	91 .25	93 .25	95 .25	97 .25	99 .25	101 .25	103 .25	105 .25	107 .25	109 .25	111 .25	113 .25	115 .25	117 .25	119 .25	121 .25	123 .25	125 .25	127 .25	129 .25	TOT ALS
118.00																							1	1
115.50																		2						2
113.00																		1	1	1	1			4
110.50																	1	1	1	3				6
108.00														1	1	1	2	3						8
105.50													1	1	3	1	2							8
103.00											1	2	1	7	4	4	3	2						24
100.50										1		5	10	8	3	2	1		1					31
98.00									2	7	3	11	15	4	1	4	2							49
95.50								1	2	7	11	11	18	11	10	5	1							77
93.00								6	9	15	24	29	29	11	3	2	1	1						130
90.50					1	2	10	34	39	55	28	16	7											192
88.00				1	2	12	31	52	49	39	37	5		3	1									232
85.50				2	11	31	64	62	40	28	18	8	3	1										268
83.00		1	4	11	20	51	57	67	30	21	12	6	1		1									282
80.50		1	5	28	39	59	49	30	20	9	2	2	1											245
78.00		3	7	23	37	42	17	25	11	6	1		1											173
75.50	4	5	12	14	18	18	6	10	10	1														98
73.00	3	4	15	6	8	5	8	4	1															54
70.50	1	3	3	6	3	1																		17
68.00		1				2																		3
65.50		1																						1
TOTALS	8	19	46	91	139	223	249	295	224	202	142	102	62	38	21	14	12	9	3	4	1	0	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-ABDOMINAL EXT CIRC	85.64	7.28	0.958X	-	10.153	4.35	0.802
X-BUTTOCK CIRC, SIT	100.00	6.09	0.670Y	+	42.615	3.64	

A BIVARIATE FREQUENCY TABLE FOR
ABDOMINAL EXTENSION CIRCUMFERENCE AND HIP BREADTH

HIP BREADTH

ABDOMINAL EXTENSION CIRCUMFERENCE	28 .75	29 .75	30 .75	31 .75	32 .75	33 .75	34 .75	35 .75	36 .75	37 .75	38 .75	39 .75	40 .75	41 .75	42 .75	43 .75	TOT ALS
118.00															1		1
115.50												1	1				2
113.00											1	1			1	1	4
110.50											1	1	2		1	1	6
108.00										1	3	2	2				8
105.50							2		1	1		3		1			8
103.00							2	3	2	6	2	5	4				24
100.50							1	2	7	6	5	6	4				31
98.00					2	1	6	6	8	7	10	2	5	2			49
95.50					1		13	16	16	14	6	6	4		1		77
93.00				1	4	3	18	30	37	15	16	5	1				130
90.50				2	4	23	45	41	39	23	12	3					192
88.00		1	1	2	14	40	49	60	40	14	7	4					232
85.50			2	6	31	58	72	53	27	12	3	3	1				268
83.00		2	8	16	40	66	54	57	18	16	5						282
80.50		1	11	33	59	48	53	29	9	2							245
78.00	1	1	4	23	50	37	29	17	4	6	1						173
75.50		2	10	20	20	17	19	9	1								98
73.00	1	4	6	14	12	8	6	2	1								54
70.50	2	2	4	5	2	1	1										17
68.00			1		1	1											3
65.50		1															1
TOTALS	4	14	47	122	240	303	370	325	210	123	72	42	24	3	4	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-ABDOMINAL EXT CIRC	85.64	7.28	2.186X	+	9.203	5.43	0.665
X-HIP BREADTH	34.97	2.22	0.203Y	+	17.583	1.65	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
ABDOMINAL EXTENSION CIRCUMFERENCE AND ABDOMINAL EXTENSION DEPTH

ABDOMINAL EXTENSION DEPTH

ABDOMINAL EXTENSION CIRCUMFERENCE	15 .75	16 .75	17 .75	18 .75	19 .75	20 .75	21 .75	22 .75	23 .75	24 .75	25 .75	26 .75	27 .75	28 .75	29 .75	30 .75	TOT ALS
118.00															1		1
115.50														1	1		2
113.00														2	1	1	4
110.50												1	1	2	2		6
108.00										1		2	1	3	1		8
105.50								1			1	2	3	1			8
103.00									2	7	5	8	2				24
100.50								2	5	11	9	4					31
98.00						1	3	9	15	15	4	2					49
95.50						5	9	26	25	6	5		1				77
93.00				2		12	45	36	25	7	2			1			130
90.50		1		2	12	45	70	44	13	5							192
88.00			1	11	27	79	78	26	9	1							232
85.50			1	21	89	80	52	20	3	2							268
83.00		1	9	43	88	86	42	9	4								282
80.50		1	31	66	92	48	6	1	1								245
78.00	1	5	34	51	46	29	6	1									173
75.50	3	9	21	26	26	8	4		1								98
73.00	2	4	16	16	12	3	1										54
70.50		1	4	10		2											17
68.00		2	1														3
65.50		1															1
TOTALS	6	25	118	247	392	398	316	175	103	55	26	19	8	10	6	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-ABDOMINAL EXT CIRC	85.64	7.28	2.823X	+	26.671	4.15	0.822
X-ABDOMINAL EXT DPTH	20.89	2.12	0.239Y	+	0.421	1.21	

A BIVARIATE FREQUENCY TABLE FOR
ABDOMINAL EXTENSION CIRCUMFERENCE AND ABDOMINAL EXTENSION CIRCUMFERENCE OVER FOUNDATION GARMENT

ABDOMINAL EXTENSION CIRCUMFERENCE, OVER FOUNDATION GARMENT

ABDOMINAL EXTENSION CIRCUMFERENCE	70 .50	73 .00	75 .50	78 .00	80 .50	83 .00	85 .50	88 .00	90 .50	93 .00	95 .50	98 .00	100 .50	103 .00	105 .50	108 .00	110 .50	113 .00	115 .50	118 .00	TOT ALS
118.00																				1	1
115.50																			2		2
113.00																		2		2	4
110.50																	2	2	2		6
108.00															3	2	1	1			7
105.50														1	2	1					6
103.00											1	2	2	10	5	2					22
100.50							1				1	3	10	8	5		1				29
98.00								1		2	8	16	7	5							39
95.50									6	14	25	18	5								68
93.00						2	2	2	9	18	38	31	11	3	1						117
90.50						1	8	10	23	54	38	19	8								161
88.00				2	3	12	45	52	59	13	5										191
85.50				4	15	43	59	56	26	4	4										211
83.00		1	3	7	23	61	52	41	20	7	3										218
80.50			8	23	55	43	34	12	4	3											182
78.00		3	18	25	37	27	11	6	2	1											130
75.50	1	5	11	15	19	7	4	7	1												70
73.00	2	5	5	11	4	6	2														35
70.50	2	4	3	1	2																12
68.00			1	1																	2
TOTALS	5	18	49	89	161	209	220	207	190	120	97	58	28	26	15	5	4	5	4	3	1513

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-ABDOMINAL EXT CIRC	86.17	7.35	0.883X	+	8.930	3.58	0.873
X-ABDOM EXT CIRC,OFG	87.48	7.26	0.863Y	+	13.110	3.54	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
HIP CIRCUMFERENCE-SEVEN INCHES BELOW WAIST AND HIP CIRCUMFERENCE-NINE INCHES BELOW WAIST LEVEL

HIP CIRCUMFERENCE-NINE INCHES BELOW WAIST LEVEL

HIP CIRCUMFERENCE-SEVEN INCHES BELOW WAIST LEVEL	77.25	79.25	81.25	83.25	85.25	87.25	89.25	91.25	93.25	95.25	97.25	99.25	101.25	103.25	105.25	107.25	109.25	111.25	113.25	115.25	117.25	119.25	TOTALS
117.25																					1		1
115.25																			2		1	1	4
113.25																			4	1		2	7
111.25																		2	1	2			5
109.25															1	3	3	5	2				14
107.25															1	3	5	4	1				15
105.25													1	1	6	11	4						23
103.25												2	6	16	20	8	2	1					55
101.25												7	20	33	15	5	4						84
99.25										1	13	50	44	24	6								138
97.25									1	18	60	73	32	15	2								201
95.25								7	11	72	98	54	17	1									260
93.25							1	25	85	103	45	21	4										284
91.25						1	22	77	109	54	16	2											281
89.25					4	18	71	81	42	9	3												228
87.25				4	12	46	58	28	7	2													157
85.25		1	1	5	23	34	12	5	2														83
83.25		1	5	10	12	11	2	1															42
81.25	1	1	7	9	1																		19
79.25	2		1																				3
77.25			1																				1
TOTALS	3	3	15	28	52	110	166	224	257	259	235	209	124	91	51	30	18	12	10	3	2	3	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-HIP C-7" BLW WAIST	93.64	5.59	0.872X + 10.559	1.92	0.939
X-HIP C-9" BLW WAIST	95.27	6.02	1.011Y + 0.606	2.07	

A BIVARIATE FREQUENCY TABLE FOR
HIP CIRCUMFERENCE-SEVEN INCHES BELOW WAIST LEVEL AND UPPER THIGH CIRCUMFERENCE

UPPER THIGH CIRCUMFERENCE

HIP CIRCUMFERENCE-SEVEN INCHES BELOW WAIST LEVEL	43.25	45.25	47.25	49.25	51.25	53.25	55.25	57.25	59.25	61.25	63.25	65.25	67.25	69.25	71.25	TOTALS
117.25															1	1
115.25													2	2		4
113.25												1	1	2	3	7
111.25												1	4			5
109.25											3	9	2			14
107.25								1	2	3	1	3	2	3		15
105.25								2	3	6	11	1				23
103.25							2	4	13	19	13	4				55
101.25							6	10	22	26	15	5				84
99.25					1	4	13	31	50	31	7	1				138
97.25					4	3	35	60	69	24	4	2				201
95.25					2	25	82	91	51	8	1					260
93.25				7	16	61	108	64	24	4						284
91.25			1	8	36	121	77	34	4							281
89.25		1	2	20	75	82	38	8	2							228
87.25		1	12	32	65	34	11	2								157
85.25		4	10	35	23	8	3									83
83.25		3	17	15	7											42
81.25	2	4	7	5	1											19
79.25	1	2														3
77.25	1															1
TOTALS	4	15	49	122	230	338	375	367	240	121	55	27	11	7	4	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-HIP C-7" BLW WAIST	93.64	5.59	1.146X + 30.061	2.80	0.865
X-UPPER THIGH CIRCUM	55.48	4.22	0.654Y - 5.763	2.11	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
HIP CIRCUMFERENCE-SEVEN INCHES BELOW WAIST LEVEL AND KNEE CIRCUMFERENCE

KNEE CIRCUMFERENCE

HIP CIRCUMFERENCE-SEVEN INCHES BELOW WAIST LEVEL	30 .75	31 .75	32 .75	33 .75	34 .75	35 .75	36 .75	37 .75	38 .75	39 .75	40 .75	41 .75	42 .75	43 .75	44 .75	45 .75	TOTALS
117.25														1			1
115.25											3	1					4
113.25									1			2	2	1	1		7
111.25											1	2	1			1	5
109.25								2	3	1	2	2	1	1	1	1	14
107.25							1	2	1	3	2	6					15
105.25				1		1	1	1	6	6	2	3	1		1		23
103.25						3	8	6	13	14	8	1	1	1			55
101.25					1	2	10	15	22	18	10	5	1				84
99.25			1	2	7	14	31	30	29	10	9	5					138
97.25			1	3	10	37	51	43	32	18	4	1	1				201
95.25			1	7	27	53	71	51	32	15	2	1					260
93.25			8	15	48	65	74	47	20	5	2						284
91.25		1	10	34	79	69	47	37	4								281
89.25		6	26	52	61	47	25	8	2		1						228
87.25	1	7	22	46	47	22	9	2	1								157
85.25		13	17	29	12	10	2										83
83.25	1	5	13	13	9	1											42
81.25	5	5	4	5													19
79.25	1	1		1													3
77.25		1															1
TOTALS	8	39	103	208	301	324	330	244	166	90	46	29	8	4	3	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-HIP C-7" BLW WAIST	93.64	5.59	1.858X	+	26.188	3.67	0.754
X-KNEE CIRCUMFERENCE	36.30	2.27	0.306Y	+	7.649	1.49	

A BIVARIATE FREQUENCY TABLE FOR
HIP CIRCUMFERENCE-SEVEN INCHES BELOW WAIST LEVEL AND CALF CIRCUMFERENCE, RIGHT

CALF CIRCUMFERENCE, RIGHT

HIP CIRCUMFERENCE-SEVEN INCHES BELOW WAIST LEVEL	26 .75	27 .75	28 .75	29 .75	30 .75	31 .75	32 .75	33 .75	34 .75	35 .75	36 .75	37 .75	38 .75	39 .75	40 .75	41 .75	42 .75	43 .75	44 .75	TOTALS
117.25															1					1
115.25												2		1	1					4
113.25											2		3		1			1		7
111.25												2		2					1	5
109.25								1	1	2	1	1	2	4	1	1				14
107.25							1	1	1	2	4	1	4							15
105.25									2	7	7	5	1	1						23
103.25								3	5	4	13	13	12	3	1	1				55
101.25					1	1	1	2	5	10	20	24	10	8	1	1				84
99.25							3	7	19	32	37	20	14	2	3	1				138
97.25						3	1	16	40	41	38	33	19	7	1	1	1			201
95.25				1	2	12	36	51	57	38	40	15	5	1	2					260
93.25				2	7	20	49	80	57	40	21	6	2							284
91.25				3	15	42	63	73	43	23	12	6	1							281
89.25			1	4	28	56	47	48	28	10	4	1	1							228
87.25		1	2	13	22	48	32	22	12	3	2									157
85.25		1	2	9	17	23	22	6	3											83
83.25			3	7	14	5	7	4	2											42
81.25	1	2	3	3	5	4		1												19
79.25			1	1		1														3
77.25				1																1
TOTALS	1	4	12	45	114	217	285	356	293	233	183	94	39	15	10	2	0	1	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-HIP C-7" BLW WAIST	93.64	5.59	1.671X	+	36.582	4.14	0.672
X-CALF CIRCUM, RIGHT	34.14	2.25	0.270Y	+	8.862	1.66	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
HIP CIRCUMFERENCE-SEVEN INCHES BELOW WAIST LEVEL AND ANKLE CIRCUMFERENCE

ANKLE CIRCUMFERENCE

HIP CIRCUMFERENCE-SEVEN INCHES BELOW WAIST LEVEL	17.50	18.00	18.50	19.00	19.50	20.00	20.50	21.00	21.50	22.00	22.50	23.00	23.50	24.00	24.50	25.00	25.50	TOTALS
117.25										1								1
115.25							1		1		1					1		4
113.25									1	2			1		1		2	7
111.25										2	1	1				1		5
109.25			1		1			1	1	3	2	2	2			1		14
107.25						2	2		2	4	1	2		2				15
105.25							3	1		6	4	6	3					23
103.25					2	2	4	4	10	11	4	6	9	2	1			55
101.25				2	3	1	3	16	13	14	11	7	8	5	1			84
99.25				1	4	10	18	19	11	30	17	13	5	6	4			138
97.25		1		3	5	14	29	43	27	30	18	15	8	4	2	2		201
95.25			1	2	13	28	38	39	47	35	26	18	6	2	3	2		260
93.25			3	9	12	35	33	59	49	40	21	10	9	3	1			284
91.25		1	3	9	20	46	42	59	37	31	13	12	6	2				281
89.25			7	18	30	39	32	51	23	17	4	3	3	1				228
87.25		2	7	18	28	28	25	20	17	9	1	1	1					157
85.25		3	6	10	16	17	14	7	6	3	1							83
83.25			5	11	5	10	5	4	2									42
81.25		2	5	3	4	3	2											19
79.25	1	1				1												3
77.25			1															1
TOTALS	1	10	39	86	143	236	251	323	247	238	125	96	61	27	13	7	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-HIP C-7" BLW WAIST	93.64	5.59	2.131X + 48.704	4.86	0.492
X-ANKLE CIRCUMFERNCE	21.09	1.29	0.113Y + 10.504	1.12	

A BIVARIATE FREQUENCY TABLE FOR
HIP CIRCUMFERENCE-SEVEN INCHES BELOW WAIST LEVEL AND VERTICAL TRUNK CIRCUMFERENCE

VERTICAL TRUNK CIRCUMFERENCE

HIP CIRCUMFERENCE-SEVEN INCHES BELOW WAIST LEVEL	135.25	137.25	139.25	141.25	143.25	145.25	147.25	149.25	151.25	153.25	155.25	157.25	159.25	161.25	163.25	165.25	167.25	169.25	171.25	173.25	175.25	177.25	TOTALS
117.25																			1				1
115.25																		2		1		1	4
113.25																1		1	2	2	1		7
111.25															1		1			1	1	1	5
109.25													3		1	3	1	2	2	2			14
107.25										1	2	1	3		2	1		2	2	1			15
105.25												2	1	4	7	4	2	1	1	1			23
103.25										1	3	4	7	9	13	7	1	3	2	4	1		55
101.25								3	1	5	9	8	10	6	18	13	6	1	3		1		84
99.25								4	7	14	18	15	21	28	14	9	3	4		1			138
97.25					1	1	4	5	14	21	26	37	32	19	18	9	5	3	5	1			201
95.25						4	9	21	27	29	44	44	35	21	12	11	3						260
93.25			1	3	3	4	21	36	42	37	37	36	30	17	12	4			1				284
91.25			2	2	6	13	37	43	40	45	34	31	14	5	6	1	2						281
89.25	1		2	2	15	30	31	36	39	33	15	13	4	3	3	1							228
87.25		1	4	8	17	17	22	21	17	21	15	7	4	2	1								157
85.25			2	8	9	16	19	9	9	3	4	1	2				1						83
83.25	1		2	3	9	9	8	5	1	3	1												42
81.25		2	1	5	5	4	1					1											19
79.25		1	1	1																			3
77.25						1																	1
TOTALS	2	4	15	32	65	99	152	183	197	213	208	200	166	114	108	64	25	19	19	14	4	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-HIP C-7" BLW WAIST	93.64	5.59	0.566X + 6.231	4.01	0.696
X-VERTICAL TRUNK CIR	154.43	6.87	0.856Y + 74.274	4.93	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
HIP CIRCUMFERENCE-SEVEN INCHES BELOW WAIST LEVEL AND VERTICAL TRUNK CIRCUMFERENCE, SITTING

VERTICAL TRUNK CIRCUMFERENCE, SITTING

HIP CIRCUMFERENCE-SEVEN INCHES BELOW WAIST LEVEL	133 .25	135 .25	137 .25	139 .25	141 .25	143 .25	145 .25	147 .25	149 .25	151 .25	153 .25	155 .25	157 .25	159 .25	161 .25	163 .25	165 .25	167 .25	169 .25	171 .25	TOT ALS
117.25																	1				1
115.25															1		1		2		4
113.25															1	2	1	2	1		7
111.25												1	1			2	1				5
109.25										2		4	2	1	2		2	1			14
107.25								1		3	1	1	2	2	1	3	1				15
105.25										1	2	3	6	3	2	3	1	1	1		23
103.25								1	4	3	8	7	10	9	2	5	1	2	3		55
101.25					1		3		6	10	12	16	8	12	8	4	2		1	1	84
99.25					1	2	3	4	19	18	25	20	15	19	6	4	2				138
97.25					3	9	9	13	24	30	33	26	18	14	11	5	3	1	2		201
95.25			1	3	4	9	20	33	42	32	45	25	21	14	9	2					260
93.25		1	2	5	13	18	30	42	36	47	36	23	17	9	3	1				1	284
91.25			2	11	15	39	34	40	43	41	22	16	13	2	3						281
89.25	1	3	5	15	23	35	37	29	32	20	15	9	2	1	1						228
87.25		4	13	11	13	27	20	12	21	14	12	5	4	1							157
85.25		1	7	7	15	17	12	10	6	3	2	1	2								83
83.25	4	1	4	9	8	6	5	1	4												42
81.25		1	5	6	4	1	1			1											19
79.25	2		1																		3
77.25					1																1
TOTALS	7	11	40	67	101	163	174	186	237	225	213	157	121	87	50	31	16	7	10	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-HIP C-7" BLW WAIST	93.64	5.59	0.545X + 11.850	4.29	0.640
X-VERTICAL TRK C,SIT	150.07	6.56	0.751Y + 79.745	5.04	

A BIVARIATE FREQUENCY TABLE FOR
HIP CIRCUMFERENCE-SEVEN INCHES BELOW WAIST LEVEL AND BUTTOCK CIRCUMFERENCE, SITTING

BUTTOCK CIRCUMFERENCE, SITTING

HIP CIRCUMFERENCE-SEVEN INCHES BELOW WAIST LEVEL	85 .25	87 .25	89 .25	91 .25	93 .25	95 .25	97 .25	99 .25	101 .25	103 .25	105 .25	107 .25	109 .25	111 .25	113 .25	115 .25	117 .25	119 .25	121 .25	123 .25	125 .25	127 .25	129 .25	TOT ALS
117.25																				1				1
115.25																		1		2			1	4
113.25																	2	2	1	1	1			7
111.25																	1	3	1					5
109.25														1	4	4	2	2	1					14
107.25													2	2	4	5	2							15
105.25												1	6	5	4	1	5	1						23
103.25											2	16	17	14	4	2								55
101.25									4	11	31	22	11	3	2									84
99.25							1	3	6	44	42	26	9	5	2									138
97.25							1	20	41	62	47	24	6											201
95.25						2	10	64	86	59	35	4												260
93.25						13	65	104	68	29	5													284
91.25					9	62	107	82	17	4														281
89.25			3	8	49	96	50	17	5															228
87.25			8	37	54	39	13	5	1															157
85.25		3	12	36	20	10	2																	83
83.25	1	8	17	9	6	1																		42
81.25	5	6	6	1	1																			19
79.25	2	1																						3
77.25		1																						1
TOTALS	8	19	46	91	139	223	249	295	224	202	142	102	62	38	21	14	12	9	3	4	1	0	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-HIP C-7" BLW WAIST	93.64	5.59	0.856X + 8.039	2.01	0.933
X-BUTTOCK CIRC, SIT	100.00	6.09	1.016Y + 4.863	2.20	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
HIP CIRCUMFERENCE-SEVEN INCHES BELOW WAIST LEVEL AND HIP BREADTH

HIP BREADTH

HIP CIRCUMFERENCE-SEVEN INCHES BELOW WAIST LEVEL	28 .75	29 .75	30 .75	31 .75	32 .75	33 .75	34 .75	35 .75	36 .75	37 .75	38 .75	39 .75	40 .75	41 .75	42 .75	43 .75	TOT ALS
117.25															1		1
115.25													2		2		4
113.25											1	2	2			2	7
111.25											1	2	1	1			5
109.25									1	1	2	5	4	1			14
107.25							1	1		1	4	4	4				15
105.25							1		2	5	6	4	3	1	1		23
103.25							3	4	10	10	18	9	1				55
101.25							6	9	18	27	12	8	4				84
99.25					2	2	17	28	46	21	14	6	2				138
97.25				1	3	9	36	55	55	31	9	1	1				201
95.25				1	4	25	74	88	44	19	4	1					260
93.25			1	4	12	57	94	82	27	7							284
91.25		2	2	7	45	93	80	43	7	1	1						281
89.25			3	22	81	71	38	13									228
87.25		1	11	41	50	36	16	2									157
85.25		2	12	28	29	10	2										83
83.25	1	4	10	13	13		1										42
81.25	2	3	7	5	1		1										19
79.25	1	1	1														3
77.25		1															1
TOTALS	4	14	47	122	240	303	370	325	210	123	72	42	24	3	4	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-HIP C-7" BLW WAIST	93.64	5.59	2.107X	+	19.958	3.07	0.836
X-HIP BREADTH	34.97	2.22	0.331Y	+	3.975	1.22	

A BIVARIATE FREQUENCY TABLE FOR
HIP CIRCUMFERENCE-SEVEN INCHES BELOW WAIST LEVEL AND BUTTOCK DEPTH

BUTTOCK DEPTH

HIP CIRCUMFERENCE-SEVEN INCHES BELOW WAIST LEVEL	15 .75	16 .75	17 .75	18 .75	19 .75	20 .75	21 .75	22 .75	23 .75	24 .75	25 .75	26 .75	27 .75	28 .75	29 .75	30 .75	TOT ALS
117.25													1				1
115.25										1		1	1	1			4
113.25										1	2	1	2			1	7
111.25											2	2	1				5
109.25									5	3	4	2					14
107.25							1		5	2	6	1					15
105.25								3	7	7	5	1					23
103.25							6	11	12	12	6	2					55
101.25						1	14	33	26	7	3						84
99.25					3	13	38	51	26	7							138
97.25				1	6	37	69	54	27	6	1						201
95.25					31	71	106	44	6	2							260
93.25				4	65	107	77	28	3								284
91.25			3	30	75	118	40	14	1								281
89.25			8	41	86	65	25	3									228
87.25		1	20	43	57	27	7	2									157
85.25		3	16	29	28	7											83
83.25		1	11	20	7	2	1										42
81.25		3	5	8	3												19
79.25		1	2														3
77.25	1																1
TOTALS	1	9	65	176	361	448	384	243	118	54	29	10	5	1	0	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-HIP C-7" BLW WAIST	93.64	5.59	2.560X	+	39.484	3.20	0.820
X-BUTTOCK DEPTH	21.15	1.79	0.263Y	-	3.473	1.02	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
HIP CIRCUMFERENCE -SEVEN INCHES BELOW WAIST AND HIP CIRCUMFERENCE-SEVEN INCHES BELOW WAIST-OFG

HIP CIRCUMFERENCE-SEVEN INCHES BELOW WAIST LEVEL

HIP CIRCUMFERENCE-SEVEN INCHES BELOW WAIST, OVER FOUNDATION GARMENT

	77 .25	79 .25	81 .25	83 .25	85 .25	87 .25	89 .25	91 .25	93 .25	95 .25	97 .25	99 .25	101 .25	103 .25	105 .25	107 .25	109 .25	111 .25	113 .25	115 .25	117 .25	119 .25	TOT ALS
117.25																				1			1
115.25																				3		1	4
113.25																		1	2	1	3		7
111.25																		5					5
109.25															1	5	5	1					12
107.25														1	5	2	3						11
105.25													1	4	9	5							19
103.25											1	2	17	20	11								51
101.25											10	26	26	11	2								75
99.25									1	10	41	41	17	1									111
97.25								1	12	50	68	26	2										159
95.25								10	64	99	36	4											213
93.25							13	55	101	45	8												222
91.25					1	2	56	119	44	9													231
89.25				1	6	45	71	44	10														177
87.25				4	20	55	25	8															112
85.25				9	29	20																	58
83.25			4	9	14	2																	29
81.25			6	7																			13
79.25	1	1	1																				3
TOTALS	1	1	11	30	70	124	165	237	232	213	164	99	63	37	28	12	8	7	2	5	3	1	1513

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-HIP C-7" BLW WAIST	93.94	5.63	0.957X	+	4.259	1.58	0.960
X-HIP C-7" BLW W,OFG	93.71	5.65	0.963Y	+	3.246	1.58	

A BIVARIATE FREQUENCY TABLE FOR
HIP CIRCUMFERENCE-NINE INCHES BELOW WAIST LEVEL AND UPPER THIGH CIRCUMFERENCE

HIP CIRCUMFERENCE-NINE INCHES BELOW WAIST LEVEL

UPPER THIGH CIRCUMFERENCE

	43 .25	45 .25	47 .25	49 .25	51 .25	53 .25	55 .25	57 .25	59 .25	61 .25	63 .25	65 .25	67 .25	69 .25	71 .25	TOT ALS
119.25												1		1	1	3
117.25													1		1	2
115.25												1	1	1		3
113.25									1			1	4	2	2	10
111.25										1	2	3	3	3		12
109.25							1		1	2	4	9	1			18
107.25								1	4	8	12	4	1			30
105.25							1	3	9	19	16	3				51
103.25							3	14	24	34	11	5				91
101.25						2	12	24	53	28	5					124
99.25					1	3	23	80	75	22	5					209
97.25					5	13	77	84	49	7						235
95.25				2	8	53	111	65	20							259
93.25				7	30	100	93	24	3							257
91.25		1		12	56	105	42	8								224
89.25			7	23	73	49	10	4								166
87.25		2	14	40	41	10	2		1							110
85.25		4	11	20	14	3										52
83.25		2	11	14	1											28
81.25	2	2	6	4	1											15
79.25		3														3
77.25	2	1														3
TOTALS	4	15	49	122	230	338	375	307	240	121	55	27	11	7	4	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-HIP C-9" BLW WAIST	95.27	6.02	1.274X	+	24.597	2.70	0.894
X-UPPER THIGH CIRCUM	55.48	4.22	0.627Y	-	4.260	1.89	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
HIP CIRCUMFERENCE-NINE INCHES BELOW WAIST LEVEL AND KNEE CIRCUMFERENCE

KNEE CIRCUMFERENCE

HIP CIRCUMFERENCE-NINE INCHES BELOW WAIST LEVEL	30 .75	31 .75	32 .75	33 .75	34 .75	35 .75	36 .75	37 .75	38 .75	39 .75	40 .75	41 .75	42 .75	43 .75	44 .75	45 .75	TOT ALS
119.25												2		1			3
117.25											1			1			2
115.25											1	1			1		3
113.25									2		2	1	4			1	10
111.25								1	1	1	1	6			1	1	12
109.25								1	2	6	4	4	1				18
107.25				1			2	2	6	12		3	2	1	1		30
105.25						2	4	7	16	9	10	3					51
103.25				1	2	5	13	19	23	12	10	5		1			91
101.25				1	3	12	26	21	29	19	11	1	1				124
99.25				3	11	34	49	54	35	17	4	2					209
97.25			2	4	22	42	76	53	21	12	2	1					235
95.25			4	15	38	57	80	42	21	2							259
93.25		1	8	34	61	79	41	27	6								257
91.25		3	16	31	78	49	32	12	3								224
89.25		5	21	47	49	32	6	5	1								166
87.25	1	12	26	33	27	10	1										110
85.25		6	13	23	9	1											52
83.25	3	8	8	7	1	1											28
81.25	1	2	5	7													15
79.25	1	1		1													3
77.25	2	1															3
TOTALS	8	39	103	208	301	324	330	244	166	90	46	29	8	4	3	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-HIP C-9" BLW WAIST	95.27	6.02	2.081X	+	19.729	3.74	0.784
X-KNEE CIRCUMFERENCE	36.30	2.27	0.295Y	+	8.196	1.41	

A BIVARIATE FREQUENCY TABLE FOR
HIP CIRCUMFERENCE-NINE INCHES BELOW WAIST LEVEL AND CALF CIRCUMFERENCE, RIGHT

CALF CIRCUMFERENCE, RIGHT

HIP CIRCUMFERENCE-NINE INCHES BELOW WAIST LEVEL	26 .75	27 .75	28 .75	29 .75	30 .75	31 .75	32 .75	33 .75	34 .75	35 .75	36 .75	37 .75	38 .75	39 .75	40 .75	41 .75	42 .75	43 .75	44 .75	TOT ALS
119.25											1			1	1					3
117.25															2					2
115.25														2				1		3
113.25											2	3	3	1	1					10
111.25								1	1		1	3	3	2					1	12
109.25								1		3	4	5	4	1						18
107.25								1	1	7	12	4	2	2		1				30
105.25					1		2	1	5	18	12	11		1						51
103.25				1		1		8	16	23	17	12	10	1	2					91
101.25						2	8	15	27	25	26	14	4	1	1	1				124
99.25					1	3	21	38	46	36	40	15	6	2	1					209
97.25					3	7	26	61	42	48	31	9	5	1	2					235
95.25				3	4	22	38	77	51	31	17	14	2							259
93.25				3	14	30	56	61	55	25	11	2								257
91.25			1	2	16	45	61	51	25	14	8	1								224
89.25		1	1	5	28	49	35	25	17	3	1	1								166
87.25		1	1	22	19	28	27	8	4											110
85.25			3	2	14	17	9	6	1											52
83.25	1		3	2	9	7	2	2	2											28
81.25		1	1	3	5	5														15
79.25			1	1		1														3
77.25		1	1	1																3
TOTALS	1	4	12	45	114	217	285	356	293	233	183	94	39	15	10	2	0	1	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-HIP C-9" BLW WAIST	95.27	6.02	1.868X	+	31.492	4.31	0.698
X-CALF CIRCUM, RIGHT	34.14	2.25	0.260Y	+	9.373	1.61	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
HIP CIRCUMFERENCE-NINE INCHES BELOW WAIST LEVEL AND ANKLE CIRCUMFERENCE

ANKLE CIRCUMFERENCE

HIP CIRCUMFERENCE-NINE INCHES BELOW WAIST LEVEL	17 .50	18 .00	18 .50	19 .00	19 .50	20 .00	20 .50	21 .00	21 .50	22 .00	22 .50	23 .00	23 .50	24 .00	24 .50	25 .00	25 .50	TOT ALS
119.25										1						1	1	3
117.25										1	1							2
115.25										1	1						1	3
113.25						1	1		2	1	2	1	1		1			10
111.25					1					4	1	3	1	1		1		12
109.25				1					2	7	2	2	2	1	1			18
107.25							4	1	6	7	4	2	5			1		30
105.25			1			3	4	7	8	5	7	9	4	3				51
103.25				1	1	3	9	9	11	19	9	12	8	7	2			91
101.25					7	8	9	18	11	34	13	10	7	3	3	1		124
99.25		1		4	8	17	29	40	26	27	27	13	10	4	3			209
97.25			3	4	7	14	34	46	42	40	18	15	5	2	3	2		235
95.25			2	6	11	35	31	52	41	32	17	16	10	5		1		259
93.25			3	8	18	41	35	60	42	26	10	8	6					257
91.25		1	9	11	27	31	38	45	25	20	12	4	1					224
89.25		1	2	18	23	39	28	24	18	10		1	1	1				166
87.25		3	8	18	20	21	14	17	6	2	1							110
85.25			2	7	12	13	8	3	6	1								52
83.25		2	7	4	4	3	6	1	1									28
81.25			1	4	4	6												15
79.25		1				1	1											3
77.25	1	1	1															3
TOTALS	1	10	39	86	143	236	251	323	247	238	125	96	61	27	13	7	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-HIP C-9" BLW WAIST	95.27	6.02	2.414X + 44.373	5.15	0.517
X-ANKLE CIRCUMFERNCE	21.09	1.29	0.111Y + 10.510	1.10	

A BIVARIATE FREQUENCY TABLE FOR
HIP CIRCUMFERENCE-NINE INCHES BELOW WAIST LEVEL AND VERTICAL TRUNK CIRCUMFERENCE

VERTICAL TRUNK CIRCUMFERENCE

HIP CIRCUMFERENCE-NINE INCHES BELOW WAIST LEVEL	135 .25	137 .25	139 .25	141 .25	143 .25	145 .25	147 .25	149 .25	151 .25	153 .25	155 .25	157 .25	159 .25	161 .25	163 .25	165 .25	167 .25	169 .25	171 .25	173 .25	175 .25	177 .25	TOT ALS
119.25																		1	1	1			3
117.25																			1			1	2
115.25															1				1		1		3
113.25												1				1	1	3	1	2	1		10
111.25										1			1		1	3		1	1	3		1	12
109.25											1		2	1	5	3	2	2	1	1			18
107.25										1	2	2	7	3	5	4	2	2	1	1			30
105.25											2	4	8	5	14	8	2	1	3	4			51
103.25								2		8	8	11	10	12	16	12	3	3	4	1	1		91
101.25								5	5	8	16	14	23	19	17	10	3	3			1		124
99.25						3	5	6	12	21	32	36	25	35	13	11	5	2	2	1			209
97.25			1			2	10	13	28	31	30	39	31	17	21	6	2	1	3				235
95.25				1	3	5	19	28	29	38	40	42	26	15	5	5	3						259
93.25				1	5	13	18	42	46	44	34	27	18	2	5	1	1						257
91.25			3	5	11	17	33	41	35	24	24	13	9	3	5		1						224
89.25	1		1	1	15	16	33	24	23	24	13	10	3	2									166
87.25		1	4	8	14	22	20	14	14	7	4		2										110
85.25			3	7	8	9	9	5	4	6	1												52
83.25		1	1	4	6	8	3	2	1		1	1											28
81.25			1	5	3	2	2	1					1										15
79.25	1					2																	3
77.25		2	1																				3
TOTALS	2	4	15	32	65	99	152	183	197	213	208	200	166	114	108	64	25	19	19	14	4	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-HIP C-9" BLW WAIST	95.27	6.02	0.628X - 1.707	4.19	0.717
X-VERTICAL TRUNK CIR	154.43	6.87	0.819Y + 76.398	4.79	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
HIP CIRCUMFERENCE-NINE INCHES BELOW WAIST LEVEL AND VERTICAL TRUNK CIRCUMFERENCE, SITTING

VERTICAL TRUNK CIRCUMFERENCE, SITTING

HIP CIRCUMFERENCE-NINE INCHES BELOW WAIST LEVEL	133 .25	135 .25	137 .25	139 .25	141 .25	143 .25	145 .25	147 .25	149 .25	151 .25	153 .25	155 .25	157 .25	159 .25	161 .25	163 .25	165 .25	167 .25	169 .25	171 .25	TOT ALS
119.25															2				1		3
117.25																	1		1		2
115.25													1			1		1			3
113.25												3				2	3	1	1		10
111.25								1				2	1	2		4	2				12
109.25									1	2	1		3	2	6	1	1	1			18
107.25										6	3	7	4	5		2	2		1		30
105.25							1	2	1	5	8	14	7	4	4			3	2		51
103.25					1		3	3	7	7	15	14	14	12	5	5	2		3		91
101.25					1	2	4	1	21	13	22	12	17	18	7	4	1			1	124
99.25					1	6	10	14	25	35	32	35	17	17	10	4	3				209
97.25		1	1	2	6	13	11	28	25	40	45	25	13	9	9	3	1	1	1	1	235
95.25			1	6	4	19	28	36	40	44	38	15	12	10	5	1					259
93.25			1	11	15	21	30	42	47	40	11	23	13	2	1						257
91.25		2	3	14	22	32	33	34	27	17	23	6	7	3	1						224
89.25	1	2	7	8	17	33	23	15	27	12	14	3	4								166
87.25		2	14	10	15	23	20	6	11	4	2	3									110
85.25	2	2	3	5	12	8	8	3	4	3	2										52
83.25	1	1	6	7	3	5	1	2		1		1									28
81.25			4	4	4		2						1								15
79.25	1					1	1														3
77.25	2	1																			3
TOTALS	7	11	40	67	101	163	174	186	237	225	213	157	121	87	50	31	16	7	10	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-HIP C-9" BLW WAIST	95.27	6.02	0.604X + 4.633	4.53	0.658
X-VERTICAL TRK C,SIT	150.07	6.56	0.717Y + 81.756	4.94	

A BIVARIATE FREQUENCY TABLE FOR
HIP CIRCUMFERENCE-NINE INCHES BELOW WAIST LEVEL AND BUTTOCK CIRCUMFERENCE, SITTING

BUTTOCK CIRCUMFERENCE, SITTING

HIP CIRCUMFERENCE-NINE INCHES BELOW WAIST LEVEL	85 .25	87 .25	89 .25	91 .25	93 .25	95 .25	97 .25	99 .25	101 .25	103 .25	105 .25	107 .25	109 .25	111 .25	113 .25	115 .25	117 .25	119 .25	121 .25	123 .25	125 .25	127 .25	129 .25	TOT ALS
119.25																			1	1	1			3
117.25																				1			1	2
115.25																	2	1						3
113.25															1	1	1	4	1	2				10
111.25														1		2	4	2	1					12
109.25														2	5	5	4	2						18
107.25													5	7	5	6	3	3	1					30
105.25												1	11	20	12	4		2	1					51
103.25									1	5	23	32	16	11	2	1								91
101.25								1	1	6	33	38	30	11	2	2								124
99.25								1	13	39	83	46	19	5	2		1							209
97.25							1	3	64	81	58	25	3											235
95.25						1	12	44	97	74	21	8	2											259
93.25						5	37	106	88	18	2	1												257
91.25			1	3	20	89	78	28	5															224
89.25			3	14	64	67	14	4																166
87.25			11	45	39	13	2																	110
85.25	1	5	13	25	4	4																		52
83.25	2	6	11	4	5																			28
81.25	3	6	5		1																			15
79.25		1	2																					3
77.25	2	1																						3
TOTALS	8	19	46	91	139	223	249	295	224	202	142	102	62	38	21	14	12	9	3	4	1	0	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-HIP C-9" BLW WAIST	95.27	6.02	0.929X + 2.375	2.05	0.940
X-BUTTOCK CIRC, SIT	106.00	6.09	0.951Y + 9.393	2.08	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
HIP CIRCUMFERENCE-NINE INCHES BELOW WAIST AND HIP CIRCUMFERENCE-NINE INCHES BELOW WAIST-OFG

HIP CIRCUMFERENCE-NINE INCHES BELOW WAIST, OVER FOUNDATION GARMENT

HIP CIRCUMFERENCE-NINE INCHES BELOW WAIST LEVEL

	77.25	79.25	81.25	83.25	85.25	87.25	89.25	91.25	93.25	95.25	97.25	99.25	101.25	103.25	105.25	107.25	109.25	111.25	113.25	115.25	117.25	119.25	TOTALS
119.25																				1		2	3
117.25																					2		2
115.25																			2	1			3
113.25																		3	2	4			9
111.25																	2	6	4				12
109.25																3	7	1	2				13
107.25															2	10	10	1	1				24
105.25														4	18	22	2						46
103.25													1	3	31	34	7						76
101.25												1	4	49	43	10							107
99.25										1	6	51	88	22	1								169
97.25									1		1	63	108	23	1								197
95.25								6	48	104	43	3	1										205
93.25							1	1	44	120	29	2	1										198
91.25							2	34	95	38	3	1											173
89.25							27	69	19	4													119
87.25			1		11	50	23	1															86
85.25				5	22	9	4																40
83.25			4	6	7	1																	18
81.25		2	5	3																			10
79.25			1																				1
77.25	1	1																					2
TOTALS	1	3	11	14	40	90	132	165	212	206	210	167	102	65	42	21	8	10	4	6	2	2	1513

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-HIP C-9" BLW WAIST	95.59	6.04	1.012X	-	0.852	1.32	0.976
X-HIP C-9" BLW W,OFG	95.30	5.83	0.941Y	+	5.348	1.27	

A BIVARIATE FREQUENCY TABLE FOR
UPPER THIGH CIRCUMFERENCE AND KNEE CIRCUMFERENCE

KNEE CIRCUMFERENCE

UPPER THIGH CIRCUMFERENCE

	30.75	31.75	32.75	33.75	34.75	35.75	36.75	37.75	38.75	39.75	40.75	41.75	42.75	43.75	44.75	45.75	TOTALS
71.25												1	1	2			4
69.25											1	4	1		1		7
67.25									1	1	2	4	1			2	11
65.25						1		3	2	6	7	3	2	2	1		27
63.25							6	6	18	7	7	7	3		1		55
61.25					2	9	15	18	30	26	14	7					121
59.25			1	4	7	22	54	55	55	27	12	3					240
57.25			1	11	28	55	89	70	34	17	2						307
55.25		1	4	22	68	85	97	69	23	5	1						375
53.25		4	23	42	103	94	50	18	3	1							338
51.25	2	9	24	66	66	41	18	4									230
49.25		12	30	41	22	15	1	1									122
47.25	3	7	17	16	5	1											49
45.25	1	4	3	6		1											15
43.25	2	2															4
TOTALS	8	39	103	208	301	324	330	244	166	90	46	29	8	4	3	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-UPPER THIGH CIRCUM	55.48	4.22	1.453X	+	2.729	2.64	0.780
X-KNEE CIRCUMFERENCE	36.30	2.27	0.419Y	+	13.057	1.42	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
UPPER THIGH CIRCUMFERENCE AND CALF CIRCUMFERENCE, RIGHT

CALF CIRCUMFERENCE, RIGHT

UPPER THIGH CIRCUMFERENCE	26.75	27.75	28.75	29.75	30.75	31.75	32.75	33.75	34.75	35.75	36.75	37.75	38.75	39.75	40.75	41.75	42.75	43.75	44.75	TOTALS
71.25													2		2					4
69.25									1			2	2	1				1		7
67.25											2	3	1	2	2				1	11
65.25								1	1	4	6	4	5	5		1				27
63.25								3	5	13	17	11	4	2						55
61.25						3	2	8	19	27	32	22	6	1	1					121
59.25					2	2	16	27	52	52	54	19	7	4	4	1				240
57.25				1	1	11	38	66	68	62	36	16	7		1					307
55.25				1	13	27	61	113	74	44	25	13	4							375
53.25				7	16	60	87	84	47	25	9	2	1							338
51.25			2	9	36	66	46	41	20	6	2	2								230
49.25			4	13	28	33	26	13	5											122
47.25	1	2	3	8	14	11	9		1											49
45.25			3	4	4	4														15
43.25		2		2																4
TOTALS	1	4	12	45	114	217	285	356	293	233	183	94	39	15	10	2	0	1	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-UPPER THIGH CIRCUM	55.48	4.22	1.331X	+	10.030	2.98	0.709
X-CALF CIRCUM, RIGHT	34.14	2.25	0.377Y	+	13.229	1.58	

A BIVARIATE FREQUENCY TABLE FOR
UPPER THIGH CIRCUMFERENCE AND BUTTOCK CIRCUMFERENCE, SITTING

BUTTOCK CIRCUMFERENCE, SITTING

UPPER THIGH CIRCUMFERENCE	85.25	87.25	89.25	91.25	93.25	95.25	97.25	99.25	101.25	103.25	105.25	107.25	109.25	111.25	113.25	115.25	117.25	119.25	121.25	123.25	125.25	127.25	129.25	TOTALS
71.25																	1	1	1	1				4
69.25													1			1	2	2		1				7
67.25													1	2	1			3	1	2			1	11
65.25										1		3	2	6	5	4	4		1		1			27
63.25									1	5	3	10	11	10	8	3	2	2						55
61.25								1	6	15	29	32	20	9	3	3	2	1						121
59.25						2	3	23	43	68	43	28	19	7	1	2	1							240
57.25					2	10	22	66	69	67	41	21	3	3	2	1								307
55.25			1	1	9	35	75	113	74	31	22	7	5	1	1									375
53.25			4	9	28	90	104	63	25	11	3	1												338
51.25	2		5	35	57	61	34	25	6	4	1													230
49.25	2	8	17	27	33	21	10	4																122
47.25	1	7	13	16	8	3	1																	49
45.25	2	1	6	3	2	1																		15
43.25	1	3																						4
TOTALS	8	19	46	91	139	223	249	295	224	202	142	102	62	38	21	14	12	9	3	4	1	0	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-UPPER THIGH CIRCUM	55.48	4.22	0.590X	-	3.523	2.21	0.851
X-BUTTOCK CIRC, SIT	100.00	6.09	1.226Y	+	31.874	3.20	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
KNEE CIRCUMFERENCE AND CALF CIRCUMFERENCE, RIGHT

CALF CIRCUMFERENCE, RIGHT

KNEE CIRCUMFERENCE	26 .75	27 .75	28 .75	29 .75	30 .75	31 .75	32 .75	33 .75	34 .75	35 .75	36 .75	37 .75	38 .75	39 .75	40 .75	41 .75	42 .75	43 .75	44 .75	TOT ALS
45.75															1				1	2
44.75														2				1		3
43.75													1		2	1				4
42.75										1		4	2	1						8
41.75									1	2	6	5	7	7	1					29
40.75							1	2	3	5	11	13	5	2	4					46
39.75							1	1	6	17	31	20	10	2	1	1				90
38.75							4	14	32	44	44	18	8	1	1					166
37.75					1	4	11	37	63	55	46	23	4							244
36.75					5	11	44	89	79	64	29	8	1							330
35.75				2	9	33	67	105	63	30	11	3	1							324
34.75			1	1	21	57	92	76	36	13	4									301
33.75			1	13	36	72	46	27	10	2	1									208
32.75		1	4	15	29	31	18	5												103
31.75	1	2	4	12	11	8	1													39
30.75		1	2	2	2	1														8
TOTALS	1	4	12	45	114	217	285	356	293	233	183	94	39	15	10	2	0	1	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-KNEE CIRCUMFERENCE	36.30	2.27	0.799X + 9.021	1.38	0.792
X-CALF CIRCUM, RIGHT	34.14	2.25	0.786Y + 5.611	1.37	

A BIVARIATE FREQUENCY TABLE FOR
CALF CIRCUMFERENCE, RIGHT AND CALF CIRCUMFERENCE, LEFT

CALF CIRCUMFERENCE, LEFT

CALF CIRCUMFERENCE, RIGHT	26 .75	27 .75	28 .75	29 .75	30 .75	31 .75	32 .75	33 .75	34 .75	35 .75	36 .75	37 .75	38 .75	39 .75	40 .75	41 .75	42 .75	43 .75	TOT ALS
44.75																		1	1
43.75																		1	1
42.75																			0
41.75															1	1			2
40.75														5	3	2			10
39.75												2	2	8	3				15
38.75											2	9	20	8					39
37.75											21	51	21	1					94
36.75									1	36	115	33	1						183
35.75								5	43	135	49	1							233
34.75							5	53	154	74	7								293
33.75						3	52	233	92	6									356
32.75					1	47	154	76	7										285
31.75				1	24	139	52	1											217
30.75			2	16	55	35	6												114
29.75		1	6	25	12	1													45
28.75		1	9	1	1														12
27.75		3	1																4
26.75	1																		1
TOTALS	1	5	18	43	93	225	269	368	297	251	194	96	44	22	7	3	0	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-CALF CIRCUM, RIGHT	34.14	2.25	0.947X + 1.726	0.61	0.962
X-CALF CIRCUM, LEFT	34.23	2.28	0.977Y + 0.873	0.62	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
CALF CIRCUMFERENCE, RIGHT AND ANKLE CIRCUMFERENCE

ANKLE CIRCUMFERENCE

CALF CIRCUMFERENCE, RIGHT	17.50	18.00	18.50	19.00	19.50	20.00	20.50	21.00	21.50	22.00	22.50	23.00	23.50	24.00	24.50	25.00	25.50	TOTALS
44.75																1		1
43.75																	1	1
42.75																		0
41.75																2		2
40.75						1			1	2	3	1			1		1	10
39.75										2	3	2	5	2		1		15
38.75						1			2	4	4	9	9	5	4	1		39
37.75							1	2	11	11	15	22	17	8	6	1		94
36.75					1	2	5	23	24	53	34	20	13	8				183
35.75			1	1		4	18	39	57	46	29	25	10	2	1			233
34.75			1	1	4	25	31	77	60	56	22	9	4	2		1		293
33.75			1	9	16	53	81	83	48	46	10	7	1		1			356
32.75		1	3	11	39	60	61	67	23	14	4		2					285
31.75		1	6	28	40	55	38	25	19	4	1							217
30.75		2	12	22	30	27	13	5	2			1						114
29.75	1	2	11	9	11	7	2	2										45
28.75		3	2	3	2	1	1											12
27.75		1	1	2														4
26.75			1															1
TOTALS	1	10	39	86	143	236	251	323	247	238	125	96	61	27	13	7	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-CALF CIRCUM, RIGHT	34.14	2.25	1.300X + 6.733	1.50	0.746
X-ANKLE CIRCUMFERNCE	21.09	1.29	0.428Y + 6.472	0.86	

A BIVARIATE FREQUENCY TABLE FOR
VERTICAL TRUNK CIRCUMFERENCE AND VERTICAL TRUNK CIRCUMFERENCE, SITTING

VERTICAL TRUNK CIRCUMFERENCE, SITTING

VERTICAL TRUNK CIRCUMFERENCE	133.25	135.25	137.25	139.25	141.25	143.25	145.25	147.25	149.25	151.25	153.25	155.25	157.25	159.25	161.25	163.25	165.25	167.25	169.25	171.25	173.25	175.25	177.25	TOTALS
177.25																							1	2
175.25																						1	1	4
173.25																					3	5	1	14
171.25																				1	5	5	3	19
169.25																			1	2	3	3	5	19
167.25																	1	4	3	6	7	3	1	25
165.25																	2	8	15	16	11	9	3	64
163.25																1	6	20	32	28	18	3		108
161.25															1	2	13	19	24	27	19	7	2	114
159.25															3	7	25	46	45	27	13			166
157.25													1	4	3	17	52	76	35	12				200
155.25														5	24	58	58	40	18	3	2			208
153.25													5	18	43	76	47	23	1					213
151.25							3	19	33	57	56	28							1					197
149.25				1	3	13	42	61	44	18	1													183
147.25				1	10	32	60	35	11	3														152
145.25			1	6	15	29	31	17																99
143.25			3	13	26	18	4	1																65
141.25		1	2	12	10	6	1																	32
139.25		3	3	6	3																			15
137.25		1	2	1																				4
135.25		2																						2
TOTALS	7	11	40	67	101	163	174	186	237	225	213	157	121	87	50	31	16	7	10	2	1905			

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-VERTICAL TRUNK CIR	154.43	6.87	0.974X + 8.262	2.53	0.930
X-VERTICAL TRK C,SIT	150.07	6.56	0.887Y + 13.090	2.41	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
BUTTOCK CIRCUMFERENCE, SITTING AND HIP BREADTH

HIP BREADTH

BUTTOCK CIRCUMFERENCE, SITTING	28 .75	29 .75	30 .75	31 .75	32 .75	33 .75	34 .75	35 .75	36 .75	37 .75	38 .75	39 .75	40 .75	41 .75	42 .75	43 .75	TOT ALS
129.25															1		1
127.25																	0
125.25												1					1
123.25													1		2	1	4
121.25												1	1			1	3
119.25											3	3	3				9
117.25								1	1	1	2	1	3	3			12
115.25							1	1		2	2	5	3				14
113.25							2		2	2	6	7	2				21
111.25							1	3	5	5	9	7	8				38
109.25							4	7	13	12	16	6	3		1		62
107.25					2		7	16	29	28	11	9					102
105.25					1	5	11	34	40	35	14	2					142
103.25				1		11	41	62	60	23	4						202
101.25				1	7	27	63	76	38	10	2						224
99.25			1	2	23	54	104	84	19	5	3						295
97.25		1	1	10	33	83	90	28	3								249
95.25		1	4	25	70	79	32	12									223
93.25		1	7	30	59	31	10	1									139
91.25		2	12	35	30	11	1										91
89.25	1	5	13	12	11	2	2										46
87.25	1	2	6	5	4		1										19
85.25	2	2	3	1													8
TOTALS	4	14	47	122	240	303	370	325	210	123	72	42	24	3	4	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-BUTTOCK CIRC, SIT	100.00	6.09	2.319X	+	18.905	3.27	0.844
X-HIP BREADTH	34.97	2.22	0.307Y	+	4.269	1.19	

A BIVARIATE FREQUENCY TABLE FOR
BUTTOCK CIRCUMFERENCE, SITTING AND BUTTOCK CIRCUMFERENCE, SITTING, OVER FOUNDATION GARMENT

BUTTOCK CIRCUMFERENCE, SITTING, OVER FOUNDATION GARMENT

BUTTOCK CIRCUMFERENCE, SITTING	83 .25	85 .25	87 .25	89 .25	91 .25	93 .25	95 .25	97 .25	99 .25	101 .25	103 .25	105 .25	107 .25	109 .25	111 .25	113 .25	115 .25	117 .25	119 .25	121 .25	123 .25	125 .25	127 .25	129 .25	TOT ALS
129.25																								1	1
127.25																									0
125.25																					1				1
123.25																				1	1	1		1	4
121.25																		1		1			1		3
119.25																1		4	2	1	1				9
117.25															1	1	4	2	2						10
115.25														1	3	2	3								9
113.25														4	4	4	3								15
111.25													4	9	7	11	4	1							36
109.25												3	6	17	18	9									53
107.25									1	3	14	29	28	10	4										89
105.25								1	6	21	43	41	11	2											125
103.25								3	19	50	52	28	4	1											157
101.25							3	17	71	64	18	6	1												180
99.25						2	23	62	107	34	6	1													235
97.25				1		14	64	73	42	5															199
95.25				1	8	57	71	26	3																166
93.25			1	5	28	45	17	4	1	1															102
91.25			1	12	41	11	1																		66
89.25		2	10	13	9	3	1																		38
87.25		1	5	5																					11
85.25	1	1	2																						4
TOTALS	1	4	19	37	86	132	180	186	250	178	136	115	70	43	32	12	11	7	4	3	3	1	2	1	1513

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-BUTTOCK CIRC, SIT	100.31	6.13	0.955X	+	5.172	1.91	0.950
X-BUTTOCK C, SIT,OFG	99.62	6.10	0.945Y	+	4.828	1.90	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
BUTTOCK CIRCUMFERENCE, SITTING AND THIGH-TO-THIGH BREADTH, SITTING, OVER FOUNDATION GARMENT

THIGH-TO-THIGH BREADTH, SITTING, OVER FOUNDATION GARMENT

BUTTOCK CIRCUMFERENCE, SITTING	28.75	29.75	30.75	31.75	32.75	33.75	34.75	35.75	36.75	37.75	38.75	39.75	40.75	41.75	42.75	43.75	44.75	45.75	46.75	47.75	48.75	TOTALS
129.25																		1				1
127.25																						0
125.25																1						1
123.25																		1	3			4
121.25																	1	1			1	3
119.25												1			3		5					9
117.25														2	3	1	1	3				10
115.25													1	4	2	2						9
113.25												2	2	3	4	4						15
111.25											5	7	6	7	8	3						36
109.25										2	9	12	16	7	4	3						53
107.25									3	7	23	22	19	11	3	1						89
105.25								3	3	16	38	39	20	4	2							125
103.25							1	2	27	43	44	23	13	4								157
101.25						1	2	18	54	49	32	20	3	1								180
99.25						1	15	47	74	63	29	5	1									235
97.25						10	38	67	51	24	8	1										199
95.25				1	6	25	50	57	19	6	2											166
93.25				5	12	28	34	19	3	1												102
91.25				7	10	29	13	5	2													66
89.25			2	9	12	11	4															38
87.25			2	4	2	3																11
85.25	1			2		1																4
TOTALS	1	0	4	28	42	109	157	218	236	211	190	132	81	43	29	15	7	6	3	0	1	1513

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-BUTTOCK CIRC, SIT	100.31	6.13	2.053X	+	23.844	2.85	0.886
X-THI-THI BR,SIT,OFG	37.25	2.65	0.382Y	-	1.072	1.23	

A BIVARIATE FREQUENCY TABLE FOR
SCYE CIRCUMFERENCE AND AXILLARY ARM CIRCUMFERENCE

AXILLARY ARM CIRCUMFERENCE

SCYE CIRCUMFERENCE	20.75	21.75	22.75	23.75	24.75	25.75	26.75	27.75	28.75	29.75	30.75	31.75	32.75	33.75	34.75	35.75	36.75	37.75	38.75	TOTALS
48.75																	1			1
47.75																				0
46.75																			1	1
45.75														1	1	1				3
44.75														1						1
43.75										1	1		2	1	1		2			8
42.75									2		2	6	8	2	1	1	1			23
41.75								1	1	7	12	12	14	2						49
40.75							1	8	8	18	21	11	6	3	1					77
39.75						1	2	5	16	36	42	18	12	4	1					137
38.75					1	2	4	25	52	72	52	21	7	2						238
37.75					3	7	27	61	86	78	40	12	5	1						320
36.75				2	4	21	64	98	71	39	15	1								315
35.75			1	2	21	45	76	83	58	22	9	2								319
34.75				4	30	68	63	43	20	1										229
33.75		2	3	11	22	45	24	15	3	1										126
32.75			1	6	19	7	2	1												36
31.75		1	1	5	5	7	1													20
30.75				1																1
29.75																				0
28.75			1																	1
TOTALS	3	7	31	105	203	263	332	315	260	184	90	53	37	11	4	2	4	0	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-SCYE CIRCUMFERENCE	37.10	2.29	0.791X	+	15.394	1.35	0.808
X-AXILLARY ARM CIRC	27.44	2.34	0.826Y	-	3.204	1.38	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
SCYE CIRCUMFERENCE AND BICEPS CIRCUMFERENCE, RELAXED, RIGHT

BICEPS CIRCUMFERENCE, RELAXED, RIGHT

SCYE CIRCUMFERENCE	19 .75	20 .75	21 .75	22 .75	23 .75	24 .75	25 .75	26 .75	27 .75	28 .75	29 .75	30 .75	31 .75	32 .75	33 .75	34 .75	35 .75	36 .75	37 .75	TOT ALS
48.75															1					1
47.75																				0
46.75																	1			1
45.75										1		1	1							3
44.75												1								1
43.75									1	2		1		1	1	1	1			8
42.75							1		2	6	4	4	2	1	1	1			1	23
41.75							3	2	10	7	8	11	3	3	1	1				49
40.75						4	8	17	18	14	6	7	2	1						77
39.75				1	4	9	18	33	37	13	13	8		1						137
38.75				2	11	30	59	50	40	24	15	7								238
37.75			1	6	23	67	75	78	37	23	9		1							320
36.75		1	6	16	64	72	77	53	21	3	2									315
35.75		1	12	40	82	72	67	34	5	5	1									319
34.75		5	13	52	72	55	19	9	4											229
33.75	3	8	23	38	26	19	5	4												126
32.75		3	15	11	3	4														36
31.75	1	1	6	7	5															20
30.75			1																	1
29.75																				0
28.75				1																1
TOTALS	4	19	77	174	290	332	332	280	175	98	58	40	9	7	4	3	2	0	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-SCYE CIRCUMFERENCE	37.10	2.29	0.738X + 18.197	1.54	0.739
X-BICEPS C,RELAXED,R	25.61	2.29	0.741Y - 1.878	1.54	

A BIVARIATE FREQUENCY TABLE FOR
SCYE CIRCUMFERENCE AND BICEPS CIRCUMFERENCE, FLEXED, RIGHT

BICEPS CIRCUMFERENCE, FLEXED, RIGHT

SCYE CIRCUMFERENCE	20 .75	21 .75	22 .75	23 .75	24 .75	25 .75	26 .75	27 .75	28 .75	29 .75	30 .75	31 .75	32 .75	33 .75	34 .75	35 .75	36 .75	37 .75	38 .75	TOT ALS
48.75																1				1
47.75																				0
46.75																	1			1
45.75											1	1	1							3
44.75												1								1
43.75									2		1	1			1	1	2			8
42.75								1	1	8	5	2	1	3			1		1	23
41.75							2	5	6	8	10	12	1	3	2					49
40.75						1	8	18	12	17	14	4	1	2						77
39.75				2	3	8	13	32	32	23	14	4	5	1						137
38.75				1	8	27	50	64	33	29	17	7	2							238
37.75				8	16	59	81	72	38	32	13		1							320
36.75		1	4	18	44	82	75	65	19	3	4									315
35.75		3	6	38	72	76	71	35	10	4	4									319
34.75	1	4	11	47	65	58	25	14	3	1										229
33.75	1	7	19	36	32	19	9	3												126
32.75		1	14	13	7	1														36
31.75	2		5	8	5															20
30.75			1																	1
29.75																				0
28.75					1															1
TOTALS	4	16	60	171	253	331	334	309	156	125	83	32	12	9	3	2	4	0	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-SCYE CIRCUMFERENCE	37.10	2.29	0.726X + 17.645	1.55	0.734
X-BICEPS C,FLEXED, R	26.79	2.32	0.743Y - 0.770	1.57	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
SCYE CIRCUMFERENCE AND ELBOW CIRCUMFERENCE, FLEXED

ELBOW CIRCUMFERENCE, FLEXED

SCYE CIRCUMFERENCE	21 .75	22 .75	23 .75	24 .75	25 .75	26 .75	27 .75	28 .75	29 .75	30 .75	31 .75	32 .75	33 .75	34 .75	35 .75	TOTALS
48.75							1									1
47.75																0
46.75												1				1
45.75							1			1	1					3
44.75						1										1
43.75						1		1	2	1	2		1			8
42.75						3	2	11	2	2	1	1			1	23
41.75					2	6	7	16	10	5	3					49
40.75					7	9	25	16	13	5	2					77
39.75				2	14	22	37	37	18	5	2					137
38.75			2	12	23	60	49	55	21	11	5					238
37.75			8	24	40	88	87	38	26	6	3					320
36.75		1	13	24	83	84	63	27	15	4	1					315
35.75		2	11	49	87	82	47	23	14	4						319
34.75	1	10	14	55	55	52	22	17	3							229
33.75		7	17	37	30	19	8	7	1							126
32.75	1	2	6	10	8	6	2	1								36
31.75	1	4	3	1	10	1										20
30.75				1												1
29.75																0
28.75	1															1
TOTALS	4	26	74	215	359	434	351	249	125	44	20	2	1	0	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-SCYE CIRCUMFERENCE	37.10	2.29	0.68SX + 18.511	1.93	0.537
X-ELBOW CIRC, FLEXED	26.98	1.78	0.418Y + 11.470	1.50	

A BIVARIATE FREQUENCY TABLE FOR
SCYE CIRCUMFERENCE AND FOREARM CIRCUMFERENCE, RELAXED

FOREARM CIRCUMFERENCE, RELAXED

SCYE CIRCUMFERENCE	19 .50	20 .00	20 .50	21 .00	21 .50	22 .00	22 .50	23 .00	23 .50	24 .00	24 .50	25 .00	25 .50	26 .00	26 .50	27 .00	27 .50	28 .00	28 .50	29 .00	29 .50	30 .00	TOTALS
48.75															1								1
47.75																							0
46.75																				1			1
45.75													1			1		1					3
44.75											1												1
43.75											1		1	2			1		2		1		8
42.75										2	1	1	7	5	4	1					1	1	23
41.75							1		1	3	11	11	7	6	3	3	2		1				49
40.75							1	4	5	6	21	9	15	10	3	3							77
39.75					2	1	3	9	16	22	29	21	19	5	7	1	1	1					137
38.75				1		3	16	21	33	47	55	22	28	6	4	2							238
37.75					3	11	23	52	67	62	42	37	17	4	2								320
36.75				4	11	24	38	65	82	45	29	17											315
35.75			2	2	28	47	67	54	53	41	18	4	3										319
34.75		1	6	15	23	47	47	46	27	10	6	1											229
33.75		2	7	14	31	30	20	10	8														126
32.75		3	3	9	6	8	5	2															36
31.75	1	1	1	2	7	5	3																20
30.75				1																			1
29.75																							0
28.75			1																				1
TOTALS	1	7	20	52	111	176	224	263	292	238	214	123	98	38	24	11	4	2	3	1	2	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-SCYE CIRCUMFERENCE	37.10	2.29	1.20EX + 8.785	1.57	0.726
X-FOREARM C, RELAXED	23.46	1.38	0.438Y + 7.228	0.95	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
SCYE CIRCUMFERENCE AND FOREARM CIRCUMFERENCE, FLEXED

FOREARM CIRCUMFERENCE, FLEXED

SCYE CIRCUMFERENCE	20 .75	21 .75	22 .75	23 .75	24 .75	25 .75	26 .75	27 .75	28 .75	29 .75	30 .75	31 .75	32 .75	TOTALS
48.75							1							1
47.75														0
46.75											1			1
45.75								1	1	1				3
44.75						1								1
43.75							2	1		2	3			8
42.75					1	1	6	10	2	2			1	23
41.75				1	2	12	13	12	8		1			49
40.75				2	8	24	26	10	6	1				77
39.75			2	5	23	45	40	18	3	1				137
38.75			4	24	47	86	54	20	3					238
37.75			8	41	109	84	66	11	1					320
36.75		2	18	70	118	83	21	3						315
35.75		4	37	101	113	46	17	1						319
34.75		13	50	92	54	17	3							229
33.75	1	15	39	51	16	4								126
32.75	2	9	14	9	2									36
31.75	2	4	8	6										20
30.75		1												1
29.75														0
28.75	1													1
TOTALS	6	48	180	402	493	403	249	87	24	7	5	0	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-SCYE CIRCUMFERENCE	37.10	2.29	1.059X + 10.649	1.63	0.703
X-FOREARM C, FLEXED	24.98	1.52	0.467Y + 7.650	1.08	

A BIVARIATE FREQUENCY TABLE FOR
AXILLARY ARM CIRCUMFERENCE AND BICEPS CIRCUMFERENCE, RELAXED, RIGHT

BICEPS CIRCUMFERENCE, RELAXED, RIGHT

AXILLARY ARM CIRCUMFERENCE	19 .75	20 .75	21 .75	22 .75	23 .75	24 .75	25 .75	26 .75	27 .75	28 .75	29 .75	30 .75	31 .75	32 .75	33 .75	34 .75	35 .75	36 .75	37 .75	TOTALS
38.75																	1			1
37.75																				0
36.75															2	2				4
35.75													2							2
34.75										1		1		1					1	4
33.75											2	6	1	1			1			11
32.75									5	3	5	15	2	4	2	1				37
31.75							2	1	8	14	15	9	4							53
30.75						1	3	12	24	27	18	4		1						90
29.75					2	4	17	46	62	33	15	5								184
28.75				1	5	25	73	87	49	17	3									260
27.75				1	18	61	115	95	22	3										315
26.75				7	62	125	100	33	5											332
25.75			5	41	104	88	19	6												263
24.75		1	22	74	77	26	3													203
23.75		5	34	42	22	2														105
22.75	2	8	15	6																31
21.75	1	3	1	2																7
20.75	1	2																		3
TOTALS	4	19	77	174	290	332	332	280	175	98	58	40	9	7	4	3	2	0	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-AXILLARY ARM CIRC	27.44	2.34	0.909X + 4.158	1.06	0.891
X-BICEPS C,RELAXED,R	25.61	2.29	0.873Y + 1.658	1.04	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
AXILLARY ARM CIRCUMFERENCE AND BICEPS CIRCUMFERENCE, FLEXED, RIGHT

BICEPS CIRCUMFERENCE, FLEXED, RIGHT

AXILLARY ARM CIRCUMFERENCE	20 .75	21 .75	22 .75	23 .75	24 .75	25 .75	26 .75	27 .75	28 .75	29 .75	30 .75	31 .75	32 .75	33 .75	34 .75	35 .75	36 .75	37 .75	38 .75	TOT ALS
38.75																	1			1
37.75																				0
36.75															1	1	2			4
35.75											1	1								2
34.75											2					1			1	4
33.75											4	4	1	1			1			11
32.75									2	5	6	12	3	7	2					37
31.75							2	1	5	18	13	10	4							53
30.75							3	11	20	29	21	3	2	1						90
29.75				1	2	2	13	47	43	48	24	2	2							184
28.75				1	1	29	60	92	50	18	9									260
27.75				1	18	55	113	94	25	6	3									315
26.75			1	8	51	110	99	53	10											332
25.75		1	7	33	82	93	34	11	1	1										263
24.75		1	16	67	76	34	9													203
23.75		3	23	49	21	8	1													105
22.75	3	6	11	10	1															31
21.75		4	1	1	1															7
20.75	1	1	1																	3
TOTALS	4	16	60	171	253	331	334	309	156	125	83	32	12	9	3	2	4	0	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-AXILLARY ARM CIRC	27.44	2.34	0.678X	+ 3.913	1.16	0.869
X-BICEPS C,FLEXED, R	26.79	2.32	0.860Y	+ 3.197	1.15	

A BIVARIATE FREQUENCY TABLE FOR
AXILLARY ARM CIRCUMFERENCE AND ELBOW CIRCUMFERENCE, FLEXED

ELBOW CIRCUMFERENCE, FLEXED

AXILLARY ARM CIRCUMFERENCE	21 .75	22 .75	23 .75	24 .75	25 .75	26 .75	27 .75	28 .75	29 .75	30 .75	31 .75	32 .75	33 .75	34 .75	35 .75	TOT ALS
38.75												1				1
37.75																0
36.75							1			2	1					4
35.75							1	1								2
34.75							1			1			1		1	4
33.75						1	2	5		1	2					11
32.75						6	10	9	7	3	1	1				37
31.75					3	4	19	14	8	3	2					53
30.75				4	6	17	23	17	12	8	3					90
29.75				5	19	40	41	49	25	3	2					184
28.75			4	12	42	68	57	45	19	8	5					260
27.75	1		10	30	61	82	60	42	19	8	2					315
26.75		4	15	41	82	88	61	24	13	4						332
25.75		1	11	51	53	64	39	23	17	2	2					263
24.75		12	16	46	54	37	23	10	4	1						203
23.75		3	13	20	26	21	11	10	1							105
22.75	1	5	3	6	11	4	1									31
21.75	1	1	2		1	1	1									7
20.75	1				1	1										3
TOTALS	4	26	74	215	359	434	351	249	125	44	20	2	1	0	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-AXILLARY ARM CIRC	27.44	2.34	0.626X	+ 10.551	2.06	0.477
X-ELBOW CIRC, FLEXED	26.98	1.78	0.364Y	+ 16.989	1.57	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
AXILLARY ARM CIRCUMFERENCE AND FOREARM CIRCUMFERENCE, RELAXED

FOREARM CIRCUMFERENCE, RELAXED

AXILLARY ARM CIRCUMFERENCE	19 .50	20 .00	20 .50	21 .00	21 .50	22 .00	22 .50	23 .00	23 .50	24 .00	24 .50	25 .00	25 .50	26 .00	26 .50	27 .00	27 .50	28 .00	28 .50	29 .00	29 .50	30 .00	TOT ALS
38.75																				1			1
37.75																							0
36.75															1				1		2		4
35.75													1		1								2
34.75														1			1	1				1	4
33.75											1	1	3	4		1			1				11
32.75										2	5	3	8	9	3	4	2		1				37
31.75								1	2	9	8	8	13	4	5	3							53
30.75							1	3	7	7	21	15	18	11	4	2		1					90
29.75						1	3	15	17	37	43	30	27	3	7		1						184
28.75					2	6	13	24	61	49	52	29	18	4	1	1							260
27.75				1	6	10	32	55	75	59	47	23	3	2	2								315
26.75				8	9	36	53	67	70	52	22	9	6										332
25.75		1		5	22	47	53	55	46	17	12	4	1										263
24.75			5	18	34	51	44	33	12	4	2												203
23.75		2	4	13	26	22	22	10	2	2	1	1											105
22.75		3	5	6	11	3	3																31
21.75		1	5		1																		7
20.75	1		1	1																			3
TOTALS	1	7	20	52	111	176	224	263	292	239	214	123	98	38	24	11	4	2	3	1	2	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-AXILLARY ARM CIRC	27.44	2.34	1.295X	-	2.964	1.51	0.763
X-FOREARM C, RELAXED	23.48	1.38	0.450Y	+	11.129	0.89	

A BIVARIATE FREQUENCY TABLE FOR
AXILLARY ARM CIRCUMFERENCE AND FOREARM CIRCUMFERENCE, FLEXED

FOREARM CIRCUMFERENCE, FLEXED

AXILLARY ARM CIRCUMFERENCE	20 .75	21 .75	22 .75	23 .75	24 .75	25 .75	26 .75	27 .75	28 .75	29 .75	30 .75	31 .75	32 .75	TOT ALS
38.75											1			1
37.75														0
36.75							1			1	2			4
35.75								2						2
34.75							1			2			1	4
33.75						1	5	3	1		1			11
32.75					1	4	14	7	8	2	1			37
31.75				1	3	16	16	13	3	1				53
30.75				1	10	27	25	20	6	1				90
29.75				7	35	58	59	21	4					184
28.75			3	28	72	89	55	11	2					260
27.75			12	51	110	95	41	6						315
26.75		3	27	87	131	63	18	3						332
25.75		2	34	96	82	38	10	1						263
24.75		11	61	82	38	9	2							203
23.75	1	13	36	40	10	3	2							105
22.75	2	15	5	8	1									31
21.75	2	3	1	1										7
20.75	1	1	1											3
TOTALS	6	48	180	402	493	403	249	87	24	7	5	0	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-AXILLARY ARM CIRC	27.44	2.34	1.127X	-	0.709	1.59	0.732
X-FOREARM C, FLEXED	24.98	1.52	0.475Y	+	11.942	1.04	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
BICEPS CIRCUMFERENCE, RELAXED, RIGHT AND BICEPS CIRCUMFERENCE, FLEXED, RIGHT

BICEPS CIRCUMFERENCE, FLEXED, RIGHT

BICEPS CIRCUMFERENCE, RELAXED, RIGHT	20 .75	21 .75	22 .75	23 .75	24 .75	25 .75	26 .75	27 .75	28 .75	29 .75	30 .75	31 .75	32 .75	33 .75	34 .75	35 .75	36 .75	37 .75	38 .75	TOT ALS
37.75																			1	1
36.75																				0
35.75																	2			2
34.75															1		2			3
33.75														1	2	1				4
32.75														6		1				7
31.75											1	6	2							9
30.75											12	18	8	2						40
29.75										14	35	7	2							58
28.75								2	14	50	31	1								98
27.75								40	77	54	4									175
26.75							2	48	164	59	7									280
25.75						1	44	185	96	6										332
24.75					1	35	195	94	7											332
23.75				34	162	87	7													290
22.75		1	12	104	54	3														174
21.75		4	40	32	1															77
20.75	2	10	7																	19
19.75	2	1	1																	4
TOTALS	4	16	60	171	253	331	334	309	156	125	83	32	12	9	3	2	4	0	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-BICEPS C,RELAXED,R	25.61	2.29	0.961X	-	0.138	0.56	0.970
X-BICEPS C,FLEXED, R	26.79	2.32	0.979Y	+	1.720	0.56	

A BIVARIATE FREQUENCY TABLE FOR
BICEPS CIRCUMFERENCE, RELAXED, RIGHT AND BICEPS CIRCUMFERENCE, RELAXED, LEFT

BICEPS CIRCUMFERENCE, RELAXED, LEFT

BICEPS CIRCUMFERENCE, RELAXED, RIGHT	19 .75	20 .75	21 .75	22 .75	23 .75	24 .75	25 .75	26 .75	27 .75	28 .75	29 .75	30 .75	31 .75	32 .75	33 .75	34 .75	35 .75	36 .75	37 .75	TOT ALS
37.75																			1	1
36.75																				0
35.75																	1	1		2
34.75															1	1		1		3
33.75													1	1	2					4
32.75												1	1		3	2				7
31.75												1	6	2						9
30.75											11	14	10	5						40
29.75								2	6	10	23	14	2	1						58
28.75								7	22	37	29	2	1							98
27.75							1	6	50	76	32	10								175
26.75							9	78	122	70	8	1								280
25.75						3	72	165	79	12	1									332
24.75					3	77	162	81	9											332
23.75				3	63	146	74	4												290
22.75			1	34	99	46	3	1												174
21.75	1	10	46	18	2															77
20.75	3	12	4																	19
19.75	3	1																		4
TOTALS	7	24	87	173	274	321	327	269	186	88	74	32	21	9	6	3	1	2	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-BICEPS C,RELAXED,R	25.61	2.29	0.907X	+	2.336	0.70	0.952
X-BICEPS C,RELAXED,L	25.66	2.41	1.000Y	+	0.051	0.74	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
BICEPS CIRCUMFERENCE, RELAXED, RIGHT AND ELBOW CIRCUMFERENCE, FLEXED

ELBOW CIRCUMFERENCE, FLEXED

BICEPS CIRCUMFERENCE, RELAXED, RIGHT	21 .75	22 .75	23 .75	24 .75	25 .75	26 .75	27 .75	28 .75	29 .75	30 .75	31 .75	32 .75	33 .75	34 .75	35 .75	TOTALS
37.75															1	1
36.75																0
35.75											1	1				2
34.75									1	1	1					3
33.75							2			1	1					4
32.75						2	1	1	1	1			1			7
31.75							3	6								9
30.75						3	12	13	3	5	3	1				40
29.75				3	2	3	17	15	13	4	1					58
28.75				1	10	17	23	30	13	2	2					98
27.75			2	2	12	42	46	33	29	6	3					175
26.75			2	17	46	72	58	49	19	13	4					280
25.75			6	24	67	100	61	48	17	7	2					332
24.75		3	15	52	89	71	60	22	17	2	1					332
23.75	1	2	22	56	65	72	43	20	8	1						290
22.75	1	9	12	37	45	33	22	10	3	1	1					174
21.75		7	11	21	21	13	1	2	1							77
20.75	1	4	3	2	1	6	2									19
19.75	1	1	1		1											4
TOTALS	4	26	74	215	359	434	351	249	125	44	20	2	1	0	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-BICEPS C,RELAXED,R	25.61	2.29	0.663X + 7.726	1.97	0.515
X-ELBOW CIRC, FLEXED	26.98	1.78	0.400Y + 16.732	1.53	

A BIVARIATE FREQUENCY TABLE FOR
BICEPS CIRCUMFERENCE, RELAXED, RIGHT AND FOREARM CIRCUMFERENCE, RELAXED

FOREARM CIRCUMFERENCE, RELAXED

BICEPS CIRCUMFERENCE, RELAXED, RIGHT	19 .50	20 .00	20 .50	21 .00	21 .50	22 .00	22 .50	23 .00	23 .50	24 .00	24 .50	25 .00	25 .50	26 .00	26 .50	27 .00	27 .50	28 .00	28 .50	29 .00	29 .50	30 .00	TOTALS
37.75																						1	1
36.75																							0
35.75																			1	1			2
34.75																1					2		3
33.75													1		1				2				4
32.75													1	2	2	1	1						7
31.75											2	2	2		2		1						9
30.75											5	5	11	10	3	4	2						40
29.75								1	3	6	9	5	17	10	5	1		1					58
28.75							1	1	1	5	12	20	16	26	8	6	1		1				98
27.75								1	11	21	35	40	36	22	5	2	2						175
26.75							3	11	25	67	56	67	35	10	3	2	1						280
25.75					1	1	10	29	62	85	74	45	16	8		1							332
24.75				1	4	7	28	76	72	71	43	23	7										332
23.75					11	30	68	62	66	37	12	3	1										290
22.75			1	4	15	37	53	37	24	3													174
21.75			2	6	19	29	13	7	1														77
20.75			2	8	2	7																	19
19.75	1		2	1																			4
TOTALS	1	7	20	52	111	176	224	263	292	236	214	123	98	38	24	11	4	2	3	1	2	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-BICEPS C,RELAXED,R	25.61	2.29	1.364X - 6.410	1.31	0.820
X-FOREARM C, RELAXED	23.48	1.38	0.493Y + 10.850	0.79	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
BICEPS CIRCUMFERENCE, RELAXED, RIGHT AND FOREARM CIRCUMFERENCE, FLEXED

FOREARM CIRCUMFERENCE, FLEXED

BICEPS CIRCUMFERENCE, RELAXED, RIGHT	20 .75	21 .75	22 .75	23 .75	24 .75	25 .75	26 .75	27 .75	28 .75	29 .75	30 .75	31 .75	32 .75	TOT ALS
37.75													1	1
36.75														0
35.75											2			2
34.75									1	1	1			3
33.75							2				2			4
32.75							2	1	3	1				7
31.75						2	3	3	1					9
30.75						5	16	11	5	3				40
29.75					4	13	17	19	4	1				58
28.75				1	7	26	39	19	5	1				98
27.75				5	29	63	59	15	4					175
26.75				22	85	101	57	14	1					280
25.75		1	5	47	137	101	37	4						332
24.75		2	24	102	127	64	12	1						332
23.75		2	52	128	79	25	4							290
22.75	1	13	59	75	22	3	1							174
21.75	1	16	35	22	3									77
20.75	3	11	5											19
19.75	1	3												4
TOTALS	6	48	180	402	493	403	249	87	24	7	5	0	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-BICEPS C,RELAXED,R	25.61	2.29	1.195X - 4.234	1.40	0.792
X-FOREARM C, FLEXED	24.98	1.52	0.525Y + 11.529	0.93	

A BIVARIATE FREQUENCY TABLE FOR
BICEPS CIRCUMFERENCE, FLEXED, RIGHT AND BICEPS CIRCUMFERENCE, FLEXED, LEFT

BICEPS CIRCUMFERENCE, FLEXED, LEFT

BICEPS CIRCUMFERENCE, FLEXED, RIGHT	20 .75	21 .75	22 .75	23 .75	24 .75	25 .75	26 .75	27 .75	28 .75	29 .75	30 .75	31 .75	32 .75	33 .75	34 .75	35 .75	36 .75	37 .75	38 .75	TOT ALS
38.75																			1	1
37.75																				0
36.75																2	2			4
35.75																1	1			2
34.75														1	2					3
33.75												1	4	2	2					9
32.75											2	1	9							12
31.75											9	10	10	3						32
30.75								1	12	30	26	11	3							83
29.75								17	39	53	14	2								125
28.75							14	59	58	23	2									156
27.75					2	22	120	119	40	5	1									309
26.75					12	114	157	49	2											334
25.75			1	13	113	155	41	8												331
24.75			5	74	118	54	1	1												253
23.75		4	46	83	32	6														171
22.75	1	12	36	10	1															60
21.75	6	8	2																	16
20.75	4																			4
TOTALS	11	24	90	180	278	351	333	254	151	111	54	25	26	6	4	3	3	0	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-BICEPS C,FLEXED, R	26.79	2.32	0.920X + 2.379	0.75	0.947
X-BICEPS C,FLEXED, L	26.54	2.38	0.974Y + 0.441	0.77	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
BICEPS CIRCUMFERENCE, FLEXED, RIGHT AND ELBOW CIRCUMFERENCE, FLEXED

ELBOW CIRCUMFERENCE, FLEXED

BICEPS CIRCUMFERENCE, FLEXED, RIGHT	21 .75	22 .75	23 .75	24 .75	25 .75	26 .75	27 .75	28 .75	29 .75	30 .75	31 .75	32 .75	33 .75	34 .75	35 .75	TOTALS
38.75															1	1
37.75																0
36.75										1	2	1				4
35.75							1						1			2
34.75									1	1	1					3
33.75						2	3	1	1	1		1				9
32.75						1	2	5	2	1	1					12
31.75					1	1	7	11	7	4	1					32
30.75				2	6	6	26	26	10	5	2					83
29.75				3	7	22	34	31	18	5	5					125
28.75				2	12	34	40	33	23	7	5					156
27.75		1	3	15	46	88	66	55	22	12	1					309
26.75		1	9	27	77	92	65	34	23	5	1					334
25.75		1	18	51	79	85	53	32	11	1						331
24.75	2	3	18	57	68	52	36	11	5	1						253
23.75		6	15	41	46	37	14	10	1		1					171
22.75		9	8	15	15	9	3		1							60
21.75	1	2	3	2	2	5	1									16
20.75	1	3														4
TOTALS	4	26	74	215	359	434	351	249	125	44	20	2	1	0	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-BICEPS C,FLEXED, R	26.79	2.32	0.718X + 7.425	1.93	0.553
X-ELBOW CIRC, FLEXED	26.98	1.78	0.426Y + 15.562	1.49	

A BIVARIATE FREQUENCY TABLE FOR
BICEPS CIRCUMFERENCE, FLEXED, RIGHT AND FOREARM CIRCUMFERENCE, RELAXED

FOREARM CIRCUMFERENCE, RELAXED

BICEPS CIRCUMFERENCE, FLEXED, RIGHT	19 .50	20 .00	20 .50	21 .00	21 .50	22 .00	22 .50	23 .00	23 .50	24 .00	24 .50	25 .00	25 .50	26 .00	26 .50	27 .00	27 .50	28 .00	28 .50	29 .00	29 .50	30 .00	TOTALS
38.75																						1	1
37.75																							0
36.75																			1	1	2		4
35.75															1		1						2
34.75																1			2				3
33.75													2	2	3	2							9
32.75											1	1	4	2	1	2		1					12
31.75											6	4	10	6	2	2	2						32
30.75							1		3	6	14	12	24	13	8		1	1					83
29.75						1		1	13	23	25	22	21	11	6	2							125
28.75								10	24	31	34	31	20	2	2	2							156
27.75				1		3	10	33	70	64	77	33	15	2	1								309
26.75				1	1	10	44	59	89	71	40	17	2										334
25.75			1	3	10	37	65	90	70	36	16	3											331
24.75			1	16	26	68	65	50	19	7	1												253
23.75		1	3	15	53	41	35	19	4														171
22.75		2	7	15	17	15	3	1															60
21.75		2	7	1	4	1	1																16
20.75	1	2	1																				4
TOTALS	1	7	20	52	111	176	224	263	292	238	214	123	98	38	24	11	4	2	3	1	2	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-BICEPS C,FLEXED, R	26.79	2.32	1.400X - 6.073	1.28	0.834
X-FOREARM C, RELAXED	23.48	1.38	0.496Y + 10.187	0.76	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
BICEPS CIRCUMFERENCE, FLEXED, RIGHT AND FOREARM CIRCUMFERENCE, FLEXED

FOREARM CIRCUMFERENCE, FLEXED

BICEPS CIRCUMFERENCE, FLEXED, RIGHT	20 .75	21 .75	22 .75	23 .75	24 .75	25 .75	26 .75	27 .75	28 .75	29 .75	30 .75	31 .75	32 .75	TOTALS
38.75													1	1
37.75														0
36.75										1	3			4
35.75							1			1				2
34.75									1		2			3
33.75							3	2	3	1				9
32.75						2	3	3	3	1				12
31.75						4	10	12	4	2				32
30.75					5	17	33	22	5	1				83
29.75				1	11	41	43	23	6					125
28.75				3	23	71	44	13	2					156
27.75		1		20	105	102	71	10						309
26.75		1	3	63	138	98	29	2						334
25.75		1	30	103	132	54	11							331
24.75	1	3	54	123	59	12	1							253
23.75		14	61	75	19	2								171
22.75	1	17	28	13	1									60
21.75	2	9	4	1										16
20.75	2	2												4
TOTALS	6	48	180	402	493	403	249	87	24	7	5	0	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-BICEPS C,FLEXED, R	26.79	2.32	1.239X - 4.150	1.35	0.813
X-FOREARM C, FLEXED	24.98	1.52	0.534Y + 10.667	0.89	

A BIVARIATE FREQUENCY TABLE FOR
BICEPS CIRCUMFERENCE, RELAXED, LEFT AND BICEPS CIRCUMFERENCE, FLEXED, LEFT

BICEPS CIRCUMFERENCE, FLEXED, LEFT

BICEPS CIRCUMFERENCE, RELAXED, LEFT	20 .75	21 .75	22 .75	23 .75	24 .75	25 .75	26 .75	27 .75	28 .75	29 .75	30 .75	31 .75	32 .75	33 .75	34 .75	35 .75	36 .75	37 .75	38 .75	TOTALS
37.75																			1	1
36.75																	2			2
35.75																1				1
34.75															2	1				3
33.75														2	2	1	1			6
32.75													7	2						9
31.75											1	5	14	1						21
30.75											13	13	5	1						32
29.75										35	32	7								74
28.75								1	29	51	7									88
27.75							3	69	90	23	1									186
26.75						1	91	147	28	2										269
25.75					2	100	184	37	4											327
24.75				1	71	196	53													321
23.75				49	169	54	2													274
22.75		1	29	108	35															173
21.75		9	55	22	1															87
20.75	6	12	6																	24
19.75	5	2																		7
TOTALS	11	24	90	180	278	351	333	254	151	111	54	25	26	6	4	3	3	0	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-BICEPS C,RELAXED,L	25.66	2.41	0.986X - 0.504	0.53	0.975
X-BICEPS C,FLEXED, L	26.54	2.38	0.964Y + 1.800	0.53	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
ELBOW CIRCUMFERENCE, FLEXED AND FOREARM CIRCUMFERENCE, RELAXED

FOREARM CIRCUMFERENCE, RELAXED

ELBOW CIRCUMFERENCE, FLEXED	19 .50	20 .00	20 .50	21 .00	21 .50	22 .00	22 .50	23 .00	23 .50	24 .00	24 .50	25 .00	25 .50	26 .00	26 .50	27 .00	27 .50	28 .00	28 .50	29 .00	29 .50	30 .00	TOT ALS
35.75																						1	1
34.75																							0
33.75																	1						1
32.75															1					1			2
31.75									1	2	3	4	3	1	1	2			2		1		20
30.75							2		4	7	12	5	4	3	2	2		1	1		1		44
29.75							6	8	19	19	19	19	15	8	7	3	1	1					125
28.75				1	3	7	10	22	28	35	48	30	34	17	10	2	2						249
27.75			1	3	7	18	25	38	58	73	48	39	29	7	3	2							351
26.75			3	8	15	33	59	80	87	54	61	21	11	2									434
25.75		1	3	10	29	45	65	70	70	42	17	5	2										359
24.75			4	18	31	52	43	35	21	5	6												215
23.75		2	2	7	19	17	13	9	4	1													74
22.75		3	6	5	6	4	1	1															26
21.75	1	1	1		1																		4
TOTALS	1	7	20	52	111	176	224	263	292	238	214	123	98	38	24	11	4	2	3	1	2	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-ELBOW CIRC, FLEXED	26.98	1.78	0.831X + 7.468	1.37	0.643
X-FOREARM C, RELAXED	23.48	1.38	0.497Y + 10.069	1.06	

A BIVARIATE FREQUENCY TABLE FOR
ELBOW CIRCUMFERENCE, FLEXED AND FOREARM CIRCUMFERENCE, FLEXED

FOREARM CIRCUMFERENCE, FLEXED

ELBOW CIRCUMFERENCE, FLEXED	20 .75	21 .75	22 .75	23 .75	24 .75	25 .75	26 .75	27 .75	28 .75	29 .75	30 .75	31 .75	32 .75	TOT ALS
35.75													1	1
34.75														0
33.75										1				1
32.75										1	1			2
31.75						4	2	7	4		3			20
30.75					2	9	18	7	4	3	1			44
29.75				1	13	38	42	20	9	2				125
28.75				12	47	65	80	39	6					249
27.75		1	5	43	83	131	75	12	1					351
26.75		7	17	89	178	110	31	2						434
25.75		3	61	120	133	41	1							359
24.75		11	58	108	33	5								215
23.75	2	11	31	26	4									74
22.75	1	15	7	3										26
21.75	3		1											4
TOTALS	6	48	180	402	493	403	249	87	24	7	5	0	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-ELBOW CIRC, FLEXED	26.98	1.78	0.884X + 4.898	1.17	0.754
X-FOREARM C, FLEXED	24.98	1.52	0.643Y + 7.629	1.00	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
ELBOW CIRCUMFERENCE, FLEXED AND WRIST CIRCUMFERENCE

WRIST CIRCUMFERENCE

ELBOW CIRCUMFERENCE, FLEXED	12.50	13.00	13.50	14.00	14.50	15.00	15.50	16.00	16.50	17.00	17.50	TOTALS
35.75											1	1
34.75												0
33.75										1		1
32.75								1			1	2
31.75				1	1	4	3	4	5	1	1	20
30.75				1	1	9	16	9	3	5		44
29.75				2	10	29	42	22	14	4	2	125
28.75		1	1	14	23	65	77	41	24	3		249
27.75			4	23	68	98	102	43	12	1		351
26.75			11	37	118	150	97	19	1	1		434
25.75			14	71	114	101	50	8	1			359
24.75		1	12	68	70	50	12	2				215
23.75	1		10	30	21	10	2					74
22.75			9	8	5	4						26
21.75		1	1	1	1							4
TOTALS	1	3	62	256	432	520	401	149	60	16	5	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-ELBOW CIRC, FLEXED	26.98	1.78	1.402X	+ 5.999	1.48	0.560
X-WRIST CIRCUMFERNCE	14.96	0.71	0.223Y	+ 8.947	0.59	

A BIVARIATE FREQUENCY TABLE FOR
FOREARM CIRCUMFERENCE, RELAXED AND FOREARM CIRCUMFERENCE, FLEXED

FOREARM CIRCUMFERENCE, FLEXED

FOREARM CIRCUMFERENCE, RELAXED	20.75	21.75	22.75	23.75	24.75	25.75	26.75	27.75	28.75	29.75	30.75	31.75	32.75	TOTALS
30.00													1	1
29.50										1	1			2
29.00											1			1
28.50											3			3
28.00										2				2
27.50									3	1				4
27.00								2	9					11
26.50							3	12	7	2				24
26.00						1	14	20	2	1				38
25.50						7	55	33	3					98
25.00					2	35	71	15						123
24.50					18	123	70	3						214
24.00				2	87	118	29	2						238
23.50				27	167	91	7							292
23.00			3	86	150	24								263
22.50			18	145	57	4								224
22.00			52	102	12									176
21.50		13	71	27										111
21.00		17	22	13										52
20.50	2	14	4											20
20.00	3	4												7
19.50	1													1
TOTALS	6	48	180	402	493	403	249	87	24	7	5	0	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-FOREARM C, RELAXED	23.48	1.38	0.844X	+ 2.397	0.51	0.930
X-FOREARM C, FLEXED	24.98	1.52	1.025Y	+ 0.912	0.56	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
FOREARM CIRCUMFERENCE, RELAXED AND WRIST CIRCUMFERENCE

WRIST CIRCUMFERENCE

FOREARM CIRCUMFERENCE, RELAXED	12 .50	13 .00	13 .50	14 .00	14 .50	15 .00	15 .50	16 .00	16 .50	17 .00	17 .50	TOT ALS
30.00											1	1
29.50									1		1	2
29.00											1	1
28.50									2	1		3
28.00								1		1		2
27.50							1		2	1		4
27.00						1	1	1	5	2	1	11
26.50					1		8	6	6	3		24
26.00						1	14	11	10	2		38
25.50				3	3	14	44	21	11	1	1	98
25.00				2	7	35	49	21	8	1		123
24.50				8	15	59	81	41	7	3		214
24.00			1	5	43	79	80	25	5			238
23.50			4	21	74	114	63	14	1	1		292
23.00			6	28	86	108	28	5	2			263
22.50			6	46	85	63	21	3				224
22.00		1	9	62	62	33	9					176
21.50		1	15	46	35	12	2					111
21.00			12	23	16	1						52
20.50			5	11	4							20
20.00	1	1	3	1	1							7
19.50			1									1
TOTALS	1	3	62	256	432	520	401	149	60	16	5	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-FOREARM C, RELAXED	23.48	1.38	1.361X	+	3.112	0.98	0.702
X-WRIST CIRCUMFERNCE	14.96	0.71	0.363Y	+	6.441	0.51	

A BIVARIATE FREQUENCY TABLE FOR
FOREARM CIRCUMFERENCE, FLEXED AND WRIST CIRCUMFERENCE

WRIST CIRCUMFERENCE

FOREARM CIRCUMFERENCE, FLEXED	12 .50	13 .00	13 .50	14 .00	14 .50	15 .00	15 .50	16 .00	16 .50	17 .00	17 .50	TOT ALS
32.75											1	1
31.75												0
30.75									2	1	2	5
29.75								4	1	2		7
28.75						3	5	1	10	4	1	24
27.75				1	2	9	38	19	14	4		87
26.75				7	13	55	97	59	15	2	1	249
25.75				12	56	143	128	45	16	3		403
24.75			6	43	144	181	100	18	1			493
23.75		2	23	100	139	108	26	3	1			402
22.75			17	72	64	20	7					180
21.75			14	20	13	1						48
20.75	1	1	2	1	1							6
TOTALS	1	3	62	256	432	520	401	149	60	16	5	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-FOREARM C, FLEXED	24.98	1.52	1.458X	+	3.160	1.11	0.683
X-WRIST CIRCUMFERNCE	14.96	0.71	0.320Y	+	6.970	0.52	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
WRIST CIRCUMFERENCE AND HAND CIRCUMFERENCE

HAND CIRCUMFERENCE

WRIST CIRCUMFERENCE	15 .00	15 .50	16 .00	16 .50	17 .00	17 .50	18 .00	18 .50	19 .00	19 .50	20 .00	20 .50	21 .00	21 .50	TOT ALS
17.50									1		1	3			5
17.00									1	1	5	6	2	1	16
16.50							3	7	9	18	13	7	2	1	60
16.00					1		14	25	43	37	21	4	4		149
15.50					2	20	67	116	106	61	23	6			401
15.00				5	18	61	137	152	94	44	8	1			520
14.50		1	1	13	40	117	122	101	26	11					432
14.00		1	2	32	67	70	61	19	3	1					256
13.50			3	16	25	10	6	2							62
13.00	1			2											3
12.50			1												1
TOTALS	1	2	7	68	153	278	410	422	283	173	71	27	8	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-WRIST CIRCUMFERNCE	14.96	0.71	0.554X	+	4.814	0.50	0.706
X-HAND CIRCUMFERENCE	18.32	0.91	0.900Y	+	4.852	0.64	

A BIVARIATE FREQUENCY TABLE FOR
BIACROMIAL BREADTH AND BIDELTOID BREADTH

BIDELTOID BREADTH

BIACROMIAL BREADTH	34 .75	35 .75	36 .75	37 .75	38 .75	39 .75	40 .75	41 .75	42 .75	43 .75	44 .75	45 .75	46 .75	47 .75	48 .75	49 .75	TOT ALS
41.50											1					1	2
41.00										1		1	1			1	4
40.50									1			3		1			5
40.00										2	3	1	1	2			9
39.50									3	6	2	5		2	2		20
39.00								2	8	7	5	10	4		1	1	38
38.50						1	2	11	5	12	12	7	4	4	1	1	60
38.00					1	1	5	12	19	19	9	11	4		1		82
37.50					1	3	24	14	22	25	17	12	8	2	1		129
37.00					1	7	21	29	40	32	22	13	4	2		1	172
36.50				2	3	15	38	64	46	28	17	8	4	1	2		228
36.00			1	1	11	27	53	40	54	28	15	8	3	1	2		244
35.50				5	16	32	50	55	29	19	13	2	1	1			223
35.00		2	2	7	18	46	52	38	27	12	5	2	1				212
34.50			4	8	14	27	36	36	16	10	6	2	1				160
34.00	1		6	8	22	30	30	23	6	5	3						134
33.50		3	4	8	18	20	11	10	8	1		1					84
33.00			2	12	8	7	7	7	2								45
32.50		1	5	3	7	7	2	1	1	1							28
32.00			1	2	1	4	1	1									10
31.50		1	2	3	1	2	1	1									11
31.00		1	2	1			1										5
TOTALS	1	8	29	60	122	229	334	344	287	208	130	86	36	16	10	5	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-BIACROMIAL BREADTH	35.84	1.64	0.428X	+	17.921	1.31	0.605
X-BIDELTOID BREADTH	41.87	2.31	0.853Y	+	11.299	1.84	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
BIACROMIAL BREADTH AND CHEST BREADTH

CHEST BREADTH

BIACROMIAL BREADTH	22 .75	23 .75	24 .75	25 .75	26 .75	27 .75	28 .75	29 .75	30 .75	31 .75	32 .75	33 .75	34 .75	35 .75	TOT ALS
41.50									1	1					2
41.00								1	1		1		1		4
40.50								2		2		1			5
40.00							2	2	3	1	1				9
39.50						2	5	3	6	1	2	1			20
39.00				1	3	6	7	8	7	5	1				38
38.50				3	6	4	12	15	2	12		4	1	1	60
38.00			1	2	15	16	17	11	12	4	4				82
37.50			4	8	13	22	32	22	15	6	6	1			129
37.00			2	6	22	26	45	27	26	12	3	2	1		172
36.50			5	20	36	61	40	38	13	10	4		1		228
36.00		2	2	31	41	66	54	19	16	9		2	2		244
35.50		3	9	26	59	66	33	18	4	5					223
35.00		2	15	34	50	51	41	13	3	3					212
34.50		2	14	28	39	28	32	10	4	2	1				160
34.00	1	5	11	23	42	28	12	5	5	2					134
33.50		6	6	19	23	13	10	4	3						84
33.00		1	5	11	15	3	9	1							45
32.50	2	2	4	6	5	7	1	1							28
32.00			2	2	4	1	1								10
31.50			1	2	4	2	2								11
31.00		1	2		1	1									5
TOTALS	3	24	83	222	378	403	355	200	121	75	23	11	6	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-BIACROMIAL BREADTH	35.84	1.64	0.395X	+	24.785	1.45	0.461
X-CHEST BREADTH	27.99	1.91	0.538Y	+	8.711	1.70	

A BIVARIATE FREQUENCY TABLE FOR
BIACROMIAL BREADTH AND BUSTPOINT-TO-BUSTPOINT BREADTH

BUSTPOINT-TO-BUSTPOINT BREADTH

BIACROMIAL BREADTH	13 .00	13 .50	14 .00	14 .50	15 .00	15 .50	16 .00	16 .50	17 .00	17 .50	18 .00	18 .50	19 .00	19 .50	20 .00	20 .50	21 .00	21 .50	22 .00	22 .50	23 .00	23 .50	24 .00	24 .50	TOT ALS
41.50										1									1						2
41.00															2		2								4
40.50											1			1	1		1	1							5
40.00										1		3	1	1	1	1					1				9
39.50									1		2	2	3	3	1	2	1	1	2	1				1	20
39.00								1	4	2	3	7	1	5	5	3	2	3	1	1					38
38.50								2	2	4	7	12	9	5	3	5	4	4	1			1		1	60
38.00						1		3	4	8	16	8	5	12	8		11	3	1	2					82
37.50			1	1		3	4	4	8	13	10	17	18	18	14	5	4	5	2		1		1		129
37.00			2			2	1	5	9	13	19	23	23	28	14	15	10	2	3		2	1			172
36.50	1				2	2	5	12	20	25	28	35	32	21	16	12	7	4	1	2	2	1			228
36.00				3	2	5	5	8	22	26	36	34	40	17	19	11	6	7	1	1	1				244
35.50			1		4	5	5	14	25	25	26	28	27	29	13	10	4	3	2	2					223
35.00					1	7	8	21	25	21	32	27	21	16	11	10	7	4		1					212
34.50			1			4	8	5	22	19	23	24	16	15	9	7	4		1	2					160
34.00						4	5	9	16	24	16	18	10	10	8	6	5	1	2						134
33.50			1		2	3	4	5	6	14	9	10	12	7	5	2	2		1	1					84
33.00						3	3	3	6	6	5	7	6	2	1	2					1				45
32.50		1				1	1	2	2	7	3	5	1	2	2	1									28
32.00									2	3	1	1	2					1							10
31.50								2	1	2	2	1	2			1									11
31.00					1				1		1	2													5
TOTALS	1	1	6	4	12	40	49	96	176	214	240	264	229	192	133	93	70	39	19	13	8	3	1	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-BIACROMIAL BREADTH	35.84	1.64	0.255X	+	31.118	1.59	0.241
X-BUSTPT-BUSTPT BR	18.53	1.55	0.227Y	+	10.395	1.50	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
BIACROMIAL BREADTH AND WAIST BREADTH

WAIST BREADTH

BIACROMIAL BREADTH	18 .75	19 .75	20 .75	21 .75	22 .75	23 .75	24 .75	25 .75	26 .75	27 .75	28 .75	29 .75	30 .75	31 .75	32 .75	TOT ALS
41.50							1				1					2
41.00							1	1	1		1					4
40.50							1	1	1	1	1					5
40.00								1	4	2	1				1	9
39.50				1	1	2	3	6	2	1	3		1			20
39.00						3	13	9	3	6	2		2			38
38.50				3	4	10	12	11	12	3		2	1	1	1	60
38.00			1	2	13	12	12	23	9	9	1					82
37.50			2	5	13	26	31	23	18	8	2	1				129
37.00			5	8	16	40	37	25	17	10	10	4				172
36.50			10	18	29	57	53	28	17	10	4	1	1			228
36.00		1	12	21	46	67	45	27	11	8	3	2	1			244
35.50		1	11	23	46	67	39	16	13	5	2					223
35.00	1	2	17	28	42	58	32	19	6	3	3	1				212
34.50		2	11	21	35	43	24	11	6	6	1					160
34.00		3	14	26	28	29	14	14	6							134
33.50	1	1	5	8	29	22	10	7			1					84
33.00			6	7	15	10	3	1	3							45
32.50		2	3	7	9	5	1			1						28
32.00			1	2	4	3										10
31.50			1	1	4	2	2	1								11
31.00				2		2	1									5
TOTALS	2	12	99	183	334	458	335	224	129	73	36	11	6	1	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-BIACROMIAL BREADTH	35.84	1.64	0.340X + 27.640	1.50	0.401
X-WAIST BREADTH	24.13	1.94	0.474Y + 7.138	1.77	

A BIVARIATE FREQUENCY TABLE FOR
BIACROMIAL BREADTH AND HIP BREADTH

HIP BREADTH

BIACROMIAL BREADTH	28 .75	29 .75	30 .75	31 .75	32 .75	33 .75	34 .75	35 .75	36 .75	37 .75	38 .75	39 .75	40 .75	41 .75	42 .75	43 .75	TOT ALS
41.50											1		1				2
41.00									1		1		2				4
40.50		1			1			1	2								5
40.00						2	1		3	1			2				9
39.50						4	3	4	2	1	1	3	2				20
39.00				1	1	5	5	5	6	5	6	2	1		1		38
38.50			1	2	2	6	8	11	10	6	6	6	1	1			60
38.00			1	2	3	13	21	16	12	6	5	2	1				82
37.50			1	6	11	15	24	20	23	15	8	1	2	1	1	1	129
37.00			1	5	20	19	26	38	27	13	13	7	2		1		172
36.50		1	1	13	18	25	40	57	32	18	10	10	1		1	1	228
36.00		1	5	12	37	38	49	41	26	18	4	7	6				244
35.50	1		3	12	35	42	50	40	18	13	4	3	2				223
35.00	3	1	8	18	30	44	45	27	15	14	5	1	1				212
34.50		1	4	16	28	24	31	27	19	6	4						160
34.00		5	7	12	20	27	31	18	9	3	2						134
33.50		1	6	9	12	20	20	10	3	2				1			84
33.00		1	3	8	10	8	5	7	1	1	1						45
32.50		1	3	3	8	6	6				1						28
32.00			1	1	1	2	3	1	1								10
31.50		1	1	1	2	2	1	2		1							11
31.00			1	1	1	1	1										5
TOTALS	4	14	47	122	240	303	370	325	210	123	72	42	24	3	4	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-BIACROMIAL BREADTH	35.84	1.64	0.267X + 26.507	1.53	0.361
X-HIP BREADTH	34.97	2.22	0.486Y + 17.477	2.07	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
BIACROMIAL BREADTH AND THIGH-TO-THIGH BREADTH, SITTING

THIGH-TO-THIGH BREADTH, SITTING

BIACROMIAL BREADTH	28 .75	29 .75	30 .75	31 .75	32 .75	33 .75	34 .75	35 .75	36 .75	37 .75	38 .75	39 .75	40 .75	41 .75	42 .75	43 .75	44 .75	45 .75	46 .75	47 .75	48 .75	49 .75	TOT ALS
41.50															1	1							2
41.00												1	1						1	1			4
40.50						1				1		1	1	1									5
40.00										2		2	1	2	1	1							9
39.50							3		2	2	3	3	1	1		1	1	2	1				20
39.00						1	1	1	6	4	3	4	7	3	1	4		2		1			38
38.50						1	6	1	2	6	6	16	3	3	4	4	4	3	1				60
38.00				1		1	3	4	9	21	16	7	7	6	6		1						82
37.50				1	2	3	6	10	18	20	13	11	18	11	5	5	3		1	1	1		129
37.00				1		4	10	11	21	21	20	24	21	18	8	6	2	4			1		172
36.50				2	3	2	17	16	31	29	38	32	25	13	10	4	3	2				1	228
36.00					2	11	19	23	33	41	28	29	26	8	9	6	5	2	2				244
35.50				1	2	9	18	31	34	40	28	21	20	8	5	2	3	1					223
35.00	1			3	5	10	24	34	29	31	19	28	9	10	4	4		1					212
34.50			1		2	12	13	23	22	17	22	19	13	7	3	4	2						160
34.00			2	2	6	3	21	11	29	17	16	10	10	5	2								134
33.50				4	2	5	9	10	13	18	11	6	4		1					1			84
33.00				2	2	6	8	7	5	3	7	1	2	1	1								45
32.50					1	1	4	8	6	4	2	1					1						28
32.00					1	1	2	1	1	2		1	1										10
31.50				1	1	1	2	1		2	1	1			1								11
31.00					1		1	1		1		1											5
TOTALS	1	0	3	18	30	72	167	193	261	282	233	219	170	97	62	42	25	17	6	4	2	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-BIACROMIAL BREADTH	35.84	1.64	0.179X + 29.007	1.56	0.312
X-THIGH-THIGH BR,SIT	38.19	2.86	0.544Y + 18.691	2.72	

A BIVARIATE FREQUENCY TABLE FOR
BIACROMIAL BREADTH AND SHOULDER LENGTH

SHOULDER LENGTH

BIACROMIAL BREADTH	11 .50	12 .00	12 .50	13 .00	13 .50	14 .00	14 .50	15 .00	15 .50	16 .00	16 .50	17 .00	17 .50	18 .00	18 .50	19 .00	TOT ALS
41.50														1		1	2
41.00						2						1		1			4
40.50								1			2	1	1				5
40.00								1	2	2	4						9
39.50								1	3	8	7	1					20
39.00							3	2	9	10	8	5	1				38
38.50						1	8	12	14	14	7	4					60
38.00					1	4	8	13	27	19	9	1					82
37.50		1	1	1		14	17	25	31	18	13	8					129
37.00				1	4	26	24	46	44	15	7	2	3				172
36.50				2	9	33	60	54	44	17	2	5	2				228
36.00			1	7	12	50	69	41	37	16	7	2	1	1			244
35.50			2	8	21	51	49	50	24	14	3	1					223
35.00		1	5	17	41	52	53	25	14	2	2						212
34.50		1	4	17	30	51	33	12	8	3				1			160
34.00		4	9	13	30	37	24	12	2	2	1						134
33.50		2	5	17	18	15	13	9		5							84
33.00		1	4	15	9	9	5	2									45
32.50		2	4	7	4	5	4	1	1								28
32.00		1	2	3	2	1		1									10
31.50	1			2	5	2		1									11
31.00			1			3				1							5
TOTALS	1	13	38	110	186	356	370	309	260	146	72	31	8	4	0	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-BIACROMIAL BREADTH	35.84	1.64	0.992X + 21.300	1.29	0.618
X-SHOULDER LENGTH	14.66	1.02	0.385Y + 0.861	0.80	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
BIDELTOID BREADTH AND CHEST BREADTH

CHEST BREADTH

BIDELTOID BREADTH	22 .75	23 .75	24 .75	25 .75	26 .75	27 .75	28 .75	29 .75	30 .75	31 .75	32 .75	33 .75	34 .75	35 .75	TOT ALS
49.75										1	3	1			5
48.75							1		1	2	2		3	1	10
47.75								1	3	6	1	5			16
46.75						1	3	5	5	16	4	1	1		36
45.75						3	13	20	22	18	5	3	2		86
44.75					4	14	31	29	34	13	4	1			130
43.75				5	15	39	64	52	23	8	2				208
42.75				12	38	91	77	41	20	7	1				287
41.75				27	90	104	75	33	10	4	1				344
40.75		1	19	48	109	85	57	13	2						334
39.75		5	15	66	66	45	27	4	1						229
38.75	1	6	19	35	38	16	5	2							122
37.75		5	20	21	10	3	1								60
36.75	2	3	8	7	7	1	1								29
35.75		3	2	1	1	1									8
34.75		1													1
TOTALS	3	24	83	222	378	403	355	200	121	75	23	11	6	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-BIDELTOID BREADTH	41.87	2.31	0.894X	+	16.846	1.56	0.740
X-CHEST BREADTH	27.99	1.91	0.612Y	+	2.368	1.29	

A BIVARIATE FREQUENCY TABLE FOR
BIDELTOID BREADTH AND BUSTPOINT-TO-BUSTPOINT BREADTH

BUSTPOINT-TO-BUSTPOINT BREADTH

BIDELTOID BREADTH	13 .00	13 .50	14 .00	14 .50	15 .00	15 .50	16 .00	16 .50	17 .00	17 .50	18 .00	18 .50	19 .00	19 .50	20 .00	20 .50	21 .00	21 .50	22 .00	22 .50	23 .00	23 .50	24 .00	24 .50	TOT ALS
49.75														1			1		1		1	1			5
48.75															3	1	4	1		1					10
47.75												1		2	3	3	1	3	1		1			1	16
46.75										1	2	2	2	5	5	4	6	3	5		1				36
45.75									1		2	9	14	14	9	17	7	7	1		2	1	1	1	86
44.75								1	1	4	9	10	15	16	20	20	11	12	7	4					130
43.75							1	1	8	10	12	23	32	24	29	24	17	12	7	2	3	2	1		208
42.75	1		1	1	1		4	12	19	27	45	50	40	32	20	14	6	6	6	1	1				287
41.75					2	7	4	17	26	40	45	57	52	35	25	13	13	4	1	3					344
40.75			1	2	3	6	10	16	47	50	56	47	36	30	14	9	6		1						334
39.75					2	10	13	15	34	41	30	28	29	15	7	2	2	1							229
38.75		1	2	1	2	6	8	17	19	18	12	16	12	5	1				1	1					122
37.75			2		1	6	3	5	8	11	8	6	4	2	2	2									60
36.75						3	4	2	5	5	7	1		2											29
35.75					1	1	1	2	3																8
34.75								1																	1
TOTALS	1	1	6	4	12	41	49	96	176	214	243	264	229	192	133	93	70	39	19	13	8	3	1	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-BIDELTOID BREADTH	41.87	2.31	0.763X	+	27.734	1.99	0.511
X-BUSTPT-BUSTPT BR	18.53	1.55	0.342Y	+	4.211	1.33	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
BIDELTOID BREADTH AND WAIST BREADTH

WAIST BREADTH

BIDELTOID BREADTH	18 .75	19 .75	20 .75	21 .75	22 .75	23 .75	24 .75	25 .75	26 .75	27 .75	28 .75	29 .75	30 .75	31 .75	32 .75	TOT ALS
49.75											3		1		1	5
48.75								1	2	1	1	2	3			10
47.75								1	3	2	5	2	1	1	1	16
46.75							1	8	7	13	5	2				36
45.75					1	6	10	23	23	16	5	1	1			86
44.75					3	16	25	31	28	14	11	2				130
43.75				3	16	35	61	52	24	13	3	1				208
42.75			2	12	37	80	78	42	25	9	1	1				287
41.75		1	9	24	61	123	70	36	14	4	2					344
40.75		1	21	44	81	102	59	22	3	1						334
39.75		5	29	47	64	59	19	6								229
38.75		4	19	24	45	23	6	1								122
37.75	1		12	16	21	5	5									60
36.75			6	11	4	6	1	1								29
35.75	1	1	1	1	1	3										8
34.75				1												1
TOTALS	2	12	99	183	334	458	335	224	129	73	36	11	6	1	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-BIDELTOID BREADTH	41.87	2.31	0.828X	+	21.896	1.67	0.692
X-WAIST BREADTH	24.13	1.94	0.579Y	-	0.117	1.40	

A BIVARIATE FREQUENCY TABLE FOR
BIDELTOID BREADTH AND HIP BREADTH

HIP BREADTH

BIDELTOID BREADTH	28 .75	29 .75	30 .75	31 .75	32 .75	33 .75	34 .75	35 .75	36 .75	37 .75	38 .75	39 .75	40 .75	41 .75	42 .75	43 .75	TOT ALS
49.75											2	2	1				5
48.75									1	1	1	3	2		1	1	10
47.75					1			2		2	3	2	6				16
46.75						3	1	5	7	9	3	3	4		1		36
45.75		1		1	1	3	11	10	16	14	14	8	2	2	2	1	86
44.75					3	9	17	26	36	14	12	7	5	1			130
43.75		1	1	2	12	17	42	42	40	26	13	8	4				208
42.75		1	2	2	20	42	66	64	48	25	12	5					287
41.75			4	16	34	65	82	84	30	18	8	3					344
40.75			7	31	63	71	68	62	20	8	3	1					334
39.75		2	10	29	51	55	45	22	8	6	1						229
38.75	1	4	9	24	29	21	26	6	2								122
37.75	1	1	6	8	24	8	9	1	2								60
36.75	1	3	6	8	1	7	3										29
35.75	1	1	2	1		2		1									8
34.75					1												1
TOTALS	4	14	47	122	240	303	370	325	210	123	72	42	24	3	4	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-BIDELTOID BREADTH	41.87	2.31	0.648X	+	19.214	1.81	0.621
X-HIP BREADTH	34.97	2.22	0.594Y	+	10.096	1.74	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
BIDELTOID BREADTH AND THIGH-TO-THIGH BREADTH, SITTING

THIGH-TO-THIGH BREADTH, SITTING

BIDELTOID BREADTH	28 .75	29 .75	30 .75	31 .75	32 .75	33 .75	34 .75	35 .75	36 .75	37 .75	38 .75	39 .75	40 .75	41 .75	42 .75	43 .75	44 .75	45 .75	46 .75	47 .75	48 .75	49 .75	TOT ALS
49.75														1	1			1	1	1			5
48.75												1		1	2		1	1	2	1		1	10
47.75										1			1	2	3	4	2	3					16
46.75									1	3	1	4	5	5	5	6	3	1	1	1			36
45.75						1	1		4	5	9	12	14	12	9	8	3	4	1	1	2		86
44.75							1	3	7	17	16	29	13	13	12	7	7	5					130
43.75					1		11	10	15	27	29	35	37	17	12	7	5	1	1				208
42.75					1	4	13	13	35	60	40	42	42	23	7	4	3						287
41.75				2		5	21	30	63	66	52	44	35	16	6	3	1						344
40.75				2	3	16	39	59	60	45	50	31	15	7	4	2		1					334
39.75				4	6	18	34	47	40	35	23	13	7		1	1							229
38.75			1	2	11	17	23	16	26	14	6	5	1										122
37.75				2	4	9	17	8	5	7	6	2											60
36.75			2	4	4	2	5	6	3	2	1												29
35.75	1			2			2	1	1			1											8
34.75									1														1
TOTALS	1	0	3	18	30	72	167	193	261	282	233	219	170	97	62	42	25	17	6	4	2	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-BIDELTOID BREADTH	41.87	2.31	0.506X	+ 22.550	1.80	0.626
X-THIGH-THIGH BR,SIT	38.19	2.86	0.773Y	+ 5.621	2.23	

A BIVARIATE FREQUENCY TABLE FOR
CHEST BREADTH AND BUSTPOINT-TO-BUSTPOINT BREADTH

BUSTPOINT-TO-BUSTPOINT BREADTH

CHEST BREADTH	13 .00	13 .50	14 .00	14 .50	15 .00	15 .50	16 .00	16 .50	17 .00	17 .50	18 .00	18 .50	19 .00	19 .50	20 .00	20 .50	21 .00	21 .50	22 .00	22 .50	23 .00	23 .50	24 .00	24 .50	TOT ALS
35.75																	1								1
34.75															2	1	2					1			6
33.75															1	3	1	2	1			1		2	11
32.75										1				6	1		4	2	1	3	4		1		23
31.75							1	1	1		1	9	8	14	11	9	9	7	4						75
30.75								1	2	6	6	11	18	14	17	17	13	7	4	3	2				121
29.75							1	5	10	11	32	31	30	23	18	16	12	7	2	2					200
28.75				1	1	2	7	14	36	27	39	60	45	46	34	19	8	9	2	3	1	1			355
27.75	1		1	1	3	4	10	24	27	49	64	69	51	42	26	14	8	5	3	1					403
26.75			4	1	4	14	11	23	48	56	48	51	49	33	13	9	10		2	1	1				378
25.75				1	1	14	9	17	31	43	33	25	24	9	9	4	2								222
24.75			1		2	4	5	7	15	17	15	7	3	5	1	1									83
23.75		1			1	2	4	3	5	4	2	1	1												24
22.75							1	1	1																3
TOTALS	1	1	6	4	12	40	49	96	176	214	240	264	229	192	133	93	70	39	19	13	8	3	1	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-CHEST BREADTH	27.99	1.91	0.612X	+ 16.653	1.66	0.495
X-BUSTPT-BUSTPT BR	18.53	1.55	0.400Y	+ 7.334	1.34	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
CHEST BREADTH AND WAIST BREADTH

WAIST BREADTH

CHEST BREADTH	18 .75	19 .75	20 .75	21 .75	22 .75	23 .75	24 .75	25 .75	26 .75	27 .75	28 .75	29 .75	30 .75	31 .75	32 .75	TOTALS
35.75													1			1
34.75								1	1	1	1	2				6
33.75									3	1	3	2		1	1	11
32.75						1	1	3	4	7	4		2		1	23
31.75					3	5	3	14	23	15	10	2				75
30.75				2	7	17	17	29	18	18	8	2	3			121
29.75			1	3	8	46	54	49	26	9	2	2				200
28.75		1	12	30	42	82	92	45	29	14	7	1				355
27.75		4	12	30	77	123	82	51	19	4	1					403
26.75	1	2	28	43	100	114	60	21	5	4						378
25.75		2	26	42	68	52	21	10	1							222
24.75		1	18	19	26	13	5	1								83
23.75	1	1	2	12	3	5										24
22.75		1		2												3
TOTALS	2	12	99	183	334	458	335	224	129	73	36	11	6	1	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-CHEST BREADTH	27.99	1.91	0.610X + 13.277	1.51	0.617
X-WAIST BREADTH	24.13	1.94	0.624Y + 6.659	1.52	

A BIVARIATE FREQUENCY TABLE FOR
CHEST BREADTH AND HIP BREADTH

HIP BREADTH

CHEST BREADTH	28 .75	29 .75	30 .75	31 .75	32 .75	33 .75	34 .75	35 .75	36 .75	37 .75	38 .75	39 .75	40 .75	41 .75	42 .75	43 .75	TOTALS
35.75												1					1
34.75								1		1		1	2			1	6
33.75					1		1	3		3	1	1	1				11
32.75						1	3	1	3	4	2	4	3		1	1	23
31.75					2	3	8	13	9	17	10	7	4	1	1		75
30.75		1			2	14	25	15	24	11	14	6	6	1	2		121
29.75		1		1	9	20	37	39	39	22	16	9	6	1			200
28.75		1	4	12	31	60	76	67	54	26	15	8	1				355
27.75		1	11	29	49	70	92	80	38	21	9	2	1				403
26.75	1	4	10	29	58	86	70	73	30	12	3	2					378
25.75		3	13	25	55	37	44	29	9	4	2	1					222
24.75	3		7	20	26	10	11	3	2	1							83
23.75		2	2	5	7	2	2	1	2	1							24
22.75		1		1			1										3
TOTALS	4	14	47	122	240	303	370	325	210	123	72	42	24	3	4	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-CHEST BREADTH	27.99	1.91	0.442X + 12.539	1.64	0.512
X-HIP BREADTH	34.97	2.22	0.592Y + 18.396	1.90	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
CHEST BREADTH AND THIGH-TO-THIGH BREADTH, SITTING

THIGH-TO-THIGH BREADTH, SITTING

CHEST BREADTH	28 .75	29 .75	30 .75	31 .75	32 .75	33 .75	34 .75	35 .75	36 .75	37 .75	38 .75	39 .75	40 .75	41 .75	42 .75	43 .75	44 .75	45 .75	46 .75	47 .75	48 .75	49 .75	TOT ALS
35.75																	1						1
34.75									1						1	1			2			1	6
33.75										1		1	2	3		1	1	1	1				11
32.75										5		1	2	5	2	1	1	2	1	2	1		23
31.75									5	3	8	9	9	10	10	8	7	5			1		75
30.75					1		3	2	7	16	16	16	15	12	14	7	4	5	1	2			121
29.75						2	5	3	19	29	19	33	39	19	17	7	7		1				200
28.75				1		4	17	40	51	53	49	55	38	27	8	9	1	2					355
27.75				4	4	15	37	49	63	67	56	47	32	17	2	6	2	2					403
26.75			2	6	7	13	48	50	62	60	54	42	25	2	6	1							378
25.75				3	10	22	31	33	41	38	21	11	6	2	2	1	1						222
24.75	1		1	2	5	13	18	15	10	7	8	3											83
23.75				2	2	3	8		2	3	2		2										24
22.75					1			1				1											3
TOTALS	1	0	3	18	30	72	167	193	261	282	233	219	170	97	62	42	25	17	6	4	2	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-CHEST BREADTH	27.99	1.91	0.366X	+ 14.018	1.60	0.547
X-THIGH-THIGH BR,SIT	38.19	2.86	0.816Y	+ 15.346	2.39	

A BIVARIATE FREQUENCY TABLE FOR
BUSTPOINT-TO-BUSTPOINT BREADTH AND WAIST BREADTH

WAIST BREADTH

BUSTPOINT-TO-BUSTPOINT BREADTH	18 .75	19 .75	20 .75	21 .75	22 .75	23 .75	24 .75	25 .75	26 .75	27 .75	28 .75	29 .75	30 .75	31 .75	32 .75	TOT ALS
24.50									1		1					2
24.00									1							1
23.50										1	1				1	3
23.00						2		1		2	1		1		1	8
22.50						1	2	4	1	2	3					13
22.00							6	3	2	1	5	2				19
21.50					1	8	2	8	5	6	7	1		1		39
21.00			1	3	1	10	11	10	15	11	4	2	2			70
20.50			1	3	10	15	23	14	9	9	4	3	2			93
20.00			1	6	11	28	27	30	14	11	3	2				133
19.50		1	5	16	29	43	30	29	28	8	2		1			192
19.00		1	10	12	43	65	40	33	17	6	2					229
18.50		1	12	15	43	78	52	32	20	8	2	1				264
18.00			18	29	45	61	47	27	8	4	1					240
17.50		2	18	30	49	54	39	17	3	2						214
17.00	1	5	16	27	43	38	33	9	2	2						176
16.50		1	9	18	18	29	14	5	3							96
16.00	1		5	10	16	13	3	1								49
15.50		1	2	10	17	6	3	1								40
15.00			2	2	3	2	3									12
14.50				1	1	2										4
14.00				1	2	3										6
13.50					1											1
13.00					1											1
TOTALS	2	12	99	183	334	458	335	224	129	73	36	11	6	1	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-BUSTPT-BUSTPT BR	18.53	1.55	0.388X	+ 9.170	1.35	0.486
X-WAIST BREADTH	24.13	1.94	0.607Y	+ 12.879	1.69	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
BUSTPOINT-TO-BUSTPOINT BREADTH AND HIP BREADTH

HIP BREADTH

BUSTPOINT-TO-BUSTPOINT BREADTH	28 .75	29 .75	30 .75	31 .75	32 .75	33 .75	34 .75	35 .75	36 .75	37 .75	38 .75	39 .75	40 .75	41 .75	42 .75	43 .75	TOT ALS
24.50								1		1							2
24.00																1	1
23.50								1			1	1					3
23.00								1	2	1	1	2	1				8
22.50				1	1		2		4	2	2		1				13
22.00						1	7	5	1	2	1		2				19
21.50					2	3	11	5	6	4	5		2		1		39
21.00				1	4	6	19	10	7	8	3	6	4	1		1	70
20.50		1	2	2	5	9	13	13	13	16	7	6	3		3		93
20.00				3	6	16	27	24	24	9	15	6	3				133
19.50			5	4	21	25	34	43	24	18	10	4	3	1			192
19.00		1	2	9	29	46	50	41	31	9	4	6		1			229
18.50		1	5	14	25	50	46	53	36	16	11	6	1				264
18.00		3	8	18	30	42	57	46	16	8	5	4	3				240
17.50		1	7	23	39	44	31	34	19	10	4	1	1				214
17.00	3	3	6	16	37	27	28	29	11	13	3						176
16.50	1	2	6	11	15	18	20	9	10	4							96
16.00		2	2	11	9	5	11	3	6								49
15.50			3	7	8	7	8	5		2							40
15.00			1	1	2	3	5										12
14.50					2	1		1									4
14.00				1	4		1										6
13.50					1												1
13.00								1									1
TOTALS	4	14	47	122	240	303	370	325	210	123	72	42	24	3	4	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-BUSTPT-BUSTPT BR	18.53	1.55	0.263X + 9.335	1.43	0.376
X-HIP BREADTH	34.97	2.22	0.539Y + 24.980	2.05	

A BIVARIATE FREQUENCY TABLE FOR
BUSTPOINT-TO-BUSTPOINT BREADTH AND THIGH-TO-THIGH BREADTH, SITTING

THIGH-TO-THIGH BREADTH, SITTING

BUSTPOINT-TO-BUSTPOINT BREADTH	28 .75	29 .75	30 .75	31 .75	32 .75	33 .75	34 .75	35 .75	36 .75	37 .75	38 .75	39 .75	40 .75	41 .75	42 .75	43 .75	44 .75	45 .75	46 .75	47 .75	48 .75	49 .75	TOT ALS
24.50													1	1									2
24.00																					1		1
23.50									1							1			1				3
23.00												1	2	3		2							8
22.50								1		2		1	3	2	2		1		1				13
22.00									1	4	3	4	2	1	2			2					19
21.50									6	5	5	3	5	6	2	2	2	2		1			39
21.00						1	2	2	4	12	8	12	6	7	4	2	5	2	1	1		1	70
20.50					1		4	7	6	4	9	16	11	8	11	8	5	1		1	1		93
20.00						1	3	5	17	25	12	24	17	9	9	4	5	1	1				133
19.50				2		4	10	14	23	29	29	21	22	14	11	6	1	5	1				192
19.00					2	6	19	30	33	30	25	38	27	7	4	4	3			1			229
18.50			1	2	3	9	15	16	41	45	39	35	28	10	9	6	3	2					264
18.00				2	4	13	23	30	42	43	28	24	12	10	2	4		2	1				240
17.50				2	5	16	28	27	29	34	27	17	21	5	1	2							214
17.00	1		1	3	5	6	23	30	29	21	25	15	5	7	4	1							176
16.50				3	5	7	14	13	12	13	13	6	5	4	1								96
16.00			1	2		1	14	9	7	5	5	2	1	2									49
15.50				2	2	6	6	7	5	6	3		2	1									40
15.00					2		2	2	3	2	1												12
14.50							2		1	1													4
14.00					1	2	2		1														6
13.50										1													1
13.00											1												1
TOTALS	1	0	3	18	30	72	167	193	261	282	233	219	170	97	62	42	25	17	6	4	2	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-BUSTPT-BUSTPT BR	18.53	1.55	0.228X + 9.825	1.40	0.421
X-THIGH-THIGH BR,SIT	38.19	2.86	0.778Y + 23.772	2.59	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
WAIST BREADTH AND HIP BREADTH

HIP BREADTH

WAIST BREADTH	28 .75	29 .75	30 .75	31 .75	32 .75	33 .75	34 .75	35 .75	36 .75	37 .75	38 .75	39 .75	40 .75	41 .75	42 .75	43 .75	TOT ALS
32.75											1		1				2
31.75					1												1
30.75												4	1		1		6
29.75								3	1	1	2	1	2			1	11
28.75						1	5	8	6	3	4	2	5	1	1		36
27.75					2	3	8	7	17	14	13	8	1				73
26.75					4	11	17	22	32	16	8	9	6	2	1	1	129
25.75			3	1	4	19	44	46	42	33	19	7	5		1		224
24.75		1	5	7	33	49	71	72	52	23	13	6	3				335
23.75		3	11	21	55	91	106	97	38	23	8	5					458
22.75	1	2	8	36	65	77	77	41	17	8	2						334
21.75	1	4	8	29	47	33	30	26	3	1	1						183
20.75	1	3	10	26	26	16	10	3	2	1	1						99
19.75			2	2	3	3	2										12
18.75	1	1															2
TOTALS	4	14	47	122	240	303	370	325	210	123	72	42	24	3	4	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-WAIST BREADTH	24.13	1.94	0.503X	+	6.539	1.58	0.576
X-HIP BREADTH	34.97	2.22	0.659Y	+	19.068	1.81	

A BIVARIATE FREQUENCY TABLE FOR
WAIST BREADTH AND THIGH-TO-THIGH BREADTH, SITTING

THIGH-TO-THIGH BREADTH, SITTING

WAIST BREADTH	28 .75	29 .75	30 .75	31 .75	32 .75	33 .75	34 .75	35 .75	36 .75	37 .75	38 .75	39 .75	40 .75	41 .75	42 .75	43 .75	44 .75	45 .75	46 .75	47 .75	48 .75	49 .75	TOT ALS
32.75																1			1				2
31.75										1													1
30.75																2	1	2		1			6
29.75											1	1	1	1	1	2	1	1	1			1	11
28.75									4	3	1	3	2	11	4		1	3	1	2	1		36
27.75								1	1	8	6	12	14	6	10	7	7		1				73
26.75							2	1	6	17	8	22	25	18	11	7	5	5	1		1		129
25.75						2	5	11	19	31	33	34	27	29	16	7	4	4	1	1			224
24.75				1	1	4	24	24	42	65	58	46	32	14	10	9	3	2					335
23.75				5	7	9	33	50	71	87	66	58	44	14	6	6	2						458
22.75				5	6	19	47	54	69	47	38	25	17	3	2	1	1						334
21.75	1		1	4	4	18	36	31	31	19	15	14	7		2								183
20.75			2	2	10	20	19	17	14	4	7	2	1	1									99
19.75					1		1	4	4			2											12
18.75				1	1																		2
TOTALS	1	0	3	18	30	72	167	193	261	282	233	219	170	97	62	42	25	17	6	4	2	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-WAIST BREADTH	24.13	1.94	0.393X	+	9.120	1.58	0.580
X-THIGH-THIGH BR,SIT	38.19	2.86	0.857Y	+	17.512	2.33	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
WAIST BREADTH AND WAIST BREADTH, OVER FOUNDATION GARMENT

WAIST BREADTH, OVER FOUNDATION GARMENT

WAIST BREADTH	17 .75	18 .75	19 .75	20 .75	21 .75	22 .75	23 .75	24 .75	25 .75	26 .75	27 .75	28 .75	29 .75	30 .75	TOT ALS
32.75												1		1	2
31.75										1					1
30.75									2	1	1		2		6
29.75							1	1	3	2	2				9
28.75						1	6	8	9	5	2	1			32
27.75				1	2	6	20	21	8	2					60
26.75			1	7	22	26	17	19	9	2	1				104
25.75		1	3	19	50	66	34	12	5						190
24.75		2	21	76	83	65	26	3	1						277
23.75	3	16	80	122	100	38	2	1							362
22.75	4	36	101	78	26	11	2								258
21.75	11	40	49	28	3										131
20.75	15	34	18	5											72
19.75	4	2		2											8
18.75			1												1
TOTALS	37	131	274	338	286	213	108	65	37	13	6	2	2	1	1513

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-WAIST BREADTH	24.22	1.93	0.825X	+	6.573	1.12	0.817
X-WAIST BREADTH, OFG	21.39	1.92	0.809Y	+	1.797	1.10	

A BIVARIATE FREQUENCY TABLE FOR
HIP BREADTH AND THIGH-TO-THIGH BREADTH, SITTING

THIGH-TO-THIGH BREADTH, SITTING

HIP BREADTH	28 .75	29 .75	30 .75	31 .75	32 .75	33 .75	34 .75	35 .75	36 .75	37 .75	38 .75	39 .75	40 .75	41 .75	42 .75	43 .75	44 .75	45 .75	46 .75	47 .75	48 .75	49 .75	TOT ALS
43.75																					1	1	2
42.75																		1		2	1		4
41.75																		1	1	1			3
40.75															3	6	5	6	3	1			24
39.75													1	9	6	12	8	5	1				42
38.75											1	2	12	15	22	8	8	3	1				72
37.75										2	5	18	37	29	19	11	1	1					123
36.75									2	16	28	60	59	28	10	4	3						210
35.75							4	7	29	52	100	79	41	11	1	1							325
34.75						3	8	33	70	116	66	53	15	5	1								370
33.75					2	1	30	65	103	67	24	6	5										303
32.75				2	1	28	66	60	48	25	9	1											240
31.75				5	13	24	44	24	8	4													122
30.75			2	5	6	15	15	3	1														47
29.75			1	5	6	1		1															14
28.75	1			1	2																		4
TOTALS	1	0	3	18	30	72	167	193	261	282	233	219	170	97	62	42	25	17	6	4	2	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-HIP BREADTH	34.97	2.22	0.683X	+	8.885	1.05	0.881
X-THIGH-THIGH BR,SIT	38.19	2.86	1.137Y	-	1.570	1.35	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
HIP BREADTH AND HIP BREADTH, OVER FOUNDATION GARMENT

HIP BREADTH, OVER FOUNDATION GARMENT

HIP BREADTH	27 .75	28 .75	29 .75	30 .75	31 .75	32 .75	33 .75	34 .75	35 .75	36 .75	37 .75	38 .75	39 .75	40 .75	41 .75	42 .75	TOT ALS
43.75															1	1	2
42.75												1		1	1	1	4
41.75											1		1			1	3
40.75									1	1	6	7	6				21
39.75								1	2	8	10	11	1	2			35
38.75								4	13	29	17	4					67
37.75						1	2	16	50	26	6						101
36.75					1	4	23	59	65	14	3						169
35.75				2	8	17	104	98	28	5							262
34.75				1	25	94	132	41	3								296
33.75				6	84	91	40	6	3								230
32.75		1	5	46	83	44	3										182
31.75		1	19	45	23	5											93
30.75	1	6	18	8													33
29.75	1	5	3	3													12
28.75	2	1															3
TOTALS	4	14	45	111	224	256	304	225	165	83	43	23	8	3	2	3	1513

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-HIP BREADTH	35.07	2.25	0.961X	+	2.707	0.89	0.917
X-HIP BREADTH, OFG	33.67	2.14	0.875Y	+	2.990	0.85	

A BIVARIATE FREQUENCY TABLE FOR
THIGH-TO-THIGH BREADTH, SITTING AND THIGH-TO-THIGH BREADTH, SITTING, OVER FOUNDATION GARMENT

THIGH-TO-THIGH BREADTH, SITTING, OVER FOUNDATION GARMENT

THIGH-TO-THIGH BREADTH, SITTING	28 .75	29 .75	30 .75	31 .75	32 .75	33 .75	34 .75	35 .75	36 .75	37 .75	38 .75	39 .75	40 .75	41 .75	42 .75	43 .75	44 .75	45 .75	46 .75	47 .75	48 .75	TOT ALS
49.75																					1	1
48.75																			2			2
47.75																		3	1			4
46.75															1		3	2				6
45.75													2	1	5	3	4	1				16
44.75												2		4	8	6						20
43.75											2	1	9	10	9	4						35
42.75										1	7	12	12	15	4	2						53
41.75											11	37	27	10	2							87
40.75									6	24	41	46	25	2								144
39.75								1	20	50	72	25	6	1								175
38.75							4	10	57	72	34	7										184
37.75						4	12	52	84	45	20	2										219
36.75						4	33	87	55	15	3											197
35.75					5	24	62	48	12	3												154
34.75				2	13	47	42	20	2	1												127
33.75				10	17	23	3															53
32.75			2	8	5	6	1															22
31.75			1	8	2	1																12
30.75	1		1																			2
TOTALS	1	0	4	28	42	109	157	218	236	211	190	132	81	43	29	15	7	6	7	0	1	1513

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-THIGH-THIGH BR,SIT	38.34	2.89	1.015X	+	0.531	1.08	0.928
X-THI-THI BR,SIT,OFG	37.25	2.65	0.848Y	+	4.737	0.99	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
HUMERAL BREADTH, RIGHT AND HUMERAL BREADTH, LEFT

HUMERAL BREADTH, LEFT

HUMERAL BREADTH, RIGHT	5.20	5.30	5.40	5.50	5.60	5.70	5.80	5.90	6.00	6.10	6.20	6.30	6.40	6.50	6.60	6.70	6.80	6.90	7.00	7.10	7.20	7.30	7.40	7.50	TOTALS
7.50																								1	1
7.40																									0
7.30																									0
7.20																		1		1					2
7.10																	1	1			1				3
7.00																	2	3	1						6
6.90																1	6	4							11
6.80															1	4	5	3							27
6.70															4	12	13	10	1						40
6.60														1	17	24	17	8	3						70
6.50													1	2	31	45	35	15	6	1	1				137
6.40												3	2	26	52	48	18	2							151
6.30											1	8	22	68	50	27	10	2	1						189
6.20									1	6	33	63	87	42	8	1									241
6.10								2	43	71	71	39	11	4	1										242
6.00							27	89	103	54	19	3	1												296
5.90						13	58	58	30	24	1	1													185
5.80			1	4	9	25	40	25	8		1														113
5.70				8	19	30	12	9	2	1															81
5.60			2	16	15	14	3	2	1																53
5.50		3	8	12	7	5	1	1																	37
5.40		4	6	2																					12
5.30	1	2	1	1																					5
5.20	1	1	1																						3
TOTALS	2	10	19	43	50	87	144	234	259	238	243	191	155	105	58	31	19	13	1	1	1	0	1	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-HUMERAL BREADTH, R	6.13	0.31	0.935X	+ 0.429	0.12	0.918
X-HUMERAL BREADTH, L	6.10	0.30	0.902Y	+ 0.569	0.12	

A BIVARIATE FREQUENCY TABLE FOR
FEMORAL BREADTH, RIGHT AND FEMORAL BREADTH, LEFT

FEMORAL BREADTH, LEFT

FEMORAL BREADTH, RIGHT	6.75	6.95	7.15	7.35	7.55	7.75	7.95	8.15	8.35	8.55	8.75	8.95	9.15	9.35	9.55	9.75	9.95	TOTALS
9.95																	1	1
9.75																		0
9.55															1	1		2
9.35														5	6	2		13
9.15													8	16	1			25
8.95										1	19	31	9					60
8.75									2	35	68	20						125
8.55								1	35	103	49	3						191
8.35							4	53	170	66	2							295
8.15							63	161	88	8								320
7.95						2	36	195	101	5								339
7.75					3	38	154	83	2									280
7.55				1	12	69	50	6										138
7.35				2	29	33	1											65
7.15				9	16	1												26
6.95			4	12	2													18
6.75	4	3																7
TOTALS	4	7	24	62	143	241	351	318	300	213	138	62	30	8	3	0	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-FEMORAL BREADTH, R	8.12	0.45	0.989X	+ 0.066	0.13	0.960
X-FEMORAL BREADTH, L	8.14	0.44	0.932Y	+ 0.575	0.12	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
CHEST DEPTH AND WAIST DEPTH

WAIST DEPTH

CHEST DEPTH	12 .75	13 .75	14 .75	15 .75	16 .75	17 .75	18 .75	19 .75	20 .75	21 .75	22 .75	23 .75	24 .75	25 .75	TOT ALS
32.75												1			1
31.75												1			1
30.75										2	1	1		1	5
29.75								2	1	1	2	2	1		9
28.75					1		2	4	5	2	3	3	1		21
27.75					3	6	11	8	9	11	3	1	1		53
26.75				5	7	22	28	22	8	3		1			96
25.75			2	5	33	53	43	15	10	4	1	1			167
24.75			3	33	97	69	52	8	4	4					270
23.75		3	33	97	140	97	40	8							418
22.75		8	42	118	135	72	14								389
21.75	1	8	50	119	94	30	7								309
20.75		6	36	50	29	8	1								130
19.75	1	3	11	14	4	1									34
18.75			1	1											2
TOTALS	2	28	178	442	543	358	198	67	37	27	10	11	3	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-CHEST DEPTH	23.64	1.93	0.806X + 9.929	1.38	0.697
X-WAIST DEPTH	17.01	1.67	0.603Y + 2.758	1.20	

A BIVARIATE FREQUENCY TABLE FOR
CHEST DEPTH AND ABDOMINAL EXTENSION DEPTH

ABDOMINAL EXTENSION DEPTH

CHEST DEPTH	15 .75	16 .75	17 .75	18 .75	19 .75	20 .75	21 .75	22 .75	23 .75	24 .75	25 .75	26 .75	27 .75	28 .75	29 .75	30 .75	TOT ALS
32.75												1					1
31.75														1			1
30.75											1		1	2		1	5
29.75										1		1	3	3	1		9
28.75								1	2	6	2	7	1	1	1		21
27.75					1		5	4	9	12	9	4	3	2	4		53
26.75			1			11	18	27	18	13	4	4					96
25.75				3	9	22	46	40	25	11	8	2		1			167
24.75			5	14	40	62	65	47	28	8	1						270
23.75		4	16	50	75	126	87	38	18	3	1						418
22.75	2	6	16	63	125	105	57	13	2								389
21.75	1	6	47	65	105	48	31	4	1	1							309
20.75	1	5	26	42	28	23	5										130
19.75	2	3	7	10	8	1	2	1									34
18.75		1			1												2
TOTALS	6	25	118	247	392	398	316	175	103	55	26	19	8	10	6	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-CHEST DEPTH	23.64	1.93	0.650X + 10.064	1.35	0.713
X-ABDOMINAL EXT DPTH	20.89	2.12	0.782Y + 2.402	1.49	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
CHEST DEPTH AND BUTTOCK DEPTH

BUTTOCK DEPTH

CHEST DEPTH	15 .75	16 .75	17 .75	18 .75	19 .75	20 .75	21 .75	22 .75	23 .75	24 .75	25 .75	26 .75	27 .75	28 .75	29 .75	30 .75	TOT ALS
32.75										1							1
31.75													1				1
30.75									1	2		2					5
29.75								1		3	2	2				1	9
28.75						1	2	2	5	3	6	1	1				21
27.75					2	2	5	4	13	15	7	1	3	1			53
26.75					5	10	21	26	18	10	4	2					96
25.75				2	9	30	33	51	28	6	7	1					167
24.75				13	28	62	79	58	20	9	1						270
23.75			2	31	84	114	103	55	23	4	1	1					418
22.75		1	14	38	99	109	92	27	7	1	1						389
21.75		2	21	49	96	91	32	15	3								309
20.75		5	18	35	31	23	14	4									130
19.75	1	1	9	8	7	5	3										34
18.75			1			1											2
TOTALS	1	9	65	176	361	448	384	243	118	54	29	10	5	1	0	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-CHEST DEPTH	23.64	1.93	0.691X	+	9.026	1.48	0.640
X-BUTTOCK DEPTH	21.15	1.79	0.593Y	+	7.133	1.37	

A BIVARIATE FREQUENCY TABLE FOR
CHEST DEPTH AND THIGH CLEARANCE

THIGH CLEARANCE

CHEST DEPTH	9 .00	9 .50	10 .00	10 .50	11 .00	11 .50	12 .00	12 .50	13 .00	13 .50	14 .00	14 .50	15 .00	15 .50	16 .00	16 .50	17 .00	TOT ALS
32.75						1												1
31.75														1				1
30.75						1				1	1			1		1		5
29.75								1		1	2		1	2	2			9
28.75						1		3	3	2	3	4	4			1		21
27.75					1		4	7	4	9	10	8	6	1		1	2	53
26.75			1	3	3	7	9	6	16	16	13	8	9	4		1		96
25.75			2		7	14	18	20	25	29	28	16	6	1	1			167
24.75				9	15	35	30	37	49	38	31	15	4	6	1			270
23.75		2	4	22	24	56	71	67	71	51	29	15	5	1				418
22.75	1	3	9	25	43	65	64	67	48	34	20	7	3					389
21.75		4	12	28	42	61	67	37	29	17	5	4	2					309
20.75		5	8	15	22	22	22	17	8	8	2			1				130
19.75	1	3	4	6	2	7	6	1	3		1							34
18.75				1				1										2
TOTALS	2	17	40	109	160	270	291	264	256	206	145	77	40	18	4	4	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-CHEST DEPTH	23.64	1.93	0.722X	+	14.664	1.71	0.468
X-THIGH CLEARANCE	12.44	1.25	0.303Y	+	5.272	1.11	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
WAIST DEPTH AND ABDOMINAL EXTENSION DEPTH

ABDOMINAL EXTENSION DEPTH

WAIST DEPTH	15 .75	16 .75	17 .75	18 .75	19 .75	20 .75	21 .75	22 .75	23 .75	24 .75	25 .75	26 .75	27 .75	28 .75	29 .75	30 .75	TOT ALS
25.75																1	1
24.75														2	1		3
23.75												5	2	2	2		11
22.75											2	4	1	2	1		10
21.75									4	4	5	5	4	3	2		27
20.75							1	3	6	16	7	2	1	1			37
19.75						3	1	14	18	20	8	3					67
18.75					3	23	45	65	45	13	4						198
17.75			1	6	40	99	121	62	27	2							358
16.75			7	54	151	173	127	28	3								543
15.75	1	3	50	118	154	93	20	3									442
14.75		17	46	64	43	7	1										178
13.75	3	5	14	5	1												28
12.75	2																2
TOTALS	6	25	118	247	392	398	316	175	103	55	26	19	8	10	6	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-WAIST DEPTH	17.01	1.67	0.680X	+ 2.809	0.85	0.861
X-ABDOMINAL EXT DPTH	20.89	2.12	1.092Y	+ 2.311	1.08	

A BIVARIATE FREQUENCY TABLE FOR
WAIST DEPTH AND BUTTOCK DEPTH

BUTTOCK DEPTH

WAIST DEPTH	15 .75	16 .75	17 .75	18 .75	19 .75	20 .75	21 .75	22 .75	23 .75	24 .75	25 .75	26 .75	27 .75	28 .75	29 .75	30 .75	TOT ALS
25.75												1					1
24.75												2		1			3
23.75									1	5	3		2				11
22.75							1	1		4	3	1					10
21.75							3	2	5	9	5	1	2				27
20.75						2	3	10	11	2	6	2				1	37
19.75						8	6	12	23	11	4	2	1				67
18.75				2	13	31	58	50	23	14	7						198
17.75		1	1	9	43	79	109	77	31	6	1	1					358
16.75			7	43	112	159	135	62	22	3							543
15.75		2	23	67	133	134	56	26	1								442
14.75		4	28	45	53	31	13	3	1								178
13.75	1	2	5	9	7	4											28
12.75			1	1													2
TOTALS	1	9	65	176	361	448	384	243	118	54	29	10	5	1	0	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-WAIST DEPTH	17.01	1.67	0.641X	+ 3.455	1.22	0.686
X-BUTTOCK DEPTH	21.15	1.79	0.734Y	+ 8.665	1.30	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
WAIST DEPTH AND THIGH CLEARANCE

THIGH CLEARANCE

WAIST DEPTH	9.00	9.50	10.00	10.50	11.00	11.50	12.00	12.50	13.00	13.50	14.00	14.50	15.00	15.50	16.00	16.50	17.00	TOTALS
25.75						1												1
24.75											1				1	1		3
23.75						1		1	2		1	2	3	1				11
22.75								2		1		2	1	1	1	1	1	10
21.75					3	1		4	3	5	4	3	1	2			1	27
20.75					1	1	3	5	7	5	5	3	5	2				37
19.75				2	1	2	9	5	11	13	10	6	4	2		2		67
18.75			1	5	13	21	18	29	29	23	28	13	10	7	1			198
17.75		1	1	10	18	33	51	48	68	57	39	23	8		1			358
16.75		3	8	28	34	76	97	86	80	63	39	21	5	3				543
15.75	2	2	15	42	58	88	74	58	51	34	12	4	2					442
14.75		6	12	21	27	39	33	25	5	4	5		1					178
13.75		4	3	1	5	7	5	1		1	1							28
12.75		1					1											2
TOTALS	2	17	40	109	160	270	291	264	256	206	145	77	40	18	4	4	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-WAIST DEPTH	17.01	1.67	0.598X	+	9.578	1.49	0.448
X-THIGH CLEARANCE	12.44	1.25	0.335Y	+	6.736	1.12	

A BIVARIATE FREQUENCY TABLE FOR
WAIST DEPTH AND WAIST DEPTH, OVER FOUNDATION GARMENT

WAIST DEPTH, OVER FOUNDATION GARMENT

WAIST DEPTH	11.75	12.75	13.75	14.75	15.75	16.75	17.75	18.75	19.75	20.75	21.75	22.75	23.75	24.75	TOTALS
25.75														1	1
24.75											1		1	1	3
23.75										2	3	4			9
22.75								1		5	2	1		1	10
21.75								4	6	7	5	2			24
20.75							5	9	15	3	1				33
19.75						7	19	20	10	2					58
18.75				1	40	63	48	20							172
17.75		1	6	38	122	95	23	7							292
16.75		2	42	160	176	39	5								424
15.75		27	134	125	50	2	1								339
14.75	2	44	66	21	3										136
13.75	2	5	4												11
12.75		1													1
TOTALS	4	80	252	345	391	206	101	61	31	19	12	7	1	3	1513

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-WAIST DEPTH	17.12	1.69	0.813X	+	4.400	0.78	0.888
X-WAIST DEPTH, OFG	15.65	1.85	0.970Y	-	0.960	0.85	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
ABDOMINAL EXTENSION DEPTH AND BUTTOCK DEPTH

BUTTOCK DEPTH

ABDOMINAL EXTENSION DEPTH	15 .75	16 .75	17 .75	18 .75	19 .75	20 .75	21 .75	22 .75	23 .75	24 .75	25 .75	26 .75	27 .75	28 .75	29 .75	30 .75	TOT ALS
30.75												1					1
29.75											2		3	1			6
28.75									1	4	2	2	1				10
27.75								1	1	2	1	2				1	8
26.75									3	7	7	2					19
25.75							2	3	6	7	8						26
24.75						1	5	10	20	11	5	2	1				55
23.75					2	6	26	25	27	13	3	1					103
22.75				1	6	23	58	60	23	4							175
21.75				6	38	63	106	77	21	4	1						316
20.75			3	17	70	146	109	39	12	2							398
19.75			9	42	133	129	52	24	3								392
18.75		1	21	64	77	57	23	3	1								247
17.75		5	27	36	28	19	2	1									118
16.75	1	3	3	7	6	4	1										25
15.75			2	3	1												6
TOTALS	1	9	65	176	361	448	384	243	118	54	29	10	5	1	0	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-ABDOMINAL EXT DPTH	20.89	2.12	0.911X + 1.620	1.35	0.770
X-BUTTOCK DEPTH	21.15	1.79	0.650Y + 7.575	1.14	

A BIVARIATE FREQUENCY TABLE FOR
ABDOMINAL EXTENSION DEPTH AND THIGH CLEARANCE

THIGH CLEARANCE

ABDOMINAL EXTENSION DEPTH	9 .00	9 .50	10 .00	10 .50	11 .00	11 .50	12 .00	12 .50	13 .00	13 .50	14 .00	14 .50	15 .00	15 .50	16 .00	16 .50	17 .00	TOT ALS
30.75						1												1
29.75											1	2	2				1	6
28.75										2	1	1		3	2	1		10
27.75								3			2	1	1			1		8
26.75					2	1		1	2	2	4	2	3	1			1	19
25.75							2	4	2	4	5	4	3	1		1		26
24.75				1	2	3	4	8	11	9	7	2	6	1		1		55
23.75			1		3	6	9	10	14	17	20	15	4	3	1			103
22.75				2	7	11	21	23	35	31	21	11	7	5	1			175
21.75			1	9	18	32	48	48	48	47	34	19	8	4				316
20.75		2	1	17	21	55	62	71	65	58	26	14	6					398
19.75	1	1	9	32	46	72	78	62	45	23	17	6						392
18.75		2	9	27	42	56	44	23	27	11	6							247
17.75	1	7	15	17	13	27	19	10	7	1	1							118
16.75		4	4	4	4	5	2	1		1								25
15.75		1			2	1	2											6
TOTALS	2	17	40	109	160	270	291	264	256	206	145	77	40	18	4	4	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-ABDOMINAL EXT DPTH	20.89	2.12	0.890X + 9.822	1.80	0.526
X-THIGH CLEARANCE	12.44	1.25	0.311Y + 5.939	1.06	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
ABDOMINAL EXTENSION DEPTH AND ABDOMINAL EXTENSION DEPTH, OVER FOUNDATION GARMENT

ABDOMINAL EXTENSION DEPTH, OVER FOUNDATION GARMENT

ABDOMINAL EXTENSION DEPTH	13 .75	14 .75	15 .75	16 .75	17 .75	18 .75	19 .75	20 .75	21 .75	22 .75	23 .75	24 .75	25 .75	26 .75	27 .75	28 .75	29 .75	TOT ALS
30.75																	1	1
29.75															2	1	3	6
28.75													2	1	3	2	2	10
27.75												1	1		1	2		5
26.75											2	2	8	5	1			18
25.75										3	5	7	3	5				23
24.75								1	7	14	12	9	4	3				50
23.75							2	7	20	30	21	7	1					88
22.75					1	7	18	40	44	34	8	1						153
21.75					6	30	85	91	37	10	3							262
20.75			1	8	39	85	112	56	15	2								318
19.75			2	29	106	101	47	11	1	1								298
18.75		1	17	65	63	38	5	1										190
17.75		4	16	36	12	6												74
16.75	1	3	7	1		2												14
15.75	1	1	1															3
TOTALS	2	9	44	139	227	269	269	207	124	94	51	27	19	14	7	5	6	1513

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-ABDOMINAL EXT DPTH	21.05	2.14	0.783X	+	5.549	0.93	0.900
X-ABDOM EXT DPTH,OFG	19.80	2.46	1.035Y	-	1.990	1.07	

A BIVARIATE FREQUENCY TABLE FOR
BUTTOCK DEPTH AND THIGH CLEARANCE

THIGH CLEARANCE

BUTTOCK DEPTH	9 .00	9 .50	10 .00	10 .50	11 .00	11 .50	12 .00	12 .50	13 .00	13 .50	14 .00	14 .50	15 .00	15 .50	16 .00	16 .50	17 .00	TOT ALS
30.75											1							1
29.75																		0
28.75											1							1
27.75												1	1	1		1	1	5
26.75						1		1	1		1	1		2	1	2		10
25.75							1	3	4	3	4	8	3	2			1	29
24.75					1	2	1	4	6	10	10	6	10	2	1	1		54
23.75					3	3	7	9	15	27	24	18	7	4	1			118
22.75				5	6	15	32	36	34	49	41	13	8	3	1			243
21.75			1	9	17	45	47	73	70	65	33	18	4	2				384
20.75		1	5	19	45	86	80	70	75	33	19	8	6	1				448
19.75	1	2	9	34	55	65	79	48	36	16	10	4	1	1				361
18.75		7	14	28	19	41	35	16	12	3	1							176
17.75	1	3	9	12	12	12	9	4	3									65
16.75		3	2	2	2													9
15.75		1																1
TOTALS	2	17	40	109	160	270	291	264	256	206	145	77	40	18	4	4	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-BUTTOCK DEPTH	21.15	1.79	0.845X	+	10.645	1.44	0.591
X-THIGH CLEARANCE	12.44	1.25	0.414Y	+	3.679	1.01	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
BUTTOCK DEPTH AND BUTTOCK DEPTH, OVER FOUNDATION GARMENT

BUTTOCK DEPTH, OVER FOUNDATION GARMENT

BUTTOCK DEPTH	16 .75	17 .75	18 .75	19 .75	20 .75	21 .75	22 .75	23 .75	24 .75	25 .75	26 .75	27 .75	28 .75	29 .75	30 .75	TOT ALS
30.75															1	1
29.75																0
28.75														1		1
27.75											1	1	1	1	1	5
26.75										1	4	1	3			9
25.75								1	5	7	7	4	1			25
24.75							2	13	20	9	2	5		1		52
23.75					1	4	23	34	27	11	2	2				104
22.75				2	7	58	82	41	15							205
21.75			1	3	63	135	81	21	6							310
20.75			5	53	151	115	34	2								360
19.75		2	41	103	87	30	3									266
18.75	1	7	53	45	10	5	1									122
17.75	1	14	23	9												47
16.75	1	5														6
TOTALS	3	28	123	215	319	347	226	112	73	28	16	13	5	3	2	1513

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-BUTTOCK DEPTH	21.29	1.81	0.807X + 3.865	0.85	0.882
X-BUTTOCK DEPTH, OFG	21.59	1.97	0.964Y + 1.068	0.93	

A BIVARIATE FREQUENCY TABLE FOR
SHOULDER LENGTH AND NECK-TO-BUSTPOINT LENGTH

NECK-TO-BUSTPOINT LENGTH

SHOULDER LENGTH	19 .75	20 .75	21 .75	22 .75	23 .75	24 .75	25 .75	26 .75	27 .75	28 .75	29 .75	30 .75	31 .75	TOT ALS
19.00												1		1
18.50														0
18.00				1			1		1	1				4
17.50							1	1	2	3	1			8
17.00					2	7	4	6	7	2	1	1	1	31
16.50		2		3	6	10	9	17	11	5	7	2		72
16.00			1	2	16	22	39	26	26	8	6			146
15.50			5	15	25	47	65	39	32	19	8	4	1	260
15.00		2	6	15	40	74	71	40	37	14	8	2		309
14.50		1	14	27	64	78	79	57	30	12	6	2		370
14.00		4	16	35	73	66	65	59	20	9	4	2	3	356
13.50		2	10	18	37	49	31	19	12	6	1	1		186
13.00			2	23	28	22	16	13	2	3	1			110
12.50		1		5	7	13	7	4		1				38
12.00	1		1		3	6	1	1						13
11.50						1								1
TOTALS	1	12	55	144	301	395	389	282	180	83	43	15	5	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-SHOULDER LENGTH	14.66	1.02	0.156X + 10.684	0.98	0.288
X-NECK-BUSTPOINT L	25.49	1.89	0.533Y + 17.681	1.81	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
SHOULDER LENGTH AND STRAP LENGTH

STRAP LENGTH

SHOULDER LENGTH	53 .25	55 .25	57 .25	59 .25	61 .25	63 .25	65 .25	67 .25	69 .25	71 .25	73 .25	75 .25	77 .25	79 .25	TOT ALS
19.00											1				1
18.50															0
18.00					1		1	1		1					4
17.50							1	2	3	1	1				8
17.00					2	6	4	10	5	2		1	1		31
16.50			3	1	8	9	12	20	6	5	5	2	1		72
16.00			2	6	12	27	32	28	16	18	3	2			146
15.50			4	11	32	44	50	48	37	19	8	4	2	1	260
15.00		2	3	13	37	63	73	46	37	19	13	2	1		309
14.50			8	23	59	62	80	68	37	20	6	5	2		370
14.00	1	6	7	39	56	67	64	53	34	14	9	3	3		356
13.50		2	6	16	32	41	38	21	16	7	5	2			186
13.00			1	16	24	25	16	16	6	6					110
12.50		1		1	14	9	6	6			1				38
12.00	1		1	1	4	2	2	2							13
11.50					1										1
TOTALS	2	11	35	127	282	355	379	321	197	112	52	21	10	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-SHOULDER LENGTH	14.66	1.02	0.059X + 10.813	0.99	0.226
X-STRAP LENGTH	65.22	3.92	0.869Y + 52.481	3.82	

A BIVARIATE FREQUENCY TABLE FOR
INTERSCYE CURVATURE AND INTERSCYE CURVATURE, MAXIMUM

INTERSCYE CURVATURE, MAXIMUM

INTERSCYE CURVATURE	37 .75	38 .75	39 .75	40 .75	41 .75	42 .75	43 .75	44 .75	45 .75	46 .75	47 .75	48 .75	49 .75	50 .75	51 .75	52 .75	53 .75	54 .75	55 .75	56 .75	57 .75	58 .75	59 .75	60 .75	TOT ALS
43.75																			1				1		2
42.75																	1		1	1					3
41.75															1	1	2	4		1				1	10
40.75														4	2	3	4	4	1	2		1			21
39.75										1		1	7	3	8	5	6	5	9	2	2		1		50
38.75								1	1		2	5	9	11	18	16	12	12	10	4		2	1		104
37.75					1			6	2	1	10	13	17	22	16	26	21	5	4	3	1	1			149
36.75							2	3	8	9	26	23	31	39	40	20	16	10	5	2	1		1		236
35.75						4	4	8	9	20	26	38	45	37	34	19	15	7	3	2	1				272
34.75				1	4	3	9	8	14	30	47	45	40	48	21	26	9	3	3						311
33.75			2		3	7	8	19	29	29	52	43	30	33	24	10	10	3							302
32.75				1	1	10	8	14	31	38	20	21	23	12	10	5	1		1						196
31.75			1	3	2	6	9	9	21	25	15	14	21	4	7	2	1								140
30.75			3	3	1	1	6	7	8	12	10	6	6	4	2		2								71
29.75			1		4		2	3	2	6	3	3	3												27
28.75	1	1			1			2		1	1	1													8
27.75					1		1		1																3
TOTALS	1	1	7	8	18	31	49	80	126	172	212	213	232	217	183	133	100	53	38	17	5	4	4	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-INTERSCYE	35.06	2.44	0.417X + 14.461	2.02	0.561
X-INTERSCYE, MAXIMUM	49.39	3.29	0.756Y + 22.887	2.72	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
INTERSCYE CURVATURE AND BACK CURVATURE

BACK CURVATURE

INTERSCYE CURVATURE	33 .75	34 .75	35 .75	36 .75	37 .75	38 .75	39 .75	40 .75	41 .75	42 .75	43 .75	44 .75	45 .75	46 .75	47 .75	48 .75	49 .75	50 .75	51 .75	52 .75	53 .75	TOT ALS
43.75														1			1					2
42.75															1		1		1			3
41.75										1			2	1	1	2		1	2			10
40.75										1	4	1	5	2	2		3		3			21
39.75								1	3	4	1	8	14	4	4	2	5	2	1		1	50
38.75				1		2	2	9	3	10	15	15	18	11	9	4	2	1	1	1		104
37.75				1	2	2	7	16	18	29	23	13	12	11	9	4	1		1			149
36.75			1	1	2	12	12	29	25	29	31	30	21	14	16	5	6		2			236
35.75			1	5	7	12	33	37	44	46	31	23	19	7	6	1						272
34.75	1		4	7	18	18	54	44	45	41	35	20	13	6	2		2	1				311
33.75	1		4	10	20	25	50	53	45	37	29	11	12	2	3							302
32.75		1	6	6	19	27	37	38	25	9	12	7	4		3	1	1					196
31.75		1	4	11	14	11	33	27	12	13	6	7				1						140
30.75	1	1	2	3	6	12	14	19	6	4	2		1									71
29.75				3	4	5	5	5	3	1		1										27
28.75			1		2		2	1	1	1												8
27.75		1					1				1											3
TOTALS	3	4	23	48	94	126	250	279	230	226	190	136	121	59	56	20	22	5	11	1	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-INTERSCYE	35.06	2.44	0.438X + 16.598	2.04	0.548
X-BACK CURVATURE	42.15	3.05	0.686Y + 18.096	2.55	

A BIVARIATE FREQUENCY TABLE FOR
INTERSCYE CURVATURE, MAXIMUM AND BACK CURVATURE

BACK CURVATURE

INTERSCYE CURVATURE, MAXIMUM	33 .75	34 .75	35 .75	36 .75	37 .75	38 .75	39 .75	40 .75	41 .75	42 .75	43 .75	44 .75	45 .75	46 .75	47 .75	48 .75	49 .75	50 .75	51 .75	52 .75	53 .75	TOT ALS
60.75																			1			1
59.75												1	1				1				1	4
58.75								1				1			2							4
57.75										1	1		1			1	1					5
56.75									1	2	1	2	4	2	3		1		1			17
55.75							1	2	5	4	9	3	3	4	4		2	1				38
54.75					1		2	3	2	10	5	4	10	1	6	4	2		2	1		53
53.75				2	2	2	4	6	10	15	13	12	13	8	3	2	4		4			100
52.75					3	2	14	17	13	22	16	13	13	9	5	1	2	2	1			133
51.75			1		4	13	15	34	16	16	28	15	15	7	11	4	3		1			183
50.75			1	2	10	10	34	26	30	29	28	19	12	4	10	1			1			217
49.75			3	2	7	14	31	29	41	28	22	21	16	8	5	2	3					232
48.75			2	7	11	20	32	34	28	23	20	15	9	7	3		1	1				213
47.75	1	2	2	6	15	13	27	38	31	25	16	10	15	6	2	3						212
46.75	1		4	5	15	12	32	35	24	17	13	8	4	1				1				172
45.75		1	3	14	11	21	17	19	13	8	9	3	2	1	1	1	2					126
44.75	1		2	3	3	8	16	11	8	12	5	7	2	1		1						80
43.75			3	3	4	3	9	11	4	8	2	1	1									49
42.75			1	1	5	3	7	8	2	2	1				1							31
41.75		1		1	1	2	6	3		3		1										18
40.75				1	1	2	1	1	1		1											8
39.75			1	1		1	2		1	1												7
38.75					1																	1
37.75								1														1
TOTALS	3	4	23	48	94	126	250	279	230	226	190	136	121	59	56	20	22	5	11	1	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-INTERSCYE, MAXIMUM	49.39	3.29	0.450X + 30.425	2.99	0.418
X-BACK CURVATURE	42.15	3.05	0.388Y + 22.982	2.77	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
WAIST BACK AND ANTERIOR WAIST LENGTH

ANTERIOR WAIST LENGTH

WAIST BACK	27 .75	28 .75	29 .75	30 .75	31 .75	32 .75	33 .75	34 .75	35 .75	36 .75	37 .75	38 .75	39 .75	40 .75	41 .75	TOT ALS
47.75							1				1					2
46.75								1	1	1			2	1		6
45.75						2	1	10	11	1	3	1		1	1	31
44.75					2	3	5	13	12	6	3	5	1			50
43.75				3	10	9	16	31	30	8	5	4	1	1		118
42.75		1	1	8	19	28	32	46	27	18	10	1	2			193
41.75		1	3	12	24	52	47	60	37	21	6					263
40.75		2	5	14	48	87	94	58	35	18	3	4				368
39.75		4	11	32	63	69	62	34	24	10	5					314
38.75		1	10	29	55	58	40	29	18	4	3					247
37.75	1	4	8	30	41	46	25	20	6		2					183
36.75		1	6	18	22	18	12	6	3	1						87
35.75			3	7	6	5	5	1								26
34.75	1		1	1	4	1	2	1	1							12
33.75		1	1	2	1											5
TOTALS	2	15	49	156	294	378	342	310	205	88	41	15	6	3	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-WAIST BACK	40.51	2.22	0.512X	+	23.319	1.98	0.452
X-ANTERIOR WAIST LTH	33.58	1.96	0.399Y	+	17.414	1.75	

A BIVARIATE FREQUENCY TABLE FOR
SLEEVE INSEAM AND SPINE-TO-WRIST LENGTH (SLEEVE LENGTH SEGMENT)

SPINE-TO-WRIST LENGTH (SLEEVE LENGTH SEGMENT)

SLEEVE INSEAM	67 .75	68 .75	69 .75	70 .75	71 .75	72 .75	73 .75	74 .75	75 .75	76 .75	77 .75	78 .75	79 .75	80 .75	81 .75	82 .75	83 .75	84 .75	85 .75	86 .75	87 .75	88 .75	89 .75	90 .75	TOT ALS
53.75																								1	1
52.75																					1	2			3
51.75																				1		1			2
50.75															1		2		1	1			1	1	7
49.75															1	3	4	4	2	3	1	1	3		22
48.75													1	3	2	11	11	11	7	4	4	2	1		57
47.75													4	9	15	15	20	16	6	4	4	1	1	1	96
46.75											2	9	14	26	32	28	16	14	11	7	2		1		162
45.75									1	5	7	26	43	38	43	33	24	3	6	1					230
44.75								2	2	13	29	41	57	51	45	28	15	5	6	1					295
43.75						1	2	9	15	34	61	62	66	53	24	11	4	3	1						346
42.75						1	5	10	20	48	42	45	40	18	9	6	1	2							247
41.75					1	4	9	24	41	35	42	20	13	7	3										199
40.75				1	2	11	17	26	19	29	17	14	7	1	1										145
39.75			1		3	7	15	10	7	9	2	2													56
38.75				1	3	6	6	5	3	1			1												26
37.75					1	3	2		1																7
36.75	1		1				2																		4
TOTALS	1	0	2	2	10	33	58	86	109	174	202	219	246	206	176	135	97	58	40	22	12	7	7	3	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-SLEEVE INSEAM	44.13	2.42	0.576X	-	1.713	1.48	0.792
X-SPINE-TO-WRIST LTH	79.58	3.32	1.088Y	+	31.573	2.03	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
SPINE-TO-SCYE LENGTH (SLEEVE LENGTH SEGMENT) AND SPINE-TO-ELBOW LENGTH (SLEEVE LENGTH SEGMENT)

SPINE-TO-ELBOW LENGTH (SLEEVE LENGTH SEGMENT)

SPINE-TO-SCYE LENGTH (SLEEVE LENGTH SEGMENT)	44 .75	45 .75	46 .75	47 .75	48 .75	49 .75	50 .75	51 .75	52 .75	53 .75	54 .75	55 .75	56 .75	57 .75	58 .75	59 .75	60 .75	61 .75	62 .75	TOT ALS
25.50																		1		1
25.00													1	1	2			1	1	6
24.50													1	1			1			3
24.00											1	4		2	1					8
23.50											2	2	7	5	2	3	1		1	23
23.00						1		2	1	8	13	7	7	5	3	1	1			49
22.50						1		2	5	12	16	13	8	3	1	1				62
22.00					2	5	6	8	14	26	21	29	13	7	5	2				138
21.50						7	7	20	17	35	33	27	26	7	4			1		184
21.00					5	8	11	22	48	54	32	27	16	11	3	5				242
20.50					2	11	26	30	38	51	44	24	24	4		1				255
20.00			1	2	5	18	33	58	60	52	42	20	11	2		1				305
19.50				3	7	19	33	51	51	43	25	12	3	3						250
19.00	1		2	1	14	19	26	41	38	20	12	4	1	1						180
18.50				5	5	20	21	21	15	13	2	5								107
18.00		1	1	3	1	10	10	11	7	6	1	1								52
17.50				1	1	2	9	4	1											18
17.00				2	2	2	1	4	2											13
16.50					1	2				1										4
16.00			1	1	1															3
15.50			1		1															2
TOTALS	1	1	6	18	47	125	183	274	297	321	244	175	118	52	21	14	3	3	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-SPINE-TO-SCYE LGTH	20.37	1.36	0.308X + 3.944	1.14	0.547
X-SPINE-TO-ELBOW LTH	53.32	2.41	0.969Y + 33.562	2.01	

A BIVARIATE FREQUENCY TABLE FOR
SPINE-TO-SCYE LENGTH (SLEEVE LENGTH SEGMENT) AND SPINE-TO-WRIST LENGTH (SLEEVE LENGTH SEGMENT)

SPINE-TO-WRIST LENGTH (SLEEVE LENGTH SEGMENT)

SPINE-TO-SCYE LENGTH (SLEEVE LENGTH SEGMENT)	67 .75	68 .75	69 .75	70 .75	71 .75	72 .75	73 .75	74 .75	75 .75	76 .75	77 .75	78 .75	79 .75	80 .75	81 .75	82 .75	83 .75	84 .75	85 .75	86 .75	87 .75	88 .75	89 .75	90 .75	TOT ALS
25.50																							1		1
25.00																		1	2		1		1	1	6
24.50																	1	1					1		3
24.00														1	2	1	1	1	2						8
23.50											1				1	1	3	5	5	4	2			1	23
23.00							1					3	10	6	9	4	6	1	4	3	1			1	49
22.50									1	1	6	3	7	8	13	10	5	3	2	2			1		62
22.00						2	4	1	4	7	6	11	17	23	15	18	10	7	7	1	2	2	1		138
21.50						2	2	2	5	11	16	14	21	29	21	22	17	11	4	5	2	1			164
21.00							2	10	12	12	30	27	34	27	31	19	12	9	7	4	2	3	1		242
20.50						2	2	9	13	28	21	35	39	30	24	20	20	8	2	1		1			255
20.00				1	4	5	11	10	20	36	47	37	35	35	27	14	13	5	2	2			1		305
19.50					3	5	8	16	21	25	26	35	44	28	15	13	6	2	2		1				250
19.00	1		1	1	1	5	11	13	15	22	27	26	23	10	14	6	1	1	1		1				180
18.50					2	4	10	12	9	18	12	14	8	7	2	5	1	3							107
18.00			1			3	3	7	4	8	6	7	6	1	3	2	1								52
17.50							2	2	4	4	2	4													18
17.00						2		3		1	2	3	2												13
16.50						1	1		1					1											4
16.00						1	1	1																	3
15.50						1				1															2
TOTALS	1	0	2	2	10	33	58	86	109	174	202	219	246	206	176	135	97	58	40	22	12	7	7	3	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-SPINE-TO-SCYE LGTH	20.37	1.36	0.191X + 5.166	1.20	0.466
X-SPINE-TO-WRIST LTH	79.58	3.32	1.141Y + 56.346	2.94	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
SPINE-TO-ELBOW LENGTH (SLEEVE LENGTH SEGMENT) AND SPINE-TO-WRIST LENGTH (SLEEVE LENGTH SEGMENT)

SPINE-TO-WRIST LENGTH (SLEEVE LENGTH SEGMENT)

SPINE-TO-ELBOW LENGTH (SLEEVE LENGTH SEGMENT)	67 .75	68 .75	69 .75	70 .75	71 .75	72 .75	73 .75	74 .75	75 .75	76 .75	77 .75	78 .75	79 .75	80 .75	81 .75	82 .75	83 .75	84 .75	85 .75	86 .75	87 .75	88 .75	89 .75	90 .75	TOT ALS
62.75																								2	2
61.75																						1	2		3
60.75																					1		1	1	3
59.75																			1	2	3	4	4		14
58.75																		1	6	8	4	2			21
57.75																2	8	12	20	7	3				52
56.75															10	20	43	28	11	5	1				118
55.75											1	1	4	16	43	66	31	11	2						175
54.75											1	7	33	73	79	35	12	4							244
53.75										2	13	49	123	86	34	9	3	2							321
52.75								1	4	28	73	92	63	23	10	3									297
51.75							1	7	28	69	84	58	19	8											274
50.75							7	26	47	61	26	12	4												183
49.75					2	12	29	37	28	13	4														125
48.75					3	11	17	13	2	1															47
47.75				1	4	7	4	2																	18
46.75			1	1	1	3																			6
45.75			1																						1
44.75	1																								1
TOTALS	1	0	2	2	10	33	58	86	109	174	202	219	246	206	176	135	97	58	40	22	12	7	7	3	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-SPINE-TO-ELBOW LTH	53.32	2.41	0.678X	-	0.641	0.85	0.935
X-SPINE-TO-WRIST LTH	79.58	3.32	1.289Y	+	10.858	1.18	

A BIVARIATE FREQUENCY TABLE FOR
HAND LENGTH AND HAND BREADTH

HAND BREADTH

HAND LENGTH	6 .15	6 .35	6 .55	6 .75	6 .95	7 .15	7 .35	7 .55	7 .75	7 .95	8 .15	8 .35	8 .55	8 .75	TOT ALS
22.00											1				1
21.50													3		3
21.00								3		5	3		2		13
20.50				1			4	9	8	16	9	6	7		60
20.00					1	3	8	14	18	24	20	5	1		94
19.50		1			2	9	18	29	37	32	18	7	2	2	157
19.00				1	9	24	46	51	70	59	29	13	2		304
18.50			1	7	19	29	68	94	84	52	16	9	3	1	383
18.00	2		3	6	35	56	79	93	68	38	11	3	1		395
17.50		1	2	15	40	42	69	58	42	12	3		1		285
17.00			2	7	26	23	32	26	16	4	1				137
16.50		1	1	5	9	19	18	7	2						62
16.00			1	1	2	1	3								8
15.50			1			2									3
TOTALS	2	3	11	43	143	208	345	384	345	242	111	43	22	3	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-HAND LENGTH	18.38	0.96	1.200X	+	9.318	0.84	0.487
X-HAND BREADTH	7.55	0.39	0.198Y	+	3.914	0.34	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
HAND LENGTH AND HAND CIRCUMFERENCE

HAND CIRCUMFERENCE

HAND LENGTH	15.00	15.50	16.00	16.50	17.00	17.50	18.00	18.50	19.00	19.50	20.00	20.50	21.00	21.50	22.00	TOTALS
22.00										1						1
21.50											3					3
21.00							1	1	3	4	2		1	1		13
20.50						2	4	10	16	11	6	9	1	1		60
20.00						3	10	26	21	22	7	2	3			94
19.50				2	5	12	21	38	39	21	16	2	1			157
19.00				5	10	32	60	63	67	41	21	3	2			304
18.50				7	19	46	95	108	61	29	12	6				383
18.00		1	1	14	41	67	97	94	51	23	5	1				395
17.50	1		3	14	40	68	72	52	20	12	2	1				285
17.00			1	14	23	36	33	19	4	7						137
16.50		1	1	9	14	9	16	9	1	2						62
16.00				3	1	3	1									8
15.50			1					2								3
TOTALS	1	2	7	68	153	278	410	422	283	173	71	27	8	2		1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-HAND LENGTH	18.38	0.96	0.508X + 9.078	0.84	0.481
X-HAND CIRCUMFERENCE	18.32	0.91	0.455Y + 9.954	0.80	

A BIVARIATE FREQUENCY TABLE FOR
HAND LENGTH AND FOOT LENGTH

FOOT LENGTH

HAND LENGTH	21.00	21.50	22.00	22.50	23.00	23.50	24.00	24.50	25.00	25.50	26.00	26.50	27.00	27.50	TOTALS
22.00													1		1
21.50													3		3
21.00								2	1	1	3	3	3		13
20.50							3	3	14	17	11	7	1	4	60
20.00						4	4	9	15	29	18	9	4	2	94
19.50					1	7	23	23	41	34	16	8	3	1	157
19.00				7	17	37	44	75	57	45	18	4			304
18.50			2	13	24	66	93	101	57	21	5	1			383
18.00		4	16	26	53	94	95	63	30	12	2				395
17.50	1	2	14	41	80	70	38	24	11	4					285
17.00	2	7	20	26	44	20	11	7							137
16.50	4	7	17	13	12	9									62
16.00		1	4	2	1										8
15.50	1		1	1											3
TOTALS	8	21	74	129	232	307	311	307	226	163	73	32	15	7	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-HAND LENGTH	18.38	0.96	0.607X + 3.774	0.67	0.714
X-FOOT LENGTH	24.07	1.13	0.839Y + 8.645	0.79	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
HAND BREADTH AND HAND CIRCUMFERENCE

HAND CIRCUMFERENCE

HAND BREADTH	15 .00	15 .50	16 .00	16 .50	17 .00	17 .50	18 .00	18 .50	19 .00	19 .50	20 .00	20 .50	21 .00	21 .50	TOT ALS
8.75											2	1			3
8.55									1	2	3	10	4	2	22
8.35							1	1	1	13	15	10	2		43
8.15							2	16	29	39	18	5	2		111
7.95					1	2	26	56	84	52	20	1			242
7.75				2	2	20	66	129	85	34	7				345
7.55				2	19	54	112	122	53	19	3				384
7.35				8	31	86	127	63	19	9	2				345
7.15			1	13	40	68	46	30	6	4					208
6.95		1	3	19	45	39	26	4	4	1	1				143
6.75		1	2	19	8	9	2	1	1						43
6.55	1		1	4	4		1								11
6.35					2		1								3
6.15				1	1										2
TOTALS	1	2	7	68	153	278	410	422	283	173	71	27	8	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-HAND BREADTH	7.55	0.39	0.316X	+	1.766	0.26	0.736
X-HAND CIRCUMFERENCE	18.32	0.91	1.715Y	+	5.363	0.61	

A BIVARIATE FREQUENCY TABLE FOR
HAND BREADTH AND FOOT BREADTH

FOOT BREADTH

HAND BREADTH	7 .00	7 .50	8 .00	8 .50	9 .00	9 .50	10 .00	10 .50	11 .00	TOT ALS
8.75						1	2			3
8.55				1	5	5	8	3		22
8.35				3	16	15	5	3	1	43
8.15			1	15	56	28	10	1		111
7.95			2	48	106	74	9	3		242
7.75			13	111	139	68	13	1		345
7.55		4	24	147	136	61	11		1	384
7.35	1	1	32	142	127	37	5			345
7.15	1	3	31	97	57	17	2			208
6.95		5	27	60	41	9	1			143
6.75		4	18	12	8		1			43
6.55			4	1	6					11
6.35		1		1	1					3
6.15			2							2
TOTALS	2	18	154	638	698	315	67	11	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-HAND BREADTH	7.55	0.39	0.349X	+	4.459	0.35	0.447
X-FOOT BREADTH	8.87	0.50	0.571Y	+	4.554	0.45	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
FOOT LENGTH AND FOOT BREADTH

FOOT BREADTH

FOOT LENGTH	7.00	7.50	8.00	8.50	9.00	9.50	10.00	10.50	11.00	TOTALS
27.50					3	1	2	1		7
27.00				1	5	3	4	2		15
26.50				4	11	10	7			32
26.00				9	24	29	8	1	2	73
25.50			1	30	65	55	10	2		163
25.00			2	47	97	63	15	2		226
24.50		1	7	84	136	68	9	2		307
24.00		1	13	123	129	38	7			311
23.50		1	28	131	110	34	2	1		307
23.00		3	41	108	69	9	2			232
22.50	1	3	31	59	31	3	1			129
22.00	1	5	22	29	15	2				74
21.50		2	7	9	3					21
21.00		2	2	4						8
TOTALS	2	18	154	638	698	315	67	11	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-FOOT LENGTH	24.07	1.13	1.167X	+ 13.720	0.97	0.515
X-FOOT BREADTH	8.87	0.50	0.227Y	+ 3.404	0.43	

A BIVARIATE FREQUENCY TABLE FOR
HEAD LENGTH AND HEAD BREADTH

HEAD BREADTH

HEAD LENGTH	12.75	12.95	13.15	13.35	13.55	13.75	13.95	14.15	14.35	14.55	14.75	14.95	15.15	15.35	15.55	15.75	15.95	16.15	16.35	16.55	16.75	16.95	17.15	TOTALS
20.75										1														1
20.55								1	2		1													4
20.35										2						1								3
20.15							2			2			2	2	2									10
19.95						1		2	3	2	2	3		1	1	1								16
19.75							2	2	3	4		4	2	1	2								1	21
19.55					1	3	6	7	8	9	5	6	5	3	6	1	1			1				62
19.35		1	1	1	6	2	4	7	9	18	8	14	5	5	7	2			1					91
19.15		1		2	3	7	5	20	9	24	8	15	4	8	6	3	1							116
18.95		2	4	2	5	4	17	25	21	30	17	14	16	10	8	3	2	1						181
18.75			1	1	6	6	18	20	17	28	15	24	18	8	5	1		1						169
18.55		1	3	6	9	4	20	30	28	50	20	27	13	7	5	2	2							227
18.35		3	1	6	13	3	14	31	33	44	25	23	13	9	6	1	3	3						228
18.15		1	2	6	4	6	21	27	26	31	10	12	15	10	7	6	4							188
17.95		3	3	3	11	6	24	19	28	36	15	21	13	10	4	3		1						200
17.75			1	2	5	9	16	13	14	21	12	11	7	8	2		2	1						124
17.55		1	1	3	15	4	18	11	18	20	5	15	5	3	6	2		1						123
17.35			2	4	4	3	5	7	11	7	2	4	5	1	1	3	1							60
17.15	1				3	1	4	4	5	7	5	2	3	1										36
16.95		1	1			2	1	5	1	2	2	4	2	2										23
16.75				1		1	3	1	2	1	4		1	1										15
16.55						2			2			1		1										6
16.35						1																		1
TOTALS	1	14	23	37	77	65	180	232	240	339	156	200	129	91	68	29	16	8	1	1	0	0	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-HEAD LENGTH	18.41	0.68	0.132X	+ 16.494	0.67	0.115
X-HEAD BREADTH	14.52	0.59	0.101Y	+ 12.656	0.59	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
HEAD LENGTH AND HEAD CIRCUMFERENCE

HEAD CIRCUMFERENCE

HEAD LENGTH	50 .00	50 .50	51 .00	51 .50	52 .00	52 .50	53 .00	53 .50	54 .00	54 .50	55 .00	55 .50	56 .00	56 .50	57 .00	57 .50	58 .00	58 .50	59 .00	59 .50	60 .00	60 .50	61 .00	61 .50	TOT ALS
20.75																			1						1
20.55																	1	1		2					4
20.35																		1	1				1		3
20.15														1	2	1	1	3	1	1					10
19.95													2	2	4	2	4	1	1						16
19.75										1	1	3		3	2	5	3			1	1			1	21
19.55									2	2	3	5	7	8	10	10	10	3	2						62
19.35								3	3	6	7	13	16	11	14	11	4	1	1		1				91
19.15					1			1	1	13	13	12	25	16	19	5	6	3			1				116
18.95						1	1	5	9	19	30	23	35	20	21	6	5	3	1	1			1		181
18.75							2	7	15	19	44	27	27	11	6	8	3								169
18.55						4	9	11	35	31	45	23	34	19	9	1	4	2							227
18.35					2	6	16	19	38	46	43	15	19	11	8	2	3								228
18.15			1	1	1	3	18	14	37	28	36	19	16	10	3			1							188
17.95			1	2	5	12	36	29	31	37	16	8	15	4	4										200
17.75			4	3	7	11	16	15	23	19	16	4	4	1			1								124
17.55			3	8	17	13	15	14	20	17	9	3	3		1										123
17.35			3	2	11	9	9	9	6	4	4	1	1	1											60
17.15			1	1	11	12	4	3	1	2		1													36
16.95		1	1	1	1	4	7	2	4	2															23
16.75			1	2	4	4	1	1	1	1															15
16.55	1		2		3																				6
16.35			1																						1
TOTALS	1	1	18	20	63	79	134	133	226	247	267	157	204	118	103	51	45	19	8	5	3	0	2	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-HEAD LENGTH	18.41	0.68	0.289X	+ 2.554	0.49	0.692
X-HEAD CIRCUMFERENCE	54.87	1.62	1.655Y	+ 24.397	1.17	

A BIVARIATE FREQUENCY TABLE FOR
HEAD LENGTH AND SAGITTAL CURVATURE

SAGITTAL CURVATURE

HEAD LENGTH	30 .00	30 .50	31 .00	31 .50	32 .00	32 .50	33 .00	33 .50	34 .00	34 .50	35 .00	35 .50	36 .00	36 .50	37 .00	37 .50	38 .00	38 .50	39 .00	39 .50	40 .00	40 .50	41 .00	41 .50	TOT ALS
20.75															1										1
20.55										1					1		1			1					4
20.35													1			2									3
20.15										2	2		1	1	2				2						10
19.95										3		2	3	2	2		1	2	1						16
19.75									3	1	1		4	3	1	4	2			1				1	21
19.55							1	1	2	5	9	6	18	7	2	4	4	2			1				62
19.35						1	2	1	11	10	20	5	18	7	5	4	6		1						91
19.15					1		7	3	11	17	19	10	22	9	7	4	4	1	1						116
18.95			1		3	1	6	9	14	18	40	21	27	15	12	6	2	4			1		1		181
18.75						1	8	4	19	27	49	16	20	4	8	7	4	1	1						169
18.55					4	6	16	8	34	23	51	31	22	12	12	3	3	1	1						227
18.35			1		10	2	18	13	37	32	53	22	15	7	8	3	2	2	2		1				228
18.15			1	1	5	2	25	14	30	26	37	14	15	8	7	2		1							188
17.95			3	2	8	5	27	21	33	26	32	11	17	5	3	2	4	1							200
17.75			2	1	7	8	16	13	21	19	24	6	4	1		2									124
17.55		2	1	3	16	7	13	11	21	15	21	4	5	2	1			1							123
17.35			1		2	3	15	6	12	8	7	4	1					1							60
17.15		1	1	2	3		11	6	5	2	2	2	1												36
16.95	1			1	3	1	4	2	4	2	2		3												23
16.75						2	5	1	2	1	3		1												15
16.55					1	3		1	1																6
16.35							1																		1
TOTALS	1	3	11	10	63	42	175	114	260	238	372	154	198	83	72	43	33	17	9	2	3	0	1	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-HEAD LENGTH	18.41	0.68	0.207X	+ 11.209	0.60	0.454
X-SAGITTAL CURVATURE	34.79	1.49	0.996Y	+ 16.449	1.33	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
HEAD BREADTH AND HEAD CIRCUMFERENCE

HEAD CIRCUMFERENCE

HEAD BREADTH	50.00	50.50	51.00	51.50	52.00	52.50	53.00	53.50	54.00	54.50	55.00	55.50	56.00	56.50	57.00	57.50	58.00	58.50	59.00	59.50	60.00	60.50	61.00	61.50	TOTALS
17.15																								1	1
16.95																									0
16.75																									0
16.55																			1						1
16.35																1									1
16.15											1	1	1	3	1		1								8
15.95											4	3	3	1	2		1	1					1		16
15.75							1		2		3	5	3	5	3	3	1	1	1				1		29
15.55							1		2	8	10	3	13	8	9	3	8	1	1		1				68
15.35					2	1	1	1	4	12	19	9	10	6	9	6	5	3	2	1					91
15.15					1	1	2	5	12	15	16	16	23	10	11	8	6	2		1					129
14.95					1	7	9	10	15	28	31	15	27	14	17	10	11	3		1	1				200
14.75			2		3	7	3	6	22	19	29	14	22	13	10	3	1		1	1					156
14.55			1	1	6	9	22	23	37	43	66	40	39	20	12	7	5	5	2		1				339
14.35			4	2	10	11	21	24	42	36	22	13	21	13	10	5	4	2							240
14.15			4	2	6	12	23	21	37	38	34	17	16	10	7	3		1		1					232
13.95				4	10	13	21	20	33	24	14	10	12	10	6	1	2								180
13.75	1	1	2	3	7	5	11	6	4	10	5	2	4	2	2										65
13.55			2	4	9	7	10	6	8	4	10	6	7	2	1	1									77
13.35			2	2	3	5	4	6	3	7	1	2	1		1										37
13.15			1	2	3	1	2	1	1	2	1	1	2	1	2										20
12.95					1		3	4	4	1	1														14
12.75					1																				1
TOTALS	1	1	18	20	63	79	134	133	226	247	267	157	204	118	103	51	45	19	8	5	3	0	2	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-HEAD BREADTH	14.52	0.59	0.158X	+ 5.847	0.54	0.430
X-HEAD CIRCUMFERENCE	54.87	1.62	1.174Y	+ 37.824	1.47	

A BIVARIATE FREQUENCY TABLE FOR
HEAD BREADTH AND BITRAGION-CORONAL CURVATURE

BITRAGION-CORONAL CURVATURE

HEAD BREADTH	28.00	28.50	29.00	29.50	30.00	30.50	31.00	31.50	32.00	32.50	33.00	33.50	34.00	34.50	35.00	35.50	36.00	36.50	37.00	37.50	38.00	38.50	39.00	TOTALS
17.15																							1	1
16.95																								0
16.75																								0
16.55													1											1
16.35														1										1
16.15													1	2		1	1	1	2					8
15.95											3	1		2	1	1	3	1	1	3				16
15.75											2	5	4	2	1	5	7	2	1					29
15.55											3	4	11	14	12	11	7		1	1	4			68
15.35									3	2	7	4	19	16	9	12	9	2	4	3	1			91
15.15							1			4	9	15	15	19	23	20	15	2	5	1				129
14.95								1	3	8	18	14	37	47	30	16	11	4	6	3	1		1	200
14.75							2	1	6	7	25	16	23	30	21	12	8	3	2					156
14.55				1			2	6	19	28	57	40	58	42	40	15	19	8	2	2				339
14.35				1			7	9	22	21	50	28	28	28	25	8	8	1	3	1				240
14.15							3	5	22	26	51	26	41	17	21	7	7	2	2	1	1			232
13.95				1	1		3	8	20	21	37	20	27	19	10	4	3	3	3					180
13.75				1	1		5	6	8	14	7	4	8	4	4		2	1						65
13.55					2		9	9	8	6	10	6	10	5	8		2	1	1					77
13.35		1		1	2		2	2	7	4	5	6		5	2									37
13.15				1	1		1	1	2		5	3	3				2		1					20
12.95				1				1		1	1	5	4		1									14
12.75				1																				1
TOTALS	1	0	0	8	7	35	49	120	142	290	197	290	253	208	112	104	31	34	15	7	0	2	1905	

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-HEAD BREADTH	14.52	0.59	0.178X	+ 8.477	0.54	0.420
X-BITRAGION-CORONAL	33.92	1.40	0.992Y	+ 19.523	1.27	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
HEAD BREADTH AND BIOCULAR BREADTH

BIOCULAR BREADTH

HEAD BREADTH	7 .95	8 .15	8 .35	8 .55	8 .75	8 .95	9 .15	9 .35	9 .55	9 .75	9 .95	10 .15	10 .35	10 .55	10 .75	10 .95	11 .15	TOT ALS
17.15														1				1
16.95																		0
16.75																		0
16.55															1			1
16.35													1					1
16.15								1	2		1	2	1	1				8
15.95									2	2	3	3	3	1		2		16
15.75							2	1	8	2	5	5	1	3	1	1		29
15.55					1	2	3	3	11	10	14	4	9	6	3	1	1	68
15.35			1		1	5	9	9	14	18	16	9	4	3	2			91
15.15			1		1	3	11	15	19	23	23	12	9	8	1	2	1	129
14.95			1			6	19	22	32	34	36	22	16	5	4	2	1	200
14.75				1	1	15	14	9	33	35	18	14	7	6	3			156
14.55			2	3	10	21	26	40	58	47	53	34	20	19	4	2		339
14.35			2	3	7	9	27	35	55	34	28	23	8	4	3	2		240
14.15		1		5	9	12	33	34	32	47	22	15	11	8	3			232
13.95		1	2	2	7	16	27	18	32	17	21	25	7	1	3	1		180
13.75	1		2	2	3	4	6	14	12	4	5	7	2	2	1			65
13.55				3	2	4	9	12	11	6	16	7	2	4	1			77
13.35		1	1	2	2	2	11	3	5	3	2	3		2				37
13.15			1		1		1		7	3	5		2					20
12.95					1	1	1	2	5	1		1	2					14
12.75							1											1
TOTALS	1	3	13	21	46	100	200	218	338	286	268	186	105	74	30	13	3	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-HEAD BREADTH	14.52	0.59	0.258X	+	12.020	0.58	0.213
X-BIOCULAR BREADTH	9.67	0.49	0.176Y	+	7.118	0.48	

A BIVARIATE FREQUENCY TABLE FOR
HEAD BREADTH AND BIAURICULAR BREADTH

BIAURICULAR BREADTH

HEAD BREADTH	13 .50	14 .00	14 .50	15 .00	15 .50	16 .00	16 .50	17 .00	17 .50	18 .00	18 .50	19 .00	19 .50	20 .00	TOT ALS
17.15														1	1
16.95															0
16.75															0
16.55										1					1
16.35								1							1
16.15				1		3		2	2						8
15.95			1		2	4	3	2	4						16
15.75				1	7	2	5	8	5	1					29
15.55			1	5	10	22	12	12	5	1					68
15.35		1	3	10	20	12	23	16	5	1					91
15.15			2	15	25	24	24	19	17	2	1				129
14.95		2	14	31	31	41	33	30	13	2	3				200
14.75		2	18	24	24	34	30	14	6	3	1				156
14.55		15	33	50	51	73	60	42	10		5				339
14.35		17	33	45	39	45	35	15	6	2	2	1			240
14.15	1	13	22	41	39	52	40	18	5	1					232
13.95	1	15	18	28	36	39	21	16	4	2					180
13.75	3	15	7	11	12	12	3	2							65
13.55	1	6	7	11	14	22	12	4							77
13.35	2	2	6	6	7	7	6	1							37
13.15	1		2	3	3	6	2	2	1						20
12.95			3	1	2	8									14
12.75						1									1
TOTALS	9	88	170	283	322	407	309	204	83	16	12	1	0	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-HEAD BREADTH	14.52	0.59	0.176X	+	11.729	0.57	0.282
X-BIAURICULAR BRDTH	15.83	0.95	0.450Y	+	9.302	0.91	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
HEAD BREADTH AND BITRAGION BREADTH

BITRAGION BREADTH

HEAD BREADTH	11.35	11.55	11.75	11.95	12.15	12.35	12.55	12.75	12.95	13.15	13.35	13.55	13.75	13.95	14.15	14.35	14.55	14.75	14.95	15.15	TOTALS
17.15																				1	1
16.95																					0
16.75																					0
16.55																1					1
16.35														1							1
16.15								.			4	2			1		1				8
15.95									2	1		7	1	1	2	1	1				16
15.75							2		4	1	6	6	2	3	3	2					29
15.55						4	1	3	10	8	4	17	9	7	3	1	1				68
15.35						3	7	1	13	12	18	21	8	5	2	1					91
15.15					3	4	6	6	19	24	29	21	6	7	2	1		1			129
14.95				1	4	4	23	21	47	36	29	25	4	5	1						200
14.75					2	3	23	27	34	32	13	14	5	3							156
14.55			1	3	8	17	65	55	82	49	25	22	5	5	2						339
14.35		1		7	17	23	46	40	43	38	14	10	1								240
14.15	1	1	2	6	25	19	52	40	48	26	3	6	3								232
13.95			2	10	15	24	48	33	32	8	3	4	1								180
13.75		1	3	11	6	13	15	7	6	2				1							65
13.55		2	4	5	17	8	17	6	11	2	5										77
13.35		2		8	7	7	5	5	1	1		1									37
13.15		1	1	2	4	1	6	3	1	1											20
12.95	1		2	4	1		3	1	1	1											14
12.75							1														1
TOTALS	2	8	15	57	109	130	320	248	354	242	153	156	45	38	16	7	3	1	0	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-HEAD BREADTH	14.52	0.59	0.698X	+	5.519	0.48	0.586
X-BITRAGION BREADTH	12.89	0.50	0.493Y	+	5.733	0.40	

A BIVARIATE FREQUENCY TABLE FOR
HEAD BREADTH AND BIZYGOMATIC BREADTH

BIZYGOMATIC BREADTH

HEAD BREADTH	10.95	11.15	11.35	11.55	11.75	11.95	12.15	12.35	12.55	12.75	12.95	13.15	13.35	13.55	13.75	13.95	14.15	14.35	14.55	14.75	14.95	TOTALS
17.15																	1					1
16.95																						0
16.75																						0
16.55																	1					1
16.35																1						1
16.15									1					3	1	1	1				1	8
15.95											1	4	1	2	1	2	2	1	2			16
15.75									1		5	2	2	8	5	4	2					29
15.55						2	1	1	2	4	5	12	7	11	8	8	4	2	1			68
15.35				1			4	3	2	4	16	12	11	17	8	9	4					91
15.15				1	2	2	1	2	10	8	10	16	23	22	17	6	5	2	1	1		129
14.95				1		2	7	4	21	24	32	25	30	34	11	6	3					200
14.75						4	6	4	10	24	32	25	18	22	8	2	1					156
14.55			1		6	14	12	12	54	51	66	54	25	24	13	3	2	2				339
14.35		2	1	3	2	8	15	18	35	40	47	39	17	10		2	1					240
14.15		3	4	11	4	12	22	12	43	28	41	23	15	9	2	3	1					232
13.95	1	1		5	2	11	10	15	41	26	38	17	8	3	1	1						180
13.75				2		5	13	6	15	8	10	3	2		1							65
13.55		2	1	5	2	12	5	11	12	8	7	4	2	6								77
13.35		1		3	1	3	5	7	7	4	4	2										37
13.15						1	5	2	6	3	1	1		1								20
12.95		1	1			2	1	3	2	1	2	1										14
12.75						1																1
TOTALS	1	10	8	31	19	79	107	100	262	233	317	240	161	172	76	48	28	7	4	1	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-HEAD BREADTH	14.52	0.59	0.511X	+	7.924	0.52	0.497
X-BIZYGOMATIC BRDTH	12.90	0.58	0.483Y	+	5.888	0.50	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
HEAD BREADTH AND BIGONIAL BREADTH

BIGONIAL BREADTH

HEAD BREADTH	8 .15	8 .35	8 .55	8 .75	8 .95	9 .15	9 .35	9 .55	9 .75	9 .95	10 .15	10 .35	10 .55	10 .75	10 .95	11 .15	11 .35	11 .55	11 .75	11 .95	12 .15	TOT ALS
17.15																	1					1
16.95																						0
16.75																						0
16.55																1						1
16.35																	1					1
16.15									1				3			1	3					8
15.95								1			2	2	2	3		2	1	1				16
15.75											8	1	7	2	8	2	1					29
15.55								5	2	8	10	7	9	7	4	9	4	2	1			68
15.35						1	1	2	6	13	18	10	14	7	9	5	1	4				91
15.15						1	3	6	4	18	16	17	17	12	18	8	2	3	2	1	1	129
14.95					1	2	5	9	10	26	41	24	39	12	17	6	7	1				200
14.75					2	6	5	8	11	31	28	16	23	12	7	2	2	3				156
14.55			1	3	6	8	8	36	27	57	50	36	47	17	21	11	4	5	1	1		339
14.35			1	1	1	6	11	19	21	42	40	34	26	16	12	7	2	1				240
14.15					7	15	11	25	17	35	47	17	30	12	8	6		2				232
13.95			1	1	3	8	8	21	18	33	31	21	18	9	5	3						180
13.75					3	4	4	12	8	16	5	3	5	2	1	2						65
13.55	1	1				4	6	12	8	20	8	2	7	5	1	1	1					77
13.35			1	2	2	3	2	8	3	5	5	1	3	1	1							37
13.15					1	2	1	3	1	4	2	2	2		1			1				20
12.95	1						2		3	2	1	1	3		1							14
12.75						1																1
TOTALS	2	1	4	7	26	61	67	167	140	310	312	194	255	116	117	66	30	23	4	2	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-HEAD BREADTH	14.52	0.59	0.356X	+	10.889	0.56	0.337
X-BIGONIAL BREADTH	10.19	0.56	0.319Y	+	5.556	0.53	

A BIVARIATE FREQUENCY TABLE FOR
HEAD BREADTH AND NASAL BREADTH

NASAL BREADTH

HEAD BREADTH	2 .35	2 .55	2 .75	2 .95	3 .15	3 .35	3 .55	3 .75	3 .95	4 .15	4 .35	4 .55	TOT ALS
17.15						1							1
16.95													0
16.75													0
16.55						1							1
16.35					1								1
16.15				3	2	1	1	1					8
15.95			2	2		3	2	4	2		1		16
15.75			1	3	11	6	5	3					29
15.55		1	3	5	19	14	15	4	4	1	2		68
15.35	1	2	2	15	22	25	14	5	4	1			91
15.15		3	15	21	41	27	15	5			2		129
14.95		8	13	33	59	48	22	11	4	2			200
14.75		5	12	30	37	38	22	6	4		1	1	156
14.55	1	6	37	83	90	58	29	18	9	6	1	1	339
14.35		5	20	49	62	52	35	8	4	3	1	1	240
14.15	3	7	35	43	76	34	20	9	3	1		1	232
13.95	1	11	23	48	47	23	10	11	5	1			180
13.75	1	3	8	16	14	17	5		1				65
13.55		3	15	15	19	13	3	4	3	2			77
13.35		4	9	7	6	6	5						37
13.15		2	4	5	5	1	2		1				20
12.95		1	3	2	5	2		1					14
12.75			1										1
TOTALS	7	61	203	380	516	370	205	90	44	17	8	4	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-HEAD BREADTH	14.52	0.59	0.315X	+	13.509	0.59	0.175
X-NASAL BREADTH	3.19	0.33	0.097Y	+	1.786	0.32	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
HEAD BREADTH AND LIP LENGTH

LIP LENGTH

HEAD BREADTH	3 .15	3 .35	3 .55	3 .75	3 .95	4 .15	4 .35	4 .55	4 .75	4 .95	5 .15	5 .35	5 .55	5 .75	TOT ALS
17.15									1						1
16.95															0
16.75															0
16.55											1				1
16.35								1							1
16.15							4	1	2	1					8
15.95					2	2	3	3		4	2				16
15.75			1	2	1	5	2	6	9	1	1		1		29
15.55			1	2	5	9	10	14	9	11	3	3		1	68
15.35				1	5	26	14	16	13	11	4	1			91
15.15		1	1	7	11	22	15	23	25	13	8	3			129
14.95	1	1	9	10	20	35	33	38	26	12	10	2	3		200
14.75			4	9	14	21	32	34	16	10	10	4	1	1	156
14.55		1	4	28	43	70	40	73	35	22	15	3	5		339
14.35	1		3	8	32	68	32	42	20	20	8	3	2	1	240
14.15	1	4	12	25	28	46	34	36	26	14	3	3			232
13.95	1	1	8	14	21	34	37	32	15	7	8	2			180
13.75			3	7	3	28	10	8	8	6					65
13.55		2	1	5	8	17	15	12	11	2	2		1	1	77
13.35	1	1	1	1	6	8	10	2	3	2		1	1		37
13.15				1	8	5	1	3	2						20
12.95		1		1	5	2	2	1	1	1					14
12.75					1										1
TOTALS	5	12	48	121	213	390	294	345	222	137	75	25	14	4	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-HEAD BREADTH	14.52	0.59	0.246X	+ 13.438	0.59	0.174
X-LIP LENGTH	4.38	0.42	0.123Y	+ 2.593	0.41	

A BIVARIATE FREQUENCY TABLE FOR
HEAD CIRCUMFERENCE AND SAGITTAL CURVATURE

SAGITTAL CURVATURE

HEAD CIRCUMFERENCE	30 .00	30 .50	31 .00	31 .50	32 .00	32 .50	33 .00	33 .50	34 .00	34 .50	35 .00	35 .50	36 .00	36 .50	37 .00	37 .50	38 .00	38 .50	39 .00	39 .50	40 .00	40 .50	41 .00	41 .50	TOT ALS
61.50																								1	1
61.00													1										1		2
60.50																									0
60.00													1	1		1									3
59.50										1			1				1			2					5
59.00											1		1	1	2	1	1		1						8
58.50										2	2	1	2	2	5	2		2	1						19
58.00							1		2	4	5	6	5	6	5	4	3	2	1		1				45
57.50							1		1	2	8	3	10	2	10	6	5	1	1		1				51
57.00					1		2	1	7	6	18	8	23	7	7	6	7	6	3		1				103
56.50						1	4	5	5	10	22	15	25	10	10	3	7		1						118
56.00					1	2	5	2	21	25	46	21	39	18	9	7	5	2	1						204
55.50					2	1	8	7	17	16	45	14	23	13	3	6	2								157
55.00					7	2	21	20	41	28	77	22	22	11	13	1	1	1							267
54.50					4	3	16	10	35	81	34	29	16	6	6	4		3							247
54.00				2	5	8	26	19	48	23	54	20	17	3	1										226
53.50			2	1	7	3	17	14	24	17	30	9	6	1	1	1									133
53.00			2		10	8	27	20	28	12	16	3	4	2		1	1								134
52.50		1	2	3	9	4	20	9	18	5	8														79
52.00		2	3		10	5	16	6	7	6	3	3	2												63
51.50			2	2	3	2	5	1	3		2														20
51.00				2	4	2	6		3		1														18
50.50	1																								1
50.00						1																			1
TOTALS	1	3	11	10	63	42	175	114	260	238	372	154	198	83	72	43	33	17	9	2	3	0	1	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-HEAD CIRCUMFERENCE	54.87	1.62	0.648X	+ 32.324	1.31	0.594
X-SAGITTAL CURVATURE	34.79	1.49	0.545Y	+ 4.884	1.20	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
HEAD CIRCUMFERENCE AND BITRAGION-CORONAL CURVATURE

BITRAGION-CORONAL CURVATURE

HEAD CIRCUMFERENCE	29.00	29.50	30.00	30.50	31.00	31.50	32.00	32.50	33.00	33.50	34.00	34.50	35.00	35.50	36.00	36.50	37.00	37.50	38.00	38.50	39.00	TOTALS
61.50																					1	1
61.00																1		1				2
60.50																						0
60.00												1	1						1			3
59.50													1		2		1	1				5
59.00											1	1			3	1	1	1				8
58.50									1		2	2	3	2	6	1	1	1				19
58.00								1	3	2	5	6	3	7	7		6	4			1	45
57.50									2	2	8	9	5	14	4	3	2	1	1			51
57.00							4	1	9	5	15	15	16	11	17	2	7		1			103
56.50						1	3	3	7	15	12	21	18	12	13	7	3	1	2			118
56.00				1		1	3	10	21	20	35	36	36	16	15	4	4	1	1			204
55.50					1	4	4	7	23	21	26	24	27	6	9	2	2	1				157
55.00					1	4	7	18	43	34	45	34	36	18	15	6	2	3	1			267
54.50				1	6	1	11	19	38	27	40	51	31	10	3	4	5					247
54.00					3	5	21	20	49	28	45	22	17	10	6							226
53.50				1	1	8	17	11	30	21	19	12	6	5	2							133
53.00			2		9	5	19	24	31	12	21	6	3	1	1							134
52.50			1	1	5	8	11	9	21	4	8	8	3									79
52.00			3	2	6	4	15	13	6	5	6	1	1		1							63
51.50	1		2	1		4	3	3	4			2										20
51.00					2	4	2	2	2	1	2	2	1									18
50.50					1																	1
50.00								1														1
TOTALS	1	0	8	7	35	49	120	142	290	197	290	253	208	112	104	31	34	15	7	0	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-HEAD CIRCUMFERENCE	54.87	1.62	0.626X + 33.630	1.36	0.542
X-BITRAGION-CORONAL	33.92	1.40	0.469Y + 8.190	1.18	

A BIVARIATE FREQUENCY TABLE FOR
HEAD CIRCUMFERENCE AND BIOCULAR BREADTH

BIOCULAR BREADTH

HEAD CIRCUMFERENCE	7.95	8.15	8.35	8.55	8.75	8.95	9.15	9.35	9.55	9.75	9.95	10.15	10.35	10.55	10.75	10.95	11.15	TOTALS
61.50														1				1
61.00											1	1						2
60.50																		0
60.00											1	1		1				3
59.50								1	1		1	1				1		5
59.00							1				2	1		2	2			8
58.50								3	7	2	1	3	1	2				19
58.00							1	3	8	7	10	5	6	3	1		1	45
57.50						2	4	3	7	10	7	5	3	5	4		1	51
57.00				2		1	2	5	9	29	13	15	14	5	6	1	1	103
56.50						1	5	9	14	19	16	23	10	7	12	1	1	118
56.00					1	2	12	13	27	26	34	37	25	15	8	3	1	204
55.50				1	1	3	9	12	16	28	26	21	19	12	5	2	2	157
55.00				1	6	4	16	29	27	40	37	37	24	27	10	7	2	267
54.50			1	1	3	7	14	27	20	43	38	33	32	14	6	4	3	1	247
54.00				1		10	11	33	24	47	35	29	21	8	5	1	1	226
53.50			1	1	1	3	10	18	19	20	26	16	10	3	3	2		133
53.00	1			1	3	5	10	18	29	27	19	13	5	1	1	1		134
52.50				1	2	4	2	14	11	14	8	9	6	3	3	1	1	79
52.00			1	3	4	2	2	10	6	15	9	8	2		1			63
51.50				1		2	3	4	5	2		2	1					20
51.00						2	2	2		4	6	2						18
50.50									1									1
50.00										1								1
TOTALS	1	3	13	21	46	100	200	218	338	286	268	186	105	74	30	13	3	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-HEAD CIRCUMFERENCE	54.87	1.62	0.848X + 46.663	1.57	0.257
X-BICCULAR BREADTH	9.67	0.49	0.078Y + 5.393	0.48	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
HEAD CIRCUMFERENCE AND BIAURICULAR BREADTH

BIAURICULAR BREADTH

HEAD CIRCUMFERENCE	13 .50	14 .00	14 .50	15 .00	15 .50	16 .00	16 .50	17 .00	17 .50	18 .00	18 .50	19 .00	19 .50	20 .00	TOTALS
61.50														1	1
61.00					1	1									2
60.50															0
60.00				1					2						3
59.50					2	1	1		1						5
59.00					1	2	3			2					8
58.50		1	1		1	4	6	5	1						19
58.00		1	2	4	4	9	8	10	6		1				45
57.50			5	7	11	9	9	5	5						51
57.00		4	3	20	14	24	19	14	5						103
56.50		3	9	9	24	30	20	15	6	2					118
56.00		2	11	28	39	52	38	17	14		2	1			204
55.50		6	20	27	17	30	23	20	9	1	4				157
55.00		8	22	34	52	59	39	33	16	2	2				267
54.50		7	25	36	44	53	49	25	5	3					247
54.00	3	12	26	38	41	38	37	20	4	4	3				226
53.50	1	7	8	30	19	33	22	11		2					133
53.00	1	15	16	22	27	20	13	14	6						134
52.50	1	5	10	10	12	22	10	8	1						79
52.00	1	9	5	12	6	16	8	4	2						63
51.50	1	4	3	2	4	2	2	2							20
51.00	1	3	4	3	3	2	2								18
50.50		1													1
50.00								1							1
TOTALS	9	88	170	283	322	407	309	204	83	16	12	1	0	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-HEAD CIRCUMFERENCE	54.87	1.62	0.372X + 48.975	1.58	0.217
X-BIAURICULAR BRDTH	15.83	0.95	0.127Y + 8.866	0.93	

A BIVARIATE FREQUENCY TABLE FOR
HEAD CIRCUMFERENCE AND BITRAGION BREADTH

BITRAGION BREADTH

HEAD CIRCUMFERENCE	11 .35	11 .55	11 .75	11 .95	12 .15	12 .35	12 .55	12 .75	12 .95	13 .15	13 .35	13 .55	13 .75	13 .95	14 .15	14 .35	14 .55	14 .75	14 .95	15 .15	TOTALS
61.50																				1	1
61.00									2												2
60.50																					0
60.00											1	1		1							3
59.50								1	1		1		1	1							5
59.00									1	2		1	2		1	1					8
58.50						1	1	2	2	6	3	2	2								19
58.00					1	1	1	2	8	7	9	6	4	1	4	1					45
57.50						2	7	4	8	12	5	8		4	1						51
57.00			1		4	5	10	12	16	15	11	16	4	5	1	1	2				103
56.50					5	1	12	18	24	13	13	18	6	5	1	2					118
56.00				2	9	12	25	18	36	34	27	24	8	7	2						204
55.50				2	6	12	19	23	32	21	18	15	3	1	4		1				157
55.00			1	2	8	17	50	40	52	30	30	22	8	4	2			1			267
54.50		1	1	8	12	17	46	37	47	34	15	20	2	6		1					247
54.00			3	15	14	14	46	32	47	31	7	10	4	2		1					226
53.50			1	7	13	13	36	12	25	17	4	4	1								133
53.00	1	1	4	9	14	10	26	26	25	6	6	5		1							134
52.50		2	1	3	12	8	20	11	11	7	1	3									79
52.00	1	1	1	4	6	10	14	5	14	5	1	1									63
51.50		1	2	3	2	5	3	1	2	1											20
51.00		2		1	3	2	4	3	1	1	1										18
50.50								1													1
50.00				1																	1
TOTALS	2	8	15	57	109	130	320	248	354	242	153	156	45	38	16	7	3	1	0	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-HEAD CIRCUMFERENCE	54.87	1.62	1.325X + 37.787	1.48	0.408
X-BITRAGION BREADTH	12.89	0.50	0.126Y + 5.976	0.46	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
HEAD CIRCUMFERENCE AND BIZYGOMATIC BREADTH

BIZYGOMATIC BREADTH

HEAD CIRCUMFERENCE	10 .95	11 .15	11 .35	11 .55	11 .75	11 .95	12 .15	12 .35	12 .55	12 .75	12 .95	13 .15	13 .35	13 .55	13 .75	13 .95	14 .15	14 .35	14 .55	14 .75	14 .95	TOT ALS
61.50																	1					1
61.00											1					1						2
60.50																						0
60.00									1			1				1						3
59.50						1					1	1	1					1				5
59.00							1		1					1	1	1	2	1				8
58.50							2		4		5	2	3	1	2							19
58.00					1		2	1	4	6	4	4	5	7	3	5	1		1		1	45
57.50				1		1	1	3	8	3	8	5	6	9	2	2	2					51
57.00				2	1	4	4	2	7	5	19	14	10	22	7	2	2	1	1			103
56.50					1	2	5	5	13	12	16	19	8	14	11	6	4	2				118
56.00		1		2	2	5	7	12	25	19	31	26	22	26	15	7	4					204
55.50			1	1	1	4	8	8	20	20	18	31	16	15	4	6	3		1			157
55.00		1	2	4	3	7	7	8	32	41	50	32	27	20	18	8	4	1	1	1		267
54.50		2		4	4	10	14	12	27	35	48	38	18	23	6	3	2	1				247
54.00		2	2	5	3	12	11	17	30	28	42	28	19	18	4	3	2					226
53.50		1	2	4	1	9	11	9	21	20	26	13	9	7								133
53.00		1	1	5	1	9	10	9	32	16	21	14	8	3	2	1	1					134
52.50	1	1				3	11	8	14	9	17	7	3	3	1	2							79
52.00		1		1		10	4	2	17	13	4	4	5	2								63
51.50					1	2	5	2	3	4	2	1										20
51.00				2			4	2	3	2	3		1	1								18
50.50							1															1
50.00											1											1
TOTALS	1	10	8	31	19	79	107	108	262	233	317	240	161	172	76	48	28	7	4	1	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-HEAD CIRCUMFERENCE	54.87	1.62	0.839X	+	44.043	1.55	0.299
X-BIZYGOMATIC BRDTH	12.90	0.58	0.106Y	+	7.083	0.55	

A BIVARIATE FREQUENCY TABLE FOR
HEAD CIRCUMFERENCE AND BIGONIAL BREADTH

BIGONIAL BREADTH

HEAD CIRCUMFERENCE	8 .15	8 .35	8 .55	8 .75	8 .95	9 .15	9 .35	9 .55	9 .75	9 .95	10 .15	10 .35	10 .55	10 .75	10 .95	11 .15	11 .35	11 .55	11 .75	11 .95	12 .15	TOT ALS
61.50																	1					1
61.00								1					1									2
60.50																						0
60.00										1				1		1						3
59.50										1	1		1	1						1		5
59.00									1		1				2	1		2	1			8
58.50						2		2	1	2	2	1	3	2	3		1					19
58.00						1	1	4	2	7	4	1	9	3	6	2	5					45
57.50					1	1		2	2	8	9	7	7	4	5	3	1	1				51
57.00					2	1	3	7	7	8	16	13	15	11	10	4	2	4				103
56.50				1	3	5	1	7	3	15	20	12	17	11	14	6	1	1	1			118
56.00			1			6	5	19	18	31	38	20	24	9	14	8	7	3	1	1		204
55.50			1	1	4	7	2	7	8	28	27	12	29	8	6	6	5	5	1			157
55.00		1			1	6	12	27	21	40	38	27	46	16	13	13	4	1			1	267
54.50				2	4	7	9	16	19	37	48	34	29	12	19	7	2	2				247
54.00				2	3	6	11	22	17	36	40	24	22	18	15	7	1	2				226
53.50			1	1	1	6	5	11	12	27	26	12	21	4	4	1		1				133
53.00	2				5	3	10	16	12	24	23	12	14	9	1	3						134
52.50			1			3	3	8	6	21	8	12	7	5	3	1		1				79
52.00					2	4	4	9	6	12	9	6	5	2	2	2						63
51.50						4		7	2	3	2		2									20
51.00							1	2	3	7		1	3			1						18
50.50										1												1
50.00										1												1
TOTALS	2	1	4	7	26	61	67	167	140	310	312	194	255	116	117	66	30	23	4	2	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-HEAD CIRCUMFERENCE	54.87	1.62	0.615X	+	48.601	1.59	0.213
X-BIGONIAL BREADTH	10.19	0.56	0.074Y	+	6.126	0.55	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
TRAGION TO TOP OF HEAD AND TRAGION TO WALL

TRAGION TO WALL

TRAGION TO TOP OF HEAD	7 .50	8 .00	8 .50	9 .00	9 .50	10 .00	10 .50	11 .00	11 .50	12 .00	12 .50	13 .00	13 .50	14 .00	14 .50	TOT ALS
16.00									1							1
15.50									1	2						3
15.00						2		1	2	3	1	2				11
14.50				1	3	7	6	15	8	4	3		2		1	50
14.00			3	5	13	19	14	32	10	16	3	2	1			118
13.50		1	3	19	41	68	40	45	18	11	3	3	1	2		255
13.00	2	3	6	54	74	132	87	56	18	17	5	1	3			458
12.50		3	18	49	87	123	91	48	15	10	1	2	2			449
12.00		3	9	62	81	124	77	30	7	4	4	2				403
11.50		2	4	14	27	38	19	14	5							123
11.00			1	6	9	7	4	1	1							29
10.50					4	1										5
TOTALS	2	12	44	210	339	521	338	242	86	67	20	12	9	2	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-TRAGION-TOP HEAD	12.73	0.76	0.268X	+	9.999	0.73	0.315
X-TRAGION TO WALL	10.17	0.98	0.371Y	+	5.451	0.85	

A BIVARIATE FREQUENCY TABLE FOR
ECTOCANTHUS TO TOP OF HEAD AND ECTOCANTHUS TO WALL

ECTOCANTHUS TO WALL

ECTOCANTHUS TO TOP OF HEAD	13 .50	14 .00	14 .50	15 .00	15 .50	16 .00	16 .50	17 .00	17 .50	18 .00	18 .50	19 .00	19 .50	20 .00	20 .50	21 .00	TOT ALS
15.50										2		1					3
15.00					1				1			1					3
14.50						1	1	1	3	2			1				9
14.00			1		1	2	11	5	6	2	4	1				1	34
13.50				2	4	10	12	8	15	8	3						62
13.00		1	3	6	20	23	17	32	24	12	7	4	1		1		151
12.50	1		2	15	32	45	62	37	33	20	11	4			1		263
12.00		1	4	29	74	91	78	68	44	12	5	7	3	1			417
11.50	1	5	6	43	53	87	84	50	29	8	3	3					372
11.00		1	14	38	65	88	75	40	12	13	2	1	1	1			351
10.50		2	7	20	33	47	29	20	7	2	2						169
10.00		1	2	7	12	23	8	5	3			1					62
9.50				3	1	2											6
9.00				1	1			1									3
TOTALS	2	11	39	164	297	419	377	267	177	81	37	23	6	2	2	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-ECTOCANTHUS-TOP HD	11.76	0.92	0.290X	+	7.019	0.88	0.305
X-ECTOCANTHUS-WALL	16.37	0.97	0.322Y	+	12.577	0.92	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
PRONASALE TO TOP OF HEAD AND PRONASALE TO WALL

PRONASALE TO WALL

PRONASALE TO TOP OF HEAD	18 .50	19 .00	19 .50	20 .00	20 .50	21 .00	21 .50	22 .00	22 .50	23 .00	23 .50	24 .00	24 .50	25 .00	TOT ALS
19.50										1					1
19.00										1					1
18.50				1		1		1	1	1	1				6
18.00		1	2		2	4	2	3	4						18
17.50			1	1	1	4	9	5	1	1	3				26
17.00	1			5	7	10	3	10	1	4	1	3	1		46
16.50	1	1	4	11	10	17	16	17	7	5	2			1	92
16.00		3	3	14	25	46	24	26	17	7	4	2			171
15.50		2	7	34	41	51	27	31	21	10	1	3	3		231
15.00		4	16	35	63	83	60	55	25	9	3	1	1		355
14.50		3	13	27	47	83	49	43	28	11	1	2	1	2	310
14.00		3	9	33	53	92	43	35	13	10	3	2			296
13.50	1	2	3	24	26	46	20	25	9	5	2	1	1		165
13.00		2	9	20	22	31	16	12	9	2	1				124
12.50			4	4	11	13	11	3		1		1			48
12.00				3	4	3	1	1							12
11.50					1										1
11.00					1		1								2
TOTALS	3	21	71	212	314	484	282	267	136	68	22	15	7	3	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-PRONASALE-TOP HEAD	14.76	1.17	0.166X + 11.243	1.16	0.137
X-PRONASALE TO WALL	21.19	0.96	0.112Y + 19.536	0.95	

A BIVARIATE FREQUENCY TABLE FOR
SUBNASALE TO TOP OF HEAD AND SUBNASALE TO WALL

SUBNASALE TO WALL

SUBNASALE TO TOP OF HEAD	17 .00	17 .50	18 .00	18 .50	19 .00	19 .50	20 .00	20 .50	21 .00	21 .50	22 .00	22 .50	23 .00	23 .50	24 .00	TOT ALS
20.50									1							1
20.00										1	1					2
19.50									1	2						3
19.00			2			2	2	3	1							10
18.50	1	1	1	3	4	5	5	2		3	1					26
18.00			2	7	3	8	15	11	5	4	3	2	1		1	62
17.50		2	7	7	15	17	21	11	8	4	1	3	1	1		98
17.00	1	1	2	23	40	39	43	25	18	7	2		1			202
16.50	1	6	15	31	47	58	51	31	26	13	4	1	2			286
16.00		7	17	48	59	88	70	36	22	10	4	2	2			365
15.50		4	9	39	54	84	52	31	19	12	4			1		309
15.00	1	4	8	23	59	64	60	28	18	6	5	1		1		278
14.50		5	7	17	33	34	17	16	14	3	2		1			149
14.00			5	12	19	18	14	7	2	1	1	1		1		81
13.50				3	6	3	4	2		2		1				21
13.00				2	2	2	5									11
12.50						1										1
TOTALS	4	30	75	215	341	423	359	203	135	68	28	11	6	4	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-SUBNASALE-TOP HEAD	15.91	1.10	0.124X + 13.474	1.09	0.111
X-SUBNASALE TO WALL	19.66	0.98	0.099Y + 18.087	0.98	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
STOMION TO TOP OF HEAD AND LIP PROTRUSION TO WALL

LIP PROTRUSION TO WALL

STOMION TO TOP OF HEAD	17 .00	17 .50	18 .00	18 .50	19 .00	19 .50	20 .00	20 .50	21 .00	21 .50	22 .00	22 .50	23 .00	23 .50	24 .00	TOT ALS
23.00										1						1
22.50																0
22.00									1			1				2
21.50										1						1
21.00			3		2	2	3	1	2							13
20.50		1	1	3	2	6	1	1	2	1	1			1		20
20.00	4	2	4	10	13	4	12	5	2			2			1	59
19.50	2	6	11	7	11	16	15	12	7	3	3	2				95
19.00	2	3	16	21	28	38	31	18	9	4	4	1				175
18.50	2	9	34	45	54	39	33	29	9	2	7	2	1	1		267
18.00	4	21	45	53	80	57	49	26	19	8	3	1	1		1	368
17.50	4	11	38	45	70	57	27	30	16	5	1	2				306
17.00	4	7	23	45	76	57	43	18	8	8	2		1		1	293
16.50	4	5	21	27	34	26	24	16	5	5						167
16.00		2	15	18	20	18	10	3	3						1	90
15.50			3	10	6	4	4	2	1	1						31
15.00			1	3	5	2	2									13
14.50				1	1		1		1							4
TOTALS	26	67	215	288	402	326	255	161	85	39	21	11	3	2	4	1905

SUMMARY STATISTICS

	MEAN	STO DEV	REGRESSION EQUATIONS	SE-EST	R
Y-STOMION-TOP HEAD	17.83	1.12	0.103X + 15.638	1.12	0.097
X-LIP PROTRUSION-WALL	19.30	1.06	0.091Y + 17.679	1.05	

A BIVARIATE FREQUENCY TABLE FOR
MENTON TO TOP OF HEAD AND MENTON TO WALL

MENTON TO WALL

MENTON TO TOP OF HEAD	15 .00	15 .50	16 .00	16 .50	17 .00	17 .50	18 .00	18 .50	19 .00	19 .50	20 .00	20 .50	21 .00	21 .50	22 .00	22 .50	23 .00	TOT ALS
27.00										1								1
26.50											2							2
26.00											1							1
25.50											1							1
25.00			1		3		3		1	1	2							11
24.50				4		4	3	8	3	1		1	1		1			26
24.00		1	3	3	4	13	8	10	7	4	5	3	1					62
23.50		1	4	9	17	18	14	16	12	7	11	4			1			114
23.00	1	2	6	11	21	30	48	29	25	12	11	5	4	1	1	1		208
22.50		5	8	19	20	36	44	60	37	18	14	4	5	1	1		1	273
22.00		3	10	16	40	55	72	52	48	30	24	13	3	3		1		370
21.50		1	8	9	39	52	55	39	22	20	13	5	2	1	1			267
21.00		1	5	17	24	49	51	61	27	20	11	5				1	1	273
20.50			2	6	16	27	39	28	18	15	10	2	1		1	1		166
20.00	1		1	1	8	15	21	10	11	6	6	4						84
19.50				1	2	4	3	4	1	5			2					22
19.00					1	4	2	6	5	2								20
18.50								1	1	1					1			4
TOTALS	2	14	48	96	195	307	363	324	218	143	111	46	19	6	7	4	2	1905

SUMMARY STATISTICS

	MEAN	STO DEV	REGRESSION EQUATIONS	SE-EST	R
Y-MENTON-TOP HEAD	21.91	1.14	-0.009X + 22.071	1.14	-0.009
X-MENTON TO WALL	18.23	1.14	-0.009Y + 18.430	1.14	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
BIAURICULAR BREADTH AND BITRAGION BREADTH

BITRAGION BREADTH

BIAURICULAR BREADTH	11.35	11.55	11.75	11.95	12.15	12.35	12.55	12.75	12.95	13.15	13.35	13.55	13.75	13.95	14.15	14.35	14.55	14.75	14.95	15.15	TOTALS
20.00																				1	1
19.50																					0
19.00								1													1
18.50							1	1	6		1	2						1			12
18.00							2		1	2	2	5	1	1		2					16
17.50					1	4	8	6	16	12	9	14	2	6	2	1	2				83
17.00		1		2	3	3	25	24	39	37	20	32	7	7	3	1					204
16.50		1		5	9	7	38	37	76	51	33	33	8	3	6	1	1				309
16.00	1		1	12	28	27	73	48	76	53	34	25	14	12	3						407
15.50		1	3	8	15	29	52	49	54	37	32	25	9	4	2	2					322
15.00			4	11	19	28	58	40	48	36	15	15	4	5							283
14.50	1	3	3	6	17	17	44	30	30	8	6	5									170
14.00		2	3	11	15	12	18	12	8	6	1										88
13.50			1	2	2	3	1														9
TOTALS	2	8	15	57	109	130	320	248	354	242	153	156	45	38	16	7	3	1	0	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-BIAURICULAR BRDTH	15.83	0.95	0.713X	+	6.644	0.88	0.375
X-BITRAGION BREADTH	12.89	0.50	0.198Y	+	9.754	0.46	

A BIVARIATE FREQUENCY TABLE FOR
LIP LENGTH AND MENTON-SUBNASALE LENGTH

MENTON-SUBNASALE LENGTH

LIP LENGTH	3.95	4.15	4.35	4.55	4.75	4.95	5.15	5.35	5.55	5.75	5.95	6.15	6.35	6.55	6.75	6.95	7.15	7.35	7.55	TOTALS
5.75									2	1			1							4
5.55							1	2	2	3	2		1	1	2					14
5.35				1		1	4	2	4	2	3	5	1	1		1				25
5.15				2	1	1	15	12	9	11	10	8	3	1	1			1		75
4.95	1	1	1	3	10	8	13	17	16	21	19	13	9	1		3	1			137
4.75		1	2	7	9	17	23	35	27	32	29	22	9	7	2					222
4.55	1	2	4	7	16	26	38	53	53	45	44	26	18	6	5				1	345
4.35	2	3	3	8	11	22	41	41	57	30	37	21	7	2	5	4				294
4.15	1		6	8	16	37	47	69	66	48	44	25	6	9	6	2				390
3.95			5	6	10	19	28	30	46	18	26	10	6	4	3	2				213
3.75		1	1	2	2	12	16	19	26	12	19	5	3	2		1				121
3.55				1	2	3	6	6	9	6	11	2	1		1					48
3.35							1	1	4	2	2	1	1							12
3.15					1	1	1				1	1								5
TOTALS	5	8	22	45	78	147	234	287	321	231	247	139	66	34	25	13	1	1	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-LIP LENGTH	4.38	0.42	0.058X	+	4.057	0.42	0.070
X-MENTON-SUBNASALE L	5.54	0.51	0.085Y	+	5.169	0.51	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
LIP LENGTH AND MENTON-SELLION LENGTH

MENTON-SELLION LENGTH

LIP LENGTH	8 .75	8 .95	9 .15	9 .35	9 .55	9 .75	9 .95	10 .15	10 .35	10 .55	10 .75	10 .95	11 .15	11 .35	11 .55	11 .75	11 .95	12 .15	12 .35	12 .55	12 .75	TOT ALS
5.75							1	1	1			1										4
5.55						1			3	3			1	2		2		1	1			14
5.35							4	2	2	4	2	4		4	2		1					25
5.15						4	2	5	10	9	12	5	12	4	3	5	3	1				75
4.95				3	3	3	10	11	17	12	24	16	12	10	7	2	5	1	1			137
4.75			1	3	5	4	24	16	30	21	26	21	28	13	12	11	6	1				222
4.55	1	1	5	4	9	13	29	25	54	31	47	35	33	21	15	11	4	2	2	1	2	345
4.35		4	2	5	4	10	16	24	47	37	43	29	34	18	6	9	3	3				294
4.15	1	1	1	10	12	21	35	40	49	44	53	45	30	23	11	7	4	2	1			390
3.95		1	4	5	6	11	15	23	22	36	27	27	15	10	5	2	1	1	2			213
3.75	1		1	2	4	2	12	18	16	20	13	8	8	5	5	5	1					121
3.55				1		4	4	7	6	8	4	5	3	2	2	2						48
3.35						1		1	2	2	3	2	1									12
3.15								1	2				1	1								5
TOTALS	3	7	14	33	43	74	152	174	261	227	254	198	178	113	68	56	28	12	7	1	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-LIP LENGTH	4.38	0.42	0.088X	+	3.443	0.42	0.128
X-MENTON-SELLION LTH	10.63	0.61	0.186Y	+	9.814	0.61	

A BIVARIATE FREQUENCY TABLE FOR
EAR LENGTH AND EAR BREADTH

EAR BREADTH

EAR LENGTH	1 .95	2 .15	2 .35	2 .55	2 .75	2 .95	3 .15	3 .35	3 .55	3 .75	3 .95	4 .15	TOT ALS
6.95									1				1
6.75						2		1					3
6.55					1		1			1			3
6.35						4	4	2	5				15
6.15				1	6	7	11	5	2		1	1	34
5.95				7	16	29	23	23	13	2			113
5.75		1	4	6	11	40	26	20	19	1			128
5.55	1	2	5	21	47	64	76	40	31	6	2	1	296
5.35		3	10	26	70	78	71	46	16	4	1		325
5.15		4	19	36	63	90	91	45	17	4			369
4.95	3	7	15	36	58	85	49	18	10	4	1		286
4.75		1	5	23	35	41	26	11	6	1			149
4.55	1	9	5	15	20	20	19	4	2	2			97
4.35		2	5	15	13	11	7	2	1				56
4.15		1	2	5	2	4	5	2					21
3.95	1				1	2							4
3.75		1	1	1									3
3.55	1			1									2
TOTALS	7	31	71	193	343	477	409	219	123	25	5	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-EAR LENGTH	5.24	0.44	0.383X	+	4.095	0.43	0.288
X-EAR BREADTH	2.98	0.33	0.216Y	+	1.850	0.32	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
WAIST HEIGHT, OVER FOUNDATION GARMENT AND ABDOMINAL EXTENSION HEIGHT, OVER FOUNDATION GARMENT

ABDOMINAL EXTENSION HEIGHT, OVER FOUNDATION GARMENT

WAIST HEIGHT, OVER FOUNDATION GARMENT	79 .25	81 .25	83 .25	85 .25	87 .25	89 .25	91 .25	93 .25	95 .25	97 .25	99 .25	101 .25	103 .25	105 .25	107 .25	TOT ALS
115.25														2	1	3
113.25													2	1	3	6
111.25											3	2	12	1		18
109.25										3	18	21	3			45
107.25								3	3	31	43	15	1			96
105.25								16	35	64	40	3				158
103.25						3	15	64	92	51	5					230
101.25					1	10	59	133	55	9						267
99.25				1	5	54	116	77	7							260
97.25			1	3	35	86	65	9	1							200
95.25			2	18	52	47	13									132
93.25			8	30	21	5										64
91.25		1	10	11	2											24
89.25	1	4	4													9
87.25	1															1
TOTALS	2	5	25	63	116	205	268	302	193	158	109	41	18	4	4	1513

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-WAIST HEIGHT, OFG	100.80	4.40	0.948X + 12.785	1.64	0.928
X-ABDOM EXT HGT, OFG	92.84	4.31	0.909Y + 1.215	1.60	

A BIVARIATE FREQUENCY TABLE FOR
WAIST CIRCUMFERENCE OVER F'D'N GARMENT AND ABDOMINAL EXTENSION CIRCUMFERENCE OVER F'D'N GARMENT

ABDOMINAL EXTENSION CIRCUMFERENCE, OVER FOUNDATION GARMENT

WAIST CIRCUMFERENCE, OVER FOUNDATION GARMENT	70 .50	73 .00	75 .50	78 .00	80 .50	83 .00	85 .50	88 .00	90 .50	93 .00	95 .50	98 .00	100 .50	103 .00	105 .50	108 .00	110 .50	113 .00	115 .50	118 .00	TOT ALS
89.25																		1			1
87.25																	1	1	1		3
85.25															3		2		1		6
83.25												1	1					2			4
81.25											1	1	1	6	3					1	13
79.25												3	3	4	3	4	1	1	1	1	21
77.25									1	2	8	7	6	3	4	1			1	1	34
75.25							1			2	7	9	6	3	5						33
73.25								2	4	12	15	21	11	10	5	1					81
71.25						1	2	5	11	15	22	17	14	2	1						90
69.25					1		8	17	29	48	24	19	6	2	2	1					157
67.25				1	3	9	24	42	53	45	29	14	6								226
65.25				4	3	13	48	56	52	38	14	6	2								236
63.25			1	5	13	46	58	61	40	22	5	2	1								254
61.25		2	5	14	34	57	46	28	16	6	2										210
59.25			6	19	24	26	16	8	2	1											102
57.25		2	5	6	10	8	6	1													38
55.25		1	1		1	1															4
TOTALS		5	18	49	89	161	209	220	207	190	120	97	58	28	26	15	5	4	5	4	3 1513

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-WAIST CIRCUM, OFG	66.23	5.28	0.601X + 13.660	2.97	0.827
X-ABDOM EXT CIRC,OFG	87.48	7.26	1.138Y + 12.103	4.08	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
WAIST CIRCUMFERENCE, OVER FOLNDATION GARMENT AND WAIST BREADTH, OVER FOUNDATION GARMENT

WAIST BREADTH, OVER FOUNDATION GARMENT

WAIST CIRCUMFERENCE, OVER FOUNDATION GARMENT	17 .75	18 .75	19 .75	20 .75	21 .75	22 .75	23 .75	24 .75	25 .75	26 .75	27 .75	28 .75	29 .75	30 .75	TOT ALS
89.25														1	1
87.25									1		2				3
85.25										2	1	1	2		6
83.25									1	3					4
81.25							3	4	3	1	1	1			13
79.25								6	12	2	1				21
77.25							9	14	7	3	1				34
75.25					2	6	16	6	1	2					33
73.25				1	4	18	25	23	10						81
71.25					14	42	26	7	1						90
69.25				11	60	60	20	5	1						157
67.25			6	56	96	62	6								226
65.25		3	33	110	70	18	2								236
63.25		18	96	107	29	4									254
61.25	6	48	102	43	7	3	1								210
59.25	15	41	33	10	3										102
57.25	15	19	3		1										38
55.25	1	2	1												4
TOTALS	37	131	274	338	286	213	108	65	37	13	6	2	2	1	1513

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-WAIST CIRCUM, OFG	66.23	5.28	2.462X	+	13.562	2.37	0.894
X-WAIST BREADTH, OFG	21.39	1.92	0.324Y	-	0.066	0.86	

A BIVARIATE FREQUENCY TABLE FOR
WAIST CIRCUMFERENCE, OVER FOUNDATION GARMENT AND WAIST DEPTH, OVER FOUNDATION GARMENT

WAIST DEPTH, OVER FOUNDATION GARMENT

WAIST CIRCUMFERENCE, OVER FOUNDATION GARMENT	11 .75	12 .75	13 .75	14 .75	15 .75	16 .75	17 .75	18 .75	19 .75	20 .75	21 .75	22 .75	23 .75	24 .75	TOT ALS
89.25														1	1
87.25											2			1	3
85.25								1		1		2	1	1	6
83.25								1		1	1	1			4
81.25								2	2	2	5	2			13
79.25							2	3	7	7	1	1			21
77.25						2	5	12	9	2	3	1			34
75.25						5	10	10	5	3					33
73.25				1	10	16	26	18	7	3					81
71.25				5	16	39	21	8	1						90
69.25				20	58	55	19	5							157
67.25		1	9	42	107	53	13	1							226
65.25		2	17	81	109	24	3								236
63.25		11	60	106	66	10	1								254
61.25		17	93	74	23	2	1								210
59.25	2	26	56	16	2										102
57.25	1	21	16												38
55.25	1	2	1												4
TOTALS	4	80	252	345	391	206	101	61	31	19	12	7	1	3	1513

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-WAIST CIRCUM, OFG	66.23	5.28	2.485X	+	27.345	2.61	0.869
X-WAIST DEPTH, OFG	15.65	1.85	0.304Y	-	4.486	0.91	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
ABDOMINAL EXTENSION CIRCUMFERENCE,OFG AND HIP CIRCUMFERENCE-SEVEN INCHES BELOW WAIST-OFG

HIP CIRCUMFERENCE-SEVEN INCHES BELOW WAIST, OVER FOUNDATION GARMENT

ABDOMINAL EXTENSION CIRCUMFERENCE, OVER FOUNDATION GARMENT	77 .25	79 .25	81 .25	83 .25	85 .25	87 .25	89 .25	91 .25	93 .25	95 .25	97 .25	99 .25	101 .25	103 .25	105 .25	107 .25	109 .25	111 .25	113 .25	115 .25	117 .25	119 .25	TOT ALS
118.00																				1	1	1	3
115.50																				3	1		4
113.00																1		1	1	1	1		5
110.50																	1	2	1				4
108.00																1	2	2					5
105.50														2	5	3	4	1					15
103.00													2	5	12	6		1					26
100.50											1	2	8	11	5	1							28
98.00									1	2	7	20	17	9	2								58
95.50								1	1	6	35	27	15	7	4		1						97
93.00								1	10	32	43	22	9	3									120
90.50							1	19	47	60	40	16	7										190
88.00						1	10	46	64	56	19	9	2										207
85.50					1	9	32	66	60	35	13	1	3										220
83.00			1	1	7	34	48	57	36	17	6	2											209
80.50				5	18	44	52	30	9	3													161
78.00			3	11	20	23	15	12	3	2													89
75.50		1	2	9	18	8	5	5	1														49
73.00			5	4	5	2	2																18
70.50	1				1	3																	5
TOTALS	1	1	11	30	70	124	165	237	232	213	164	99	63	37	28	12	8	7	2	5	3	1	1513

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-ABDOM EXT CIRC,OFG	87.48	7.26	1.144X	-	19.734	3.32	0.890
X-HIP C-7" BLW W,OFG	93.71	5.65	0.691Y	+	33.269	2.58	

A BIVARIATE FREQUENCY TABLE FOR
ABDOMINAL EXTENSION CIRCUMFERENCE,OFG AND BUTTOCK CIRCUMFERENCE, SITTING-CFG

BUTTOCK CIRCUMFERENCE, SITTING, OVER FOUNDATION GARMENT

ABDOMINAL EXTENSION CIRCUMFERENCE, OVER FOUNDATION GARMENT	83 .25	85 .25	87 .25	89 .25	91 .25	93 .25	95 .25	97 .25	99 .25	101 .25	103 .25	105 .25	107 .25	109 .25	111 .25	113 .25	115 .25	117 .25	119 .25	121 .25	123 .25	125 .25	127 .25	129 .25	TOT ALS
118.00																					1		1	1	3
115.50																		1		2		1			4
113.00																1			1		2		1		5
110.50																		2	1	1					4
108.00														1		2	1	1							5
105.50													2	1	5	2	4	1							15
103.00													3	5	7	5	4	1	1						26
100.50												3	5	12	5	2	1								28
98.00									2	2	5	18	18	7	6										58
95.50								3	5	11	23	23	17	8	5	1		1							97
93.00								5	14	27	34	20	11	6	2	1									120
90.50							10	21	42	47	38	22	6	3	1										190
88.00					1	5	18	44	65	35	17	17	5												207
85.50				1	6	11	40	38	68	33	13	7	3												220
83.00			1	2	17	33	51	43	34	17	6	4		1											209
80.50			3	7	25	45	45	21	12	2		1													161
78.00			7	13	13	27	11	9	5	4															89
75.50	1	2	2	12	16	8	4	2	2																49
73.00		2	5	2	5	3			1																18
70.50			1		3		1																		5
TOTALS	1	4	19	37	86	132	180	186	250	178	136	115	70	43	32	12	11	7	4	3	3	1	2	1	1513

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-ABDOM EXT CIRC,OFG	87.48	7.26	1.022X	-	14.336	3.73	0.858
X-BUTTOCK C, SIT,OFG	99.62	6.10	0.721Y	+	36.550	3.13	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
HIP CIRCUMFERENCES -SEVEN AND NINE INCHES BELOW WAIST LEVEL -AS MEASURED OFG

HIP CIRCUMFERENCE-NINE INCHES BELOW WAIST, OVER FOUNDATION GARMENT

HIP CIRCUMFERENCE-SEVEN INCHES BELOW WAIST, OVER FOUNDATION GARMENT	77.25	79.25	81.25	83.25	85.25	87.25	89.25	91.25	93.25	95.25	97.25	99.25	101.25	103.25	105.25	107.25	109.25	111.25	113.25	115.25	117.25	119.25	TOTALS
119.25																						1	1
117.25																				2		1	3
115.25																		1		2	2		5
113.25																			2				2
111.25																		4	2	1			7
109.25																	1	2	4		1		8
107.25															1	3	4	3	1				12
105.25															5	9	12	2					28
103.25														3	16	15	2	1					37
101.25													4	17	25	15	2						63
99.25												6	27	51	15								99
97.25											4	46	83	28	3								164
95.25									3	5	55	99	48	3									213
93.25									6	58	108	55	5										232
91.25								19	66	111	37	4											237
89.25							1	9	45	74	34	2											165
87.25							6	39	61	14	4												124
85.25				1	2	22	37	6	2														70
83.25				4	9	11	5	1															30
81.25			2	6	3																		11
79.25			1																				1
77.25	1																						1
TOTALS	1	3	11	14	40	90	132	165	212	206	210	167	102	65	42	21	8	10	4	6	2	2	1513

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-HIP C-7" BLW W,OFG	93.71	5.65	0.936X	+	4.517	1.45	0.967
X-HIP C-9" BLW W,OFG	95.30	5.83	0.998Y	+	1.770	1.49	

A BIVARIATE FREQUENCY TABLE FOR
WAIST BREADTH, OVER FOUNDATION GARMENT AND WAIST DEPTH, OVER FOUNDATION GARMENT

WAIST DEPTH, OVER FOUNDATION GARMENT

WAIST BREADTH, OVER FOUNDATION GARMENT	11.75	12.75	13.75	14.75	15.75	16.75	17.75	18.75	19.75	20.75	21.75	22.75	23.75	24.75	TOTALS
30.75														1	1
29.75													1	1	2
28.75								1		1					2
27.75								1	1		3	1			6
26.75						2		4	2	2		3			13
25.75					3	4	5	7	8	7	2			1	37
24.75				2	7	11	17	7	8	6	5	2			65
23.75			1	7	24	25	22	20	6		2	1			108
22.75		2	10	29	63	53	36	15	3	2					213
21.75		4	24	64	107	66	14	4	2	1					286
20.75	1	13	54	115	114	32	6	2	1						338
19.75	2	22	83	97	59	10	1								274
18.75	1	29	56	30	13	2									131
17.75		10	24	1	1	1									37
TOTALS	4	80	252	345	391	206	101	61	31	19	12	7	1	3	1513

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-WAIST BREADTH, OFG	21.39	1.92	0.776X	+	9.250	1.27	0.747
X-WAIST DEPTH, OFG	15.65	1.85	0.720Y	+	0.246	1.23	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
HIP BREADTH-OFG AND THIGH-TO-THIGH BREADTH, SITTING-OFG

THIGH-TO-THIGH BREADTH, SITTING, OVER FOUNDATION GARMENT

HIP BREADTH, OVER FOUNDATION GARMENT

	28 .75	29 .75	30 .75	31 .75	32 .75	33 .75	34 .75	35 .75	36 .75	37 .75	38 .75	39 .75	40 .75	41 .75	42 .75	43 .75	44 .75	45 .75	46 .75	47 .75	48 .75	TOT ALS
42.75																	1		1		1	3
41.75																			2			2
40.75																1		2				3
39.75															2		2	4				8
38.75											1	1		4	8	7	2					23
37.75											1	4	9	15	9	4	1					43
36.75									1		7	28	22	14	7	3	1					83
35.75									7	19	45	52	33	7	2							165
34.75							1	4	32	63	75	33	13	3	1							225
33.75				1			9	43	91	95	51	11	3									304
32.75					2	12	39	88	80	24	8	2	1									256
31.75				1	3	44	74	68	22	9	2	1										224
30.75				4	21	38	30	14	3	1												111
29.75			1	12	14	13	4	1														45
28.75	1		2	7	2	2																14
27.75			1	3																		4
TOTALS	1	0	4	28	42	109	157	218	236	211	190	132	81	43	29	15	7	6	3	0	1	1513

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-HIP BREADTH, OFG	33.67	2.14	0.729X	+ 6.520	0.93	0.900
X-THI-THI BR,SIT,OFG	37.25	2.65	1.111Y	- 0.164	1.15	

A BIVARIATE FREQUENCY TABLE FOR
STATURE AS REPORTED BY SUBJECTS AND WEIGHT AS REPORTED BY SUBJECTS

WEIGHT AS REPORTED BY SUBJECTS

STATURE AS REPORTED BY SUBJECTS

	84 .00	89 .00	94 .00	99 .00	104 .00	109 .00	114 .00	119 .00	124 .00	129 .00	134 .00	139 .00	144 .00	149 .00	154 .00	159 .00	164 .00	169 .00	174 .00	179 .00	184 .00	189 .00	194 .00	TOT ALS
74.00																		1						1
73.00															1									1
72.00								1		1	1	1			2								1	7
71.00								1	1	1	1	1	2	1			1	1						10
70.00								1		4	3	3	8	3	2	4	1	1	1					31
69.00							1	1	3	3	13	12	12	14	6	4	4	3	2	1				79
68.00							2	5	16	12	16	24	28	31	20	10	4	1	3		3	2	1	178
67.00					1		2	14	22	31	21	29	29	19	10	4	2	3	3	1	1	1	1	194
66.00				2	7		15	16	37	41	42	33	28	16	10	3	5		1		1	1		258
65.00				4	8		19	34	41	37	52	35	19	8	4	4	4				1			270
64.00		1	1	8	15		27	59	53	50	36	26	4	5	3	1	2	2	1			1		295
63.00			2	9	28		26	54	41	28	25	11	5	4	1									234
62.00	1	2	10	21	28		28	34	26	18	11	8	4	1	3	3	1							199
61.00			6	7	11		15	15	11	8	5	2	2											82
60.00		1	3	9	14		11	9	5	3	1		1	1										58
59.00								2			1													3
58.00		1																						1
TOTALS	1	5	22	60	112		146	243	258	232	229	185	137	109	61	34	26	11	13	3	6	3	2	3	1901

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-STATURE - REPORTED	64.80	2.43	0.089X	+ 53.643	1.98	0.581
X-WEIGHT AS REPORTED	125.40	15.84	3.784Y	- 119.821	12.89	

SECTION XVI

A TRIVARIATE TABLE

Logically the idea of the bivariate frequency table can be extended to trivariate tables and to tables involving even more than three variables. As a matter of fact, virtually the first publication of military anthropometry in the United States (Gould, 1869) consisted essentially of one massive quadrivariate table, the four variables being height, weight, chest circumference, and the congressional district in which the man had been born. Nonetheless, the awkwardness of presenting such tables and the high proportion of cells for which the frequency is zero make these tables generally impractical. We have, however, included one trivariate table (table XXXVII), that for weight, stature, and bust circumference. For each variable, we have used substantially wider intervals than those used with them in table XXXVI, in order to keep the total number of cells less than the total number of subjects.

TABLE XXXVII

A TRIVARIATE FREQUENCY TABLE FOR
STATURE, WEIGHT, AND BUST CIRCUMFERENCE

I - STATURE BELOW 151.25 CM

BUST CIRCUMFERENCE

WEIGHT (LB)	75 .50	78 .00	80 .50	83 .00	85 .50	88 .00	90 .50	93 .00	95 .50	98 .00	100 .50	103 .00	105 .50	108 .00	110 .50	113 .00	TOT ALS
197.50																	0
187.50																	0
177.50																	0
167.50																	0
157.50																	0
147.50													1				1
137.50									1				1				2
127.50						1	2	2	2	1	1						9
117.50					4	5	3										12
107.50			1	5	6	4	3	1									20
97.50		1	1	4	7	1											14
87.50				1													1
TOTALS	0	1	2	10	17	11	8	3	3	1	1	0	2	0	0	0	59

II - STATURE -- 151.25-156.25 CM

BUST CIRCUMFERENCE

WEIGHT (LB)	75 .50	78 .00	80 .50	83 .00	85 .50	88 .00	90 .50	93 .00	95 .50	98 .00	100 .50	103 .00	105 .50	108 .00	110 .50	113 .00	TOT ALS
197.50																	0
187.50																	0
177.50																	0
167.50																1	1
157.50												1					1
147.50								1		1					1		3
137.50						2	2	5	5	4		2					20
127.50				1	4	7	15	11	4	5	2						49
117.50			1	9	21	18	17	9	1								76
107.50			6	24	33	13	7	1									84
97.50	2	2	15	13	5	3											40
87.50		1	1														2
TOTALS	2	3	23	47	63	43	41	27	10	10	2	3	0	0	1	1	276

TABLE XXXVII

A TRIVARIATE FREQUENCY TABLE FOR
STATURE, WEIGHT, AND BUST CIRCUMFERENCE

III - STATURE -- 156.25-161.25 CM

BUST CIRCUMFERENCE

WEIGHT (LB)	75 .50	78 .00	80 .50	83 .00	85 .50	88 .00	90 .50	93 .00	95 .50	98 .00	100 .50	103 .00	105 .50	108 .00	110 .50	113 .00	TOTALS
197.50													1				1
187.50																	0
177.50																	0
167.50											1	2	1	1	1		6
157.50									1	3		2	1		1	1	9
147.50							3	1	3	1	4						12
137.50				1	2	2	15	17	17	12	3						69
127.50		1		3	31	30	43	21	7	2	3						141
117.50			3	21	44	58	31	8	4								169
107.50	1	5	12	35	26	11	10	1									101
97.50		2	7	10	4												23
87.50		1	1														2
TOTALS	1	9	23	70	107	101	102	48	32	18	11	4	3	1	2	1	533

IV - STATURE -- 161.25-166.25 CM

BUST CIRCUMFERENCE

WEIGHT (LB)	75 .50	78 .00	80 .50	83 .00	85 .50	88 .00	90 .50	93 .00	95 .50	98 .00	100 .50	103 .00	105 .50	108 .00	110 .50	113 .00	TOTALS
197.50															1		1
187.50												1	3	1			5
177.50											1						1
167.50									1	2							3
157.50								1	5	8	7	1	1	1			24
147.50					1	1	11	18	18	12	6	4	2				73
137.50					6	17	35	21	13	6	6			1			105
127.50		1		10	22	51	40	33	8	3	2						170
117.50			4	23	49	32	9	3									120
107.50		3	10	10	8	14											45
97.50		2	1	1	1												5
87.50																	0
TOTALS	0	6	15	44	87	115	95	76	45	31	22	6	6	3	1	0	552

TABLE XXXVII

A TRIVARIATE FREQUENCY TABLE FOR
STATURE, WEIGHT, AND BUST CIRCUMFERENCE

V- STATURE -- 166.25-171.25 CM

BUST CIRCUMFERENCE

WEIGHT (LB)	75 .50	78 .00	80 .50	83 .00	85 .50	88 .00	90 .50	93 .00	95 .50	98 .00	100 .50	103 .00	105 .50	108 .00	110 .50	113 .00	TOT ALS
197.50																	0
187.50														1	2		3
177.50											1	1	3			1	6
167.50								1		1	1	5	2	1			11
157.50						1	1	3	5	8	8		1	1			28
147.50					1	6	12	19	18	9	4	5	1				75
137.50				2	7	16	25	29	11	2							92
127.50				2	19	30	22	6	1		1						81
117.50			5	9	17	10	3		1								45
107.50		1	2	6	1	1	1										12
97.50						1											1
87.50																	0
TOTALS	0	1	7	19	45	65	64	58	36	20	15	11	7	3	2	1	354

VI - STATURE -- 171.25-176.25 CM

BUST CIRCUMFERENCE

WEIGHT (LB)	75 .50	78 .00	80 .50	83 .00	85 .50	88 .00	90 .50	93 .00	95 .50	98 .00	100 .50	103 .00	105 .50	108 .00	110 .50	113 .00	TOT ALS
197.50													1				1
187.50													1				1
177.50										2							2
167.50									1	2	2	1	2				8
157.50								1	3	6	1	1					12
147.50						3	5	6	5	3	1						23
137.50				1	4	9	11	7									32
127.50				4	4	5	3	1	1								18
117.50			2	2		2											6
107.50		1		1			1										3
97.50																	0
87.50																	0
TOTALS	0	1	2	8	8	19	20	15	10	13	4	2	4	0	0	0	106

TABLE XXXVII

A TRIVARIATE FREQUENCY TABLE FOR
STATURE, WEIGHT, AND BUST CIRCUMFERENCE

VII - STATURE ABOVE 176.25 CM

BUST CIRCUMFERENCE

WEIGHT (LB)	75 .50	78 .00	80 .50	83 .00	85 .50	88 .00	90 .50	93 .00	95 .50	98 .00	100 .50	103 .00	105 .50	108 .00	110 .50	113 .00	TOTALS
197.50											1						1
187.50																	0
177.50														1			1
167.50											1		1				2
157.50								2	1	1	1						5
147.50						1	2	3	1								7
137.50							2	1									3
127.50					1	1	2										4
117.50					2												2
107.50																	0
97.50																	0
87.50																	0
TOTALS	0	0	0	0	3	2	6	6	2	1	3	0	1	1	0	0	25

PART D

INDICES, COMPUTED VARIABLES, AND SUBSAMPLE STATISTICS

INTRODUCTION

The efficiency of modern computing devices makes it a simple matter to expand the list of variables for which data are available by calculating a variety of anthropometric variables which can be expressed as a mathematical function of one or more of the directly measured variables and to provide statistics similar to those given in Part A of this report for such calculated variables. It is an equally simple matter to develop statistical summaries for any desired subsample included within the total survey series. This portion of the report presents statistical summaries for a series of derived variables based on the total sample plus summaries for the original measurement data for the officer and for the enlisted women groups.

The material in Part D has been divided into the introduction and three sections. The first of these sections consists of statistical summaries for a group of indices (table XXXVIII). This group of indices includes many of the classical indices of physical anthropology plus a number of less traditional ones. The second section consists of similar statistical summaries for a series of computed variables (table XXXIX). The variables in both these tables are, of course, computed variables; in general however, those variables classified as indices have been obtained by division and are dimensionless; whereas the computed variables have generally been obtained by addition or subtraction and often represent variables which, in theory at least, could have been measured directly. The third section consists of statistics for the original measurement data for the officer segment (table XLI) and for the enlisted women segment (table XLII) of the original sample.

The number of variables involved in Part D has limited the physical space available for each statistical summary. These summaries are limited, therefore, to the following statistics:

> Mean, standard error of the mean, the standard deviation, the standard error of the standard deviation, the coefficient of variation, the sample size, the measures of symmetry and kurtosis, and thirteen percentiles: 1st, 5th, 10th, 15th, 25th, 35th, 50th, 65th, 75th, 85th, 90th, 95th and 99th.

A number of the difference measurements—particularly right minus left values—have mean values close to zero; for these, the coefficient of variation may take on huge, and rather meaningless, values. Consequently, when the standard deviation is as large as the mean, the notation *GT99* (greater than 99%) replaces the numeric value of V.

The tables are two pages wide, with the percentiles always appearing on an odd-numbered (right side) page and the associated statistics always on the facing even-numbered page. The variable number appears at the end of the list of percentiles on the right-hand page as well as at the beginning of the listing on the left-hand page.

A 'Locator' for table XXXVIII and table XXXIX appears as table XL. The variables in table XLI and table XLII follow the Visual Index sequence.

The statistics for all dimensional variables are given in both metric and English units.

In tables XXXIX, XLI, and XLII, the statistics for each variable are presented on two lines; the upper of the pair of lines containing the metric values (usually in centimeters), and the lower line contains the English values (usually in inches). Statistics for weight are in kilograms and pounds.

In table XXXVIII, all the variables but the first are dimensionless values and are, in each

case, reported on a single line. Statistics for the one exception, ponderal index, are given in two lines. The first line contains the values obtained by dividing the centimeter value of stature by the cube root of weight in kilograms and the second line, the value obtained by dividing the inch value of stature by the cube root of weight in pounds.

The values of the coefficient of variation, the sample size, and the measures of symmetry and kurtosis are, of course, dimensionless in all cases.

SECTION XVIII

INDICES

The term index in anthropometry usually refers to the representation of one measurement value of a percentage of a second. Such indices were an important part of the equipment of the 'classical' anthropometrist. Alex Hrdlička, one of the founders of anthropometry, has written:

> The index is the simplest expression of the geometric relation of two dimensions and as such is of much utility for the prompt conveyance of a notion as to the shape or relative size of parts. The indices in the living in general are also more permanent than the absolute dimensions of the parts, and therefore, more valuable for group comparisons. (Stewart, 1947, p 209)

Interest in indices varies considerably among anthropologists; the considerable ease with which indices can now be computed may well contribute to an increase in their use by present day anthropometrists.

The indices included in table XXXVIII fall roughly into two groups. The first group (listed as variables 201-228) includes many of the indices listed by Hrdlička (Stewart, 1947), Montagu (1951), and Jones (1929), as well as ponderal index, and an assortment of somewhat similar indices. The names given these indices are, in general, those used by the cited authors.

The second group (variables 229-271) consists of a number of length measurements expressed as percentages of stature. Many of these indices belong among the traditional indices.

These indices were computed in all instances on the basis of the entire sample of 1905 women. Except for ponderal index, these indices are all dimensionless and are reported as percentages.

The definitions of the various indices are as follows:

201. Ponderal index: stature divided by the cube root of weight. The metric value: stature in centimeters divided by the cube root of weight in kilograms. The English value: stature in inches divided by the cube root of weight in pounds.
202. Cephalic index: head breadth divided by head length.
203. Manouvrier proportion index: (stature – sitting height) divided by sitting height.
204. Facial index: menton-sellion length/bizygomatic diameter.
205. Nasal index: nasal breadth/subnasale-sellion length.
206. Mean height index: head height (tragion to top of head)/the average of head length and head breadth.
207. Ear index: ear breadth/ear length.
208. Parieto-jugal index: bizygomatic breadth/head breadth.
209. Bust index: chest depth/chest breadth.
210. Waist index: waist depth/waist breadth.
211. Shoulder index: bustpoint-to-bustpoint breadth/biacromial breadth.
212. Hip-shoulder index: hip breadth/biacromial breadth.
213. Hand index: hand breadth/hand length.
214. Foot index: foot breadth/foot length.
215. Brachial index: radiale-stylion length/acromion-radiale length.
216. Forearm-hand index: hand length/radiale-stylion length.
217. Tibio-femoral index: length of leg (computed variable 388)/length of thigh (computed variable 373).

218. Femoro-humeral index: acromion-radiale length/length of thigh (computed variable 373).

219. Tibio-radial index: radiale-stylion length/length of leg (computed variable 388).

220. Forelimb girth index: biceps circumference, relaxed, right/forearm circumference, relaxed, right.

221. Lower limb girth index: calf circumference, right/upper thigh circumference.

222. Leg girth index: ankle circumference/calf circumference, right.

223. Acromion-deltoid index: biacromial breadth/bideltoid breadth.

224. Bust development index: bust circumference/chest circumference below bust.

225. Humerus-femur index: humeral breadth, right/femoral breadth, right.

226. Head-circle index: head circumference/the average of head length and head breadth.

227. Bust-circle index: bust circumference/the average of chest breadth and chest depth.

228. Waist-circle index: waist circumference/the average of waist breadth and waist depth.

229-271. "X" stature indices. Each of the following lengths expressed as a percentage of stature: cervicale height; acromial height; suprasternale height; bust point height; waist height; abdominal extension height; trochanteric height; buttock height; gluteal furrow height; tibiale height; crotch height; ankle height; lateral malleolus height; sitting height; sitting height-relaxed; eye height, sitting; midshoulder height, sitting; waist height, sitting; elbow rest height; popliteal height; buttock-popliteal length; buttock-knee length; acromion-radiale length; radiale-stylion length; forearm-hand length (computed variable 509); length of thigh (computed variable 373); length of leg (computed variable 388); hand length; foot length; thumb-tip reach; thumb-tip reach, extended; overhead reach; shoulder circumference; chest circumference at scye; bust circumference; chest circumference below bust; waist circumference; abdominal extension circumference; hip circumference - seven inches below waist level; hip circumference - nine inches below waist level; vertical trunk circumference; vertical trunk circumference, sitting; and buttock circumference, sitting.

A 'Locator' for these indices as well as the computed variables of the following section appears at the end of the section. It is described on page 1034.

TABLE XXXVIII

ABBREVIATED SUMMARIES AND SELECTED PERCENTILES FOR INDICES

	VARIABLE	MEAN	SE (M)	ST DEV	SE (SD)	COEF VAR	SAMPLE SIZE	SYMMETRY	KURTOSIS
201	PONDERAL INDEX (METRIC)	42.03	0.04	1.61	0.03	3.8	1905	-0.10	3.40
	(ENGLISH)	12.72	0.01	0.49	0.01	3.8	1905	-0.10	3.40
202	CEPHALIC INDEX	78.94	0.09	4.11	0.07	5.2	1905	0.24	3.09
203	MANOUVRIER PROPORTION INDEX	89.43	0.10	4.44	0.07	5.0	1905	0.16	3.10
204	FACIAL INDEX	82.54	0.13	5.64	0.09	6.8	1905	0.30	3.29
205	NASAL INDEX	70.76	0.21	9.33	0.15	13.2	1905	0.83	4.34
206	MEAN HEAD HEIGHT INDEX	77.31	0.10	4.41	0.07	5.7	1905	0.47	3.44
207	EAR INDEX	57.19	0.16	6.90	0.11	12.1	1905	0.21	3.31
208	PARIETO-JUGAL INDEX	88.93	0.09	3.86	0.06	4.3	1905	-0.09	3.48
209	BUST INDEX	84.57	0.13	5.82	0.09	6.9	1905	0.21	3.24
210	WAIST INDEX	70.58	0.11	4.88	0.08	6.9	1905	0.39	3.60
211	SHOULDER INDEX	44.29	0.07	3.24	0.05	7.3	1905	0.12	3.41
212	HIP-SHOULDER INDEX	97.66	0.14	6.18	0.10	6.3	1905	0.25	3.34
213	HAND INDEX	41.15	0.05	2.16	0.03	5.2	1905	-0.01	3.01
214	FOOT INDEX	36.87	0.04	1.89	0.03	5.1	1905	0.24	3.21
215	BRACHIAL INDEX	75.49	0.08	3.65	0.06	4.8	1905	0.17	3.02
216	FOREARM-HAND INDEX	78.76	0.10	4.57	0.07	5.8	1905	0.38	3.35
217	TIBIO-FEMORAL INDEX	86.83	0.16	6.85	0.11	7.9	1905	0.34	3.04
218	FEMORAL-HUMERAL INDEX	76.40	0.10	4.30	0.07	5.6	1905	0.30	3.29
219	TIBIO-RADIAL INDEX	66.52	0.07	3.20	0.05	4.8	1905	0.26	3.27
220	FORE LIMB GIRTH INDEX	109.00	0.13	5.74	0.09	5.3	1905	0.49	3.29
221	LOWER LIMB GIRTH INDEX	61.68	0.08	3.36	0.05	5.4	1905	0.16	3.05
222	LEG GIRTH INDEX	61.84	0.06	2.80	0.05	4.5	1905	0.16	3.64
223	ACROMION-DELTOID INDEX	85.73	0.09	3.89	0.06	4.5	1905	-0.06	3.01
224	BUST DEVELOPMENT INDEX	120.82	0.10	4.53	0.07	3.8	1905	0.47	3.44
225	HUMERUS-FEMUR INDEX	75.70	0.09	4.13	0.07	5.5	1905	0.38	3.45
226	HEAD-CIRCLE INDEX	333.33	0.15	6.75	0.11	2.0	1905	0.37	3.83

UNITS-NO. 201.CM/CUBE ROOT(KG), IN./CUBE ROOT(LB). ALL OTHERS ARE PERCENTAGES

TABLE XXXVIII
STATISTICAL SUMMARIES AND SELECTED PERCENTILES FOR INDICES

PERCENTILES													VAR
1ST	5TH	10TH	15TH	25TH	35TH	50TH	65TH	75TH	85TH	90TH	95TH	99TH	NO
37.9	39.4	40.1	40.5	41.0	41.5	42.0	42.6	43.1	43.7	44.1	44.7	45.8	201
11.5	11.9	12.1	12.2	12.4	12.5	12.7	12.9	13.0	13.2	13.3	13.5	13.9	
69.7	72.4	73.8	74.7	76.1	77.2	78.8	80.4	81.6	83.2	84.4	86.1	89.5	202
79.7	82.2	83.8	84.8	86.4	87.7	89.4	91.1	92.3	94.0	95.2	97.0	100.8	203
70.2	73.7	75.6	76.8	78.6	80.2	82.2	84.4	86.1	88.4	89.9	92.3	97.0	204
52.6	57.6	60.1	61.8	64.4	66.5	69.6	73.0	75.9	79.9	82.9	87.9	99.3	205
68.1	70.6	72.0	72.9	74.2	75.4	77.0	78.7	80.0	81.8	83.1	85.2	89.5	206
41.8	46.0	48.5	50.2	52.6	54.6	57.1	59.7	61.6	64.1	65.9	68.7	75.4	207
79.1	82.4	84.0	85.1	86.6	87.7	89.1	90.4	91.4	92.6	93.6	95.1	98.8	208
71.8	75.3	77.3	78.6	80.6	82.2	84.4	86.6	88.3	90.4	92.0	94.5	100.0	209
60.0	63.1	64.7	65.8	67.3	68.6	70.3	72.1	73.6	75.5	76.9	79.1	83.9	210
36.9	39.1	40.2	41.0	42.1	43.0	44.2	45.4	46.4	47.6	48.4	49.8	52.5	211
84.2	87.8	89.9	91.3	93.5	95.2	97.5	99.8	101.6	103.9	105.5	108.1	113.6	212
36.2	37.6	38.4	38.9	39.7	40.3	41.2	42.0	42.6	43.4	43.9	44.7	46.1	213
32.7	33.9	34.5	34.9	35.6	36.1	36.8	37.5	38.1	38.9	39.4	40.1	41.6	214
67.6	69.6	70.8	71.7	72.9	74.0	75.4	76.8	77.9	79.3	80.2	81.7	84.6	215
69.4	71.7	73.1	74.1	75.5	76.8	78.5	80.3	81.7	83.5	84.8	86.8	90.7	216
72.5	76.3	78.4	79.8	82.0	83.8	86.4	89.1	91.2	93.9	95.9	98.8	104.6	217
66.9	69.6	71.0	72.0	73.5	74.6	76.2	77.9	79.2	80.8	82.0	83.8	87.4	218
59.4	61.5	62.6	63.3	64.3	65.2	66.4	67.6	68.6	69.8	70.7	72.0	74.3	219
97.7	100.4	102.0	103.1	104.9	106.4	108.5	110.8	112.6	115.0	116.7	119.3	124.4	220
54.1	56.4	57.5	58.3	59.4	60.3	61.6	62.9	63.9	65.2	66.1	67.4	69.7	221
55.5	57.5	58.4	59.0	60.0	60.7	61.8	62.8	63.7	64.7	65.5	66.6	68.7	222
76.4	79.2	80.7	81.7	83.1	84.3	85.8	87.3	88.4	89.8	90.7	92.1	94.4	223
111.7	114.0	115.3	116.2	117.7	118.8	120.5	122.2	123.6	125.5	126.8	128.9	133.5	224
67.0	69.2	70.6	71.5	72.9	74.0	75.5	77.1	78.3	79.9	81.0	82.8	86.8	225
318.0	323.1	325.3	326.7	328.7	330.4	332.7	335.2	337.3	340.1	342.1	345.3	351.5	226

UNITS-NO. 201.CM/CUBE ROOT(KG), IN./CUBE ROOT(LB). ALL OTHERS ARE PERCENTAGES

TABLE XXXVIII
STATISTICAL SUMMARIES AND SELECTED PERCENTILES FOR INDICES

	VARIABLE	MEAN	SE (M)	ST DEV	SE (SD)	COEF VAR	SAMPLE SIZE	SYMM ETRY	KURT OSIS
227	BUST-CIRCLE INDEX	347.72	0.23	9.88	0.16	2.8	1905	0.29	3.89
228	WAIST-CIRCLE INDEX	326.81	0.21	9.28	0.15	2.8	1905	0.12	3.47
229	CERVICALE HEIGHT/STATURE INDEX	85.86	0.02	0.74	0.01	0.9	1905	-0.02	3.03
230	ACROMIAL HEIGHT/STATURE INDEX	81.33	0.02	0.99	0.02	1.2	1905	0.01	3.12
231	SUPRASTERNALE HT/STATURE INDEX	81.42	0.02	0.78	0.01	1.0	1905	0.09	3.32
232	BUST POINT H'GHT/STATURE INDEX	72.98	0.03	1.24	0.02	1.7	1905	0.05	3.18
233	WAIST HEIGHT/STATURE INDEX	61.85	0.03	1.15	0.02	1.9	1905	0.03	3.28
234	ABDOMINAL EXTENSION HT/STATURE	57.45	0.03	1.25	0.02	2.2	1905	0.06	3.19
235	TROCHANTERIC HGT/STATURE INDEX	50.99	0.03	1.42	0.02	2.8	1905	0.04	3.13
236	BUTTOCK HEIGHT/STATURE INDEX	50.71	0.03	1.40	0.02	2.8	1905	0.02	3.47
237	GLUTEAL FURROW HT/STATURE INDX	44.84	0.03	1.43	0.02	3.2	1905	-0.08	3.05
238	TIBIALE HEIGHT/STATURE INDEX	25.89	0.02	0.92	0.01	3.6	1905	0.10	2.93
239	CROTCH HEIGHT/STATURE INDEX	45.95	0.03	1.38	0.02	3.0	1905	0.14	3.20
240	ANKLE HEIGHT/STATURE INDEX	6.90	0.02	0.79	0.01	11.5	1905	0.34	2.65
241	LATERAL MALLEOLUS HT/STATURE	4.18	0.01	0.33	0.01	7.9	1905	0.02	3.20
242	SITTING HEIGHT/STATURE INDEX	52.82	0.03	1.23	0.02	2.3	1905	-0.01	3.04
243	SITTING HT,RELAXED/STATURE IDX	52.00	0.03	1.30	0.02	2.5	1905	-0.12	3.23
244	EYE HGHT,SITTING/STATURE INDEX	45.48	0.03	1.31	0.02	2.9	1905	-0.01	3.06
245	MIDSHOULDER HT,SITTING/STATURE	35.78	0.03	1.15	0.02	3.2	1905	0.09	2.88
246	WAIST HT,SITTING/STATURE INDEX	14.42	0.02	0.98	0.02	6.8	1905	-0.04	3.14
247	ELBOW REST HGT/STATURE INDEX	14.01	0.03	1.50	0.02	10.7	1905	0.07	2.78
248	POPLITEAL HEIGHT/STATURE INDEX	25.33	0.02	0.80	0.01	3.2	1905	0.07	3.35
249	BUTTOCK-POPLITEAL LGTH/STATURE	29.43	0.03	1.29	0.02	4.4	1905	0.18	2.99
250	BUTTOCK-KNEE LTH/STATURE INDEX	35.43	0.02	1.04	0.02	2.9	1905	0.28	3.37
251	ACROMION-RADIALE/STATURE INDEX	19.13	0.02	0.69	0.01	3.6	1905	-0.02	3.29
252	RADIALE-STYLION/STATURE INDEX	14.43	0.01	0.63	0.01	4.4	1905	0.15	3.06

UNITS-NO. 201.CM/CUBE ROOT(KG), IN./CUBE ROOT(LB). ALL OTHERS ARE PERCENTAGES

TABLE XXXVIII
STATISTICAL SUMMARIES AND SELECTED PERCENTILES FOR INDICES

PERCENTILES													VAR
1ST	5TH	10TH	15TH	25TH	35TH	50TH	65TH	75TH	85TH	90TH	95TH	99TH	NO
325.9	331.7	335.3	337.7	341.3	344.1	347.6	351.1	353.7	357.2	359.8	364.1	375.3	227
304.7	311.4	315.0	317.4	320.8	323.4	326.8	330.1	332.6	335.9	338.2	342.0	350.9	228
84.1	84.6	84.9	85.1	85.4	85.6	85.9	86.1	86.4	86.6	86.8	87.1	87.6	229
78.9	79.7	80.1	80.3	80.7	81.0	81.3	81.7	82.0	82.4	82.6	83.0	83.7	230
79.5	80.2	80.5	80.6	80.9	81.1	81.4	81.7	81.9	82.2	82.4	82.7	83.3	231
70.0	70.9	71.4	71.7	72.2	72.5	73.0	73.4	73.8	74.3	74.6	75.0	76.0	232
59.1	60.0	60.4	60.7	61.1	61.4	61.8	62.3	62.6	63.1	63.3	63.8	64.5	233
54.5	55.4	55.9	56.2	56.6	57.0	57.4	57.9	58.3	58.8	59.1	59.6	60.4	234
47.7	48.7	49.2	49.5	50.0	50.4	51.0	51.5	51.9	52.5	52.8	53.4	54.4	235
47.4	48.4	48.9	49.3	49.8	50.2	50.7	51.2	51.6	52.1	52.5	53.0	54.2	236
41.4	42.5	43.0	43.4	43.9	44.3	44.8	45.4	45.8	46.3	46.7	47.2	48.1	237
23.8	24.4	24.7	25.0	25.3	25.5	25.9	26.2	26.5	26.9	27.1	27.5	28.1	238
42.8	43.7	44.2	44.5	45.0	45.4	45.9	46.4	46.8	47.3	47.7	48.3	49.5	239
5.5	5.7	5.9	6.0	6.3	6.5	6.8	7.2	7.4	7.8	8.0	8.3	8.9	240
3.4	3.6	3.8	3.8	4.0	4.1	4.2	4.3	4.4	4.5	4.6	4.7	5.0	241
49.8	50.8	51.3	51.6	52.0	52.3	52.8	53.3	53.7	54.1	54.4	54.9	55.7	242
48.7	49.8	50.3	50.7	51.2	51.5	52.0	52.5	52.9	53.3	53.7	54.1	54.9	243
42.5	43.3	43.8	44.1	44.6	45.0	45.5	46.0	46.4	46.8	47.1	47.6	48.6	244
33.1	33.9	34.3	34.6	35.0	35.3	35.8	36.2	36.6	37.0	37.3	37.7	38.5	245
12.0	12.8	13.1	13.4	13.8	14.1	14.4	14.8	15.1	15.4	15.7	16.0	16.7	246
10.7	11.6	12.1	12.4	13.0	13.4	14.0	14.6	15.0	15.6	16.0	16.6	17.6	247
23.5	24.0	24.3	24.5	24.8	25.0	25.3	25.6	25.9	26.1	26.3	26.6	27.2	248
26.6	27.4	27.8	28.1	28.5	28.9	29.4	29.9	30.3	30.8	31.1	31.6	32.6	249
33.2	33.8	34.1	34.4	34.7	35.0	35.4	35.8	36.1	36.5	36.8	37.2	38.2	250
17.4	18.0	18.2	18.4	18.7	18.9	19.1	19.4	19.6	19.8	20.0	20.3	20.8	251
13.0	13.4	13.6	13.8	14.0	14.2	14.4	14.6	14.8	15.1	15.3	15.5	16.0	252

UNITS-NO. 201.CM/CUBE ROOT(KG), IN./CUBE ROOT(LB). ALL OTHERS ARE PERCENTAGES

TABLE XXXVIII
STATISTICAL SUMMARIES AND SELECTED PERCENTILES FOR INDICES

	VARIABLE	MEAN	SE (M)	ST DEV	SE (SD)	COEF VAR	SAMPLE SIZE	SYMM ETRY	KURT OSIS
253	FOREARM-HAND LTH/STATURE INDEX	25.77	0.02	0.83	0.01	3.2	1905	0.32	3.23
254	THIGH LENGTH/STATURE INDEX	25.10	0.03	1.36	0.02	5.4	1905	-0.05	3.01
255	LEG LENGTH/STATURE INDEX	21.71	0.02	0.95	0.02	4.4	1905	0.10	2.96
256	HAND LENGTH/STATURE INDEX	11.34	0.01	0.48	0.01	4.2	1905	0.30	3.08
257	FOOT LENGTH/STATURE INDEX	14.85	0.01	0.51	0.01	3.4	1905	0.19	2.99
258	THUMB-TIP REACH/STATURE INDEX	45.74	0.04	1.83	0.03	4.0	1905	0.12	3.11
259	THUMB-TIP REACH,EXTEND/STATURE	51.72	0.05	2.38	0.04	4.6	1905	0.36	3.22
260	OVERHEAD REACH/STATURE INDEX	122.90	0.06	2.76	0.04	2.2	1905	-0.04	2.88
261	SHOULDER CIRCUMFERENCE/STATURE	61.99	0.07	3.23	0.05	5.2	1905	0.48	3.75
262	CHEST CIRC AT SCYE/STATURE IDX	52.01	0.07	3.11	0.05	6.0	1905	0.58	3.78
263	BUST CIRCUMFER/STATURE INDEX	55.39	0.08	3.59	0.06	6.5	1905	0.70	4.19
264	CHEST CIRC BELOW BUST/STATURE	45.88	0.07	2.99	0.05	6.5	1905	0.67	4.16
265	WAIST CIRCUMFER/STATURE INDEX	41.48	0.08	3.29	0.05	7.9	1905	0.90	4.76
266	ABDOMINAL EXTENSION C/STATURE	52.86	0.10	4.43	0.07	8.4	1905	0.65	3.96
267	HIP CIRC-7 BELOW WAIST/STATURE	57.80	0.08	3.35	0.05	5.8	1905	0.65	4.14
268	HIP CIRC-9 BELOW WAIST/STATURE	58.80	0.08	3.56	0.06	6.1	1905	0.43	3.68
269	VERTICAL TRUNK CIRC/STATURE	95.30	0.08	3.45	0.06	3.6	1905	0.42	3.60
270	VERTICAL TRUNK C,SIT'G/STATURE	92.60	0.07	3.05	0.05	3.3	1905	0.33	3.65
271	BUTTOCK CIRC,SIT'G/STATURE IDX	61.72	0.08	3.58	0.06	5.8	1905	0.69	4.18

UNITS-NO. 201.CM/CUBE ROOT(KG), IN./CUBE ROOT(LB). ALL OTHERS ARE PERCENTAGES

TABLE XXXVIII
STATISTICAL SUMMARIES AND SELECTED PERCENTILES FOR INDICES

PERCENTILES													VAR
1ST	5TH	10TH	15TH	25TH	35TH	50TH	65TH	75TH	85TH	90TH	95TH	99TH	NO
24.0	24.5	24.8	24.9	25.2	25.4	25.7	26.0	26.3	26.6	26.9	27.2	28.0	253
21.9	22.8	23.3	23.7	24.2	24.6	25.1	25.6	26.0	26.5	26.8	27.3	28.3	254
19.6	20.2	20.5	20.7	21.1	21.3	21.7	22.1	22.4	22.7	23.0	23.3	24.0	255
10.3	10.6	10.7	10.8	11.0	11.1	11.3	11.5	11.7	11.8	12.0	12.2	12.6	256
13.7	14.0	14.2	14.3	14.5	14.6	14.8	15.0	15.2	15.4	15.5	15.7	16.1	257
41.4	42.8	43.4	43.9	44.5	45.0	45.7	46.4	46.9	47.6	48.1	48.9	50.3	258
46.7	48.0	48.8	49.3	50.1	50.7	51.6	52.5	53.2	54.2	54.9	55.9	58.2	259
116.7	118.4	119.3	120.0	121.0	121.8	122.9	124.0	124.8	125.8	126.5	127.4	129.2	260
55.1	57.1	58.1	58.8	59.8	60.6	61.8	63.0	64.0	65.3	66.2	67.6	70.6	261
45.8	47.4	48.3	48.9	49.9	50.7	51.7	52.9	53.8	55.1	56.1	57.5	60.8	262
48.2	50.2	51.2	51.9	52.9	53.8	55.0	56.4	57.5	59.0	60.1	61.9	65.6	263
39.8	41.5	42.4	43.0	43.8	44.6	45.6	46.7	47.6	48.9	49.8	51.3	54.4	264
35.4	36.8	37.7	38.3	39.2	40.0	41.1	42.3	43.3	44.7	45.8	47.5	51.4	265
44.0	46.3	47.6	48.5	49.8	50.9	52.5	54.1	55.4	57.2	58.5	60.8	66.0	266
50.9	52.8	53.8	54.6	55.6	56.4	57.5	58.7	59.7	61.0	62.0	63.8	68.2	267
51.1	53.3	54.5	55.3	56.4	57.4	58.6	59.9	60.9	62.3	63.3	65.0	69.1	268
87.8	90.0	91.1	91.9	93.0	93.9	95.1	96.3	97.4	98.7	99.8	101.4	105.0	269
85.7	88.0	89.0	89.6	90.6	91.4	92.4	93.6	94.5	95.7	96.5	97.8	100.3	270
54.5	56.4	57.5	58.2	59.3	60.2	61.4	62.7	63.8	65.2	66.3	68.1	72.5	271

UNITS-NO. 201.CM/CUBE ROOT(KG), IN./CUBE ROOT(LB). ALL OTHERS ARE PERCENTAGES

SECTION XIX

COMPUTED VARIABLES

The opportunity to compute new variables from the directly measured ones permits us to enrich our statistics in two major fashions:

(1) We can compute values for variables which cannot be easily measured directly as, for example, the difference between biceps circumference when the arm is flexed and when it is relaxed, and for variables such as many of the indices of the previous section, which are, in a sense, more statistical or mathematical entries than physical ones; and

(2) We can provide statistical summaries for many more variables than the number which it is practical to measure in the field.

Variables of both these types appear in table XXXIX. The 214 computed variables in this table have been grouped into the following categories:

I. height level differences; variables 301-401.

II. left side vs right side differences; variables 402-406.

III. differences in the same measurement with the body in different positions; variables 407-414.

IV. differences of with- and without-foundation-garment measurements; variables 415-427.

V. distances between points on the face profile; variables 428-442.

VI. differences between circumferences, breadths and depths; variables 443-508.

VII. a miscellaneous category; variables 509-514.

The variables in table XXXIX are the following:

I. The Height Level Differences:

301-313 Stature minus each of the following heights: cervicale, acromial, suprasternale, bustpoint, waist, abdominal extension, trochanteric, buttock, gluteal furrow, tibiale, crotch, ankle, and lateral malleolus.

314-325 Cervicale height minus each of the following heights: acromial, suprasternale, bustpoint, waist, abdominal extension, trochanteric, buttock, gluteal furrow, tibiale, crotch, ankle, and lateral malleolus.

326-336 Acromial height minus each of the following heights: suprasternale, bustpoint, waist, abdominal extension, trochanteric, buttock, gluteal furrow, tibiale, crotch, ankle, and lateral malleolus.

337-346 Suprasternale height minus each of the following heights: bustpoint, waist, abdominal extension, trochanteric, buttock, gluteal furrow, tibiale, crotch, ankle, and lateral malleolus.

347-355 Bustpoint height minus each of the following heights: waist, abdominal extension, trochanteric, buttock, gluteal furrow, tibiale, crotch, ankle and lateral malleolus.

356-363 Waist height minus each of the following heights: abdominal extension, trochanteric, buttock, gluteal furrow, tibiale, crotch, ankle and lateral malleolus.

364-370 Abdominal extension height minus each of the following heights: trochanteric, buttock, gluteal furrow, tibiale, crotch, ankle and lateral malleolus.

371-376 Trochanteric height minus each of the following heights: buttock, gluteal furrow, tibiale, crotch, ankle, and lateral malleolus.

377-381 Buttock height minus each of the following heights: gluteal furrow, tibiale, crotch, ankle, and lateral malleolus.

382-385 Gluteal furrow height minus each of the following heights: tibiale, crotch, ankle, and lateral malleolus.

386-388 Tibiale height minus each of the following heights: crotch, ankle, and lateral malleolus.

389-390 Crotch height minus ankle height and lateral malleolus height.

391 Ankle height minus lateral malleolus height.

392-395 Sitting height minus each of the following sitting heights: eye, midshoulder, waist, and elbow rest.

396-398 Eye height, sitting, minus each of the following sitting heights: midshoulder, waist, and elbow rest.

399-400 Midshoulder height, sitting, minus waist height, sitting and elbow rest height.

401 Waist height, sitting, minus elbow rest height.

II. The Right-Left Differences:

402 Calf difference: calf circumference, right minus calf circumference, left.

403 Humeral difference: humeral breadth, right minus humeral breadth, left.

404 Femoral difference: femoral breadth, right minus femoral breadth, left.

405 Biceps-flexed difference: biceps circumference, flexed, right minus biceps circumference, flexed, left.

406 Biceps-relaxed, difference: biceps circumference, relaxed, right minus biceps circumference, relaxed, left.

III. Differences in the Same Measurement With the Body in Different Positions:

407 Stature, maximum minus stature.

408 Sitting height minus sitting height, relaxed.

409 Thumb-tip reach, extended minus thumb-tip reach.

410 Interscye curvature, maximum minus interscye curvature.

411 Biceps circumference, flexed, right minus biceps circumference, relaxed, right.

412 Biceps circumference, flexed, left minus biceps circumference, relaxed, left.

413 Forearm circumference, flexed minus forearm circumference, relaxed.

414 Vertical trunk circumference minus vertical trunk circumference, sitting.

IV. The With- Without-Foundation Garment Differences (For these variables the sample size is 1522, the number of subjects who were measured wearing these garments.):

415 Abdominal extension circumference minus abdominal extension circumference over foundation garment.

416 Abdominal extension depth minus abdominal extension depth over foundation garment.

417 Abdominal extension height minus abdominal extension height over foundation garment.

418 Waist height minus waist height over foundation garment.

419 Waist breadth minus waist breadth over foundation garment.

420 Waist depth minus waist depth over foundation garment.

421 Waist circumference minus waist circumference over foundation garment.

422 Hip circumference—seven inches below waist level minus hip circumference over foundation garment at the same level.

423 Hip circumference—nine inches below waist level minus hip circumference over foundation garment at the same level.

424 Buttock circumference, sitting, minus buttock circumference, sitting, over foundation garment.

425 Hip breadth minus hip breadth over foundation garment.

426 Buttock depth minus buttock depth over foundation garment.

427 Thigh-to-thigh breadth, sitting, minus thigh-to-thigh breadth, sitting, over foundation garment.

V. Distances between Points on the Profile of the Face:

Variables 428-442 are distances—in the sagittal or profile plane—between points on the face computed by treating the 'Z' to top of head measurement as the y-coordinate of 'Z' and the 'Z' to wall measurement as the x-coordinate of 'Z' and using the cartesian distance formula. The term *mouth opening* is used here to refer to the point slightly forward of stomion for which stomion to top of head serves as the vertical coordinate and lip protrusion-to-wall serves as the horizontal one.

428-432 Tragion to external canthus, to pronasale, to subnasale, to mouth opening, and to menton distances.

433-436 External canthus to pronasale, to subnasale, to stomion opening, and to menton distances.

437-439 Pronasale to subnasale, to mouth opening, and to menton distances.

440-441 Subnasale to mouth opening and to menton distances.

442 Mouth opening to menton distance.

VI. Differences between Circumferences, Breadths, and Depths:

443-450 Shoulder circumference minus each of the following: chest circumference at scye, bust circumference, chest circumference below bust, waist circumference, abdominal extension circumference, hip circumference—seven inches below waist level, hip circumference—nine inches below waist level, and buttock circumference, sitting.

451-457 Chest circumference at scye minus each of the following: bust circumference, chest circumference below bust, waist circumference, abdominal extension circumference, hip circumference—seven inches below waist level, hip circumference—nine inches below waist level, and buttock circumference, sitting.

458-463 Bust circumference minus each of the following: chest circumference below bust, waist circumference, abdominal extension circumference, hip circumference—seven inches below waist level, hip circumference—nine inches below waist level, and buttock circumference, sitting.

464-468 Chest circumference below bust minus each of the following: waist circumference, abdominal extension circumference, hip circumference—seven inches below waist level, hip circumference—nine inches below waist level, and buttock circumference, sitting.

469-472 Waist circumference minus each of the following: abdominal extension circumference, hip circumference—seven inches below waist level, hip circumference—nine inches below waist level, and buttock circumference, sitting.

473-475 Abdominal extension circumference minus each of the following: hip circumference—seven inches below waist level, hip circumference—nine inches below waist level, and buttock circumference, sitting.

476-477 Hip circumference—seven inches below waist level minus each of the following: hip circumference—nine inches below waist level and buttock circumference, sitting.

478 Hip circumference—nine inches below waist level minus buttock circumference, sitting.

479 Scye circumference minus axillary arm circumference.

480 Axillary arm circumference minus biceps circumference, relaxed, right.

481 Biceps circumference, flexed, right, minus elbow circumference, flexed, right.

482 Biceps circumference, relaxed, right, minus forearm circumference, relaxed.

483 Biceps circumference, flexed, right, minus forearm circumference, flexed.

484 Elbow circumference, flexed minus forearm circumference, flexed.

485 Forearm circumference, relaxed minus wrist circumference.

486 Calf circumference minus ankle circumference.

487 Bideltoid breadth minus biacromial breadth.

488 Biacromial breadth minus chest breadth.

489 Chest breadth minus waist breadth.

490 Chest breadth minus hip breadth.

491 Waist breadth minus hip breadth.

492 Chest depth minus waist depth.

493 Chest depth minus abdominal extension depth.

494 Chest depth minus buttock depth.

495 Waist depth minus abdominal extension depth.

496 Waist depth minus buttock depth.

497 Abdominal extension depth minus buttock depth.

498 Biauricular breadth minus head breadth.

499 Head breadth minus bitragion breadth.

500 Head breadth minus bizygomatic breadth.

501 Head breadth minus bigonial breadth.

502 Head breadth minus biocular breadth.

503 Bitragion breadth minus bizygomatic breadth.

504 Bitragion breadth minus bigonial breadth.

505 Bitragion breadth minus biocular breadth.

506 Bizygomatic breadth minus bigonial breadth.

507 Bizygomatic breadth minus biocular breadth.

508 Bigonial breadth minus biocular breadth.

VII. Miscellany

509 Forearm-hand length: radiale-stylion length plus hand length.

510 Buttock-knee length minus buttock-popliteal length.

511 Scye-to-elbow length (sleeve length segment) : spine-to-elbow length minus spine-to-scye length.

512 Scye-to-wrist length (sleeve length segment) : spine-to-wrist length minus spine-to-scye length.

513 Elbow-to-wrist length (sleeve length segment) : spine-to-wrist length minus spine-to-elbow length.

514 Front curvature: bust circumference minus back curvature.

TABLE XXXIX

STATISTICAL SUMMARIES AND SELECTED PERCENTILES FOR COMPUTED VARIABLES

	VARIABLE	MEAN	SE (M)	ST DEV	SE (SD)	COEF VAR	SAMPLE SIZE	SYMM ETRY	KURT OSIS
301	STATURE MINUS	22.91	0.03	1.32	0.02	5.8	1905	0.04	3.06
	CERVICALE HEIGHT	9.02	0.01	0.52	0.01	5.8	1905	0.04	3.06
302	STATURE MINUS	30.24	0.04	1.73	0.03	5.7	1905	0.04	3.27
	ACROMIAL HEIGHT	11.91	0.02	0.68	0.01	5.7	1905	0.04	3.27
303	STATURE MINUS	30.10	0.03	1.49	0.02	5.0	1905	0.02	3.10
	SUPRASTERNALE HEIGHT	11.85	0.01	0.59	0.01	5.0	1905	0.02	3.10
304	STATURE MINUS	43.78	0.05	2.28	0.04	5.2	1905	0.00	3.18
	BUSTPOINT HEIGHT	17.24	0.02	0.90	0.01	5.2	1905	0.00	3.18
305	STATURE MINUS	61.82	0.06	2.63	0.04	4.3	1905	0.15	2.91
	WAIST HEIGHT	24.34	0.02	1.04	0.02	4.3	1905	0.15	2.91
306	STATURE MINUS	68.95	0.06	2.82	0.05	4.1	1905	0.08	2.96
	ABDOMINAL EXTENSION HEIGHT	27.15	0.03	1.11	0.02	4.1	1905	0.08	2.96
307	STATURE MINUS	79.43	0.07	3.26	0.05	4.1	1905	0.11	2.85
	TROCHANTERIC HEIGHT	31.27	0.03	1.28	0.02	4.1	1905	0.11	2.85
308	STATURE MINUS	79.89	0.08	3.32	0.05	4.2	1905	0.03	2.88
	BUTTOCK HEIGHT	31.45	0.03	1.31	0.02	4.2	1905	0.03	2.88
309	STATURE MINUS	89.40	0.08	3.53	0.06	4.0	1905	0.09	2.89
	GLUTEAL FURROW HEIGHT	35.20	0.03	1.39	0.02	4.0	1905	0.09	2.89
310	STATURE MINUS	120.12	0.10	4.39	0.07	3.7	1905	0.13	2.75
	TIBIALE HEIGHT	47.29	0.04	1.73	0.03	3.7	1905	0.13	2.75
311	STATURE MINUS	87.60	0.08	3.35	0.05	3.8	1905	0.03	2.82
	CROTCH HEIGHT	34.49	0.03	1.32	0.02	3.8	1905	0.03	2.82
312	STATURE MINUS	150.92	0.13	5.74	0.09	3.8	1905	0.16	2.77
	ANKLE HEIGHT	59.42	0.05	2.26	0.04	3.8	1905	0.16	2.77
313	STATURE MINUS	155.33	0.13	5.78	0.09	3.7	1905	0.15	2.75
	LATERAL MALLEOLUS HEIGHT	61.15	0.05	2.27	0.04	3.7	1905	0.15	2.75
314	CERVICALE HEIGHT MINUS	7.34	0.03	1.46	0.02	19.9	1905	-0.08	3.06
	ACROMIAL HEIGHT	2.89	0.01	0.58	0.01	19.9	1905	-0.08	3.06
315	CERVICALE HEIGHT MINUS	7.19	0.03	1.29	0.02	18.0	1905	0.04	3.04
	SUPRASTERNALE HEIGHT	2.83	0.01	0.51	0.01	18.0	1905	0.04	3.04
316	CERVICALE HEIGHT MINUS	20.88	0.05	2.07	0.03	9.9	1905	0.04	3.14
	BUSTPOINT HEIGHT	8.22	0.02	0.82	0.01	9.9	1905	0.04	3.14
317	CERVICALE HEIGHT MINUS	38.92	0.05	2.16	0.04	5.6	1905	0.11	3.06
	WAIST HEIGHT	15.32	0.02	0.85	0.01	5.6	1905	0.11	3.06
318	CERVICALE HEIGHT MINUS	46.04	0.05	2.36	0.04	5.1	1905	0.10	2.98
	ABDOMINAL EXTENSION HEIGHT	18.13	0.02	0.93	0.02	5.1	1905	0.10	2.98

UNITS...UPPER LINES, CENTIMETERS OR KILOGRAMS...LOWER LINES, INCHES OR POUNDS

TABLE XXXIX

STATISTICAL SUMMARIES AND SELECTED PERCENTILES FOR COMPUTED VARIABLES

PERCENTILES													VAR
1ST	5TH	10TH	15TH	25TH	35TH	50TH	65TH	75TH	85TH	90TH	95TH	99TH	NO
19.8	20.8	21.2	21.5	22.0	22.4	22.9	23.4	23.8	24.3	24.6	25.1	26.1	301
7.8	8.2	8.4	8.5	8.7	8.8	9.0	9.2	9.4	9.6	9.7	9.9	10.3	
26.1	27.4	28.0	28.5	29.1	29.6	30.2	30.9	31.4	32.0	32.4	33.1	34.6	302
10.3	10.8	11.0	11.2	11.5	11.7	11.9	12.2	12.3	12.6	12.8	13.0	13.6	
26.7	27.7	28.2	28.6	29.1	29.5	30.1	30.7	31.1	31.6	32.0	32.5	33.6	303
10.5	10.9	11.1	11.2	11.5	11.6	11.9	12.1	12.2	12.5	12.6	12.8	13.2	
38.5	40.0	40.9	41.4	42.3	42.9	43.8	44.7	45.3	46.1	46.7	47.5	49.3	304
15.2	15.8	16.1	16.3	16.6	16.9	17.2	17.6	17.8	18.2	18.4	18.7	19.4	
56.2	57.6	58.4	59.0	60.0	60.7	61.8	62.8	63.6	64.6	65.3	66.2	68.1	305
22.1	22.7	23.0	23.2	23.6	23.9	24.3	24.7	25.0	25.4	25.7	26.1	26.8	
62.6	64.4	65.3	66.0	67.0	67.8	68.9	70.0	70.9	71.9	72.6	73.6	75.6	306
24.7	25.3	25.7	26.0	26.4	26.7	27.1	27.6	27.9	28.3	28.6	29.0	29.8	
72.2	74.2	75.2	76.0	77.1	78.1	79.4	80.7	81.7	82.9	83.7	84.9	86.9	307
28.4	29.2	29.6	29.9	30.4	30.7	31.2	31.8	32.1	32.6	33.0	33.4	34.2	
72.4	74.5	75.6	76.4	77.6	78.6	79.9	81.2	82.1	83.4	84.2	85.5	87.9	308
28.5	29.3	29.8	30.1	30.6	30.9	31.4	32.0	32.3	32.8	33.1	33.6	34.6	
81.8	83.6	84.8	85.6	86.9	88.0	89.4	90.8	91.8	93.1	93.9	95.2	97.7	309
32.2	32.9	33.4	33.7	34.2	34.6	35.2	35.7	36.1	36.6	37.0	37.5	38.5	
110.5	113.0	114.5	115.5	117.0	118.3	120.0	121.8	123.2	124.9	126.0	127.6	130.3	310
43.5	44.5	45.1	45.5	46.1	46.6	47.2	48.0	48.5	49.2	49.6	50.3	51.3	
80.1	82.0	83.2	84.0	85.3	86.3	87.6	88.9	89.9	91.1	91.9	93.1	95.5	311
31.5	32.3	32.8	33.1	33.6	34.0	34.5	35.0	35.4	35.9	36.2	36.7	37.6	
138.8	141.7	143.5	144.8	146.8	148.5	150.8	153.1	154.8	157.0	158.5	160.6	164.6	312
54.6	55.8	56.5	57.0	57.8	58.5	59.4	60.3	60.9	61.8	62.4	63.2	64.8	
143.2	146.0	147.9	149.2	151.2	152.9	155.2	157.5	159.2	161.4	162.9	165.1	169.3	313
56.4	57.5	58.2	58.7	59.5	60.2	61.1	62.0	62.7	63.5	64.1	65.0	66.7	
3.9	4.9	5.4	5.8	6.3	6.8	7.3	7.9	8.3	8.9	9.2	9.7	10.7	314
1.5	1.9	2.1	2.3	2.5	2.7	2.9	3.1	3.3	3.5	3.6	3.8	4.2	
4.2	5.1	5.6	5.9	6.3	6.7	7.2	7.7	8.1	8.5	8.9	9.4	10.3	315
1.6	2.0	2.2	2.3	2.5	2.6	2.8	3.0	3.2	3.4	3.5	3.7	4.0	
16.0	17.5	18.3	18.8	19.5	20.1	20.9	21.6	22.2	23.0	23.5	24.3	25.8	316
6.3	6.9	7.2	7.4	7.7	7.9	8.2	8.5	8.8	9.1	9.3	9.6	10.2	
34.1	35.4	36.2	36.7	37.5	38.1	38.9	39.7	40.3	41.1	41.7	42.5	44.2	317
13.4	13.9	14.2	14.4	14.7	15.0	15.3	15.6	15.9	16.2	16.4	16.7	17.4	
40.7	42.2	43.0	43.6	44.4	45.1	46.0	46.9	47.6	48.5	49.1	50.0	52.0	318
16.0	16.6	16.9	17.2	17.5	17.8	18.1	18.5	18.7	19.1	19.3	19.7	20.5	

UNITS...UPPER LINES, CENTIMETERS OR KILOGRAMS...LOWER LINES, INCHES OR POUNDS

TABLE XXXIX
STATISTICAL SUMMARIES AND SELECTED PERCENTILES FOR COMPUTED VARIABLES

	VARIABLE	MEAN	SE (M)	ST DEV	SE (SD)	COEF VAR	SAMPLE SIZE	SYMM ETRY	KURT OSIS
319	CERVICALE HEIGHT MINUS	56.52	0.06	2.81	0.05	5.0	1905	0.09	2.98
	TROCHANTERIC HEIGHT	22.25	0.03	1.11	0.02	5.0	1905	0.09	2.98
320	CERVICALE HEIGHT MINUS	56.98	0.06	2.83	0.05	5.0	1905	0.08	2.94
	BUTTOCK HEIGHT	22.43	0.03	1.11	0.02	5.0	1905	0.08	2.94
321	CERVICALE HEIGHT MINUS	66.49	0.07	3.08	0.05	4.6	1905	0.10	2.92
	GLUTEAL FURROW HEIGHT	26.18	0.03	1.21	0.02	4.6	1905	0.10	2.92
322	CERVICALE HEIGHT MINUS	97.21	0.09	3.84	0.06	3.9	1905	0.11	2.79
	TIBIALE HEIGHT	38.27	0.03	1.51	0.02	3.9	1905	0.11	2.79
323	CERVICALE HEIGHT MINUS	64.69	0.06	2.78	0.05	4.3	1905	0.03	2.87
	CROTCH HEIGHT	25.47	0.03	1.09	0.02	4.3	1905	0.03	2.87
324	CERVICALE HEIGHT MINUS	128.01	0.12	5.23	0.08	4.1	1905	0.14	2.78
	ANKLE HEIGHT	50.40	0.05	2.06	0.03	4.1	1905	0.14	2.78
325	CERVICALE HEIGHT MINUS	132.42	0.12	5.30	0.09	4.0	1905	0.13	2.78
	LATERAL MALLEOLUS HEIGHT	52.13	0.05	2.09	0.03	4.0	1905	0.13	2.78
326	ACROMIAL HEIGHT MINUS	-0.14	0.03	1.39	0.02	GT99	1905	0.11	3.29
	SUPRASTERNALE HEIGHT	-0.06	0.01	0.55	0.01	GT99	1905	0.11	3.29
327	ACROMIAL HEIGHT MINUS	13.54	0.04	1.95	0.03	14.4	1905	0.06	3.14
	BUSTPOINT HEIGHT	5.33	0.02	0.77	0.01	14.4	1905	0.06	3.14
328	ACROMIAL HEIGHT MINUS	31.58	0.05	2.23	0.04	7.0	1905	0.25	3.25
	WAIST HEIGHT	12.43	0.02	0.88	0.01	7.0	1905	0.25	3.25
329	ACROMIAL HEIGHT MINUS	38.71	0.06	2.44	0.04	6.3	1905	0.14	3.05
	ABDOMINAL EXTENSION HEIGHT	15.24	0.02	0.96	0.02	6.3	1905	0.14	3.05
330	ACROMIAL HEIGHT MINUS	49.19	0.06	2.78	0.05	5.6	1905	0.16	3.18
	TROCHANTERIC HEIGHT	19.37	0.03	1.09	0.02	5.6	1905	0.16	3.18
331	ACROMIAL HEIGHT MINUS	49.65	0.07	2.86	0.05	5.8	1905	0.08	3.04
	BUTTOCK HEIGHT	19.55	0.03	1.12	0.02	5.8	1905	0.08	3.04
332	ACROMIAL HEIGHT MINUS	59.16	0.07	3.13	0.05	5.3	1905	0.16	2.89
	GLUTEAL FURROW HEIGHT	23.29	0.03	1.23	0.02	5.3	1905	0.16	2.89
333	ACROMIAL HEIGHT MINUS	89.88	0.09	3.86	0.06	4.3	1905	0.12	2.81
	TIBIALE HEIGHT	35.38	0.03	1.52	0.02	4.3	1905	0.12	2.81
334	ACROMIAL HEIGHT MINUS	57.36	0.07	2.84	0.05	5.0	1905	0.09	2.93
	CROTCH HEIGHT	22.58	0.03	1.12	0.02	5.0	1905	0.09	2.93
335	ACROMIAL HEIGHT MINUS	120.67	0.12	5.21	0.08	4.3	1905	0.14	2.79
	ANKLE HEIGHT	47.51	0.05	2.05	0.03	4.3	1905	0.14	2.79
336	ACROMIAL HEIGHT MINUS	125.09	0.12	5.26	0.09	4.2	1905	0.13	2.76
	LATERAL MALLEOLUS HEIGHT	49.25	0.05	2.07	0.03	4.2	1905	0.13	2.76

UNITS...UPPER LINES, CENTIMETERS OR KILOGRAMS...LOWER LINES, INCHES OR POUNDS

TABLE XXXIX

STATISTICAL SUMMARIES AND SELECTED PERCENTILES FOR COMPUTED VARIABLES

PERCENTILES													VAR
1ST	5TH	10TH	15TH	25TH	35TH	50TH	65TH	75TH	85TH	90TH	95TH	99TH	NO
50.2	51.9	52.9	53.6	54.6	55.4	56.5	57.6	58.4	59.4	60.1	61.2	63.2	319
19.8	20.5	20.8	21.1	21.5	21.8	22.2	22.7	23.0	23.4	23.7	24.1	24.9	
50.5	52.4	53.4	54.1	55.1	55.8	56.9	58.0	58.9	59.9	60.7	61.8	63.8	320
19.9	20.6	21.0	21.3	21.7	22.0	22.4	22.8	23.2	23.6	23.9	24.3	25.1	
59.8	61.5	62.5	63.2	64.3	65.2	66.5	67.7	68.6	69.7	70.5	71.6	73.9	321
23.5	24.2	24.6	24.9	25.3	25.7	26.2	26.6	27.0	27.4	27.7	28.2	29.1	
88.8	91.0	92.3	93.2	94.5	95.6	97.1	98.7	99.9	101.3	102.3	103.7	106.0	322
34.9	35.8	36.3	36.7	37.2	37.6	38.2	38.8	39.3	39.9	40.3	40.8	41.7	
58.3	60.1	61.1	61.8	62.8	63.6	64.7	65.8	66.6	67.6	68.3	69.3	71.3	323
23.0	23.7	24.1	24.3	24.7	25.0	25.5	25.9	26.2	26.6	26.9	27.3	28.1	
117.1	119.6	121.3	122.4	124.2	125.8	127.9	130.0	131.6	133.6	134.9	136.8	140.2	324
46.1	47.1	47.7	48.2	48.9	49.5	50.3	51.2	51.8	52.6	53.1	53.9	55.2	
121.1	123.9	125.6	126.8	128.7	130.2	132.3	134.4	136.0	138.0	139.3	141.3	145.0	325
47.7	48.8	49.5	49.9	50.7	51.3	52.1	52.9	53.5	54.3	54.9	55.6	57.1	
-3.4	-2.4	-1.9	-1.6	-1.1	-0.7	-0.1	0.4	0.8	1.3	1.6	2.1	3.2	326
-1.3	-1.0	-0.8	-0.6	-0.4	-0.3	-0.1	0.1	0.3	0.5	0.6	0.8	1.3	
9.1	10.4	11.1	11.5	12.2	12.8	13.5	14.3	14.8	15.6	16.1	16.8	18.2	327
3.6	4.1	4.4	4.5	4.8	5.0	5.3	5.6	5.8	6.1	6.3	6.6	7.2	
26.6	28.1	28.9	29.3	30.1	30.7	31.5	32.3	33.0	33.9	34.5	35.4	37.2	328
10.5	11.1	11.4	11.6	11.8	12.1	12.4	12.7	13.0	13.3	13.6	13.9	14.6	
33.3	34.7	35.6	36.2	37.0	37.7	38.7	39.6	40.3	41.2	41.8	42.8	44.7	329
13.1	13.7	14.0	14.2	14.6	14.9	15.2	15.6	15.9	16.2	16.5	16.8	17.6	
42.9	44.8	45.7	46.4	47.3	48.0	49.1	50.1	51.0	52.1	52.8	54.0	56.1	330
16.9	17.6	18.0	18.3	18.6	18.9	19.3	19.7	20.1	20.5	20.8	21.2	22.1	
43.0	45.1	46.1	46.7	47.7	48.5	49.6	50.7	51.5	52.6	53.4	54.5	56.7	331
16.9	17.7	18.1	18.4	18.8	19.1	19.5	19.9	20.3	20.7	21.0	21.5	22.3	
52.4	54.2	55.2	55.9	57.0	57.8	59.1	60.3	61.3	62.5	63.3	64.5	66.9	332
20.6	21.3	21.7	22.0	22.4	22.8	23.2	23.7	24.1	24.6	24.9	25.4	26.3	
81.2	83.7	85.0	85.8	87.1	88.2	89.8	91.3	92.5	94.1	95.1	96.5	98.6	333
32.0	32.9	33.4	33.8	34.3	34.7	35.3	36.0	36.4	37.0	37.4	38.0	38.8	
50.9	52.6	53.7	54.4	55.4	56.2	57.3	58.4	59.3	60.3	61.0	62.1	64.3	334
20.0	20.7	21.1	21.4	21.8	22.1	22.6	23.0	23.3	23.7	24.0	24.4	25.3	
109.4	112.3	114.0	115.1	116.9	118.4	120.5	122.6	124.2	126.3	127.6	129.6	132.8	335
43.1	44.2	44.9	45.3	46.0	46.6	47.4	48.3	48.9	49.7	50.2	51.0	52.3	
113.7	116.5	118.3	119.5	121.3	122.9	124.9	127.1	128.6	130.6	132.0	133.9	137.6	336
44.7	45.9	46.6	47.0	47.8	48.4	49.2	50.0	50.6	51.4	52.0	52.7	54.2	

UNITS...UPPER LINES, CENTIMETERS OR KILOGRAMS...LOWER LINES, INCHES OR POUNDS

TABLE XXXIX

STATISTICAL SUMMARIES AND SELECTED PERCENTILES FOR COMPUTED VARIABLES

	VARIABLE	MEAN	SE (M)	ST DEV	SE (SD)	COEF VAR	SAMPLE SIZE	SYMM ETRY	KURT OSIS
337	SUPRASTERNALE MINUS	13.68	0.04	1.79	0.03	13.1	1905	0.09	3.14
	BUSTPOINT HEIGHT	5.39	0.02	0.71	0.01	13.1	1905	0.09	3.14
338	SUPRASTERNALE MINUS	31.72	0.05	1.99	0.03	6.3	1905	0.25	3.40
	WAIST HEIGHT	12.49	0.02	0.78	0.01	6.3	1905	0.25	3.40
339	SUPRASTERNALE MINUS	38.85	0.05	2.17	0.04	5.6	1905	0.18	3.18
	ABDOMINAL EXTENSION HEIGHT	15.30	0.02	0.86	0.01	5.6	1905	0.18	3.18
340	SUPRASTERNALE MINUS	49.33	0.06	2.60	0.04	5.3	1905	0.15	2.97
	TROCHANTERIC HEIGHT	19.42	0.02	1.02	0.02	5.3	1905	0.15	2.97
341	SUPRASTERNALE MINUS	49.79	0.06	2.67	0.04	5.4	1905	0.11	3.16
	BUTTOCK HEIGHT	19.60	0.02	1.05	0.02	5.4	1905	0.11	3.16
342	SUPRASTERNALE MINUS	59.30	0.07	2.95	0.05	5.0	1905	0.15	2.88
	GLUTEAL FURROW HEIGHT	23.35	0.03	1.16	0.02	5.0	1905	0.15	2.88
343	SUPRASTERNALE MINUS	90.02	0.08	3.66	0.06	4.1	1905	0.12	2.80
	TIBIALE HEIGHT	35.44	0.03	1.44	0.02	4.1	1905	0.12	2.80
344	SUPRASTERNALE MINUS	57.50	0.06	2.60	0.04	4.5	1905	0.08	2.89
	CROTCH HEIGHT	22.64	0.02	1.02	0.02	4.5	1905	0.08	2.89
345	SUPRASTERNALE MINUS	120.81	0.12	5.04	0.08	4.2	1905	0.14	2.78
	ANKLE HEIGHT	47.56	0.05	1.98	0.03	4.2	1905	0.14	2.78
346	SUPRASTERNALE MINUS	125.23	0.12	5.08	0.08	4.1	1905	0.14	2.79
	LATERAL MALLEOLUS HEIGHT	49.30	0.05	2.00	0.03	4.1	1905	0.14	2.79
347	BUSTPOINT HEIGHT MINUS	18.04	0.05	2.31	0.04	12.8	1905	0.11	3.16
	WAIST HEIGHT	7.10	0.02	0.91	0.01	12.8	1905	0.11	3.16
348	BUSTPOINT HEIGHT MINUS	25.17	0.05	2.36	0.04	9.4	1905	0.09	3.14
	ABDOMINAL EXTENSION HEIGHT	9.91	0.02	0.93	0.02	9.4	1905	0.09	3.14
349	BUSTPOINT HEIGHT MINUS	35.65	0.06	2.70	0.04	7.6	1905	0.09	2.96
	TROCHANTERIC HEIGHT	14.03	0.02	1.06	0.02	7.6	1905	0.09	2.96
350	BUSTPOINT HEIGHT MINUS	36.11	0.06	2.81	0.05	7.8	1905	0.11	3.18
	BUTTOCK HEIGHT	14.21	0.03	1.10	0.02	7.8	1905	0.11	3.18
351	BUSTPOINT HEIGHT MINUS	45.62	0.07	2.88	0.05	6.3	1905	0.16	3.10
	GLUTEAL FURROW HEIGHT	17.96	0.03	1.14	0.02	6.3	1905	0.16	3.10
352	BUSTPOINT HEIGHT MINUS	76.34	0.08	3.65	0.06	4.8	1905	0.19	3.01
	TIBIALE HEIGHT	30.05	0.03	1.44	0.02	4.8	1905	0.19	3.01
353	BUSTPOINT HEIGHT MINUS	43.81	0.06	2.68	0.04	6.1	1905	0.11	2.98
	CROTCH HEIGHT	17.25	0.02	1.06	0.02	6.1	1905	0.11	2.98
354	BUSTPOINT HEIGHT MINUS	107.13	0.11	4.98	0.08	4.6	1905	0.20	2.98
	ANKLE HEIGHT	42.18	0.04	1.96	0.03	4.6	1905	0.20	2.98

UNITS...UPPER LINES, CENTIMETERS OR KILOGRAMS...LOWER LINES, INCHES OR POUNDS

TABLE XXXIX

STATISTICAL SUMMARIES AND SELECTED PERCENTILES FOR COMPUTED VARIABLES

PERCENTILES													VAR
1ST	5TH	10TH	15TH	25TH	35TH	50TH	65TH	75TH	85TH	90TH	95TH	99TH	NO
9.5	10.8	11.4	11.9	12.5	13.0	13.6	14.3	14.9	15.5	16.0	16.7	18.1	337
3.7	4.2	4.5	4.7	4.9	5.1	5.4	5.6	5.8	6.1	6.3	6.6	7.1	
27.3	28.6	29.2	29.7	30.4	30.9	31.7	32.4	33.0	33.7	34.2	35.1	37.0	338
10.7	11.2	11.5	11.7	12.0	12.2	12.5	12.8	13.0	13.3	13.5	13.8	14.6	
34.1	35.4	36.1	36.6	37.4	38.0	38.8	39.6	40.3	41.1	41.7	42.5	44.3	339
13.4	13.9	14.2	14.4	14.7	15.0	15.3	15.6	15.8	16.2	16.4	16.7	17.5	
43.5	45.1	46.0	46.6	47.5	48.3	49.3	50.3	51.1	52.0	52.7	53.7	55.6	340
17.1	17.8	18.1	18.4	18.7	19.0	19.4	19.8	20.1	20.5	20.8	21.1	21.9	
43.7	45.4	46.4	47.0	48.0	48.8	49.8	50.8	51.5	52.5	53.2	54.2	56.5	341
17.2	17.9	18.3	18.5	18.9	19.2	19.6	20.0	20.3	20.7	20.9	21.3	22.2	
52.9	54.6	55.6	56.2	57.2	58.1	59.2	60.4	61.3	62.4	63.2	64.3	66.4	342
20.8	21.5	21.9	22.1	22.5	22.9	23.3	23.8	24.1	24.6	24.9	25.3	26.1	
82.0	84.1	85.3	86.2	87.4	88.5	89.9	91.4	92.5	93.9	94.9	96.2	98.5	343
32.3	33.1	33.6	33.9	34.4	34.8	35.4	36.0	36.4	37.0	37.3	37.9	38.8	
51.6	53.2	54.2	54.8	55.7	56.5	57.5	58.5	59.2	60.2	60.9	61.8	63.7	344
20.3	21.0	21.3	21.6	21.9	22.2	22.6	23.0	23.3	23.7	24.0	24.3	25.1	
109.9	112.7	114.3	115.5	117.2	118.7	120.7	122.7	124.2	126.1	127.4	129.3	132.9	345
43.3	44.4	45.0	45.5	46.2	46.7	47.5	48.3	48.9	49.7	50.2	50.9	52.3	
114.2	117.0	118.7	119.9	121.6	123.1	125.1	127.1	128.6	130.6	131.9	133.8	137.5	346
45.0	46.1	46.7	47.2	47.9	48.5	49.2	50.0	50.6	51.4	51.9	52.7	54.1	
12.7	14.3	15.1	15.7	16.5	17.2	18.0	18.9	19.5	20.4	21.0	21.9	23.9	347
5.0	5.6	6.0	6.2	6.5	6.8	7.1	7.4	7.7	8.0	8.3	8.6	9.4	
19.7	21.4	22.2	22.8	23.6	24.2	25.1	26.0	26.7	27.6	28.2	29.1	30.7	348
7.8	8.4	8.7	9.0	9.3	9.5	9.9	10.2	10.5	10.9	11.1	11.5	12.1	
29.4	31.2	32.1	32.8	33.8	34.6	35.6	36.7	37.4	38.4	39.1	40.1	42.5	349
11.6	12.3	12.7	12.9	13.3	13.6	14.0	14.4	14.7	15.1	15.4	15.8	16.7	
29.6	31.6	32.6	33.3	34.2	35.0	36.0	37.1	37.9	39.0	39.7	40.9	43.2	350
11.6	12.4	12.8	13.1	13.5	13.8	14.2	14.6	14.9	15.3	15.6	16.1	17.0	
39.3	40.8	41.8	42.6	43.6	44.5	45.6	46.7	47.5	48.5	49.2	50.4	53.0	351
15.5	16.1	16.5	16.8	17.2	17.5	18.0	18.4	18.7	19.1	19.4	19.8	20.9	
68.3	70.6	71.8	72.6	73.8	74.8	76.2	77.7	78.8	80.2	81.2	82.6	84.8	352
26.9	27.8	28.2	28.6	29.0	29.4	30.0	30.6	31.0	31.6	32.0	32.5	33.4	
37.7	39.4	40.4	41.0	42.0	42.8	43.8	44.8	45.6	46.6	47.2	48.3	50.4	353
14.8	15.5	15.9	16.2	16.5	16.8	17.2	17.6	17.9	18.3	18.6	19.0	19.9	
96.1	99.2	100.8	102.0	103.6	105.0	106.9	108.9	110.4	112.4	113.7	115.6	119.1	354
37.8	39.1	39.7	40.1	40.8	41.3	42.1	42.9	43.5	44.2	44.8	45.5	46.9	

UNITS...UPPER LINES, CENTIMETERS OR KILOGRAMS...LOWER LINES, INCHES OR POUNDS

TABLE XXXIX

STATISTICAL SUMMARIES AND SELECTED PERCENTILES FOR COMPUTED VARIABLES

	VARIABLE	MEAN	SE (M)	ST DEV	SE (SD)	COEF VAR	SAMPLE SIZE	SYMM ETRY	KURT OSIS
355	BUSTPOINT HEIGHT MINUS	111.54	0.11	5.01	0.08	4.5	1905	0.19	3.00
	LATERAL MALLEOLUS HEIGHT	43.92	0.05	1.97	0.03	4.5	1905	0.19	3.00
356	WAIST HEIGHT MINUS	7.13	0.03	1.45	0.02	20.4	1905	0.38	3.49
	ABDOMINAL EXTENSION HEIGHT	2.81	0.01	0.57	0.01	20.4	1905	0.38	3.49
357	WAIST HEIGHT MINUS	17.61	0.05	2.01	0.03	11.4	1905	-0.17	3.48
	TROCHANTERIC HEIGHT	6.93	0.02	0.79	0.01	11.4	1905	-0.17	3.48
358	WAIST HEIGHT MINUS	18.07	0.05	2.06	0.03	11.4	1905	0.05	3.39
	BUTTOCK HEIGHT	7.11	0.02	0.81	0.01	11.4	1905	0.05	3.39
359	WAIST HEIGHT MINUS	27.58	0.05	2.26	0.04	8.2	1905	0.09	3.17
	GLUTEAL FURROW HEIGHT	10.86	0.02	0.89	0.01	8.2	1905	0.09	3.17
360	WAIST HEIGHT MINUS	58.30	0.07	2.85	0.05	4.9	1905	0.09	2.88
	TIBIALE HEIGHT	22.95	0.03	1.12	0.02	4.9	1905	0.09	2.88
361	WAIST HEIGHT MINUS	25.77	0.04	1.87	0.03	7.3	1905	-0.10	3.26
	CROTCH HEIGHT	10.15	0.02	0.74	0.01	7.3	1905	-0.10	3.26
362	WAIST HEIGHT MINUS	89.09	0.10	4.27	0.07	4.8	1905	0.15	2.85
	ANKLE HEIGHT	35.08	0.04	1.68	0.03	4.8	1905	0.15	2.85
363	WAIST HEIGHT MINUS	93.50	0.10	4.29	0.07	4.6	1905	0.13	2.87
	LATERAL MALLEOLUS HEIGHT	36.81	0.04	1.69	0.03	4.6	1905	0.13	2.87
364	ABDOMINAL EXTENSION HGHT MINUS	10.48	0.05	1.99	0.03	19.0	1905	-0.12	3.37
	TROCHANTERIC HEIGHT	4.13	0.02	0.78	0.01	19.0	1905	-0.12	3.37
365	ABDOMINAL EXTENSION HGHT MINUS	10.94	0.05	1.99	0.03	18.2	1905	-0.09	3.56
	BUTTOCK HEIGHT	4.31	0.02	0.78	0.01	18.2	1905	-0.09	3.56
366	ABDOMINAL EXTENSION HGHT MINUS	20.45	0.05	2.16	0.03	10.5	1905	0.14	3.25
	GLUTEAL FURROW HEIGHT	8.05	0.02	0.85	0.01	10.5	1905	0.14	3.25
367	ABDOMINAL EXTENSION HGHT MINUS	51.17	0.06	2.77	0.04	5.4	1905	0.09	2.82
	TIBIALE HEIGHT	20.15	0.02	1.09	0.02	5.4	1905	0.09	2.82
368	ABDOMINAL EXTENSION HGHT MINUS	18.65	0.04	1.75	0.03	9.4	1905	-0.05	3.07
	CROTCH HEIGHT	7.34	0.02	0.69	0.01	9.4	1905	-0.05	3.07
369	ABDOMINAL EXTENSION HGHT MINUS	81.97	0.10	4.25	0.07	5.2	1905	0.14	2.85
	ANKLE HEIGHT	32.27	0.04	1.67	0.03	5.2	1905	0.14	2.85
370	ABDOMINAL EXTENSION HGHT MINUS	86.38	0.10	4.22	0.07	4.9	1905	0.14	2.89
	LATERAL MALLEOLUS HEIGHT	34.01	0.04	1.66	0.03	4.9	1905	0.14	2.89
371	TROCHANTERIC HEIGHT MINUS	0.46	0.05	2.03	0.03	GT99	1905	0.11	3.07
	BUTTOCK HEIGHT	0.18	0.02	0.80	0.01	GT99	1905	0.11	3.07
372	TROCHANTERIC HEIGHT MINUS	9.97	0.05	2.19	0.04	22.0	1905	0.11	2.89
	GLUTEAL FURROW HEIGHT	3.93	0.02	0.86	0.01	22.0	1905	0.11	2.89

UNITS...UPPER LINES, CENTIMETERS OR KILOGRAMS...LOWER LINES, INCHES OR POUNDS

TABLE XXXIX

STATISTICAL SUMMARIES AND SELECTED PERCENTILES FOR COMPUTED VARIABLES

PERCENTILES													VAR
1ST	5TH	10TH	15TH	25TH	35TH	50TH	65TH	75TH	85TH	90TH	95TH	99TH	NO
100.3	103.6	105.3	106.4	108.1	109.5	111.3	113.3	114.8	116.8	118.2	120.2	123.8	355
39.5	40.8	41.4	41.9	42.5	43.1	43.8	44.6	45.2	46.0	46.5	47.3	48.7	
3.8	4.9	5.4	5.7	6.2	6.5	7.0	7.6	8.0	8.6	9.0	9.7	11.1	356
1.5	1.9	2.1	2.2	2.4	2.6	2.8	3.0	3.1	3.4	3.6	3.8	4.4	
12.3	14.3	15.1	15.6	16.4	16.9	17.6	18.4	18.9	19.6	20.1	20.9	22.3	357
4.8	5.6	6.0	6.2	6.4	6.7	6.9	7.2	7.4	7.7	7.9	8.2	8.8	
13.0	14.6	15.5	16.0	16.7	17.3	18.1	18.8	19.4	20.1	20.7	21.5	23.2	358
5.1	5.8	6.1	6.3	6.6	6.8	7.1	7.4	7.6	7.9	8.1	8.5	9.1	
22.3	24.0	24.8	25.3	26.1	26.7	27.5	28.4	29.1	29.9	30.5	31.4	32.9	359
8.8	9.4	9.8	10.0	10.3	10.5	10.8	11.2	11.4	11.8	12.0	12.4	12.9	
52.0	53.7	54.7	55.3	56.3	57.2	58.3	59.4	60.2	61.2	62.0	63.1	65.2	360
20.5	21.1	21.5	21.8	22.2	22.5	22.9	23.4	23.7	24.1	24.4	24.8	25.7	
21.1	22.6	23.4	23.9	24.6	25.1	25.8	26.5	27.0	27.7	28.1	28.8	30.1	361
8.3	8.9	9.2	9.4	9.7	9.9	10.2	10.4	10.6	10.9	11.1	11.3	11.9	
80.1	82.2	83.6	84.6	86.1	87.3	89.0	90.7	92.0	93.6	94.7	96.3	99.4	362
31.5	32.4	32.9	33.3	33.9	34.4	35.0	35.7	36.2	36.9	37.3	37.9	39.1	
84.0	86.6	88.0	89.0	90.5	91.7	93.4	95.1	96.4	98.0	99.1	100.8	103.6	363
33.1	34.1	34.7	35.0	35.6	36.1	36.8	37.4	38.0	38.6	39.0	39.7	40.8	
5.6	7.1	7.9	8.5	9.2	9.8	10.5	11.2	11.8	12.4	12.9	13.6	15.4	364
2.2	2.8	3.1	3.3	3.6	3.9	4.2	4.4	4.6	4.9	5.1	5.4	6.1	
6.2	7.6	8.4	8.9	9.7	10.2	11.0	11.7	12.2	12.9	13.4	14.2	15.7	365
2.4	3.0	3.3	3.5	3.8	4.0	4.3	4.6	4.8	5.1	5.3	5.6	6.2	
15.4	17.0	17.8	18.3	19.0	19.6	20.4	21.2	21.8	22.7	23.2	24.1	25.8	366
6.0	6.7	7.0	7.2	7.5	7.7	8.0	8.3	8.6	8.9	9.1	9.5	10.2	
44.9	46.7	47.6	48.3	49.2	50.0	51.1	52.2	53.1	54.1	54.8	55.8	57.5	367
17.7	18.4	18.7	19.0	19.4	19.7	20.1	20.6	20.9	21.3	21.6	22.0	22.6	
14.4	15.7	16.4	16.8	17.5	18.0	18.7	19.3	19.8	20.4	20.8	21.5	22.8	368
5.7	6.2	6.5	6.6	6.9	7.1	7.4	7.6	7.8	8.0	8.2	8.4	9.0	
72.6	75.1	76.5	77.5	79.0	80.2	81.9	83.5	84.8	86.4	87.5	89.1	92.1	369
28.6	29.6	30.1	30.5	31.1	31.6	32.2	32.9	33.4	34.0	34.5	35.1	36.3	
77.0	79.7	81.1	82.0	83.4	84.6	86.2	87.9	89.2	90.9	92.0	93.6	96.5	370
30.3	31.4	31.9	32.3	32.8	33.3	33.9	34.6	35.1	35.8	36.2	36.9	38.0	
-4.0	-2.8	-2.1	-1.7	-0.9	-0.3	0.4	1.2	1.8	2.5	3.1	3.9	5.5	371
-1.6	-1.1	-0.8	-0.7	-0.4	-0.1	0.2	0.5	0.7	1.0	1.2	1.5	2.2	
5.1	6.4	7.2	7.7	8.5	9.1	9.9	10.8	11.4	12.3	12.8	13.7	15.2	372
2.0	2.5	2.8	3.0	3.3	3.6	3.9	4.2	4.5	4.8	5.1	5.4	6.0	

UNITS...UPPER LINES, CENTIMETERS OR KILOGRAMS...LOWER LINES, INCHES OR POUNDS

TABLE XXXIX

STATISTICAL SUMMARIES AND SELECTED PERCENTILES FOR COMPUTED VARIABLES

	VARIABLE	MEAN	SE (M)	ST DEV	SE (SD)	COEF VAR	SAMPLE SIZE	SYMM ETRY	KURT OSIS
373	TROCHANTERIC HEIGHT MINUS	40.69	0.06	2.82	0.05	6.9	1905	0.03	2.78
	TIBIALE HEIGHT	16.02	0.03	1.11	0.02	6.9	1905	0.03	2.78
374	TROCHANTERIC HEIGHT MINUS	8.17	0.04	1.86	0.03	22.7	1905	0.01	3.28
	CROTCH HEIGHT	3.22	0.02	0.73	0.01	22.7	1905	0.01	3.28
375	TROCHANTERIC HEIGHT MINUS	71.49	0.09	4.13	0.07	5.8	1905	0.10	2.80
	ANKLE HEIGHT	28.14	0.04	1.63	0.03	5.8	1905	0.10	2.80
376	TROCHANTERIC HEIGHT MINUS	75.90	0.09	4.08	0.07	5.4	1905	0.10	2.85
	LATERAL MALLEOLUS HEIGHT	29.88	0.04	1.61	0.03	5.4	1905	0.10	2.85
377	BUTTOCK HEIGHT MINUS	9.51	0.04	1.96	0.03	20.6	1905	0.15	3.20
	GLUTEAL FURROW HEIGHT	3.74	0.02	0.77	0.01	20.6	1905	0.15	3.20
378	BUTTOCK HEIGHT MINUS	40.23	0.06	2.60	0.04	6.5	1905	0.07	2.99
	TIBIALE HEIGHT	15.84	0.02	1.02	0.02	6.5	1905	0.07	2.99
379	BUTTOCK HEIGHT MINUS	7.71	0.04	1.78	0.03	23.0	1905	-0.05	3.43
	CROTCH HEIGHT	3.03	0.02	0.70	0.01	23.0	1905	-0.05	3.43
380	BUTTOCK HEIGHT MINUS	71.03	0.09	3.97	0.06	5.6	1905	0.10	2.91
	ANKLE HEIGHT	27.96	0.04	1.56	0.03	5.6	1905	0.10	2.91
381	BUTTOCK HEIGHT MINUS	75.44	0.09	3.97	0.06	5.3	1905	0.09	3.03
	LATERAL MALLEOLUS HEIGHT	29.70	0.04	1.56	0.03	5.3	1905	0.09	3.03
382	GLUTEAL FURROW HEIGHT MINUS	30.72	0.06	2.47	0.04	8.1	1905	0.06	2.97
	TIBIALE HEIGHT	12.09	0.02	0.97	0.02	8.1	1905	0.06	2.97
383	GLUTEAL FURROW HEIGHT MINUS	-1.80	0.04	1.93	0.03	GT99	1905	-0.18	3.06
	CROTCH HEIGHT	-0.71	0.02	0.76	0.01	GT99	1905	-0.18	3.06
384	GLUTEAL FURROW HEIGHT MINUS	61.51	0.09	3.77	0.06	6.1	1905	0.17	3.08
	ANKLE HEIGHT	24.22	0.03	1.48	0.02	6.1	1905	0.17	3.08
385	GLUTEAL FURROW HEIGHT MINUS	65.93	0.09	3.79	0.06	5.7	1905	0.12	3.00
	LATERAL MALLEOLUS HEIGHT	25.96	0.03	1.49	0.02	5.7	1905	0.12	3.00
386	TIBIALE HEIGHT MINUS	-32.52	0.05	2.40	0.04	7.4	1905	-0.10	2.98
	CROTCH HEIGHT	-12.80	0.02	0.94	0.02	7.4	1905	-0.10	2.98
387	TIBIALE HEIGHT MINUS	30.80	0.05	2.15	0.03	7.0	1905	0.18	2.97
	ANKLE HEIGHT	12.12	0.02	0.85	0.01	7.0	1905	0.18	2.97
388	TIBIALE HEIGHT MINUS	35.21	0.05	2.22	0.04	6.3	1905	0.20	3.02
	LATERAL MALLEOLUS HEIGHT	13.86	0.02	0.87	0.01	6.3	1905	0.20	3.02
389	CROTCH HEIGHT MINUS	63.32	0.09	3.83	0.06	6.0	1905	0.17	3.00
	ANKLE HEIGHT	24.93	0.03	1.51	0.02	6.0	1905	0.17	3.00
390	CROTCH HEIGHT MINUS	67.73	0.09	3.85	0.06	5.7	1905	0.15	3.02
	LATERAL MALLEOLUS HEIGHT	26.67	0.03	1.52	0.02	5.7	1905	0.15	3.02

UNITS...UPPER LINES, CENTIMETERS OR KILOGRAMS...LOWER LINES, INCHES OR POUNDS

TABLE XXXIX

STATISTICAL SUMMARIES AND SELECTED PERCENTILES FOR COMPUTED VARIABLES

PERCENTILES												VAR
1ST	5TH	10TH	15TH	25TH	35TH	50TH	65TH	75TH	85TH	90TH	95TH	99TH	NO
34.6	36.1	37.0	37.7	38.7	39.5	40.7	41.8	42.7	43.7	44.4	45.4	47.0	373
13.6	14.2	14.6	14.8	15.2	15.6	16.0	16.5	16.8	17.2	17.5	17.9	18.5	
3.9	5.2	5.8	6.3	6.9	7.5	8.1	8.9	9.4	10.1	10.5	11.2	12.6	374
1.5	2.0	2.3	2.5	2.7	2.9	3.2	3.5	3.7	4.0	4.1	4.4	5.0	
62.4	64.7	66.1	67.1	68.6	69.8	71.4	73.1	74.3	75.9	76.9	78.4	81.2	375
24.6	25.5	26.0	26.4	27.0	27.5	28.1	28.8	29.3	29.9	30.3	30.9	32.0	
66.8	69.2	70.6	71.6	73.1	74.2	75.8	77.4	78.6	80.2	81.2	82.7	85.6	376
26.3	27.3	27.8	28.2	28.8	29.2	29.9	30.5	31.0	31.6	32.0	32.6	33.7	
5.0	6.4	7.1	7.5	8.2	8.7	9.5	10.2	10.8	11.5	12.0	12.8	14.5	377
2.0	2.5	2.8	3.0	3.2	3.4	3.7	4.0	4.2	4.5	4.7	5.1	5.7	
34.5	36.0	36.9	37.5	38.4	39.2	40.2	41.2	42.0	43.0	43.6	44.6	46.4	378
13.6	14.2	14.5	14.8	15.1	15.4	15.8	16.2	16.5	16.9	17.2	17.5	18.3	
3.4	4.7	5.4	5.9	6.6	7.1	7.8	8.4	8.9	9.5	9.9	10.5	12.0	379
1.4	1.9	2.1	2.3	2.6	2.8	3.1	3.3	3.5	3.7	3.9	4.1	4.7	
62.4	64.7	66.0	66.9	68.3	69.4	71.0	72.5	73.7	75.2	76.2	77.7	80.4	380
24.6	25.5	26.0	26.3	26.9	27.3	27.9	28.6	29.0	29.6	30.0	30.6	31.7	
66.9	69.1	70.4	71.3	72.7	73.8	75.4	76.9	78.2	79.7	80.7	82.2	84.8	381
26.3	27.2	27.7	28.1	28.6	29.1	29.7	30.3	30.8	31.4	31.8	32.3	33.4	
25.0	26.7	27.6	28.1	29.0	29.7	30.7	31.7	32.4	33.3	33.9	34.8	36.4	382
9.9	10.5	10.8	11.1	11.4	11.7	12.1	12.5	12.8	13.1	13.4	13.7	14.3	
-6.6	-5.1	-4.3	-3.8	-3.1	-2.5	-1.7	-1.0	-0.5	0.2	0.6	1.3	2.5	383
-2.6	-2.0	-1.7	-1.5	-1.2	-1.0	-0.7	-0.4	-0.2	0.1	0.2	0.5	1.0	
53.1	55.5	56.8	57.6	58.9	60.0	61.4	62.9	64.0	65.5	66.5	67.9	70.4	384
20.9	21.9	22.4	22.7	23.2	23.6	24.2	24.8	25.2	25.8	26.2	26.7	27.7	
57.7	59.9	61.1	62.0	63.3	64.4	65.8	67.3	68.5	69.9	70.9	72.3	74.9	385
22.7	23.6	24.1	24.4	24.9	25.3	25.9	26.5	27.0	27.5	27.9	28.5	29.5	
-38.3	-36.6	-35.7	-35.0	-34.1	-33.4	-32.5	-31.6	-30.9	-30.1	-29.5	-28.7	-27.0	386
-15.1	-14.4	-14.0	-13.8	-13.4	-13.2	-12.8	-12.4	-12.2	-11.8	-11.6	-11.3	-10.6	
26.1	27.4	28.1	28.6	29.3	29.9	30.7	31.6	32.2	33.0	33.6	34.4	36.0	387
10.3	10.8	11.1	11.2	11.5	11.8	12.1	12.4	12.7	13.0	13.2	13.6	14.2	
30.3	31.7	32.4	32.9	33.7	34.3	35.1	36.0	36.6	37.5	38.1	39.0	40.8	388
11.9	12.5	12.8	13.0	13.3	13.5	13.8	14.2	14.4	14.8	15.0	15.4	16.1	
54.9	57.2	58.5	59.3	60.7	61.7	63.2	64.7	65.9	67.3	68.3	69.8	72.6	389
21.6	22.5	23.0	23.4	23.9	24.3	24.9	25.5	25.9	26.5	26.9	27.5	28.6	
59.2	61.6	62.9	63.7	65.1	66.2	67.6	69.1	70.2	71.7	72.7	74.3	77.3	390
23.3	24.2	24.7	25.1	25.6	26.0	26.6	27.2	27.7	28.2	28.6	29.2	30.4	

UNITS...UPPER LINES, CENTIMETERS OR KILOGRAMS...LOWER LINES, INCHES OR POUNDS

TABLE XXXIX

STATISTICAL SUMMARIES AND SELECTED PERCENTILES FOR COMPUTED VARIABLES

	VARIABLE	MEAN	SE (M)	ST DEV	SE (SD)	COEF VAR	SAMPLE SIZE	SYMM ETRY	KURT OSIS
391	ANKLE HEIGHT MINUS	4.41	0.03	1.35	0.02	30.7	1905	0.32	2.58
	LATERAL MALLEOLUS HEIGHT	1.74	0.01	0.53	0.01	30.7	1905	0.32	2.58
392	SITTING HEIGHT MINUS	11.90	0.03	1.19	0.02	10.0	1905	0.16	3.18
	EYE HEIGHT, SITTING	4.68	0.01	0.47	0.01	10.0	1905	0.16	3.18
393	SITTING HEIGHT MINUS	27.60	0.03	1.50	0.02	5.5	1905	-0.07	3.09
	MIDSHOULDER HEIGHT, SITTING	10.87	0.01	0.59	0.01	5.5	1905	-0.07	3.09
394	SITTING HEIGHT MINUS	62.23	0.06	2.63	0.04	4.2	1905	0.12	3.06
	WAIST HEIGHT, SITTING	24.50	0.02	1.04	0.02	4.2	1905	0.12	3.06
395	SITTING HEIGHT MINUS	62.89	0.06	2.76	0.04	4.4	1905	0.01	2.94
	ELBOW REST HEIGHT	24.76	0.02	1.08	0.02	4.4	1905	0.01	2.94
396	EYE HEIGHT, SITTING MINUS	15.71	0.04	1.67	0.03	10.7	1905	-0.05	2.95
	MIDSHOULDER HEIGHT, SITTING	6.18	0.02	0.66	0.01	10.7	1905	-0.05	2.95
397	EYE HEIGHT, SITTING MINUS	50.34	0.06	2.51	0.04	5.0	1905	0.11	3.28
	WAIST HEIGHT, SITTING	19.82	0.02	0.99	0.02	5.0	1905	0.11	3.28
398	EYE HEIGHT, SITTING MINUS	51.00	0.06	2.65	0.04	5.2	1905	-0.00	3.09
	ELBOW REST HEIGHT	20.08	0.02	1.04	0.02	5.2	1905	-0.00	3.09
399	MIDSHOULDER HGHT,SITTING MINUS	34.63	0.05	2.22	0.04	6.4	1905	0.23	3.09
	WAIST HEIGHT, SITTING	13.63	0.02	0.87	0.01	6.4	1905	0.23	3.09
400	MIDSHOULDER HGHT,SITTING MINUS	35.29	0.05	2.16	0.04	6.1	1905	0.09	3.09
	ELBOW REST HEIGHT	13.89	0.02	0.85	0.01	6.1	1905	0.09	3.09
401	WAIST HEIGHT, SITTING MINUS	0.66	0.05	2.33	0.04	GT99	1905	-0.07	3.16
	ELBOW REST HEIGHT	0.26	0.02	0.92	0.01	GT99	1905	-0.07	3.16
402	CALF CIRCUMFERENCE,RIGHT MINUS	-0.09	0.01	0.63	0.01	GT99	1905	-0.02	3.28
	CALF CIRCUMFERENCE,LEFT	-0.03	0.01	0.25	0.00	GT99	1905	-0.02	3.28
403	HUMERAL BREADTH,RIGHT MINUS	0.03	0.00	0.12	0.00	GT99	1905	-0.28	3.38
	HUMERAL BREADTH,LEFT	0.01	0.00	0.05	0.00	GT99	1905	-0.28	3.38
404	FEMORAL BREADTH,RIGHT MINUS	-0.02	0.00	0.13	0.00	GT99	1905	0.16	3.22
	FEMORAL BREADTH,LEFT	-0.01	0.00	0.05	0.00	GT99	1905	0.16	3.22
405	BICEPS CIRCUMFERENCE, FLEXED,	0.26	0.02	0.77	0.01	GT99	1905	-0.17	3.06
	RIGHT MINUS LEFT	0.10	0.01	0.30	0.00	GT99	1905	-0.17	3.06
406	BICEPS CIRCUMFERENCE, RELAXED	-0.05	0.02	0.74	0.01	GT99	1905	-0.14	3.19
	RIGHT MINUS LEFT	-0.02	0.01	0.29	0.00	GT99	1905	-0.14	3.19
407	STATURE, MAXIMUM MINUS	0.64	0.01	0.38	0.01	59.3	1905	0.85	4.32
	STATURE	0.25	0.00	0.15	0.00	59.3	1905	0.85	4.32
408	SITTING HEIGHT MINUS	1.32	0.02	0.82	0.01	61.7	1905	1.26	5.08
	SITTING HEIGHT,RELAXED	0.52	0.01	0.32	0.01	61.7	1905	1.26	5.08

UNITS...UPPER LINES, CENTIMETERS OR KILOGRAMS...LOWER LINES, INCHES OR POUNDS

TABLE XXXIX

STATISTICAL SUMMARIES AND SELECTED PERCENTILES FOR COMPUTED VARIABLES

PERCENTILES													VAR
1ST	5TH	10TH	15TH	25TH	35TH	50TH	65TH	75TH	85TH	90TH	95TH	99TH	NO
2.0	2.4	2.7	3.0	3.4	3.8	4.3	4.9	5.3	5.9	6.2	6.8	7.7	391
0.8	0.9	1.1	1.2	1.3	1.5	1.7	1.9	2.1	2.3	2.5	2.7	3.0	
9.2	10.0	10.4	10.7	11.1	11.4	11.9	12.3	12.7	13.1	13.4	13.9	14.9	392
3.6	3.9	4.1	4.2	4.4	4.5	4.7	4.9	5.0	5.2	5.3	5.5	5.9	
23.8	25.0	25.7	26.1	26.6	27.1	27.6	28.2	28.6	29.1	29.5	30.1	31.2	393
9.4	9.9	10.1	10.3	10.5	10.7	10.9	11.1	11.3	11.5	11.6	11.8	12.3	
56.4	58.0	58.9	59.5	60.4	61.2	62.2	63.2	64.0	65.0	65.6	66.7	68.6	394
22.2	22.8	23.2	23.4	23.8	24.1	24.5	24.9	25.2	25.6	25.8	26.2	27.0	
56.6	58.4	59.3	60.0	61.0	61.8	62.9	64.0	64.8	65.8	66.4	67.4	69.3	395
22.3	23.0	23.4	23.6	24.0	24.3	24.8	25.2	25.5	25.9	26.2	26.5	27.3	
11.7	13.0	13.6	14.0	14.6	15.1	15.7	16.4	16.8	17.5	17.9	18.5	19.5	396
4.6	5.1	5.3	5.5	5.7	5.9	6.2	6.4	6.6	6.9	7.0	7.3	7.7	
44.7	46.3	47.2	47.8	48.7	49.4	50.3	51.3	52.0	52.9	53.5	54.5	56.5	397
17.6	18.2	18.6	18.8	19.2	19.4	19.8	20.2	20.5	20.8	21.1	21.5	22.2	
44.8	46.7	47.6	48.3	49.2	50.0	51.0	52.0	52.8	53.8	54.4	55.4	57.2	398
17.6	18.4	18.7	19.0	19.4	19.7	20.1	20.5	20.8	21.2	21.4	21.8	22.5	
29.8	31.1	31.8	32.3	33.1	33.7	34.6	35.4	36.1	36.9	37.5	38.4	40.1	399
11.8	12.2	12.5	12.7	13.0	13.3	13.6	13.9	14.2	14.5	14.8	15.1	15.8	
30.4	31.7	32.5	33.1	33.9	34.5	35.3	36.1	36.7	37.5	38.0	38.8	40.7	400
12.0	12.5	12.8	13.0	13.3	13.6	13.9	14.2	14.4	14.7	15.0	15.3	16.0	
-4.9	-3.2	-2.3	-1.7	-0.9	-0.2	0.7	1.6	2.2	3.1	3.6	4.4	5.9	401
-1.9	-1.3	-0.9	-0.7	-0.3	-0.1	0.3	0.6	0.9	1.2	1.4	1.7	2.3	
-1.6	-1.1	-0.9	-0.7	-0.5	-0.3	-0.1	0.1	0.3	0.5	0.7	0.9	1.5	402
-0.6	-0.4	-0.3	-0.3	-0.2	-0.1	-0.0	0.1	0.1	0.2	0.3	0.4	0.6	
-0.3	-0.2	-0.1	-0.1	-0.0	-0.0	0.0	0.1	0.1	0.2	0.2	0.2	0.3	403
-0.1	-0.1	-0.1	-0.0	-0.0	-0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	
-0.3	-0.2	-0.2	-0.2	-0.1	-0.1	-0.0	0.0	0.1	0.1	0.1	0.2	0.3	404
-0.1	-0.1	-0.1	-0.1	-0.0	-0.0	-0.0	0.0	0.0	0.0	0.1	0.1	0.1	
-1.7	-1.1	-0.7	-0.5	-0.2	-0.0	0.3	0.6	0.8	1.0	1.2	1.5	2.0	405
-0.7	-0.4	-0.3	-0.2	-0.1	-0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.8	
-1.9	-1.3	-1.0	-0.8	-0.5	-0.3	-0.0	0.2	0.4	0.7	0.9	1.1	1.6	406
-0.7	-0.5	-0.4	-0.3	-0.2	-0.1	-0.0	0.1	0.2	0.3	0.3	0.4	0.6	
0.1	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.9	1.0	1.1	1.4	1.8	407
0.0	0.1	0.1	0.1	0.1	0.2	0.2	0.3	0.3	0.4	0.5	0.5	0.7	
0.1	0.3	0.5	0.6	0.7	0.9	1.1	1.5	1.7	2.1	2.4	2.9	4.1	408
0.1	0.1	0.2	0.2	0.3	0.4	0.5	0.6	0.7	0.8	1.0	1.2	1.6	

UNITS...UPPER LINES, CENTIMETERS OR KILOGRAMS...LOWER LINES, INCHES OR POUNDS

TABLE XXXIX

STATISTICAL SUMMARIES AND SELECTED PERCENTILES FOR COMPUTED VARIABLES

	VARIABLE	MEAN	SE (M)	ST DEV	SE (SD)	COEF VAR	SAMPLE SIZE	SYMM ETRY	KURT OSIS
409	THUMB-TIP REACH EXTENDED	9.70	0.09	4.05	0.07	41.7	1905	0.45	3.08
	MINUS THUMB-TIP REACH	3.82	0.04	1.59	0.03	41.7	1905	0.45	3.08
410	INTERSCYE CURVATURE, MAXIMUM	14.33	0.06	2.79	0.05	19.4	1905	-0.06	3.04
	MINUS INTERSCYE CURVATURE	5.64	0.03	1.10	0.02	19.4	1905	-0.06	3.04
411	BICEPS CIRCUMFERENCE,RIGHT	1.18	0.01	0.57	0.01	47.9	1905	0.22	3.29
	FLEXED MINUS RELAXED	0.47	0.01	0.22	0.00	47.9	1905	0.22	3.29
412	BICEPS CIRCUMFERENCE,LEFT	0.88	0.01	0.53	0.01	61.0	1905	0.39	3.06
	FLEXED MINUS RELAXED	0.34	0.00	0.21	0.00	61.0	1905	0.39	3.06
413	FOREARM CIRCUMFERENCE,	1.50	0.01	0.56	0.01	37.3	1905	0.23	2.99
	FLEXED MINUS RELAXED	0.59	0.01	0.22	0.00	37.3	1905	0.23	2.99
414	VERTICAL TRUNK CIRCUM MINUS	4.36	0.06	2.53	0.04	58.1	1905	0.44	3.41
	VERTICAL TRUNK CIRC,SITTING	1.72	0.02	1.00	0.02	58.1	1905	0.44	3.41
415	ABDOMINAL EXTENSION CIRCUMFER	-1.30	0.09	3.68	0.07	GT99	1513	-0.19	3.95
	MINUS THE SAME 'OFG'	-0.51	0.04	1.45	0.03	GT99	1513	-0.19	3.95
416	ABDOMINAL EXTENSION DEPTH	1.25	0.03	1.07	0.02	85.7	1513	-0.16	3.14
	MINUS THE SAME 'OFG'	0.49	0.01	0.42	0.01	85.7	1513	-0.16	3.14
417	ABDOMINAL EXTENSION HEIGHT	0.21	0.04	1.54	0.03	GT99	1513	0.03	3.50
	MINUS THE SAME 'OFG'	0.08	0.02	0.61	0.01	GT99	1513	0.03	3.50
418	WAIST HEIGHT MINUS	-0.62	0.03	1.29	0.02	GT99	1513	0.02	3.57
	WAIST HEIGHT 'OFG'	-0.24	0.01	0.51	0.01	GT99	1513	0.02	3.57
419	WAIST BREADTH MINUS	2.83	0.03	1.16	0.02	41.2	1513	0.01	2.99
	WAIST BREADTH 'OFG'	1.11	0.01	0.46	0.01	41.2	1513	0.01	2.99
420	WAIST DEPTH MINUS	1.47	0.02	0.85	0.02	57.8	1513	-0.18	3.40
	WAIST DEPTH 'OFG'	0.58	0.01	0.34	0.01	57.8	1513	-0.18	3.40
421	WAIST CIRCUMFERENCE MINUS	1.28	0.05	2.07	0.04	GT99	1513	0.24	4.18
	WAIST CIRCUMFERENCE 'OFG'	0.50	0.02	0.81	0.01	GT99	1513	0.24	4.18
422	HIP CIRCUM 7'' BELOW WAIST	0.23	0.04	1.60	0.03	GT99	1513	-0.04	3.07
	MINUS THE SAME 'OFG'	0.09	0.02	0.63	0.01	GT99	1513	-0.04	3.07
423	HIP CIRCUM 9'' BELOW WAIST	0.29	0.03	1.32	0.02	GT99	1513	0.02	5.13
	MINUS THE SAME 'OFG'	0.11	0.01	0.52	0.01	GT99	1513	0.02	5.13
424	BUTTOCK CIRCUMFERENCE, SITTING	0.69	0.05	1.93	0.04	GT99	1513	0.07	3.61
	MINUS THE SAME 'OFG'	0.27	0.02	0.76	0.01	GT99	1513	0.07	3.61
425	HIP BREADTH MINUS	1.39	0.02	0.90	0.02	64.5	1513	0.25	4.05
	HIP BREADTH 'OFG'	0.55	0.01	0.35	0.01	64.5	1513	0.25	4.05
426	BUTTOCK DEPTH MINUS	-0.30	0.02	0.93	0.02	GT99	1513	-0.29	3.46
	BUTTOCK DEPTH 'OFG'	-0.12	0.01	0.37	0.01	GT99	1513	-0.29	3.46

UNITS...UPPER LINES, CENTIMETERS OR KILOGRAMS...LOWER LINES, INCHES OR POUNDS

TABLE XXXIX

STATISTICAL SUMMARIES AND SELECTED PERCENTILES FOR COMPUTED VARIABLES

PERCENTILES													VAR
1ST	5TH	10TH	15TH	25TH	35TH	50TH	65TH	75TH	85TH	90TH	95TH	99TH	NO
1.9	3.8	4.9	5.6	6.8	7.8	9.3	11.0	12.3	14.1	15.3	17.1	20.3	409
0.7	1.5	1.9	2.2	2.7	3.1	3.7	4.3	4.8	5.5	6.0	6.7	8.0	
7.4	9.8	10.8	11.5	12.5	13.3	14.3	15.4	16.2	17.2	17.9	19.0	20.7	410
2.9	3.8	4.3	4.5	4.9	5.2	5.6	6.1	6.4	6.8	7.1	7.5	8.2	
-0.1	0.3	0.5	0.6	0.8	1.0	1.2	1.4	1.5	1.8	1.9	2.2	2.7	411
-0.0	0.1	0.2	0.2	0.3	0.4	0.5	0.5	0.6	0.7	0.8	0.8	1.1	
-0.1	0.1	0.2	0.3	0.5	0.6	0.8	1.1	1.2	1.4	1.6	1.8	2.2	412
-0.0	0.0	0.1	0.1	0.2	0.2	0.3	0.4	0.5	0.6	0.6	0.7	0.9	
0.3	0.6	0.8	0.9	1.1	1.3	1.5	1.7	1.9	2.1	2.2	2.5	2.9	413
0.1	0.2	0.3	0.4	0.4	0.5	0.6	0.7	0.7	0.8	0.9	1.0	1.2	
-0.4	0.5	1.2	1.7	2.6	3.2	4.2	5.2	5.9	6.9	7.6	8.8	11.3	414
-0.1	0.2	0.5	0.7	1.0	1.3	1.7	2.0	2.3	2.7	3.0	3.5	4.5	
-11.5	-7.7	-6.0	-4.9	-3.5	-2.4	-1.1	0.1	1.0	2.2	3.0	4.3	7.4	415
-4.5	-3.0	-2.4	-1.9	-1.4	-1.0	-0.4	0.0	0.4	0.9	1.2	1.7	2.9	
-1.5	-0.6	-0.1	0.2	0.6	0.9	1.3	1.7	2.0	2.3	2.6	3.0	3.7	416
-0.6	-0.2	-0.0	0.1	0.2	0.3	0.5	0.7	0.8	0.9	1.0	1.2	1.5	
-3.6	-2.2	-1.6	-1.3	-0.8	-0.4	0.2	0.7	1.2	1.8	2.2	2.8	3.9	417
-1.4	-0.9	-0.6	-0.5	-0.3	-0.2	0.1	0.3	0.5	0.7	0.9	1.1	1.5	
-3.7	-2.7	-2.2	-1.9	-1.4	-1.1	-0.6	-0.1	0.2	0.7	1.0	1.5	2.7	418
-1.5	-1.1	-0.9	-0.8	-0.6	-0.4	-0.2	-0.1	0.1	0.3	0.4	0.6	1.1	
-0.0	0.9	1.4	1.6	2.1	2.4	2.8	3.3	3.6	4.0	4.3	4.8	5.5	419
-0.0	0.4	0.5	0.6	0.8	0.9	1.1	1.3	1.4	1.6	1.7	1.9	2.2	
-0.7	0.0	0.4	0.6	0.9	1.2	1.5	1.8	2.0	2.3	2.5	2.9	3.4	420
-0.3	0.0	0.2	0.2	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.3	
-3.7	-2.0	-1.3	-0.8	-0.0	0.5	1.2	2.0	2.6	3.3	3.8	4.6	6.2	421
-1.5	-0.8	-0.5	-0.3	-0.0	0.2	0.5	0.8	1.0	1.3	1.5	1.8	2.5	
-3.6	-2.5	-1.9	-1.4	-0.8	-0.3	0.3	0.9	1.3	1.8	2.2	2.8	4.1	422
-1.4	-1.0	-0.7	-0.6	-0.3	-0.1	0.1	0.3	0.5	0.7	0.9	1.1	1.6	
-3.2	-1.9	-1.3	-1.0	-0.5	-0.1	0.3	0.7	1.1	1.5	1.8	2.4	3.6	423
-1.3	-0.7	-0.5	-0.4	-0.2	-0.0	0.1	0.3	0.4	0.6	0.7	0.9	1.4	
-4.1	-2.5	-1.7	-1.2	-0.5	-0.0	0.7	1.3	1.9	2.6	3.1	3.9	5.8	424
-1.6	-1.0	-0.7	-0.5	-0.2	-0.0	0.3	0.5	0.7	1.0	1.2	1.5	2.3	
-0.7	-0.1	0.3	0.5	0.8	1.1	1.4	1.7	1.9	2.2	2.5	2.9	4.0	425
-0.3	-0.0	0.1	0.2	0.3	0.4	0.5	0.7	0.8	0.9	1.0	1.1	1.6	
-2.7	-1.9	-1.5	-1.2	-0.9	-0.6	-0.3	0.1	0.3	0.6	0.9	1.2	1.7	426
-1.1	-0.7	-0.6	-0.5	-0.3	-0.2	-0.1	0.0	0.1	0.3	0.3	0.5	0.7	

UNITS...UPPER LINES, CENTIMETERS OR KILOGRAMS...LOWER LINES, INCHES OR POUNDS

TABLE XXXIX

STATISTICAL SUMMARIES AND SELECTED PERCENTILES FOR COMPUTED VARIABLES

	VARIABLE	MEAN	SE (M)	ST DEV	SE (SD)	COEF VAR	SAMPLE SIZE	SYMM ETRY	KURT OSIS
427	THIGH-TO-THIGH BREADTH MINUS	1.09	0.03	1.08	0.02	99.2	1513	0.18	3.40
	THIGH-TO-THIGH BREADTH 'OFG'	0.43	0.01	0.43	0.01	99.2	1513	0.18	3.40
428	TRAGION TO ECTOCANTHUS	6.29	0.01	0.49	0.01	7.8	1905	0.23	3.53
	DISTANCE	2.48	0.00	0.19	0.00	7.8	1905	0.23	3.53
429	TRAGION TO PRONASALE	11.24	0.02	0.68	0.01	6.0	1905	0.06	3.06
	DISTANCE	4.43	0.01	0.27	0.00	6.0	1905	0.06	3.06
430	TRAGION TO SUBNASALE	10.05	0.02	0.66	0.01	6.5	1905	0.09	2.95
	DISTANCE	3.96	0.01	0.26	0.00	6.5	1905	0.09	2.95
431	TRAGION TO MOUTH OPENING	10.50	0.02	0.71	0.01	6.7	1905	0.14	3.13
	DISTANCE	4.13	0.01	0.28	0.00	6.7	1905	0.14	3.13
432	TRAGION TO MENTON	12.26	0.02	0.74	0.01	6.0	1905	0.13	3.14
	DISTANCE	4.83	0.01	0.29	0.00	6.0	1905	0.13	3.14
433	ECTOCANTHUS TO PRONASALE	5.71	0.01	0.54	0.01	9.4	1905	0.02	3.17
	DISTANCE	2.25	0.00	0.21	0.00	9.4	1905	0.02	3.17
434	ECTOCANTHUS TO SUBNASALE	5.33	0.01	0.48	0.01	8.9	1905	0.10	3.13
	DISTANCE	2.10	0.00	0.19	0.00	8.9	1905	0.10	3.13
435	ECTOCANTHUS TO MOUTH OPENING	6.77	0.01	0.53	0.01	7.8	1905	0.06	3.27
	DISTANCE	2.66	0.00	0.21	0.00	7.8	1905	0.06	3.27
436	ECTOCANTHUS TO MENTON	10.35	0.01	0.63	0.01	6.1	1905	0.02	3.11
	DISTANCE	4.08	0.01	0.25	0.00	6.1	1905	0.02	3.11
437	PRONASALE TO SUBNASALE	1.95	0.01	0.34	0.01	17.4	1905	-0.13	3.28
	DISTANCE	0.77	0.00	0.13	0.00	17.4	1905	-0.13	3.28
438	PRONASALE TO MOUTH OPENING	3.64	0.01	0.46	0.01	12.6	1905	0.05	3.03
	DISTANCE	1.43	0.00	0.18	0.00	12.6	1905	0.05	3.03
439	PRONASALE TO MENTON	7.77	0.02	0.70	0.01	9.0	1905	-0.02	2.89
	DISTANCE	3.06	0.01	0.27	0.00	9.0	1905	-0.02	2.89
440	SUBNASALE TO MOUTH OPENING	1.98	0.01	0.36	0.01	18.3	1905	0.25	3.25
	DISTANCE	0.78	0.00	0.14	0.00	18.3	1905	0.25	3.25
441	SUBNASALE TO MENTON	6.19	0.01	0.57	0.01	9.1	1905	-0.04	3.04
	DISTANCE	2.44	0.01	0.22	0.00	9.1	1905	-0.04	3.04
442	MOUTH OPENING TO MENTON	4.26	0.01	0.51	0.01	12.0	1905	-0.09	2.97
	DISTANCE	1.68	0.00	0.20	0.00	12.0	1905	-0.09	2.97
443	SHOULDER CIRCUMFERENCE MINUS	16.16	0.06	2.49	0.04	15.4	1905	-0.25	3.36
	CHEST CIRCUMFERENCE AT SCYE	6.36	0.02	0.98	0.02	15.4	1905	-0.25	3.36
444	SHOULDER CIRCUMFERENCE MINUS	10.69	0.08	3.38	0.05	31.7	1905	-0.42	3.72
	BUST CIRCUMFERENCE	4.21	0.03	1.33	0.02	31.7	1905	-0.42	3.72

UNITS...UPPER LINES, CENTIMETERS OR KILOGRAMS...LOWER LINES, INCHES OR POUNDS

TABLE XXXIX

STATISTICAL SUMMARIES AND SELECTED PERCENTILES FOR COMPUTED VARIABLES

PERCENTILES													VAR
1ST	5TH	10TH	15TH	25TH	35TH	50TH	65TH	75TH	85TH	90TH	95TH	99TH	NO
-1.4	-0.7	-0.3	-0.0	0.4	0.7	1.1	1.5	1.8	2.2	2.4	2.9	4.0	427
-0.6	-0.3	-0.1	-0.0	0.2	0.3	0.4	0.6	0.7	0.8	1.0	1.1	1.6	
5.1	5.5	5.7	5.8	6.0	6.1	6.3	6.5	6.6	6.8	6.9	7.1	7.6	428
2.0	2.2	2.2	2.3	2.4	2.4	2.5	2.5	2.6	2.7	2.7	2.8	3.0	
9.7	10.1	10.4	10.5	10.8	11.0	11.2	11.5	11.7	11.9	12.1	12.4	12.9	429
3.8	4.0	4.1	4.1	4.2	4.3	4.4	4.5	4.6	4.7	4.8	4.9	5.1	
8.5	9.0	9.2	9.4	9.6	9.8	10.0	10.3	10.5	10.7	10.9	11.2	11.6	430
3.4	3.5	3.6	3.7	3.8	3.9	4.0	4.1	4.1	4.2	4.3	4.4	4.5	
8.9	9.4	9.6	9.8	10.0	10.2	10.5	10.7	11.0	11.2	11.4	11.7	12.2	431
3.5	3.7	3.8	3.8	3.9	4.0	4.1	4.2	4.3	4.4	4.5	4.6	4.8	
10.6	11.1	11.3	11.5	11.8	12.0	12.2	12.5	12.7	13.0	13.2	13.5	14.1	432
4.2	4.4	4.5	4.5	4.6	4.7	4.8	4.9	5.0	5.1	5.2	5.3	5.5	
4.5	4.8	5.0	5.2	5.4	5.5	5.7	5.9	6.1	6.3	6.4	6.6	7.0	433
1.8	1.9	2.0	2.0	2.1	2.2	2.2	2.3	2.4	2.5	2.5	2.6	2.7	
4.3	4.6	4.7	4.8	5.0	5.1	5.3	5.5	5.6	5.8	5.9	6.1	6.5	434
1.7	1.8	1.9	1.9	2.0	2.0	2.1	2.2	2.2	2.3	2.3	2.4	2.6	
5.6	5.9	6.1	6.2	6.4	6.6	6.8	7.0	7.1	7.3	7.4	7.6	8.1	435
2.2	2.3	2.4	2.5	2.5	2.6	2.7	2.7	2.8	2.9	2.9	3.0	3.2	
8.8	9.3	9.5	9.7	9.9	10.1	10.4	10.6	10.8	11.0	11.2	11.4	11.8	436
3.5	3.7	3.8	3.8	3.9	4.0	4.1	4.2	4.2	4.3	4.4	4.5	4.7	
1.1	1.4	1.5	1.6	1.7	1.8	2.0	2.1	2.2	2.3	2.4	2.5	2.7	437
0.4	0.5	0.6	0.6	0.7	0.7	0.8	0.8	0.9	0.9	0.9	1.0	1.1	
2.6	2.9	3.0	3.2	3.3	3.5	3.6	3.8	4.0	4.1	4.2	4.4	4.7	438
1.0	1.1	1.2	1.2	1.3	1.4	1.4	1.5	1.6	1.6	1.7	1.7	1.9	
6.1	6.6	6.9	7.0	7.3	7.5	7.8	8.0	8.2	8.5	8.7	8.9	9.4	439
2.4	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.2	3.3	3.4	3.5	3.7	
1.2	1.4	1.5	1.6	1.7	1.8	2.0	2.1	2.2	2.3	2.4	2.6	2.9	440
0.5	0.5	0.6	0.6	0.7	0.7	0.8	0.8	0.9	0.9	1.0	1.0	1.1	
4.8	5.3	5.5	5.6	5.8	6.0	6.2	6.4	6.6	6.8	6.9	7.1	7.5	441
1.9	2.1	2.2	2.2	2.3	2.4	2.4	2.5	2.6	2.7	2.7	2.8	3.0	
3.0	3.4	3.6	3.7	3.9	4.1	4.3	4.5	4.6	4.8	4.9	5.1	5.4	442
1.2	1.3	1.4	1.5	1.5	1.6	1.7	1.8	1.8	1.9	1.9	2.0	2.1	
9.4	11.9	13.0	13.7	14.6	15.3	16.3	17.2	17.8	18.7	19.2	20.1	21.8	443
3.7	4.7	5.1	5.4	5.8	6.0	6.4	6.8	7.0	7.3	7.6	7.9	8.6	
1.4	4.8	6.3	7.3	8.6	9.6	10.9	12.1	13.0	14.1	14.8	15.9	18.0	444
0.5	1.9	2.5	2.9	3.4	3.8	4.3	4.8	5.1	5.5	5.8	6.3	7.1	

UNITS...UPPER LINES, CENTIMETERS OR KILOGRAMS...LOWER LINES, INCHES OR POUNDS

TABLE XXXIX

STATISTICAL SUMMARIES AND SELECTED PERCENTILES FOR COMPUTED VARIABLES

	VARIABLE	MEAN	SE (M)	ST DEV	SE (SD)	COEF VAR	SAMPLE SIZE	SYMM ETRY	KURT OSIS
445	SHOULDER CIRCUMFERENCE MINUS	26.09	0.07	3.18	0.05	12.2	1905	-0.16	3.29
	CHEST CIRCUMFERENCE BELOW BUST	10.27	0.03	1.25	0.02	12.2	1905	-0.16	3.29
446	SHOULDER CIRCUMFERENCE MINUS	33.21	0.08	3.57	0.06	10.8	1905	-0.33	3.65
	WAIST CIRCUMFERENCE	13.07	0.03	1.41	0.02	10.8	1905	-0.33	3.65
447	SHOULDER CIRCUMFERENCE MINUS	14.77	0.12	5.18	0.08	35.1	1905	-0.24	3.38
	ABDOMINAL EXTENSION CIRCUMFER	5.81	0.05	2.04	0.03	35.1	1905	-0.24	3.38
448	SHOULDER CIRCUMFERENCE MINUS	6.78	0.09	3.86	0.06	57.0	1905	-0.17	3.30
	HIP CIRC 7'' BELOW WAIST LVL	2.67	0.03	1.52	0.02	57.0	1905	-0.17	3.30
449	SHOULDER CIRCUMFERENCE MINUS	5.14	0.10	4.27	0.07	83.1	1905	-0.14	3.22
	HIP CIRC 9'' BELOW WAIST LVL	2.02	0.04	1.68	0.03	83.1	1905	-0.14	3.22
450	SHOULDER CIRCUMFERENCE MINUS	0.42	0.10	4.17	0.07	GT99	1905	-0.33	3.44
	BUTTOCK CIRCUMFERENCE, SITTNG	0.16	0.04	1.64	0.03	GT99	1905	-0.33	3.44
451	CHEST CIRCUMFER AT SCYE MINUS	-5.48	0.06	2.62	0.04	47.8	1905	-0.24	3.25
	BUST CIRCUMFERENCE	-2.16	0.02	1.03	0.02	47.8	1905	-0.24	3.25
452	CHEST CIRCUMFER AT SCYE MINUS	9.92	0.07	2.94	0.05	29.7	1905	0.05	3.38
	CHEST CIRCUMFERENCE BELOW BUST	3.91	0.03	1.16	0.02	29.7	1905	0.05	3.38
453	CHEST CIRCUMFER AT SCYE MINUS	17.05	0.08	3.43	0.06	20.1	1905	-0.09	3.29
	WAIST CIRCUMFERENCE	6.71	0.03	1.35	0.02	20.1	1905	-0.09	3.29
454	CHEST CIRCUMFER AT SCYE MINUS	-1.40	0.12	5.10	0.08	GT99	1905	-0.10	3.19
	ABDOMINAL EXTENSION CIRCUMFER	-0.55	0.05	2.01	0.03	GT99	1905	-0.10	3.19
455	CHEST CIRCUMFER AT SCYE MINUS	-9.39	0.09	3.97	0.06	42.3	1905	-0.10	3.28
	HIP CIRC 7'' BELOW WAIST LVL	-3.70	0.04	1.56	0.03	42.3	1905	-0.10	3.28
456	CHEST CIRCUMFER AT SCYE MINUS	-11.02	0.10	4.45	0.07	40.4	1905	-0.09	3.15
	HIP CIRC 9 '' BELOW WAIST LV	-4.34	0.04	1.75	0.03	40.4	1905	-0.09	3.15
457	CHEST CIRCUMFER AT SCYE MINUS	-15.75	0.10	4.24	0.07	26.9	1905	-0.26	3.39
	BUTTOCK CIRCUMFERENCE, SITTNG	-6.20	0.04	1.67	0.03	26.9	1905	-0.26	3.39
458	BUST CIRCUMFERENCE MINUS	15.40	0.07	3.17	0.05	20.6	1905	0.48	3.45
	CHEST CIRCUMFERENCE BELOW BUST	6.06	0.03	1.25	0.02	20.6	1905	0.48	3.45
459	BUST CIRCUMFERENCE MINUS	22.52	0.08	3.58	0.06	15.9	1905	0.06	3.24
	WAIST CIRCUMFERENCE	8.87	0.03	1.41	0.02	15.9	1905	0.06	3.24
460	BUST CIRCUMFERENCE MINUS	4.08	0.11	4.94	0.08	GT99	1905	-0.00	3.08
	ABDOMINAL EXTENSION CIRCUMFER	1.61	0.04	1.94	0.03	GT99	1905	-0.00	3.08
461	BUST CIRCUMFERENCE MINUS	-3.91	0.10	4.21	0.07	GT99	1905	0.13	3.16
	HIP CIRC 7'' BELOW WAIST LVL	-1.54	0.04	1.66	0.03	GT99	1905	0.13	3.16
462	BUST CIRCUMFERENCE MINUS	-5.55	0.11	4.74	0.08	85.4	1905	0.12	3.16
	HIP CIRC 9 '' BELOW WAIST LV	-2.18	0.04	1.86	0.03	85.4	1905	0.12	3.16

UNITS...UPPER LINES, CENTIMETERS OR KILOGRAMS...LOWER LINES, INCHES OR POUNDS

TABLE XXXIX

STATISTICAL SUMMARIES AND SELECTED PERCENTILES FOR COMPUTED VARIABLES

PERCENTILES												VAR
1ST	5TH	10TH	15TH	25TH	35TH	50TH	65TH	75TH	85TH	90TH	95TH	99TH	NO
18.1	20.8	22.1	22.9	24.1	25.0	26.1	27.3	28.2	29.3	30.1	31.3	33.6	445
7.1	8.2	8.7	9.0	9.5	9.8	10.3	10.8	11.1	11.5	11.8	12.3	13.2	
23.9	27.3	28.8	29.7	31.0	32.0	33.3	34.6	35.6	36.8	37.7	38.9	41.0	446
9.4	10.7	11.3	11.7	12.2	12.6	13.1	13.6	14.0	14.5	14.8	15.3	16.1	
1.8	5.9	8.1	9.5	11.4	13.0	15.0	16.9	18.3	20.0	21.2	22.9	26.2	447
0.7	2.3	3.2	3.7	4.5	5.1	5.9	6.6	7.2	7.9	8.3	9.0	10.3	
-2.6	0.3	1.8	2.8	4.3	5.4	6.9	8.3	9.4	10.7	11.6	13.0	15.6	448
-1.0	0.1	0.7	1.1	1.7	2.1	2.7	3.3	3.7	4.2	4.6	5.1	6.1	
-5.3	-2.0	-0.4	0.7	2.3	3.6	5.2	6.8	8.1	9.6	10.6	12.0	14.7	449
-2.1	-0.8	-0.1	0.3	0.9	1.4	2.1	2.7	3.2	3.8	4.2	4.7	5.8	
-10.7	-6.8	-5.0	-3.8	-2.2	-0.9	0.6	2.1	3.2	4.6	5.5	6.9	9.3	450
-4.2	-2.7	-2.0	-1.5	-0.9	-0.4	0.2	0.8	1.3	1.8	2.2	2.7	3.7	
-12.3	-9.9	-8.8	-8.1	-7.1	-6.3	-5.4	-4.4	-3.7	-2.9	-2.2	-1.3	0.5	451
-4.8	-3.9	-3.5	-3.2	-2.8	-2.5	-2.1	-1.7	-1.5	-1.1	-0.9	-0.5	0.2	
2.8	5.1	6.2	7.0	8.0	8.8	9.9	11.0	11.8	12.9	13.6	14.8	17.2	452
1.1	2.0	2.5	2.7	3.2	3.5	3.9	4.3	4.6	5.1	5.4	5.8	6.8	
8.7	11.4	12.7	13.6	14.8	15.8	17.0	18.3	19.3	20.6	21.4	22.7	25.0	453
3.4	4.5	5.0	5.4	5.8	6.2	6.7	7.2	7.6	8.1	8.4	8.9	9.8	
-13.7	-9.9	-7.9	-6.6	-4.7	-3.3	-1.3	0.6	2.0	3.8	5.0	6.9	10.6	454
-5.4	-3.9	-3.1	-2.6	-1.9	-1.3	-0.5	0.2	0.8	1.5	2.0	2.7	4.2	
-18.6	-16.0	-14.5	-13.5	-12.0	-10.8	-9.3	-7.8	-6.7	-5.4	-4.5	-3.0	0.0	455
-7.3	-6.3	-5.7	-5.3	-4.7	-4.3	-3.7	-3.1	-2.7	-2.1	-1.8	-1.2	0.0	
-21.2	-18.6	-16.9	-15.7	-14.0	-12.6	-10.9	-9.2	-8.0	-6.5	-5.5	-4.0	-0.7	456
-8.4	-7.3	-6.7	-6.2	-5.5	-5.0	-4.3	-3.6	-3.2	-2.6	-2.2	-1.6	-0.3	
-26.8	-22.9	-21.1	-20.0	-18.4	-17.2	-15.6	-14.1	-12.9	-11.5	-10.5	-9.0	-6.2	457
-10.5	-9.0	-8.3	-7.9	-7.2	-6.8	-6.1	-5.5	-5.1	-4.5	-4.1	-3.6	-2.4	
8.9	10.7	11.6	12.2	13.2	14.0	15.1	16.3	17.3	18.7	19.6	21.0	23.7	458
3.5	4.2	4.6	4.8	5.2	5.5	6.0	6.4	6.8	7.3	7.7	8.3	9.3	
14.2	16.7	18.0	18.9	20.1	21.1	22.5	23.8	24.8	26.1	27.1	28.5	31.5	459
5.6	6.6	7.1	7.4	7.9	8.3	8.8	9.4	9.8	10.3	10.7	11.2	12.4	
-7.2	-4.0	-2.2	-1.1	0.7	2.2	4.1	6.0	7.4	9.2	10.4	12.2	15.5	460
-2.8	-1.6	-0.9	-0.4	0.3	0.8	1.6	2.4	2.9	3.6	4.1	4.8	6.1	
-13.5	-10.8	-9.3	-8.3	-6.8	-5.6	-4.0	-2.4	-1.2	0.4	1.5	3.1	6.4	461
-5.3	-4.2	-3.7	-3.3	-2.7	-2.2	-1.6	-0.9	-0.5	0.2	0.6	1.2	2.5	
-16.3	-13.3	-11.6	-10.5	-8.8	-7.4	-5.6	-3.8	-2.4	-0.7	0.5	2.3	6.0	462
-6.4	-5.2	-4.6	-4.1	-3.4	-2.9	-2.2	-1.5	-1.0	-0.3	0.2	0.9	2.4	

UNITS...UPPER LINES, CENTIMETERS OR KILOGRAMS...LOWER LINES, INCHES OR POUNDS

TABLE XXXIX

STATISTICAL SUMMARIES AND SELECTED PERCENTILES FOR COMPUTED VARIABLES

	VARIABLE	MEAN	SE (M)	ST DEV	SE (SD)	COEF VAR	SAMPLE SIZE	SYMM ETRY	KURT OSIS
463	BUST CIRCUMFERENCE MINUS	-10.27	0.10	4.43	0.07	43.2	1905	-0.01	3.29
	BUTTOCK CIRCUMFERENCE, SITTNG	-4.04	0.04	1.75	0.03	43.2	1905	-0.01	3.29
464	CHEST CIRCUM BELOW BUST MINUS	7.12	0.08	3.39	0.05	47.5	1905	-0.07	3.15
	WAIST CIRCUMFERENCE	2.80	0.03	1.33	0.02	47.5	1905	-0.07	3.15
465	CHEST CIRCUM BELOW BUST MINUS	-11.32	0.12	5.08	0.08	44.9	1905	-0.15	3.02
	ABDOMINAL EXTENSION CIRCUMFER	-4.46	0.05	2.00	0.03	44.9	1905	-0.15	3.02
466	CHEST CIRCUM BELOW BUST MINUS	-19.31	0.09	4.06	0.07	21.0	1905	-0.02	2.98
	HIP CIRC 7'' BELOW WAIST LVL	-7.60	0.04	1.60	0.03	21.0	1905	-0.02	2.98
467	CHEST CIRCUM BELOW BUST MINUS	-20.95	0.11	4.60	0.07	22.0	1905	-0.02	2.99
	HIP CIRC 9'' BELOW WAIST LVL	-8.25	0.04	1.81	0.03	22.0	1905	-0.02	2.99
468	CHEST CIRCUM BELOW BUST MINUS	-25.67	0.10	4.36	0.07	17.0	1905	-0.16	3.02
	BUTTOCK CIRCUMFERENCE, SITTNG	-10.11	0.04	1.71	0.03	17.0	1905	-0.16	3.02
469	WAIST CIRCUMFERENCE MINUS	-18.44	0.10	4.29	0.07	23.3	1905	-0.04	3.51
	ABDOMINAL EXTENSION CIRCUMFER	-7.26	0.04	1.69	0.03	23.3	1905	-0.04	3.51
470	WAIST CIRCUMFERENCE MINUS	-26.43	0.08	3.50	0.06	13.2	1905	0.10	3.65
	HIP CIRC 7'' BELOW WAIST LVL	-10.41	0.03	1.38	0.02	13.2	1905	0.10	3.65
471	WAIST CIRCUMFERENCE MINUS	-28.07	0.10	4.31	0.07	15.4	1905	0.25	3.77
	HIP CIRC 9'' BELOW WAIST LVL	-11.05	0.04	1.70	0.03	15.4	1905	0.25	3.77
472	WAIST CIRCUMFERENCE MINUS	-32.79	0.09	3.92	0.06	11.9	1905	-0.06	3.65
	BUTTOCK CIRCUMFERENCE, SITTNG	-12.91	0.04	1.54	0.02	11.9	1905	-0.06	3.65
473	ABDOMINAL EXTENSION CIRC MINUS	-7.99	0.09	4.11	0.07	51.4	1905	-0.35	3.16
	HIP CIRC 7'' BELOW WAIST LVL	-3.15	0.04	1.62	0.03	51.4	1905	-0.35	3.16
474	ABDOMINAL EXTENSION CIRC MINUS	-9.63	0.11	4.72	0.08	49.0	1905	-0.19	3.29
	HIP CIRC 9'' BELOW WAIST LVL	-3.79	0.04	1.86	0.03	49.0	1905	-0.19	3.29
475	ABDOMINAL EXTENSION CIRC MINUS	-14.35	0.10	4.36	0.07	30.4	1905	-0.36	3.21
	BUTTOCK CIRCUMFERENCE, SITTNG	-5.65	0.04	1.72	0.03	30.4	1905	-0.36	3.21
476	HIP CIRC 7'' BELOW WAIST MINUS	-1.64	0.05	2.07	0.03	GT99	1905	-0.26	3.25
	HIP CIRC 9'' BELOW WAIST LVL	-0.64	0.02	0.82	0.01	GT99	1905	-0.26	3.25
477	HIP CIRC 7'' BELOW WAIST MINUS	-6.36	0.05	2.20	0.04	34.6	1905	-0.40	3.33
	BUTTOCK CIRCUMFERENCE, SITTNG	-2.50	0.02	0.87	0.01	34.6	1905	-0.40	3.33
478	HIP CIRC 9'' BELOW WAIST MINUS	-4.72	0.05	2.10	0.03	44.4	1905	-0.32	3.96
	BUTTOCK CIRCUMFERENCE, SITTNG	-1.86	0.02	0.83	0.01	44.4	1905	-0.32	3.96
479	SCYE CIRCUMFERENCE MINUS	9.66	0.03	1.43	0.02	14.8	1905	0.06	3.21
	AXILLARY ARM CIRCUMFERENCE	3.80	0.01	0.56	0.01	14.8	1905	0.06	3.21
480	AXILLARY ARM CIRCUMFER MINUS	1.83	0.02	1.08	0.02	59.3	1905	0.22	3.69
	BICEPS CIRC, RELAXED, RIGHT	0.72	0.01	0.43	0.01	59.3	1905	0.22	3.69

UNITS...UPPER LINES, CENTIMETERS OR KILOGRAMS...LOWER LINES, INCHES OR POUNDS

TABLE XXXIX

STATISTICAL SUMMARIES AND SELECTED PERCENTILES FOR COMPUTED VARIABLES

PERCENTILES												VAR
1ST	5TH	10TH	15TH	25TH	35TH	50TH	65TH	75TH	85TH	90TH	95TH	99TH	NO
-21.1	-17.8	-16.0	-14.8	-13.2	-11.9	-10.2	-8.6	-7.4	-5.9	-4.8	-3.1	C.7	463
-8.3	-7.C	-6.3	-5.8	-5.2	-4.7	-4.0	-3.4	-2.9	-2.3	-1.9	-1.2	0.3	
-C.7	1.5	2.8	3.6	4.9	5.9	7.2	8.4	9.4	10.6	1I.4	12.6	15.1	464
-C.3	0.6	1.1	1.4	1.9	2.3	2.8	3.3	3.7	4.2	4.5	5.0	5.9	
-23.9	-2C.C	-17.9	-16.6	-14.6	-13.1	-11.2	-9.3	-7.9	-6.1	-4.9	-3.2	C.3	465
-9.4	-7.9	-7.1	-6.5	-5.8	-5.2	-4.4	-3.6	-3.1	-2.4	-1.9	-1.2	C.1	
-29.0	-26.2	-24.6	-23.6	-22.1	-20.9	-19.3	-17.7	-16.5	-15.1	-14.1	-12.7	-9.8	466
-11.4	-10.3	-9.7	-9.3	-8.7	-8.2	-7.6	-7.0	-6.5	-5.9	-5.6	-5.0	-3.9	
-31.5	-28.7	-27.0	-25.8	-24.0	-22.7	-20.8	-19.1	-17.8	-16.2	-15.2	-13.5	-1C.0	467
-12.4	-11.3	-10.6	-10.2	-9.5	-8.9	-8.2	-7.5	-7.0	-6.4	-6.0	-5.3	-3.9	
-36.2	-33.2	-31.5	-30.3	-28.5	-27.2	-25.5	-23.9	-22.7	-21.3	-20.3	-18.8	-15.6	468
-14.3	-13.1	-12.4	-11.9	-11.2	-10.7	-10.0	-9.4	-8.9	-8.4	-8.0	-7.4	-6.1	
-28.7	-25.4	-23.8	-22.8	-21.3	-20.1	-18.5	-16.9	-15.6	-14.0	-12.9	-11.3	-8.3	469
-11.3	-10.0	-9.4	-9.0	-8.4	-7.9	-7.3	-6.6	-6.1	-5.5	-5.1	-4.4	-3.3	
-34.9	-32.1	-30.8	-29.9	-28.7	-27.7	-26.5	-25.2	-24.2	-23.0	-22.1	-20.6	-17.6	470
-13.7	-12.6	-12.1	-11.8	-11.3	-10.9	-10.4	-9.9	-9.5	-9.0	-8.7	-8.1	-6.9	
-38.0	-34.9	-33.3	-32.3	-30.9	-29.7	-28.2	-26.6	-25.4	-23.8	-22.7	-20.8	-16.9	471
-14.9	-13.7	-13.1	-12.7	-12.2	-11.7	-11.1	-10.5	-10.0	-9.4	-8.9	-8.2	-6.7	
-42.3	-39.2	-37.7	-36.7	-35.3	-34.2	-32.8	-31.3	-30.3	-28.9	-27.9	-26.4	-23.1	472
-16.6	-15.4	-14.8	-14.4	-13.9	-13.5	-12.9	-12.3	-11.9	-11.4	-11.0	-10.4	-9.1	
-19.0	-15.3	-13.4	-12.2	-10.6	-9.3	-7.7	-6.2	-5.1	-3.8	-2.9	-1.7	0.7	473
-7.5	-6.C	-5.3	-4.8	-4.2	-3.7	-3.0	-2.4	-2.0	-1.5	-1.2	-0.7	C.3	
-21.7	-17.7	-15.7	-14.4	-12.6	-11.2	-9.4	-7.7	-6.5	-4.9	-3.8	-2.1	1.5	474
-8.5	-7.C	-6.2	-5.7	-5.0	-4.4	-3.7	-3.0	-2.6	-1.9	-1.5	-0.8	0.6	
-25.8	-22.1	-20.1	-18.9	-17.1	-15.7	-14.0	-12.5	-11.3	-1C.0	-9.1	-7.7	-4.8	475
-1C.2	-8.7	-7.9	-7.4	-6.7	-6.2	-5.5	-4.9	-4.5	-3.9	-3.6	-3.0	-1.9	
-7.1	-5.3	-4.4	-3.8	-2.9	-2.3	-1.5	-0.8	-0.2	0.4	0.9	1.6	3.0	476
-2.8	-2.1	-1.7	-1.5	-1.2	-0.9	-0.6	-C.3	-0.1	0.2	0.4	0.6	1.2	
-12.2	-10.3	-9.3	-8.6	-7.7	-7.0	-6.2	-5.4	-4.8	-4.2	-3.7	-3.1	-1.9	477
-4.8	-4.1	-3.7	-3.4	-3.0	-2.8	-2.4	-2.1	-1.9	-1.6	-1.5	-1.2	-C.7	
-10.3	-8.3	-7.4	-6.8	-6.0	-5.4	-4.6	-3.9	-3.4	-2.7	-2.2	-1.5	0.2	478
-4.0	-3.3	-2.9	-2.7	-2.4	-2.1	-1.8	-1.5	-1.3	-1.1	-0.9	-0.6	C.1	
6.4	7.3	7.8	8.2	8.7	9.1	9.7	10.2	10.6	11.1	11.5	12.0	13.2	479
2.5	2.9	3.1	3.2	3.4	3.6	3.8	4.0	4.2	4.4	4.5	4.7	5.2	
-C.7	0.1	0.5	0.8	1.1	1.4	1.8	2.2	2.5	2.9	3.2	3.6	4.7	480
-0.3	C.C	0.2	0.3	0.4	0.6	0.7	0.9	1.0	1.1	I.2	1.4	1.9	

UNITS...UPPER LINES, CENTIMETERS OR KILOGRAMS...LOWER LINES, INCHES OR POUNDS

TABLE XXXIX

STATISTICAL SUMMARIES AND SELECTED PERCENTILES FOR COMPUTED VARIABLES

	VARIABLE	MEAN	SE (M)	ST DEV	SE (SD)	COEF VAR	SAMPLE SIZE	SYMM ETRY	KURT OSIS
481	BICEPS, FLEXED, RIGHT MINUS	-0.18	0.05	1.99	0.03	GT99	1905	0.17	3.31
	ELBOW CIRCUMFERENCE, FLEXED	-0.07	0.02	0.78	0.01	GT99	1905	0.17	3.31
482	BICEPS, RELAXED, RIGHT MINUS	2.14	0.03	1.41	0.02	65.8	1905	0.63	3.59
	FOREARM CIRCUMFERENCE, RELAXED	0.84	0.01	0.55	0.01	65.8	1905	0.63	3.59
483	BICEPS, FLEXED, RIGHT MINUS	1.82	0.03	1.40	0.02	76.8	1905	0.62	3.78
	FOREARM CIRCUMFERENCE, FLEXED	0.72	0.01	0.55	0.01	76.8	1905	0.62	3.78
484	ELBOW CIRCUMFER, FLEXED MINUS	2.00	0.03	1.18	0.02	59.2	1905	0.47	3.07
	FOREARM CIRCUMFERENCE, FLEXED	0.79	0.01	0.47	0.01	59.2	1905	0.47	3.07
485	FOREARM CIRCUM, RELAXED MINUS	8.51	0.02	1.01	0.02	11.9	1905	0.33	3.28
	WRIST CIRCUMFERENCE	3.35	0.01	0.40	0.01	11.9	1905	0.33	3.28
486	CALF CIRCUMFERENCE, RIGHT MINUS	13.06	0.04	1.55	0.03	11.8	1905	0.25	3.67
	ANKLE CIRCUMFERENCE	5.14	0.01	0.61	0.01	11.8	1905	0.25	3.67
487	BIDELTOID BREADTH MINUS	6.03	0.04	1.86	0.03	30.8	1905	0.31	3.19
	BIACROMIAL BREADTH	2.37	0.02	0.73	0.01	30.8	1905	0.31	3.19
488	BIACROMIAL BREADTH MINUS	7.85	0.04	1.86	0.03	23.7	1905	-0.21	3.14
	CHEST BREADTH	3.09	0.02	0.73	0.01	23.7	1905	-0.21	3.14
489	CHEST BREADTH MINUS	3.87	0.04	1.69	0.03	43.6	1905	0.10	3.07
	WAIST BREADTH	1.52	0.02	0.66	0.01	43.6	1905	0.10	3.07
490	CHEST BREADTH MINUS	-6.97	0.05	2.06	0.03	29.5	1905	0.00	3.16
	HIP BREADTH	-2.75	0.02	0.81	0.01	29.5	1905	0.00	3.16
491	WAIST BREADTH MINUS	-10.84	0.04	1.93	0.03	17.8	1905	0.05	3.54
	HIP BREADTH	-4.27	0.02	0.76	0.01	17.8	1905	0.05	3.54
492	CHEST DEPTH MINUS	6.63	0.03	1.42	0.02	21.5	1905	0.08	2.89
	WAIST DEPTH	2.61	0.01	0.56	0.01	21.5	1905	0.08	2.89
493	CHEST DEPTH MINUS	2.75	0.04	1.54	0.03	56.1	1905	-0.05	3.29
	ABDOMINAL EXTENSION DEPTH	1.08	0.01	0.61	0.01	56.1	1905	-0.05	3.29
494	CHEST DEPTH MINUS	2.49	0.04	1.58	0.03	63.6	1905	0.05	3.21
	BUTTOCK DEPTH	0.98	0.01	0.62	0.01	63.6	1905	0.05	3.21
495	WAIST DEPTH MINUS	-3.88	0.02	1.09	0.02	28.0	1905	-0.12	3.20
	ABDOMINAL EXTENSION DEPTH	-1.53	0.01	0.43	0.01	28.0	1905	-0.12	3.20
496	WAIST DEPTH MINUS	-4.14	0.03	1.38	0.02	33.2	1905	0.04	3.16
	BUTTOCK DEPTH	-1.63	0.01	0.54	0.01	33.2	1905	0.04	3.16
497	ABDOMINAL EXTENSION DEPTH	-0.26	0.03	1.36	0.02	GT99	1905	0.11	3.37
	MINUS BUTTOCK DEPTH	-0.10	0.01	0.54	0.01	GT99	1905	0.11	3.37
498	BIAURICULAR BREADTH MINUS	1.32	0.02	0.97	0.02	73.5	1905	0.14	2.56
	HEAD BREADTH	0.52	0.01	0.38	0.01	73.5	1905	0.14	2.56

UNITS...UPPER LINES, CENTIMETERS OR KILOGRAMS...LOWER LINES, INCHES OR POUNDS

TABLE XXXIX

STATISTICAL SUMMARIES AND SELECTED PERCENTILES FOR COMPUTED VARIABLES

PERCENTILES													VAR
1ST	5TH	10TH	15TH	25TH	35TH	50TH	65TH	75TH	85TH	90TH	95TH	99TH	NO
-4.7	-3.4	-2.7	-2.2	-1.5	-1.0	-0.2	0.5	1.1	1.8	2.3	3.1	4.9	481
-1.8	-1.3	-1.1	-0.9	-0.6	-0.4	-0.1	0.2	0.4	0.7	0.9	1.2	1.9	
-0.5	0.1	0.5	0.7	1.1	1.5	2.0	2.5	3.0	3.6	4.0	4.7	6.2	482
-0.2	0.0	0.2	0.3	0.5	0.6	0.8	1.0	1.2	1.4	1.6	1.8	2.4	
-0.9	-0.3	0.1	0.4	0.8	1.2	1.7	2.2	2.6	3.2	3.6	4.3	5.9	483
-0.3	-0.1	0.1	0.2	0.3	0.5	0.7	0.9	1.0	1.3	1.4	1.7	2.3	
-0.3	0.3	0.6	0.8	1.2	1.5	1.9	2.4	2.7	3.2	3.6	4.1	5.1	484
-0.1	0.1	0.2	0.3	0.5	0.6	0.7	0.9	1.1	1.3	1.4	1.6	2.0	
6.4	6.9	7.2	7.5	7.8	8.1	8.5	8.9	9.2	9.5	9.8	10.2	11.1	485
2.5	2.7	2.8	2.9	3.1	3.2	3.3	3.5	3.6	3.8	3.9	4.0	4.4	
9.7	10.6	11.1	11.5	12.0	12.5	13.0	13.6	14.0	14.6	15.0	15.6	17.0	486
3.8	4.2	4.4	4.5	4.7	4.9	5.1	5.4	5.5	5.7	5.9	6.1	6.7	
2.2	3.2	3.7	4.1	4.7	5.2	5.9	6.7	7.2	7.9	8.4	9.2	10.8	487
0.9	1.2	1.5	1.6	1.9	2.1	2.3	2.6	2.8	3.1	3.3	3.6	4.3	
3.1	4.7	5.4	5.9	6.7	7.2	7.9	8.6	9.1	9.8	10.2	10.8	12.0	488
1.2	1.8	2.1	2.3	2.6	2.8	3.1	3.4	3.6	3.8	4.0	4.3	4.7	
-0.1	1.1	1.7	2.1	2.7	3.2	3.8	4.5	5.0	5.6	6.0	6.7	8.1	489
-0.0	0.4	0.7	0.8	1.1	1.3	1.5	1.8	2.0	2.2	2.4	2.6	3.2	
-11.8	-10.4	-9.6	-9.1	-8.4	-7.8	-7.0	-6.2	-5.6	-4.8	-4.3	-3.6	-2.3	490
-4.7	-4.1	-3.8	-3.6	-3.3	-3.1	-2.7	-2.4	-2.2	-1.9	-1.7	-1.4	-0.9	
-15.5	-14.0	-13.3	-12.8	-12.1	-11.5	-10.8	-10.1	-9.6	-8.9	-8.4	-7.6	-6.0	491
-6.1	-5.5	-5.2	-5.0	-4.8	-4.5	-4.3	-4.0	-3.8	-3.5	-3.3	-3.0	-2.4	
3.5	4.3	4.8	5.1	5.6	6.1	6.6	7.2	7.6	8.1	8.5	9.0	10.0	492
1.4	1.7	1.9	2.0	2.2	2.4	2.6	2.8	3.0	3.2	3.3	3.5	3.9	
-1.1	0.3	0.9	1.2	1.8	2.2	2.7	3.3	3.8	4.3	4.7	5.3	6.4	493
-0.4	0.1	0.3	0.5	0.7	0.9	1.1	1.3	1.5	1.7	1.9	2.1	2.5	
-1.4	-0.1	0.5	0.9	1.4	1.9	2.5	3.1	3.5	4.1	4.5	5.1	6.4	494
-0.5	-0.0	0.2	0.4	0.6	0.7	1.0	1.2	1.4	1.6	1.8	2.0	2.5	
-6.6	-5.7	-5.3	-5.0	-4.6	-4.3	-3.9	-3.5	-3.2	-2.8	-2.5	-2.1	-1.4	495
-2.6	-2.2	-2.1	-2.0	-1.8	-1.7	-1.5	-1.4	-1.2	-1.1	-1.0	-0.8	-0.5	
-7.3	-6.4	-5.9	-5.6	-5.1	-4.7	-4.1	-3.6	-3.2	-2.7	-2.4	-1.9	-0.9	496
-2.9	-2.5	-2.3	-2.2	-2.0	-1.8	-1.6	-1.4	-1.3	-1.1	-0.9	-0.7	-0.3	
-3.5	-2.5	-2.0	-1.6	-1.1	-0.8	-0.3	0.2	0.6	1.1	1.4	2.0	3.3	497
-1.4	-1.0	-0.8	-0.6	-0.4	-0.3	-0.1	0.1	0.2	0.4	0.6	0.8	1.3	
-0.5	-0.3	0.0	0.2	0.6	0.9	1.3	1.7	2.0	2.4	2.6	2.9	3.6	498
-0.2	-0.1	0.0	0.1	0.2	0.4	0.5	0.7	0.8	0.9	1.0	1.1	1.4	

UNITS...UPPER LINES, CENTIMETERS OR KILOGRAMS...LOWER LINES, INCHES OR POUNDS

TABLE XXXIX

STATISTICAL SUMMARIES AND SELECTED PERCENTILES FOR COMPUTED VARIABLES

	VARIABLE	MEAN	SE (M)	ST DEV	SE (SD)	COEF VAR	SAMPLE SIZE	SYMM ETRY	KURT OSIS
499	HEAD BREADTH MINUS	1.63	0.01	0.50	0.01	31.0	1905	-0.06	3.43
	BITRAGION BREADTH	0.64	0.00	0.20	0.00	31.0	1905	-0.06	3.43
500	HEAD BREADTH MINUS	1.62	0.01	0.59	0.01	36.4	1905	0.17	3.42
	BIZYGOMATIC BREADTH	0.64	0.01	0.23	0.00	36.4	1905	0.17	3.42
501	HEAD BREADTH MINUS	4.33	0.02	0.67	0.01	15.4	1905	-0.12	3.11
	BIGONIAL BREADTH	1.70	0.01	0.26	0.00	15.4	1905	-0.12	3.11
502	HEAD BREADTH MINUS	4.84	0.02	0.69	0.01	14.2	1905	-0.15	2.98
	BIOCULAR BREADTH	1.91	0.01	0.27	0.00	14.2	1905	-0.15	2.98
503	BITRAGION BREADTH MINUS	-0.01	0.01	0.41	0.01	GT99	1905	0.97	4.59
	BIZYGOMATIC BREADTH	-0.00	0.00	0.16	0.00	GT99	1905	0.97	4.59
504	BITRAGION BREADTH MINUS	2.70	0.01	0.52	0.01	19.2	1905	0.23	3.09
	BIGONIAL BREADTH	1.06	0.00	0.20	0.00	19.2	1905	0.23	3.09
505	BITRAGION BREADTH MINUS	3.22	0.01	0.56	0.01	17.3	1905	0.02	2.95
	BIOCULAR BREADTH	1.27	0.01	0.22	0.00	17.3	1905	0.02	2.95
506	BIZYGOMATIC BREADTH MINUS	2.71	0.01	0.53	0.01	19.6	1905	0.01	3.28
	BIGONIAL BREADTH	1.07	0.00	0.21	0.00	19.6	1905	0.01	3.28
507	BIZYGOMATIC BREADTH MINUS	3.23	0.01	0.58	0.01	17.9	1905	-0.12	3.00
	BIOCULAR BREADTH	1.27	0.01	0.23	0.00	17.9	1905	-0.12	3.00
508	BIGONIAL BREADTH MINUS	0.51	0.01	0.57	0.01	GT99	1905	-0.08	3.04
	BIOCULAR BREADTH	0.20	0.01	0.23	0.00	GT99	1905	-0.08	3.04
509	FOREARM-HAND LENGTH (RADIALE-	41.77	0.05	2.00	0.03	4.8	1905	0.19	3.00
	STYLION PLUS HAND LENGTH)	16.44	0.02	0.79	0.01	4.8	1905	0.19	3.00
510	BUTTOCK-KNEE LENGTH MINUS	9.72	0.03	1.40	0.02	14.4	1905	0.27	3.13
	BUTTOCK POPLITEAL LENGTH	3.83	0.01	0.55	0.01	14.4	1905	0.27	3.13
511	SCYE TO ELBOW LENGTH	32.95	0.05	2.02	0.03	6.1	1905	-0.01	3.15
	(SLEEVE LENGTH SEGMENT)	12.97	0.02	0.79	0.01	6.1	1905	-0.01	3.15
512	SCYE TO WRIST LENGTH	59.22	0.07	2.94	0.05	5.0	1905	0.09	3.16
	(SLEEVE LENGTH SEGMENT)	23.31	0.03	1.16	0.02	5.0	1905	0.09	3.16
513	ELBOW TO WRIST LENGTH	26.27	0.03	1.37	0.02	5.2	1905	0.17	3.11
	(SLEEVE LENGTH SEGMENT)	10.34	0.01	0.54	0.01	5.2	1905	0.17	3.11
514	FRONT CURVATURE (BUST CIRCUMFE	47.58	0.10	4.48	0.07	9.4	1905	0.44	3.64
	RENCE MINUS BACK CURVATURE)	18.73	0.04	1.76	0.03	9.4	1905	0.44	3.64

UNITS...UPPER LINES, CENTIMETERS OR KILOGRAMS...LOWER LINES, INCHES OR POUNDS

TABLE XXXIX

STATISTICAL SUMMARIES AND SELECTED PERCENTILES FOR COMPUTED VARIABLES

PERCENTILES													VAR
1ST	5TH	10TH	15TH	25TH	35TH	50TH	65TH	75TH	85TH	90TH	95TH	99TH	NO
0.4	0.8	1.0	1.1	1.3	1.4	1.6	1.8	2.0	2.1	2.3	2.5	2.9	499
0.1	0.3	0.4	0.4	0.5	0.6	0.6	0.7	0.8	0.8	0.9	1.0	1.1	
0.2	0.7	0.9	1.0	1.2	1.4	1.6	1.8	2.0	2.2	2.4	2.6	3.1	500
0.1	0.3	0.4	0.4	0.5	0.5	0.6	0.7	0.8	0.9	0.9	1.0	1.2	
2.7	3.2	3.5	3.6	3.9	4.1	4.3	4.6	4.8	5.0	5.2	5.4	5.8	501
1.1	1.3	1.4	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.0	2.1	2.3	
3.2	3.7	3.9	4.1	4.4	4.6	4.9	5.1	5.3	5.5	5.7	5.9	6.4	502
1.2	1.4	1.6	1.6	1.7	1.8	1.9	2.0	2.1	2.2	2.2	2.3	2.5	
-0.9	-0.5	-0.4	-0.4	-0.3	-0.2	-0.1	0.1	0.2	0.4	0.5	0.8	1.3	503
-0.3	-0.2	-0.2	-0.1	-0.1	-0.1	-0.0	0.0	0.1	0.2	0.2	0.3	0.5	
1.5	1.9	2.1	2.2	2.3	2.5	2.7	2.9	3.0	3.2	3.4	3.6	4.0	504
0.6	0.7	0.8	0.9	0.9	1.0	1.1	1.1	1.2	1.3	1.3	1.4	1.6	
1.9	2.3	2.5	2.6	2.8	3.0	3.2	3.4	3.6	3.8	3.9	4.1	4.5	505
0.8	0.9	1.0	1.0	1.1	1.2	1.3	1.4	1.4	1.5	1.5	1.6	1.8	
1.4	1.8	2.0	2.2	2.4	2.5	2.7	2.9	3.1	3.3	3.4	3.6	4.0	506
0.6	0.7	0.8	0.9	0.9	1.0	1.1	1.1	1.2	1.3	1.3	1.4	1.6	
1.8	2.2	2.5	2.6	2.8	3.0	3.2	3.5	3.6	3.8	3.9	4.1	4.6	507
0.7	0.9	1.0	1.0	1.1	1.2	1.3	1.4	1.4	1.5	1.6	1.6	1.8	
-0.9	-0.4	-0.2	-0.1	0.1	0.3	0.5	0.7	0.9	1.1	1.3	1.5	1.8	508
-0.3	-0.2	-0.1	-0.0	0.1	0.1	0.2	0.3	0.4	0.4	0.5	0.6	0.7	
37.5	38.6	39.2	39.7	40.4	40.9	41.7	42.5	43.1	43.8	44.4	45.2	46.8	509
14.8	15.2	15.4	15.6	15.9	16.1	16.4	16.7	17.0	17.3	17.5	17.8	18.4	
6.7	7.6	8.0	8.3	8.7	9.1	9.6	10.2	10.6	11.2	11.6	12.2	13.3	510
2.6	3.0	3.1	3.3	3.4	3.6	3.8	4.0	4.2	4.4	4.6	4.8	5.2	
28.1	29.6	30.4	30.9	31.6	32.2	33.0	33.7	34.3	35.0	35.5	36.3	37.6	511
11.0	11.7	12.0	12.2	12.5	12.7	13.0	13.3	13.5	13.8	14.0	14.3	14.8	
52.3	54.4	55.5	56.2	57.3	58.1	59.2	60.3	61.1	62.2	63.0	64.1	66.6	512
20.6	21.4	21.9	22.1	22.5	22.9	23.3	23.7	24.1	24.5	24.8	25.3	26.2	
23.2	24.1	24.5	24.9	25.3	25.7	26.2	26.8	27.2	27.7	28.0	28.6	29.8	513
9.1	9.5	9.7	9.8	10.0	10.1	10.3	10.5	10.7	10.9	11.0	11.3	11.7	
38.2	40.9	42.2	43.1	44.5	45.6	47.2	48.9	50.3	52.2	53.5	55.5	59.5	514
15.0	16.1	16.6	17.0	17.5	18.0	18.6	19.3	19.8	20.5	21.0	21.8	23.4	

UNITS...UPPER LINES, CENTIMETERS OR KILOGRAMS...LOWER LINES, INCHES OR POUNDS

A 'Locator' for tables XXXVIII and XXXIX appears as table XL. In this table, for each of the original variables, a list is given of all the indices and computed measurements in which it is involved. To find the location, for example, of the tailor's *rise*, that is, the difference between waist height and crotch height, we examine the listings for these two heights (variables 13 and 19) and find *361* as the only number listed for both; ergo, variable 361 which appears in table XL must be *rise* if *rise* has been included in the table. There are a few instances in which the same variables occur in more than one new variable, but this should create no serious problems in using this locater. Original variables not involved in any of the computed variables do not appear in this table. Computed variables used in calculating indices appear at the end of the table.

Statistics for computed variables and indices similar to those in tables XXXVIII and XXXIX can be approximated with varying degrees of accuracy on the basis of the means, standard deviations, and correlation coefficients of the measurements involved. Formulas for such approximations for use when direct computation cannot be carried out appear in appendix IV.

TABLE XL

'LOCATOR' FOR TABLES XXXVIII AND XXXIX

Following each variable name are the number of the indices (201-271: Table XXXVIII and the computed variables (301-514: table XXXIX) which involve the named variable.

2. Weight: 201
7. Stature: 201, 203, 229-271, 301-313, 407
8. Stature, Maximum: 407
9. Cervicale Height: 229, 301, 314-325
10. Acromial Height: 230, 302, 314, 326-336
11. Suprasternale Height: 231, 303, 315, 326, 337-346
12. Bustpoint Height: 232, 304, 316, 327, 337, 347-355
13. Waist Height: 233, 305, 317, 328, 338, 347, 356-363, 418
14. Abdominal Extension Height: 234, 306, 318, 329, 339, 348, 356, 364-370, 417
15. Trochanteric Height: 235, 307, 319, 330, 340, 349, 357, 364, 371-376
16. Buttock Height: 236, 308, 320, 331, 341, 350, 358, 365, 371, 377-381
17. Gluteal Furrow Height: 237, 309, 321, 332, 342, 351, 359, 366, 372, 377, 382-385
18. Tibiale Height: 238, 310, 322, 333, 343, 352, 360, 367, 373, 378, 382, 386-388
19. Crotch Height: 239, 311, 323, 334, 344, 353, 361, 368, 374, 379, 383, 386, 389, 390
20. Ankle Height: 240, 312, 324, 335, 345, 354, 362, 369, 375, 380, 384, 387, 389, 391
21. Lateral Malleolus Height: 241, 313, 325, 336, 346, 355, 363, 370, 376, 381, 385, 388, 390, 391
22. Sitting Height, Relaxed: 243, 408
23. Sitting Height: 203, 242, 392-395, 408
24. Eye Height, Sitting: 244, 392, 396-398
25. Midshoulder Height, Sitting: 245, 393, 396, 399, 400
26. Waist Height, Sitting: 246, 394, 397, 399, 401
27. Elbow Rest Height: 247, 395, 398, 400, 401
28. Popliteal Height: 248
29. Buttock-Popliteal Length: 249, 510
30. Buttock-Knee Length: 250, 510
31. Acromion-Radiale Length: 215, 218, 251
32. Radiale-Stylion Length: 215, 216, 219, 252, 509
33. Thumb-Tip Reach: 258, 409
34. Thumb-Tip Reach, Extended: 259, 409
35. Overhead Reach: 260
37. Shoulder Circumference: 261, 443-450
38. Chest Circumference at Scye: 262, 443, 451-457
39. Bust Circumference: 224, 227, 263, 444, 451, 458-463, 514
40. Chest Circumference below Bust: 224, 264, 445, 452, 458, 464-468
41. Waist Circumference: 228, 265, 421, 446, 453, 459, 464, 469-472

TABLE XL—(Continued)

42. Abdominal Extension Circumference: 266, 415, 447, 454, 460, 465, 469, 473-475
43. Hip Circumference—Seven Inches Below Waist Level: 267, 422, 448, 455, 461, 466, 470, 473, 476, 477
44. Hip Circumference—Nine Inches Below Waist Level: 268, 423, 449, 456, 462, 467, 471, 474, 476, 478
45. Upper Thigh Circumference: 221
47. Calf Circumference, Right: 221, 222, 402, 486
48. Calf Circumference, Left: 402
49. Ankle Circumference: 222, 486
50. Vertical Trunk Circumference: 269, 414
51. Vertical Trunk Circumference, Sitting: 270, 414
52. Buttock Circumference, Sitting: 271, 424, 450, 457, 463, 468, 472, 475, 477, 478
53. Scye Circumference: 479
54. Axillary Arm Circumference: 479, 480
55. Biceps Circumference, Relaxed, Right: 220, 406, 411, 480, 482
56. Biceps Circumference, Flexed, Right: 405, 411, 481, 483
57. Biceps Circumference, Relaxed, Left: 406, 412
58. Biceps Circumference, Flexed, Left: 405, 412
59. Elbow Circumference, Flexed: 481, 484
60. Forearm Circumference, Relaxed: 220, 413, 482, 485
61. Forearm Circumference, Flexed: 413, 483, 484
62. Wrist Circumference: 485
63. Biacromial Breadth: 212, 223, 487, 488
64. Bideltoid Breadth: 211, 223, 487
65. Chest Breadth: 209, 227, 488, 489, 490
66. Bustpoint to Bustpoint Breadth: 211
67. Waist Breadth: 210, 228, 419, 489, 491
68. Hip Breadth: 212, 425, 490, 491
69. Thigh-To-Thigh Breadth, Sitting: 427
70. Humeral Breadth, Right: 225, 403
71. Humeral Breadth, Left: 403
72. Femoral Breadth, Right: 225, 404
73. Femoral Breadth, Left: 404
74. Chest Depth: 209, 227, 492, 493, 494
75. Waist Depth: 210, 228, 420, 492, 495, 496
76. Abdominal Extension Depth: 416, 493, 495, 496
77. Buttock Depth: 426, 494, 496, 497
82. Interscye Curvature: 410
83. Interscye Curvature, Maximum: 410
84. Back Curvature: 514
88. Spine-To-Scye Length (Sleeve Length Segment): 511, 512
89. Spine-To-Elbow Length (Sleeve Length Segment): 511, 513
90. Spine-To-Wrist Length (Sleeve Length): 512, 513
91. Hand Length: 213, 216, 256, 509
92. Hand Breadth: 213
94. Foot Length: 214, 257
95. Foot Breadth: 214
96. Head Length: 202, 206, 226
97. Head Breadth: 202, 206, 208, 226, 498-502
98. Head Circumference: 226
99. Tragion To Top of Head: 206, 428-432
100. Ectocanthus To Top of Head: 428, 433-436
101. Pronasale To Top of Head: 429, 433, 437-439
102. Subnasale To Top of Head: 430, 434, 437, 440, 441
103. Stomion To Top of Head: 431, 435, 438, 440, 442
104. Menton To Top of Head: 432, 436, 439, 441, 442
105. Tragion to Wall: 428-432
106. Ectocanthus To Wall: 428, 433-436
107. Pronasale To Wall: 429, 433, 437-439
108. Subnasale To Wall: 430, 434, 437, 440, 441
109. Lip Protrusion To Wall: 431, 435, 438, 440, 442
110. Menton To Wall: 432, 436, 439, 441, 442
113. Biocular Breadth: 502, 505, 507, 508
114. Biauricular Breadth: 498
115. Bitragion Breadth: 499, 503, 504, 505
116. Bizygomatic Breadth: 204, 208, 500, 503, 506, 507
117. Bigonial Breadth: 501, 504, 506, 508
118. Nasal Breadth: 205
121. Menton-Sellion Length: 204
122. Subnasale-Sellion Length: 205

TABLE XL—(Continued)

123. Ear Length: 207
124. Ear Breadth: 207
126. Waist Height, Over Foundation Garment: 418
127. Abdominal Extension Height, Over Foundation Garment: 417
128. Waist Circumference, Over Foundation Garment: 421
129. Abdominal Extension Circumference, Over Foundation Garment: 415
130. Hip Circumference—Seven Inches Below Waist Level, Over Foundation Garment: 422
131. Hip Circumference—Nine Inches Below Waist Level, Over Foundation Garment: 423
132. Waist Breadth, Over Foundation Garment: 419
133. Hip Breadth, Over Foundation Garment: 425
134. Waist Depth, Over Foundation Garment: 420
135. Abdominal Extension Depth, Over Foundation Garment: 416
136. Buttock Depth, Over Foundation Garment: 426
137. Buttock Circumference, Sitting, Over Foundation Garment: 424
138. Thigh-To-Thigh Breadth, Sitting, Over Foundation Garment: 427
509. Forearm-Hand Length: 253
373. Length of Thigh: 217, 218, 254
388. Length of Leg: 217, 219, 255

SECTION XX

SUMMARY STATISTICS, OFFICERS AND ENLISTED WOMEN

Statistics for the 548 officer and officer candidate women are given in table XLI and for the 1357 basic trainees and enlisted women in table XLII. Background data for these two groups of women have been given in the discussion of these variables for the entire sample series. Sample size for the over-foundation-garment measurements is 1123 for the officers and 390 for the enlisted women.

TABLE XLI
STATISTICAL SUMMARIES AND SELECTED PERCENTILES FOR OFFICER SERIES

	VARIABLE	MEAN	SE (M)	ST DEV	SE (SD)	COEF VAR	SAMPLE SIZE	SYMM ETRY	KURT OSIS
1	AGE	29.72	0.32	7.38	0.22	24.8	547	1.03	3.22
2	WEIGHT	59.66	0.36	8.38	0.25	14.0	548	0.55	3.07
		131.52	0.79	18.47	0.56	14.0	548	0.55	3.07
3	TRICEPS SKINFOLD	1.98	0.03	0.59	0.02	29.6	548	0.72	4.37
		0.78	0.01	0.23	0.01	29.6	548	0.72	4.37
4	SUBSCAPULAR SKINFOLD	1.38	0.02	0.56	0.02	40.8	548	1.22	4.40
		0.54	0.01	0.22	0.01	40.8	548	1.22	4.40
5	SUPRAILIAC SKINFOLD	1.97	0.03	0.77	0.02	39.2	548	0.55	3.37
		0.78	0.01	0.30	0.01	39.2	548	0.55	3.37
6	MEDIAL CALF SKINFOLD	1.59	0.02	0.56	0.02	35.3	548	0.27	3.62
		0.63	0.01	0.22	0.01	35.3	548	0.27	3.62
7	STATURE	162.77	0.27	6.20	0.19	3.8	548	-0.00	2.79
		64.08	0.10	2.44	0.07	3.8	548	-0.00	2.79
8	STATURE, MAXIMUM	163.42	0.27	6.24	0.19	3.8	548	0.01	2.80
		64.34	0.10	2.46	0.07	3.8	548	0.01	2.80
9	CERVICALE HEIGHT	139.66	0.24	5.70	0.17	4.1	548	-0.03	2.82
		54.98	0.10	2.24	0.07	4.1	548	-0.03	2.82
10	ACROMIAL HEIGHT	132.36	0.24	5.62	0.17	4.2	548	-0.04	2.70
		52.11	0.09	2.21	0.07	4.2	548	-0.04	2.70
11	SUPRASTERNALE HEIGHT	132.45	0.23	5.44	0.16	4.1	548	-0.02	2.79
		52.15	0.09	2.14	0.06	4.1	548	-0.02	2.79
12	BUSTPOINT HEIGHT	118.40	0.23	5.28	0.16	4.5	548	0.05	3.06
		46.62	0.09	2.08	0.06	4.5	548	0.05	3.06
13	WAIST HEIGHT	100.68	0.19	4.55	0.14	4.5	548	0.05	2.86
		39.64	0.08	1.79	0.05	4.5	548	0.05	2.86
14	ABDOMINAL EXTENSION HEIGHT	93.15	0.20	4.57	0.14	4.9	548	0.07	2.92
		36.67	0.08	1.80	0.05	4.9	548	0.07	2.92
15	TROCHANTERIC HEIGHT	82.76	0.19	4.40	0.13	5.3	548	0.08	2.75
		32.58	0.07	1.73	0.05	5.3	548	0.08	2.75
16	BUTTOCK HEIGHT	82.08	0.18	4.26	0.13	5.2	548	-0.03	3.11
		32.32	0.07	1.68	0.05	5.2	548	-0.03	3.11
17	GLUTEAL FURROW HEIGHT	72.52	0.17	4.03	0.12	5.6	548	0.09	3.21
		28.55	0.07	1.58	0.05	5.6	548	0.09	3.21
18	TIBIALE HEIGHT	42.07	0.11	2.52	0.08	6.0	548	0.15	2.92
		16.56	0.04	0.99	0.03	6.0	548	0.15	2.92

UNITS...UPPER LINES, CENTIMETERS OR KILOGRAMS...LOWER LINES, INCHES OR POUNDS

TABLE XLI

STATISTICAL SUMMARIES AND SELECTED PERCENTILES FOR OFFICER SERIES

PERCENTILES													VAR
1ST	5TH	10TH	15TH	25TH	35TH	50TH	65TH	75TH	85TH	90TH	95TH	99TH	NO
21.1	21.9	22.2	22.7	23.7	25.0	27.5	30.9	33.8	37.8	40.7	44.7	50.3	1
44.3	47.4	49.4	51.0	53.5	55.6	58.8	62.2	65.0	68.6	71.1	74.9	82.4	2
97.8	104.4	108.9	112.3	117.9	122.7	129.7	137.2	143.2	151.1	156.7	165.2	181.8	
0.8	1.1	1.3	1.4	1.6	1.7	1.9	2.1	2.3	2.5	2.7	3.0	3.6	3
0.3	0.4	0.5	0.5	0.6	0.7	0.8	0.8	0.9	1.0	1.1	1.2	1.4	
0.6	0.7	0.8	0.8	0.9	1.1	1.2	1.5	1.7	1.9	2.2	2.5	3.2	4
0.2	0.3	0.3	0.3	0.4	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.3	
0.6	0.8	1.0	1.1	1.4	1.6	1.9	2.2	2.5	2.7	2.9	3.3	4.4	5
0.2	0.3	0.4	0.4	0.5	0.6	0.8	0.9	1.0	1.1	1.1	1.3	1.7	
0.2	0.7	0.9	1.0	1.2	1.4	1.6	1.8	1.9	2.1	2.3	2.5	3.1	6
0.1	0.3	0.3	0.4	0.5	0.5	0.6	0.7	0.8	0.8	0.9	1.0	1.2	
149.1	152.3	154.5	156.1	158.5	160.4	162.9	165.3	167.0	169.2	170.6	172.8	177.5	7
58.7	60.0	60.8	61.4	62.4	63.1	64.1	65.1	65.8	66.6	67.2	68.0	69.9	
149.7	152.9	155.1	156.7	159.1	161.0	163.5	165.9	167.7	169.8	171.3	173.6	178.6	8
58.9	60.2	61.1	61.7	62.6	63.4	64.4	65.3	66.0	66.9	67.4	68.3	70.3	
127.1	130.2	132.2	133.6	135.7	137.4	139.7	142.0	143.6	145.6	147.0	149.0	152.7	9
50.0	51.3	52.0	52.6	53.4	54.1	55.0	55.9	56.5	57.3	57.9	58.6	60.1	
120.1	122.9	124.8	126.2	128.4	130.2	132.5	134.7	136.3	138.2	139.5	141.4	145.0	10
47.3	48.4	49.1	49.7	50.6	51.3	52.2	53.0	53.7	54.4	54.9	55.7	57.1	
120.0	123.3	125.3	126.7	128.7	130.4	132.5	134.6	136.1	138.0	139.3	141.3	145.4	11
47.2	48.5	49.3	49.9	50.7	51.3	52.2	53.0	53.6	54.3	54.8	55.6	57.3	
106.5	109.6	111.5	112.9	114.8	116.4	118.4	120.4	121.9	123.8	125.1	127.1	131.5	12
41.9	43.2	43.9	44.4	45.2	45.8	46.6	47.4	48.0	48.7	49.2	50.0	51.8	
90.6	93.1	94.7	95.8	97.5	98.9	100.7	102.4	103.7	105.4	106.5	108.1	111.4	13
35.7	36.7	37.3	37.7	38.4	38.9	39.6	40.3	40.8	41.5	41.9	42.6	43.9	
83.1	85.5	87.1	88.3	90.0	91.4	93.2	94.9	96.2	97.9	99.0	100.7	104.7	14
32.7	33.7	34.3	34.8	35.4	36.0	36.7	37.4	37.9	38.5	39.0	39.7	41.2	
73.4	75.6	77.1	78.1	79.7	81.0	82.7	84.5	85.8	87.4	88.5	90.1	92.9	15
28.9	29.8	30.3	30.7	31.4	31.9	32.6	33.3	33.8	34.4	34.8	35.5	36.6	
72.9	74.9	76.4	77.5	79.2	80.5	82.2	83.8	85.0	86.4	87.4	88.9	92.4	16
28.7	29.5	30.1	30.5	31.2	31.7	32.4	33.0	33.5	34.0	34.4	35.0	36.4	
63.6	66.0	67.4	68.4	69.8	71.0	72.5	74.0	75.2	76.6	77.6	79.2	82.4	17
25.0	26.0	26.5	26.9	27.5	27.9	28.5	29.1	29.6	30.2	30.6	31.2	32.4	
36.7	38.1	38.9	39.5	40.3	41.1	42.0	43.0	43.7	44.7	45.4	46.4	48.6	18
14.5	15.0	15.3	15.5	15.9	16.2	16.5	16.9	17.2	17.6	17.9	18.3	19.1	

UNITS...UPPER LINES, CENTIMETERS OR KILOGRAMS...LOWER LINES, INCHES OR POUNDS

TABLE XLI
STATISTICAL SUMMARIES AND SELECTED PERCENTILES FOR OFFICER SERIES

	VARIABLE	MEAN	SE (M)	ST DEV	SE (SD)	COEF VAR	SAMPLE SIZE	SYMM ETRY	KURT OSIS
19	CROTCH HEIGHT	74.39	0.18	4.17	0.13	5.6	548	0.13	3.09
		29.29	0.07	1.64	0.05	5.6	548	0.13	3.09
20	ANKLE HEIGHT	11.18	0.06	1.37	0.04	12.3	548	0.25	2.51
		4.40	0.02	0.54	0.02	12.3	548	0.25	2.51
21	LATERAL MALLEOLUS HEIGHT	6.79	0.03	0.60	0.02	8.8	548	-0.02	3.10
		2.67	0.01	0.23	0.01	8.8	548	-0.02	3.10
22	SITTING HEIGHT, RELAXED	85.01	0.14	3.19	0.10	3.8	548	0.00	3.11
		33.47	0.05	1.26	0.04	3.8	548	0.00	3.11
23	SITTING HEIGHT	86.23	0.14	3.19	0.10	3.7	548	0.00	3.10
		33.95	0.05	1.26	0.04	3.7	548	0.00	3.10
24	EYE HEIGHT, SITTING	74.41	0.13	3.07	0.09	4.1	548	0.07	2.91
		29.30	0.05	1.21	0.04	4.1	548	0.07	2.91
25	MIDSHOULDER HEIGHT, SITTING	58.51	0.11	2.68	0.08	4.6	548	0.15	2.81
		23.04	0.05	1.06	0.03	4.6	548	0.15	2.81
26	WAIST HEIGHT, SITTING	23.75	0.07	1.67	0.05	7.1	548	0.07	2.94
		9.35	0.03	0.66	0.02	7.1	548	0.07	2.94
27	ELBOW REST HEIGHT	22.91	0.10	2.40	0.07	10.5	548	0.12	2.97
		9.02	0.04	0.95	0.03	10.5	548	0.12	2.97
28	POPLITEAL HEIGHT	41.00	0.08	1.93	0.06	4.7	548	-0.09	3.90
		16.14	0.03	0.76	0.02	4.7	548	-0.09	3.90
29	BUTTOCK-POPLITEAL LENGTH	47.94	0.12	2.71	0.08	5.7	548	0.24	2.94
		18.88	0.05	1.07	0.03	5.7	548	0.24	2.94
30	BUTTOCK-KNEE LENGTH	57.60	0.11	2.62	0.08	4.5	548	0.02	2.72
		22.68	0.04	1.03	0.03	4.5	548	0.02	2.72
31	ACROMION-RADIALE LENGTH	31.14	0.07	1.65	0.05	5.3	548	-0.15	2.96
		12.26	0.03	0.65	0.02	5.3	548	-0.15	2.96
32	RADIALE-STYLION LENGTH	23.36	0.06	1.37	0.04	5.9	548	-0.01	3.00
		9.20	0.02	0.54	0.02	5.9	548	-0.01	3.00
33	THUMB-TIP REACH	74.31	0.17	3.87	0.12	5.2	548	-0.16	2.97
		29.25	0.07	1.52	0.05	5.2	548	-0.16	2.97
34	THUMB-TIP REACH, EXTENDED	84.28	0.21	4.87	0.15	5.8	548	0.13	2.87
		33.18	0.08	1.92	0.06	5.8	548	0.13	2.87
35	OVERHEAD REACH	199.38	0.37	8.72	0.26	4.4	548	-0.05	2.48
		78.49	0.15	3.43	0.10	4.4	548	-0.05	2.48
36	NECK CIRCUMFERENCE	34.02	0.08	1.80	0.05	5.3	548	0.34	2.85
		13.39	0.03	0.71	0.02	5.3	548	0.34	2.85

UNITS...UPPER LINES, CENTIMETERS OR KILOGRAMS...LOWER LINES, INCHES OR POUNDS

TABLE XLI

STATISTICAL SUMMARIES AND SELECTED PERCENTILES FOR OFFICER SERIES

PERCENTILES													VAR
1ST	5TH	10TH	15TH	25TH	35TH	50TH	65TH	75TH	85TH	90TH	95TH	99TH	NO
65.4	67.7	69.1	70.1	71.5	72.7	74.3	75.9	77.2	78.7	79.8	81.3	84.4	19
25.7	26.7	27.2	27.6	28.2	28.6	29.3	29.9	30.4	31.0	31.4	32.0	33.2	
8.4	9.1	9.5	9.7	10.2	10.5	11.1	11.7	12.2	12.7	13.1	13.6	14.3	20
3.3	3.6	3.7	3.8	4.0	4.1	4.4	4.6	4.8	5.0	5.2	5.4	5.6	
5.3	5.8	6.0	6.2	6.4	6.6	6.8	7.0	7.2	7.5	7.6	7.8	8.3	21
2.1	2.3	2.4	2.4	2.5	2.6	2.7	2.8	2.8	2.9	3.0	3.1	3.3	
77.5	79.8	81.0	81.7	82.9	83.8	85.0	86.2	87.2	88.4	89.2	90.3	92.3	22
30.5	31.4	31.9	32.2	32.6	33.0	33.5	33.9	34.3	34.8	35.1	35.6	36.4	
78.9	81.2	82.3	83.0	84.1	85.0	86.2	87.4	88.4	89.6	90.4	91.5	93.5	23
31.1	31.9	32.4	32.7	33.1	33.4	33.9	34.4	34.8	35.3	35.6	36.0	36.8	
67.7	69.5	70.5	71.2	72.3	73.2	74.3	75.6	76.5	77.6	78.4	79.6	81.7	24
26.6	27.4	27.8	28.0	28.5	28.8	29.3	29.7	30.1	30.6	30.9	31.3	32.2	
52.6	54.2	55.1	55.7	56.6	57.3	58.4	59.5	60.4	61.4	62.1	63.1	64.6	25
20.7	21.3	21.7	21.9	22.3	22.6	23.0	23.4	23.8	24.2	24.4	24.8	25.5	
19.8	20.9	21.6	22.0	22.6	23.1	23.7	24.4	24.9	25.5	25.9	26.6	27.8	26
7.8	8.2	8.5	8.7	8.9	9.1	9.3	9.6	9.8	10.0	10.2	10.5	11.0	
17.6	19.2	19.9	20.4	21.2	21.9	22.8	23.7	24.5	25.5	26.2	27.1	28.8	27
6.9	7.5	7.8	8.1	8.4	8.6	9.0	9.3	9.6	10.0	10.3	10.7	11.4	
35.6	37.8	38.7	39.2	39.9	40.3	41.0	41.6	42.1	42.8	43.3	44.2	46.0	28
14.0	14.9	15.2	15.4	15.7	15.9	16.1	16.4	16.6	16.9	17.1	17.4	18.1	
41.9	43.7	44.6	45.2	46.0	46.8	47.8	48.9	49.7	50.8	51.6	52.7	54.6	29
16.5	17.2	17.6	17.8	18.1	18.4	18.8	19.2	19.6	20.0	20.3	20.8	21.5	
51.5	53.3	54.2	54.9	55.8	56.5	57.6	58.6	59.4	60.4	61.1	62.0	63.6	30
20.3	21.0	21.3	21.6	22.0	22.3	22.7	23.1	23.4	23.8	24.0	24.4	25.1	
27.5	28.3	28.9	29.4	30.0	30.6	31.2	31.9	32.3	32.8	33.2	33.6	34.7	31
10.8	11.1	11.4	11.6	11.8	12.0	12.3	12.6	12.7	12.9	13.1	13.2	13.6	
20.0	21.1	21.6	21.9	22.4	22.8	23.3	23.9	24.3	24.8	25.2	25.7	26.8	32
7.9	8.3	8.5	8.6	8.8	9.0	9.2	9.4	9.6	9.8	9.9	10.1	10.5	
64.2	67.7	69.3	70.3	71.7	72.9	74.3	75.8	77.0	78.4	79.3	80.6	82.7	33
25.3	26.7	27.3	27.7	28.2	28.7	29.3	29.9	30.3	30.9	31.2	31.7	32.6	
73.1	76.4	78.1	79.2	80.9	82.3	84.1	86.0	87.5	89.4	90.7	92.7	96.4	34
28.8	30.1	30.8	31.2	31.9	32.4	33.1	33.9	34.5	35.2	35.7	36.5	38.0	
180.8	184.9	187.7	189.8	193.1	195.8	199.5	203.1	205.8	208.9	210.9	213.6	217.5	35
71.2	72.8	73.9	74.7	76.0	77.1	78.5	80.0	81.0	82.2	83.0	84.1	85.6	
30.2	31.3	31.8	32.2	32.7	33.2	33.8	34.6	35.2	36.0	36.5	37.3	38.5	36
11.9	12.3	12.5	12.7	12.9	13.1	13.3	13.6	13.9	14.2	14.4	14.7	15.1	

UNITS...UPPER LINES, CENTIMETERS OR KILOGRAMS...LOWER LINES, INCHES OR POUNDS

TABLE XLI

STATISTICAL SUMMARIES AND SELECTED PERCENTILES FOR OFFICER SERIES

	VARIABLE	MEAN	SE (M)	ST DEV	SE (SD)	COEF VAR	SAMPLE SIZE	SYMM ETRY	KURT OSIS
37	SHOULDER CIRCUMFERENCE	101.73	0.24	5.59	0.17	5.5	548	0.44	3.00
		40.05	0.09	2.20	0.07	5.5	548	0.44	3.00
38	CHEST CIRCUMFERENCE AT SCYE	85.91	0.23	5.45	0.16	6.3	548	0.47	2.98
		33.82	0.09	2.14	0.06	6.3	548	0.47	2.98
39	BUST CIRCUMFERENCE	91.55	0.28	6.53	0.20	7.1	548	0.59	3.14
		36.04	0.11	2.57	0.08	7.1	548	0.59	3.14
40	CHEST CIRCUMFERENCE BELOW BUST	75.55	0.24	5.61	0.17	7.4	548	0.57	3.20
		29.74	0.09	2.21	0.07	7.4	548	0.57	3.20
41	WAIST CIRCUMFERENCE	68.22	0.28	6.48	0.20	9.5	548	0.76	3.45
		26.86	0.11	2.55	0.08	9.5	548	0.76	3.45
42	ABDOMINAL EXTENSION CIRCUMFERENCE	87.95	0.34	8.07	0.24	9.2	548	0.56	3.08
		34.63	0.14	3.18	0.10	9.2	548	0.56	3.08
43	HIP CIRCUMFERENCE-SEVEN INCHES BELOW WAIST LEVEL	95.09	0.27	6.22	0.19	6.5	548	0.63	3.33
		37.44	0.10	2.45	0.07	6.5	548	0.63	3.33
44	HIP CIRCUMFERENCE-NINE INCHES BELOW WAIST LEVEL	96.85	0.27	6.33	0.19	6.5	548	0.55	3.34
		38.13	0.11	2.49	0.08	6.5	548	0.55	3.34
45	UPPER THIGH CIRCUMFERENCE	56.30	0.19	4.49	0.14	8.0	548	0.33	3.11
		22.17	0.08	1.77	0.05	8.0	548	0.33	3.11
46	KNEE CIRCUMFERENCE	36.68	0.11	2.47	0.07	6.7	548	0.56	3.35
		14.44	0.04	0.97	0.03	6.7	548	0.56	3.35
47	CALF CIRCUMFERENCE, RIGHT	34.32	0.10	2.33	0.07	6.8	548	0.40	3.18
		13.51	0.04	0.92	0.03	6.8	548	0.40	3.18
48	CALF CIRCUMFERENCE, LEFT	34.46	0.10	2.37	0.07	6.9	548	0.30	3.11
		13.57	0.04	0.93	0.03	6.9	548	0.30	3.11
49	ANKLE CIRCUMFERENCE	21.02	0.06	1.31	0.04	6.2	548	0.34	2.92
		8.28	0.02	0.52	0.02	6.2	548	0.34	2.92
50	VERTICAL TRUNK CIRCUMFERENCE	156.58	0.30	7.12	0.22	4.5	548	0.22	2.80
		61.65	0.12	2.80	0.08	4.5	548	0.22	2.80
51	VERTICAL TRUNK CIRCUMFERENCE, SITTING	151.85	0.29	6.75	0.20	4.4	548	0.11	2.81
		59.78	0.11	2.66	0.08	4.4	548	0.11	2.81
52	BUTTOCK CIRCUMFERENCE, SITTING	101.89	0.29	6.89	0.21	6.8	548	0.64	3.34
		40.12	0.12	2.71	0.08	6.8	548	0.64	3.34
53	SCYE CIRCUMFERENCE	37.77	0.10	2.43	0.07	6.4	548	0.52	3.83
		14.87	0.04	0.96	0.03	6.4	548	0.52	3.83
54	AXILLARY ARM CIRCUMFERENCE	28.11	0.11	2.53	0.08	9.0	548	0.62	3.68
		11.07	0.04	1.00	0.03	9.0	548	0.62	3.68

UNITS...UPPER LINES, CENTIMETERS OR KILOGRAMS...LOWER LINES, INCHES OR POUNDS

TABLE XLI

STATISTICAL SUMMARIES AND SELECTED PERCENTILES FOR OFFICER SERIES

PERCENTILES													VAR
1ST	5TH	10TH	15TH	25TH	35TH	50TH	65TH	75TH	85TH	90TH	95TH	99TH	NO
91.5	93.3	94.8	95.9	97.7	99.2	101.3	103.6	105.3	107.6	109.2	111.8	117.1	37
36.0	36.7	37.3	37.7	38.4	39.0	39.9	40.8	41.5	42.4	43.0	44.0	46.1	
75.5	77.9	79.3	80.3	81.9	83.3	85.4	87.6	89.4	91.7	93.3	95.8	100.5	38
29.7	30.7	31.2	31.6	32.3	32.8	33.6	34.5	35.2	36.1	36.7	37.7	39.6	
79.6	82.2	83.8	84.9	86.7	88.3	90.7	93.3	95.5	98.4	100.4	103.6	109.4	39
31.3	32.4	33.0	33.4	34.1	34.8	35.7	36.8	37.6	38.7	39.5	40.8	43.1	
65.3	67.6	68.9	69.8	71.4	72.8	74.9	77.2	79.1	81.6	83.3	85.9	90.3	40
25.7	26.6	27.1	27.5	28.1	28.7	29.5	30.4	31.1	32.1	32.8	33.8	35.6	
57.4	59.4	60.7	61.6	63.3	64.8	67.1	69.8	72.1	75.1	77.2	80.4	86.2	41
22.6	23.4	23.9	24.3	24.9	25.5	26.4	27.5	28.4	29.6	30.4	31.7	34.0	
73.2	76.2	78.1	79.6	82.0	84.0	87.0	90.3	92.9	96.4	99.0	102.9	110.8	42
28.8	30.0	30.8	31.3	32.3	33.1	34.3	35.5	36.6	38.0	39.0	40.5	43.6	
83.5	86.0	87.6	88.7	90.5	92.1	94.4	96.9	98.9	101.6	103.5	106.6	112.7	43
32.9	33.9	34.5	34.9	35.6	36.3	37.1	38.1	38.9	40.0	40.8	41.9	44.4	
85.0	87.6	89.2	90.4	92.3	93.9	96.2	98.7	100.7	103.4	105.3	108.3	114.5	44
33.5	34.5	35.1	35.6	36.3	37.0	37.9	38.9	39.6	40.7	41.4	42.6	45.1	
46.2	49.2	50.7	51.7	53.2	54.3	56.0	57.7	59.1	60.9	62.2	64.1	67.8	45
18.2	19.4	20.0	20.3	20.9	21.4	22.0	22.7	23.3	24.0	24.5	25.2	26.7	
32.0	33.0	33.6	34.1	34.9	35.6	36.5	37.4	38.2	39.2	39.9	41.1	43.4	46
12.6	13.0	13.2	13.4	13.7	14.0	14.4	14.7	15.0	15.4	15.7	16.2	17.1	
29.8	30.7	31.4	31.9	32.6	33.3	34.2	35.1	35.9	36.8	37.4	38.4	40.0	47
11.7	12.1	12.4	12.5	12.8	13.1	13.5	13.8	14.1	14.5	14.7	15.1	15.8	
29.5	30.8	31.5	32.0	32.8	33.4	34.3	35.3	36.0	37.0	37.6	38.5	40.2	48
11.6	12.1	12.4	12.6	12.9	13.2	13.5	13.9	14.2	14.6	14.8	15.2	15.8	
18.3	19.0	19.4	19.7	20.1	20.4	20.9	21.5	21.9	22.4	22.8	23.4	24.4	49
7.2	7.5	7.6	7.7	7.9	8.0	8.2	8.5	8.6	8.8	9.0	9.2	9.6	
142.2	145.3	147.4	149.0	151.4	153.4	156.2	159.1	161.3	164.2	166.1	169.0	174.6	50
56.0	57.2	58.0	58.7	59.6	60.4	61.5	62.6	63.5	64.6	65.4	66.5	68.7	
136.9	140.7	143.0	144.7	147.1	149.1	151.8	154.4	156.3	158.8	160.5	163.1	168.8	51
53.9	55.4	56.3	57.0	57.9	58.7	59.7	60.8	61.5	62.5	63.2	64.2	66.5	
89.2	92.0	93.7	94.9	96.8	98.5	101.0	103.8	106.0	109.1	111.3	114.9	122.2	52
35.1	36.2	36.9	37.4	38.1	38.8	39.8	40.9	41.7	43.0	43.8	45.2	48.1	
32.9	34.1	34.8	35.3	36.0	36.7	37.6	38.6	39.3	40.3	40.9	41.9	43.7	53
13.0	13.4	13.7	13.9	14.2	14.4	14.8	15.2	15.5	15.8	16.1	16.5	17.2	
23.4	24.3	25.0	25.5	26.3	27.0	27.9	28.9	29.6	30.6	31.3	32.5	35.1	54
9.2	9.6	9.8	10.0	10.3	10.6	11.0	11.4	11.7	12.0	12.3	12.8	13.8	

UNITS...UPPER LINES, CENTIMETERS OR KILOGRAMS...LOWER LINES, INCHES OR POUNDS

TABLE XLI -
STATISTICAL SUMMARIES AND SELECTED PERCENTILES FOR OFFICER SERIES

	VARIABLE	MEAN	SE (M)	ST DEV	SE (SD)	COEF VAR	SAMPLE SIZE	SYMM ETRY	KURT OSIS
55	BICEPS CIRCUMFERENCE, RELAXED,	26.34	0.11	2.48	0.08	9.4	548	0.61	3.34
	RIGHT	10.37	0.04	0.98	0.03	9.4	548	0.61	3.34
56	BICEPS CIRCUMFERENCE, FLEXED,	27.51	0.11	2.50	0.08	9.1	548	0.61	3.50
	RIGHT	10.83	0.04	0.98	0.03	9.1	548	0.61	3.50
57	BICEPS CIRCUMFERENCE, RELAXED,	26.44	0.11	2.69	0.08	10.2	548	0.64	3.36
	LEFT	10.41	0.05	1.06	0.03	10.2	548	0.64	3.36
58	BICEPS CIRCUMFERENCE, FLEXED,	27.33	0.11	2.61	0.08	9.5	548	0.67	3.50
	LEFT	10.76	0.04	1.03	0.03	9.5	548	0.67	3.50
59	ELBOW CIRCUMFERENCE, FLEXED	27.05	0.08	1.83	0.06	6.7	548	0.34	3.19
		10.65	0.03	0.72	0.02	6.7	548	0.34	3.19
60	FOREARM CIRCUMFERENCE, RELAXED	23.72	0.06	1.43	0.04	6.0	548	0.47	3.61
		9.34	0.02	0.56	0.02	6.0	548	0.47	3.61
61	FOREARM CIRCUMFERENCE, FLEXED	25.17	0.07	1.57	0.05	6.2	548	0.44	3.58
		9.91	0.03	0.62	0.02	6.2	548	0.44	3.58
62	WRIST CIRCUMFERENCE	14.98	0.03	0.73	0.02	4.9	548	0.27	3.09
		5.90	0.01	0.29	0.01	4.9	548	0.27	3.09
63	BIACROMIAL BREADTH	36.10	0.07	1.63	0.05	4.5	548	0.06	3.14
		14.21	0.03	0.64	0.02	4.5	548	0.06	3.14
64	BIDELTOID BREADTH	42.42	0.11	2.47	0.07	5.8	548	0.25	2.79
		16.70	0.04	0.97	0.03	5.8	548	0.25	2.79
65	CHEST BREADTH	28.53	0.09	2.11	0.06	7.4	548	0.39	3.05
		11.23	0.04	0.83	0.03	7.4	548	0.39	3.05
66	BUSTPOINT-TO-BUSTPOINT	18.79	0.07	1.59	0.05	8.4	548	0.45	3.17
	BREADTH	7.40	0.03	0.62	0.02	8.4	548	0.45	3.17
67	WAIST BREADTH	24.33	0.09	2.16	0.07	8.9	548	0.53	3.31
		9.58	0.04	0.85	0.03	8.9	548	0.53	3.31
68	HIP BREADTH	35.50	0.10	2.32	0.07	6.5	548	0.42	3.20
		13.97	0.04	0.91	0.03	6.5	548	0.42	3.20
69	THIGH-TO-THIGH BREADTH,	39.18	0.13	3.00	0.09	7.6	548	0.43	2.97
	SITTING	15.43	0.05	1.18	0.04	7.6	548	0.43	2.97
70	HUMERAL BREADTH, RIGHT	6.16	0.01	0.31	0.01	5.0	548	0.09	3.48
		2.43	0.01	0.12	0.00	5.0	548	0.09	3.48
71	HUMERAL BREADTH, LEFT	6.12	0.01	0.31	0.01	5.0	548	0.11	3.43
		2.41	0.01	0.12	0.00	5.0	548	0.11	3.43
72	FEMORAL BREADTH, RIGHT	8.20	0.02	0.45	0.01	5.5	548	0.01	3.25
		3.23	0.01	0.18	0.01	5.5	548	0.01	3.25

UNITS...UPPER LINES, CENTIMETERS OR KILOGRAMS...LOWER LINES, INCHES OR POUNDS

TABLE XLI

STATISTICAL SUMMARIES AND SELECTED PERCENTILES FOR OFFICER SERIES

PERCENTILES													VAR
1ST	5TH	10TH	15TH	25TH	35TH	50TH	65TH	75TH	85TH	90TH	95TH	99TH	NO
21.6	22.8	23.4	23.8	24.5	25.1	26.0	27.0	27.8	28.9	29.7	30.9	33.2	55
8.5	9.0	9.2	9.4	9.7	9.9	10.3	10.6	11.0	11.4	11.7	12.2	13.1	
22.9	23.9	24.5	25.0	25.7	26.3	27.2	28.2	29.0	30.0	30.8	32.0	34.4	56
9.0	9.4	9.6	9.8	10.1	10.4	10.7	11.1	11.4	11.8	12.1	12.6	13.6	
21.6	22.6	23.2	23.7	24.4	25.1	26.1	27.2	28.1	29.3	30.1	31.3	33.6	57
8.5	8.9	9.2	9.3	9.6	9.9	10.3	10.7	11.1	11.5	11.8	12.3	13.2	
22.4	23.6	24.2	24.7	25.4	26.0	27.0	28.0	28.9	30.0	30.8	32.1	34.6	58
8.8	9.3	9.5	9.7	10.0	10.3	10.6	11.0	11.4	11.8	12.1	12.7	13.6	
23.3	24.2	24.8	25.2	25.8	26.3	27.0	27.7	28.2	28.9	29.4	30.2	31.8	59
9.2	9.5	9.8	9.9	10.1	10.3	10.6	10.9	11.1	11.4	11.6	11.9	12.5	
20.9	21.5	21.9	22.2	22.7	23.1	23.6	24.2	24.6	25.1	25.5	26.1	27.5	60
8.2	8.5	8.6	8.8	8.9	9.1	9.3	9.5	9.7	9.9	10.0	10.3	10.8	
22.2	22.7	23.2	23.5	24.1	24.5	25.1	25.7	26.1	26.7	27.1	27.8	29.5	61
8.7	9.0	9.1	9.3	9.5	9.6	9.9	10.1	10.3	10.5	10.7	10.9	11.6	
13.4	13.8	14.0	14.2	14.4	14.7	14.9	15.2	15.5	15.8	16.0	16.3	16.9	62
5.3	5.4	5.5	5.6	5.7	5.8	5.9	6.0	6.1	6.2	6.3	6.4	6.7	
32.1	33.4	34.0	34.4	35.0	35.5	36.1	36.7	37.2	37.8	38.2	38.8	40.0	63
12.6	13.1	13.4	13.6	13.8	14.0	14.2	14.4	14.6	14.9	15.0	15.3	15.8	
37.2	38.6	39.3	39.9	40.6	41.3	42.3	43.3	44.1	45.1	45.8	46.8	48.6	64
14.6	15.2	15.5	15.7	16.0	16.3	16.6	17.0	17.3	17.7	18.0	18.4	19.1	
24.3	25.3	25.9	26.3	27.0	27.6	28.4	29.2	29.9	30.7	31.4	32.3	34.1	65
9.6	10.0	10.2	10.4	10.6	10.8	11.2	11.5	11.8	12.1	12.3	12.7	13.4	
15.7	16.5	16.9	17.2	17.6	18.0	18.6	19.3	19.8	20.5	20.9	21.6	22.9	66
6.2	6.5	6.6	6.8	6.9	7.1	7.3	7.6	7.8	8.1	8.2	8.5	9.0	
20.2	21.1	21.7	22.1	22.8	23.4	24.2	25.0	25.7	26.5	27.2	28.1	30.2	67
7.9	8.3	8.5	8.7	9.0	9.2	9.5	9.8	10.1	10.4	10.7	11.1	11.9	
30.9	32.0	32.6	33.1	33.8	34.4	35.3	36.2	37.0	37.9	38.6	39.6	41.5	68
12.2	12.6	12.9	13.0	13.3	13.6	13.9	14.3	14.6	14.9	15.2	15.6	16.3	
33.1	34.7	35.5	36.1	37.0	37.8	38.9	40.1	41.1	42.4	43.2	44.6	47.0	69
13.0	13.7	14.0	14.2	14.6	14.9	15.3	15.8	16.2	16.7	17.0	17.6	18.5	
5.4	5.6	5.8	5.8	6.0	6.0	6.2	6.3	6.4	6.5	6.6	6.7	6.9	70
2.1	2.2	2.3	2.3	2.3	2.4	2.4	2.5	2.5	2.6	2.6	2.6	2.7	
5.4	5.6	5.7	5.8	5.9	6.0	6.1	6.2	6.3	6.4	6.5	6.6	6.9	71
2.1	2.2	2.3	2.3	2.3	2.4	2.4	2.5	2.5	2.5	2.6	2.6	2.7	
7.0	7.5	7.6	7.7	7.9	8.0	8.2	8.4	8.5	8.7	8.8	9.0	9.2	72
2.8	2.9	3.0	3.1	3.1	3.2	3.2	3.3	3.3	3.4	3.5	3.5	3.6	

UNITS...UPPER LINES, CENTIMETERS OR KILOGRAMS...LOWER LINES, INCHES OR POUNDS

TABLE XLI

STATISTICAL SUMMARIES AND SELECTED PERCENTILES FOR OFFICER SERIES

VARIABLE	MEAN	SE (M)	ST DEV	SE (SD)	COEF VAR	SAMPLE SIZE	SYMM ETRY	KURT OSIS
73 FEMORAL BREADTH, LEFT	8.23	0.02	0.44	0.01	5.3	548	0.04	2.94
	3.24	0.01	0.17	0.01	5.3	548	0.04	2.94
74 CHEST DEPTH	24.23	0.09	2.19	0.07	9.0	548	0.53	3.20
	9.54	0.04	0.86	0.03	9.0	548	0.53	3.20
75 WAIST DEPTH	17.45	0.09	2.04	0.06	11.7	548	0.89	3.74
	6.87	0.03	0.80	0.02	11.7	548	0.89	3.74
76 ABDOMINAL EXTENSION DEPTH	21.53	0.11	2.48	0.07	11.5	548	0.76	3.55
	8.48	0.04	0.98	0.03	11.5	548	0.76	3.55
77 BUTTOCK DEPTH	21.45	0.09	2.01	0.06	9.4	548	0.67	3.58
	8.45	0.03	0.79	0.02	9.4	548	0.67	3.58
78 THIGH CLEARANCE	12.52	0.06	1.36	0.04	10.8	548	0.22	2.58
	4.93	0.02	0.53	0.02	10.8	548	0.22	2.58
79 SHOULDER LENGTH	14.74	0.04	1.02	0.03	6.9	548	0.17	3.05
	5.80	0.02	0.40	0.01	6.9	548	0.17	3.05
80 NECK-TO-BUSTPOINT LENGTH	26.09	0.09	1.99	0.06	7.6	548	0.28	2.78
	10.27	0.03	0.78	0.02	7.6	548	0.28	2.78
81 STRAP LENGTH	66.46	0.18	4.15	0.13	6.2	548	0.27	2.86
	26.16	0.07	1.64	0.05	6.2	548	0.27	2.86
82 INTERSCYE CURVATURE	35.62	0.11	2.57	0.08	7.2	548	0.18	2.83
	14.02	0.04	1.01	0.03	7.2	548	0.18	2.83
83 INTERSCYE CURVATURE, MAXIMUM	50.16	0.13	3.16	0.10	6.3	548	-0.14	3.34
	19.75	0.05	1.24	0.04	6.3	548	-0.14	3.34
84 BACK CURVATURE	42.68	0.14	3.37	0.10	7.9	548	0.30	2.85
	16.80	0.06	1.33	0.04	7.9	548	0.30	2.85
85 WAIST BACK	40.49	0.10	2.31	0.07	5.7	548	0.09	3.06
	15.94	0.04	0.91	0.03	5.7	548	0.09	3.06
86 ANTERIOR WAIST LENGTH	33.65	0.09	2.03	0.06	6.0	548	0.26	3.28
	13.25	0.03	0.80	0.02	6.0	548	0.26	3.28
87 SLEEVE INSEAM	43.87	0.10	2.44	0.07	5.6	548	-0.04	2.88
	17.27	0.04	0.96	0.03	5.6	548	-0.04	2.88
88 SPINE-TO-SCYE LENGTH (SLEEVE LENGTH SEGMENT)	20.73	0.06	1.31	0.04	6.3	548	0.19	3.06
	8.16	0.02	0.52	0.02	6.3	548	0.19	3.06
89 SPINE-TO-ELBOW LENGTH (SLEEVE LENGTH SEGMENT)	53.86	0.10	2.38	0.07	4.4	548	-0.00	2.86
	21.21	0.04	0.94	0.03	4.4	548	-0.00	2.86
90 SPINE-TO-WRIST LENGTH (SLEEVE LENGTH)	80.03	0.14	3.36	0.10	4.2	548	-0.06	2.94
	31.51	0.06	1.32	0.04	4.2	548	-0.06	2.94

UNITS...UPPER LINES, CENTIMETERS OR KILOGRAMS...LOWER LINES, INCHES OR POUNDS

TABLE XLI

STATISTICAL SUMMARIES AND SELECTED PERCENTILES FOR OFFICER SERIES

PERCENTILES												VAR
1ST	5TH	10TH	15TH	25TH	35TH	50TH	65TH	75TH	85TH	90TH	95TH	99TH	NO
7.2	7.5	7.7	7.8	7.9	8.0	8.2	8.4	8.5	8.7	8.8	9.0	9.2	73
2.8	3.0	3.0	3.1	3.1	3.2	3.2	3.3	3.4	3.4	3.5	3.5	3.6	
20.1	21.1	21.6	22.0	22.7	23.2	24.0	24.9	25.6	26.5	27.2	28.2	30.1	74
7.9	8.3	8.5	8.7	8.9	9.1	9.4	9.8	10.1	10.4	10.7	11.1	11.8	
14.0	14.8	15.2	15.5	16.0	16.4	17.1	17.9	18.6	19.6	20.3	21.4	23.6	75
5.5	5.8	6.0	6.1	6.3	6.5	6.7	7.0	7.3	7.7	8.0	8.4	9.3	
16.9	18.2	18.7	19.1	19.7	20.3	21.1	22.1	23.0	24.1	25.0	26.3	28.8	76
6.7	7.2	7.4	7.5	7.8	8.0	8.3	8.7	9.0	9.5	9.8	10.4	11.3	
17.7	18.7	19.1	19.5	20.0	20.5	21.2	22.0	22.7	23.6	24.2	25.2	26.9	77
7.0	7.3	7.5	7.7	7.9	8.1	8.3	8.7	8.9	9.3	9.5	9.9	10.6	
9.8	10.4	10.8	11.1	11.5	11.9	12.5	13.0	13.5	14.0	14.4	14.9	15.7	78
3.8	4.1	4.2	4.4	4.5	4.7	4.9	5.1	5.3	5.5	5.7	5.9	6.2	
12.3	13.1	13.4	13.7	14.0	14.3	14.7	15.1	15.4	15.8	16.1	16.5	17.3	79
4.9	5.1	5.3	5.4	5.5	5.6	5.8	5.9	6.1	6.2	6.3	6.5	6.8	
21.9	23.0	23.6	24.0	24.6	25.2	25.9	26.8	27.4	28.2	28.8	29.6	30.9	80
8.6	9.0	9.3	9.4	9.7	9.9	10.2	10.5	10.8	11.1	11.3	11.7	12.2	
58.6	60.1	61.2	62.0	63.4	64.6	66.2	67.9	69.2	70.8	72.0	73.6	76.8	81
23.1	23.7	24.1	24.4	25.0	25.4	26.1	26.7	27.2	27.9	28.3	29.0	30.2	
30.4	31.4	32.2	32.8	33.8	34.5	35.6	36.6	37.3	38.3	38.9	39.9	41.8	82
12.0	12.4	12.7	12.9	13.3	13.6	14.0	14.4	14.7	15.1	15.3	15.7	16.5	
42.5	44.9	46.1	46.9	48.1	49.0	50.2	51.4	52.3	53.4	54.2	55.2	56.8	83
16.7	17.7	18.2	18.5	18.9	19.3	19.8	20.2	20.6	21.0	21.3	21.7	22.4	
35.6	37.5	38.5	39.2	40.3	41.2	42.4	43.8	44.9	46.2	47.2	48.6	51.3	84
14.0	14.7	15.1	15.4	15.8	16.2	16.7	17.2	17.7	18.2	18.6	19.1	20.2	
34.9	36.8	37.6	38.1	38.9	39.5	40.4	41.3	42.0	42.9	43.5	44.5	46.1	85
13.8	14.5	14.8	15.0	15.3	15.6	15.9	16.3	16.5	16.9	17.1	17.5	18.1	
29.4	30.4	31.1	31.5	32.2	32.8	33.6	34.3	34.9	35.7	36.2	37.1	39.0	86
11.6	12.0	12.2	12.4	12.7	12.9	13.2	13.5	13.7	14.0	14.3	14.6	15.3	
38.1	39.8	40.7	41.3	42.2	42.9	43.9	44.8	45.5	46.4	47.0	47.9	49.6	87
15.0	15.7	16.0	16.3	16.6	16.9	17.3	17.6	17.9	18.3	18.5	18.8	19.5	
17.9	18.7	19.1	19.4	19.8	20.2	20.7	21.2	21.6	22.1	22.5	23.0	24.0	88
7.1	7.4	7.5	7.6	7.8	7.9	8.1	8.3	8.5	8.7	8.9	9.1	9.4	
48.7	49.9	50.7	51.3	52.2	52.9	53.9	54.8	55.5	56.3	56.8	57.7	59.4	89
19.2	19.6	20.0	20.2	20.5	20.8	21.2	21.6	21.8	22.2	22.4	22.7	23.4	
72.8	74.2	75.4	76.4	77.7	78.8	80.2	81.4	82.3	83.4	84.1	85.2	88.2	90
28.6	29.2	29.7	30.1	30.6	31.0	31.6	32.1	32.4	32.8	33.1	33.6	34.7	

UNITS...UPPER LINES, CENTIMETERS OR KILOGRAMS...LOWER LINES, INCHES OR POUNDS

TABLE XLI

STATISTICAL SUMMARIES AND SELECTED PERCENTILES FOR OFFICER SERIES

	VARIABLE	MEAN	SE (M)	ST DEV	SE (SD)	COEF VAR	SAMPLE SIZE	SYMM ETRY	KURT OSIS
91	HAND LENGTH	18.43	0.04	0.97	0.03	5.2	548	0.26	2.99
		7.26	0.02	0.38	0.01	5.2	548	0.26	2.99
92	HAND BREADTH	7.59	0.02	0.40	0.01	5.2	548	-0.07	2.99
		2.99	0.01	0.16	0.00	5.2	548	-0.07	2.99
93	HAND CIRCUMFERENCE	18.32	0.04	0.93	0.03	5.1	548	0.17	2.93
		7.21	0.02	0.36	0.01	5.1	548	0.17	2.93
94	FOOT LENGTH	24.14	0.05	1.16	0.03	4.8	548	-0.00	2.68
		9.50	0.02	0.46	0.01	4.8	548	-0.00	2.68
95	FOOT BREADTH	8.83	0.02	0.49	0.01	5.6	548	0.31	3.84
		3.47	0.01	0.19	0.01	5.6	548	0.31	3.84
96	HEAD LENGTH	18.58	0.03	0.65	0.02	3.5	548	0.06	2.78
		7.31	0.01	0.26	0.01	3.5	548	0.06	2.78
97	HEAD BREADTH	14.68	0.03	0.59	0.02	4.0	548	0.12	3.28
		5.78	0.01	0.23	0.01	4.0	548	0.12	3.28
98	HEAD CIRCUMFERENCE	55.20	0.07	1.63	0.05	3.0	548	0.34	3.51
		21.73	0.03	0.64	0.02	3.0	548	0.34	3.51
99	TRAGION TO TOP OF HEAD	12.84	0.03	0.77	0.02	6.0	548	0.27	3.06
		5.06	0.01	0.30	0.01	6.0	548	0.27	3.06
100	ECTOCANTHUS TO TOP OF HEAD	11.88	0.04	0.93	0.03	7.8	548	0.39	3.33
		4.68	0.02	0.37	0.01	7.8	548	0.39	3.33
101	PRONASALE TO TOP OF HEAD	15.00	0.05	1.21	0.04	8.0	548	0.34	3.19
		5.91	0.02	0.47	0.01	8.0	548	0.34	3.19
102	SUBNASALE TO TOP OF HEAD	16.10	0.05	1.12	0.03	6.9	548	0.25	3.24
		6.34	0.02	0.44	0.01	6.9	548	0.25	3.24
103	STOMION TO TOP OF HEAD	17.98	0.05	1.13	0.03	6.3	548	0.17	3.24
		7.08	0.02	0.45	0.01	6.3	548	0.17	3.24
104	MENTON TO TOP OF HEAD	22.08	0.05	1.17	0.04	5.3	548	0.09	3.40
		8.69	0.02	0.46	0.01	5.3	548	0.09	3.40
105	TRAGION TO WALL	10.22	0.04	0.90	0.03	8.8	548	0.64	4.15
		4.03	0.02	0.35	0.01	8.8	548	0.64	4.15
106	ECTOCANTHUS TO WALL	16.50	0.04	0.93	0.03	5.6	548	0.44	3.90
		6.50	0.02	0.36	0.01	5.6	548	0.44	3.90
107	PRONASALE TO WALL	21.34	0.04	0.96	0.03	4.5	548	0.40	3.44
		8.40	0.02	0.38	0.01	4.5	548	0.40	3.44
108	SUBNASALE TO WALL	19.74	0.04	0.96	0.03	4.9	548	0.42	3.39
		7.77	0.02	0.38	0.01	4.9	548	0.42	3.39

UNITS...UPPER LINES, CENTIMETERS OR KILOGRAMS...LOWER LINES, INCHES OR POUNDS

TABLE XLI

STATISTICAL SUMMARIES AND SELECTED PERCENTILES FOR OFFICER SERIES

PERCENTILES													VAR
1ST	5TH	10TH	15TH	25TH	35TH	50TH	65TH	75TH	85TH	90TH	95TH	99TH	NO
16.4	17.0	17.2	17.4	17.7	18.0	18.4	18.8	19.1	19.5	19.7	20.1	20.6	91
6.5	6.7	6.8	6.9	7.0	7.1	7.2	7.4	7.5	7.7	7.8	7.9	8.1	
6.6	6.9	7.1	7.2	7.3	7.4	7.6	7.8	7.9	8.0	8.1	8.3	8.5	92
2.6	2.7	2.8	2.8	2.9	2.9	3.0	3.1	3.1	3.2	3.2	3.2	3.4	
16.3	16.7	17.1	17.3	17.7	17.9	18.3	18.7	18.9	19.2	19.5	19.9	20.8	93
6.4	6.6	6.7	6.8	6.9	7.1	7.2	7.3	7.4	7.6	7.7	7.8	8.2	
21.5	22.2	22.6	22.9	23.3	23.7	24.1	24.6	25.0	25.4	25.7	26.1	26.8	94
8.5	8.7	8.9	9.0	9.2	9.3	9.5	9.7	9.8	10.0	10.1	10.3	10.5	
7.6	8.0	8.2	8.3	8.5	8.6	8.8	9.0	9.2	9.4	9.5	9.7	10.1	95
3.0	3.1	3.2	3.3	3.3	3.4	3.5	3.5	3.6	3.7	3.7	3.8	4.0	
17.1	17.5	17.7	17.9	18.1	18.3	18.6	18.8	19.0	19.3	19.4	19.7	20.1	96
6.7	6.9	7.0	7.0	7.1	7.2	7.3	7.4	7.5	7.6	7.6	7.7	7.9	
13.2	13.7	14.0	14.1	14.3	14.4	14.7	14.9	15.1	15.3	15.4	15.7	16.0	97
5.2	5.4	5.5	5.5	5.6	5.7	5.8	5.9	5.9	6.0	6.1	6.2	6.3	
51.8	52.6	53.1	53.5	54.1	54.5	55.1	55.7	56.2	56.8	57.2	57.9	59.6	98
20.4	20.7	20.9	21.1	21.3	21.5	21.7	21.9	22.1	22.4	22.5	22.8	23.4	
11.2	11.6	11.9	12.0	12.3	12.5	12.8	13.1	13.4	13.7	13.9	14.2	14.7	99
4.4	4.6	4.7	4.7	4.8	4.9	5.0	5.2	5.3	5.4	5.5	5.6	5.8	
10.0	10.4	10.7	10.9	11.2	11.5	11.8	12.2	12.5	12.8	13.1	13.5	14.3	100
3.9	4.1	4.2	4.3	4.4	4.5	4.7	4.8	4.9	5.1	5.2	5.3	5.6	
12.5	13.1	13.5	13.7	14.2	14.5	14.9	15.4	15.8	16.2	16.6	17.1	18.3	101
4.9	5.2	5.3	5.4	5.6	5.7	5.9	6.1	6.2	6.4	6.5	6.7	7.2	
13.7	14.3	14.7	14.9	15.3	15.6	16.1	16.5	16.8	17.3	17.6	18.0	18.8	102
5.4	5.6	5.8	5.9	6.0	6.2	6.3	6.5	6.6	6.8	6.9	7.1	7.4	
15.6	16.1	16.5	16.8	17.2	17.5	18.0	18.4	18.7	19.1	19.4	19.8	20.7	103
6.1	6.4	6.5	6.6	6.8	6.9	7.1	7.2	7.4	7.5	7.6	7.8	8.2	
19.3	20.1	20.6	20.9	21.3	21.6	22.1	22.5	22.9	23.3	23.5	23.9	24.7	104
7.6	7.9	8.1	8.2	8.4	8.5	8.7	8.9	9.0	9.2	9.3	9.4	9.7	
8.4	9.0	9.2	9.4	9.6	9.8	10.1	10.5	10.7	11.1	11.4	11.8	12.7	105
3.3	3.5	3.6	3.7	3.8	3.9	4.0	4.1	4.2	4.4	4.5	4.7	5.0	
14.5	15.1	15.4	15.6	15.9	16.1	16.4	16.8	17.0	17.4	17.7	18.1	19.0	106
5.7	5.9	6.1	6.1	6.3	6.3	6.5	6.6	6.7	6.9	7.0	7.1	7.5	
19.3	19.8	20.1	20.4	20.7	21.0	21.3	21.7	21.9	22.3	22.5	23.0	24.0	107
7.6	7.8	7.9	8.0	8.1	8.3	8.4	8.5	8.6	8.8	8.9	9.0	9.4	
17.8	18.2	18.5	18.8	19.1	19.3	19.7	20.0	20.3	20.7	21.0	21.4	22.3	108
7.0	7.2	7.3	7.4	7.5	7.6	7.7	7.9	8.0	8.2	8.3	8.4	8.8	

UNITS...UPPER LINES, CENTIMETERS OR KILOGRAMS...LOWER LINES, INCHES OR POUNDS

TABLE XLI

STATISTICAL SUMMARIES AND SELECTED PERCENTILES FOR OFFICER SERIES

	VARIABLE	MEAN	SE (M)	ST DEV	SE (SD)	COEF VAR	SAMPLE SIZE	SYMM ETRY	KURT OSIS
109	LIP PROTRUSION TO WALL	19.35	0.04	1.04	0.03	5.4	548	0.47	3.66
		7.62	0.02	0.41	0.01	5.4	548	0.47	3.66
110	MENTON TO WALL	18.36	0.05	1.16	0.04	6.3	548	0.35	3.19
		7.23	0.02	0.46	0.01	6.3	548	0.35	3.19
111	SAGITTAL CURVATURE	35.16	0.07	1.59	0.05	4.5	548	0.42	3.57
		13.84	0.03	0.63	0.02	4.5	548	0.42	3.57
112	BITRAGION-CORONAL CURVATURE	34.14	0.06	1.44	0.04	4.2	548	0.18	3.08
		13.44	0.02	0.57	0.02	4.2	548	0.18	3.08
113	BIOCULAR BREADTH	9.73	0.02	0.49	0.01	5.0	548	-0.03	2.96
		3.83	0.01	0.19	0.01	5.0	548	-0.03	2.96
114	BIAURICULAR BREADTH	16.01	0.04	0.91	0.03	5.7	548	0.16	3.17
		6.30	0.02	0.36	0.01	5.7	548	0.16	3.17
115	BITRAGION BREADTH	13.06	0.02	0.51	0.02	3.9	548	0.28	3.35
		5.14	0.01	0.20	0.01	3.9	548	0.28	3.35
116	BIZYGOMATIC BREADTH	12.97	0.03	0.59	0.02	4.6	548	0.00	3.03
		5.11	0.01	0.23	0.01	4.6	548	0.00	3.03
117	BIGONIAL BREADTH	10.29	0.02	0.59	0.02	5.7	548	-0.03	3.27
		4.05	0.01	0.23	0.01	5.7	548	-0.03	3.27
118	NASAL BREADTH	3.20	0.01	0.31	0.01	9.5	548	0.53	3.81
		1.26	0.01	0.12	0.00	9.5	548	0.53	3.81
119	LIP LENGTH	4.41	0.02	0.41	0.01	9.2	548	0.18	2.91
		1.74	0.01	0.16	0.00	9.2	548	0.18	2.91
120	MENTON-SUBNASALE LENGTH	5.67	0.02	0.53	0.02	9.5	548	-0.03	2.91
		2.19	0.01	0.21	0.01	9.5	548	-0.03	2.91
121	MENTON-SELLION LENGTH	10.79	0.03	0.62	0.02	5.8	548	-0.03	3.13
		4.25	0.01	0.24	0.01	5.8	548	-0.03	3.13
122	SUBNASALE-SELLION LENGTH	4.69	0.02	0.41	0.01	8.8	548	-0.06	3.05
		1.85	0.01	0.16	0.00	8.8	548	-0.06	3.05
123	EAR LENGTH	5.34	0.02	0.45	0.01	8.5	548	-0.04	3.41
		2.10	0.01	0.18	0.01	8.5	548	-0.04	3.41
124	EAR BREADTH	3.02	0.01	0.32	0.01	10.7	548	-0.16	3.25
		1.19	0.01	0.13	0.00	10.7	548	-0.16	3.25
125	GRIP STRENGTH	30.86	0.25	5.79	0.18	18.8	548	0.01	3.57
		68.04	0.55	12.78	0.39	18.8	548	0.01	3.57
126	WAIST HEIGHT, OVER FOUNDATION GARMENT	101.01	0.23	4.47	0.16	4.4	390	-0.02	2.84
		39.77	0.09	1.76	0.06	4.4	390	-0.02	2.84

UNITS...UPPER LINES, CENTIMETERS OR KILOGRAMS...LOWER LINES, INCHES OR POUNDS

TABLE XLI

STATISTICAL SUMMARIES AND SELECTED PERCENTILES FOR OFFICER SERIES

PERCENTILES													VAR
1ST	5TH	10TH	15TH	25TH	35TH	50TH	65TH	75TH	85TH	90TH	95TH	99TH	NO
17.3	17.7	18.0	18.3	18.6	18.9	19.3	19.7	20.0	20.4	20.6	21.1	22.3	109
6.8	7.0	7.1	7.2	7.3	7.5	7.6	7.8	7.9	8.0	8.1	8.3	8.8	
16.0	16.5	16.9	17.2	17.5	17.9	18.3	18.7	19.1	19.5	19.8	20.3	21.3	110
6.3	6.5	6.7	6.8	6.9	7.0	7.2	7.4	7.5	7.7	7.8	8.0	8.4	
31.7	32.7	33.2	33.6	34.1	34.5	35.0	35.7	36.1	36.8	37.2	37.9	39.3	111
12.5	12.9	13.1	13.2	13.4	13.6	13.8	14.0	14.2	14.5	14.7	14.9	15.5	
30.9	31.9	32.3	32.7	33.1	33.5	34.1	34.7	35.1	35.7	36.1	36.6	37.7	112
12.2	12.5	12.7	12.9	13.1	13.2	13.4	13.6	13.8	14.0	14.2	14.4	14.8	
8.6	8.9	9.1	9.2	9.4	9.5	9.7	9.9	10.1	10.2	10.4	10.5	10.9	113
3.4	3.5	3.6	3.6	3.7	3.8	3.8	3.9	4.0	4.0	4.1	4.1	4.3	
14.0	14.5	14.8	15.0	15.4	15.6	16.0	16.4	16.6	17.0	17.2	17.5	18.0	114
5.5	5.7	5.8	5.9	6.1	6.2	6.3	6.4	6.6	6.7	6.8	6.9	7.1	
11.9	12.2	12.4	12.5	12.7	12.8	13.0	13.2	13.4	13.6	13.7	13.9	14.3	115
4.7	4.8	4.9	4.9	5.0	5.1	5.1	5.2	5.3	5.4	5.4	5.5	5.6	
11.6	12.0	12.2	12.4	12.6	12.7	13.0	13.2	13.4	13.6	13.8	14.0	14.3	116
4.6	4.7	4.8	4.9	5.0	5.0	5.1	5.2	5.3	5.4	5.4	5.5	5.6	
8.9	9.3	9.6	9.7	9.9	10.1	10.3	10.5	10.7	10.9	11.1	11.3	11.6	117
3.5	3.7	3.8	3.8	3.9	4.0	4.0	4.1	4.2	4.3	4.4	4.4	4.6	
2.5	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.5	3.6	3.8	4.1	118
1.0	1.1	1.1	1.1	1.2	1.2	1.2	1.3	1.3	1.4	1.4	1.5	1.6	
3.5	3.8	3.9	4.0	4.1	4.2	4.4	4.6	4.7	4.8	4.9	5.1	5.4	119
1.4	1.5	1.5	1.6	1.6	1.7	1.7	1.8	1.8	1.9	1.9	2.0	2.1	
4.3	4.7	4.9	5.0	5.2	5.4	5.6	5.8	5.9	6.1	6.3	6.5	6.8	120
1.7	1.9	1.9	2.0	2.1	2.1	2.2	2.3	2.3	2.4	2.5	2.5	2.7	
9.3	9.8	10.0	10.1	10.4	10.6	10.8	11.0	11.2	11.4	11.6	11.8	12.2	121
3.7	3.8	3.9	4.0	4.1	4.2	4.2	4.3	4.4	4.5	4.6	4.6	4.8	
3.7	4.0	4.2	4.3	4.4	4.5	4.7	4.8	5.0	5.1	5.2	5.4	5.6	122
1.4	1.6	1.6	1.7	1.7	1.8	1.8	1.9	2.0	2.0	2.1	2.1	2.2	
4.2	4.6	4.8	4.9	5.0	5.2	5.3	5.5	5.6	5.8	5.9	6.1	6.4	123
1.7	1.8	1.9	1.9	2.0	2.0	2.1	2.2	2.2	2.3	2.3	2.4	2.5	
2.2	2.5	2.6	2.7	2.8	2.9	3.0	3.2	3.2	3.4	3.4	3.5	3.7	124
0.9	1.0	1.0	1.1	1.1	1.1	1.2	1.2	1.3	1.3	1.4	1.4	1.5	
17.4	21.7	23.8	25.2	27.2	28.7	30.8	32.9	34.5	36.6	38.1	40.5	45.4	125
38.4	47.8	52.5	55.5	59.9	63.3	67.9	72.5	76.1	80.7	84.1	89.3	100.1	
90.2	93.6	95.3	96.4	98.0	99.3	101.0	102.7	104.1	105.7	106.8	108.5	111.2	126
35.5	36.9	37.5	38.0	38.6	39.1	39.8	40.4	41.0	41.6	42.1	42.7	43.8	

UNITS...UPPER LINES, CENTIMETERS OR KILOGRAMS...LOWER LINES, INCHES OR POUNDS

TABLE XLI
STATISTICAL SUMMARIES AND SELECTED PERCENTILES FOR OFFICER SERIES

	VARIABLE	MEAN	SE (M)	ST DEV	SE (SD)	COEF VAR	SAMPLE SIZE	SYMM ETRY	KURT OSIS
127	ABDOMINAL EXTENSION HEIGHT,	92.72	0.23	4.46	0.16	4.8	390	-0.02	2.99
	OVER FOUNDATION GARMENT	36.51	0.09	1.76	0.06	4.8	390	-0.02	2.99
128	WAIST CIRCUMFERENCE, OVER	68.16	0.32	6.34	0.23	9.3	390	0.55	2.84
	FOUNDATION GARMENT	26.83	0.13	2.50	0.09	9.3	390	0.55	2.84
129	ABDOMINAL EXTENSION CIRCUMFER-	90.57	0.42	8.32	0.30	9.2	390	0.58	3.26
	ENCE OVER FOUNDATION GARMENT	35.66	0.17	3.28	0.12	9.2	390	0.58	3.26
130	HIP CIRCUMFERENCE-SEVEN INCHES	95.79	0.33	6.49	0.23	6.8	390	0.63	3.53
	BELOW WAIST, OVER FOUNDATION	37.71	0.13	2.56	0.09	6.8	390	0.63	3.53
131	HIP CIRCUMFERENCE-NINE INCHES	97.25	0.32	6.42	0.23	6.6	390	0.49	3.44
	BELOW WAIST, OVER FOUNDATION	38.29	0.13	2.53	0.09	6.6	390	0.49	3.44
132	WAIST BREADTH, OVER	22.05	0.11	2.22	0.08	10.1	390	0.54	3.26
	FOUNDATION GARMENT	8.68	0.04	0.87	0.03	10.1	390	0.54	3.26
133	HIP BREADTH, OVER	34.47	0.12	2.30	0.08	6.7	390	0.44	3.48
	FOUNDATION GARMENT	13.57	0.05	0.91	0.03	6.7	390	0.44	3.48
134	WAIST DEPTH, OVER	16.46	0.12	2.27	0.08	13.8	390	0.81	3.41
	FOUNDATION GARMENT	6.48	0.05	0.89	0.03	13.8	390	0.81	3.41
135	ABDOMINAL EXTENSION DEPTH,	20.95	0.15	2.91	0.10	13.9	390	0.61	3.05
	OVER FOUNDATION GARMENT	8.25	0.06	1.15	0.04	13.9	390	0.61	3.05
136	BUTTOCK DEPTH, OVER	22.46	0.12	2.33	0.08	10.4	390	0.67	3.23
	FOUNDATION GARMENT	8.84	0.05	0.92	0.03	10.4	390	0.67	3.23
137	BUTTOCK CIRCUMFERENCE, SIT-	102.29	0.35	7.01	0.25	6.9	390	0.56	3.44
	TING, OVER FOUNDATION GARMENT	40.27	0.14	2.76	0.10	6.9	390	0.56	3.44
138	THIGH-TO-THIGH BREADTH, SIT-	38.36	0.15	2.89	0.10	7.5	390	0.35	3.12
	TING, OVER FOUNDATION GARMENT	15.10	0.06	1.14	0.04	7.5	390	0.35	3.12
139	STATURE AS REPORTED	165.22	0.27	6.42	0.19	3.9	547	-0.03	2.54
	BY SUBJECTS	65.05	0.11	2.53	0.08	3.9	547	-0.03	2.54
140	WEIGHT AS REPORTED	59.22	0.33	7.81	0.24	13.2	548	0.59	3.34
	BY SUBJECTS	130.57	0.74	17.22	0.52	13.2	548	0.59	3.34

UNITS...UPPER LINES, CENTIMETERS OR KILOGRAMS...LOWER LINES, INCHES OR POUNDS

TABLE XLI

STATISTICAL SUMMARIES AND SELECTED PERCENTILES FOR OFFICER SERIES

PERCENTILES													VAR
1ST	5TH	10TH	15TH	25TH	35TH	50TH	65TH	75TH	85TH	90TH	95TH	99TH	NO
82.3	85.3	86.9	88.1	89.7	91.0	92.7	94.4	95.7	97.3	98.4	100.1	103.4	127
32.4	33.6	34.2	34.7	35.3	35.8	36.5	37.2	37.7	38.3	38.8	39.4	40.7	
57.3	59.3	60.6	61.6	63.3	64.9	67.4	70.1	72.3	75.1	77.1	79.9	84.5	128
22.6	23.3	23.8	24.2	24.9	25.6	26.5	27.6	28.5	29.6	30.4	31.5	33.3	
75.9	78.6	80.6	82.1	84.5	86.6	89.7	92.9	95.6	99.1	101.7	105.7	114.5	129
29.9	30.9	31.7	32.3	33.3	34.1	35.3	36.6	37.6	39.0	40.0	41.6	45.1	
83.5	86.2	87.9	89.2	91.2	92.9	95.2	97.6	99.6	102.2	104.2	107.5	115.1	130
32.9	33.9	34.6	35.1	35.9	36.6	37.5	38.4	39.2	40.3	41.0	42.3	45.3	
84.7	87.6	89.4	90.7	92.8	94.5	96.8	99.2	101.1	103.7	105.6	108.7	116.0	131
33.4	34.5	35.2	35.7	36.5	37.2	38.1	39.1	39.8	40.8	41.6	42.8	45.7	
18.0	18.8	19.3	19.7	20.4	21.0	21.9	22.8	23.5	24.4	25.0	25.9	27.7	132
7.1	7.4	7.6	7.8	8.0	8.3	8.6	9.0	9.2	9.6	9.8	10.2	10.9	
29.7	30.8	31.6	32.1	32.9	33.5	34.4	35.2	35.8	36.7	37.3	38.4	41.2	133
11.7	12.1	12.4	12.7	13.0	13.2	13.5	13.9	14.1	14.5	14.7	15.1	16.2	
12.7	13.5	13.9	14.2	14.7	15.2	16.1	17.0	17.9	19.0	19.7	20.9	22.9	134
5.0	5.3	5.5	5.6	5.8	6.0	6.3	6.7	7.0	7.5	7.8	8.2	9.0	
15.9	16.9	17.5	18.0	18.8	19.5	20.6	21.8	22.8	24.1	25.0	26.4	28.8	135
6.3	6.6	6.9	7.1	7.4	7.7	8.1	8.6	9.0	9.5	9.8	10.4	11.3	
18.3	19.2	19.7	20.1	20.7	21.3	22.1	23.1	23.9	24.9	25.7	26.8	29.0	136
7.2	7.6	7.8	7.9	8.2	8.4	8.7	9.1	9.4	9.8	10.1	10.6	11.4	
88.8	91.8	93.8	95.2	97.3	99.2	101.7	104.4	106.5	109.4	111.5	114.9	122.4	137
34.9	36.2	36.9	37.5	38.3	39.0	40.0	41.1	41.9	43.1	43.9	45.2	48.2	
32.1	33.9	34.8	35.4	36.4	37.1	38.2	39.3	40.2	41.3	42.2	43.4	46.0	138
12.6	13.3	13.7	14.0	14.3	14.6	15.0	15.5	15.8	16.3	16.6	17.1	18.1	
151.4	154.1	156.5	158.2	160.9	163.0	165.8	168.4	170.3	172.4	173.8	175.9	180.3	139
59.6	60.7	61.6	62.3	63.3	64.2	65.3	66.3	67.0	67.9	68.4	69.2	71.0	
44.6	47.6	49.6	51.1	53.5	55.5	58.3	61.4	63.9	67.1	69.4	73.1	80.9	140
98.4	105.0	109.4	112.7	117.9	122.3	128.6	135.4	140.8	147.9	153.1	161.2	178.3	

UNITS...UPPER LINES, CENTIMETERS OR KILOGRAMS...LOWER LINES, INCHES OR POUNDS

TABLE XLII

STATISTICAL SUMMARIES AND SELECTED PERCENTILES FOR ENLISTED SERIES

	VARIABLE	MEAN	SE (M)	ST DEV	SE (SD)	COEF VAR	SAMPLE SIZE	SYMM ETRY	KURT OSIS
1	AGE	20.87	0.10	3.62	0.07	17.4	1357	4.13	24.03
2	WEIGHT	56.96	0.19	7.00	0.13	12.3	1357	0.59	4.18
		125.57	0.42	15.44	0.30	12.3	1357	0.59	4.18
3	TRICEPS SKINFOLD	1.87	0.01	0.52	0.01	27.9	1357	0.35	3.25
		0.74	0.01	0.21	0.00	27.9	1357	0.35	3.25
4	SUBSCAPULAR SKINFOLD	1.25	0.01	0.44	0.01	35.6	1357	1.31	5.41
		0.49	0.00	0.18	0.00	35.6	1357	1.31	5.41
5	SUPRAILIAC SKINFOLD	1.97	0.02	0.67	0.01	33.9	1357	0.42	3.14
		0.78	0.01	0.26	0.01	33.9	1357	0.42	3.14
6	MEDIAL CALF SKINFOLD	1.60	0.01	0.50	0.01	31.2	1357	0.13	3.51
		0.63	0.01	0.20	0.00	31.2	1357	0.13	3.51
7	STATURE	161.84	0.16	5.90	0.11	3.6	1357	0.22	2.80
		63.71	0.06	2.32	0.04	3.6	1357	0.22	2.80
8	STATURE, MAXIMUM	162.48	0.16	5.91	0.11	3.6	1357	0.22	2.82
		63.97	0.06	2.33	0.04	3.6	1357	0.22	2.82
9	CERVICALE HEIGHT	139.01	0.15	5.43	0.10	3.9	1357	0.22	2.78
		54.73	0.06	2.14	0.04	3.9	1357	0.22	2.78
10	ACROMIAL HEIGHT	131.66	0.15	5.41	0.10	4.1	1357	0.22	2.85
		51.83	0.06	2.13	0.04	4.1	1357	0.22	2.85
11	SUPRASTERNALE HEIGHT	131.82	0.14	5.23	0.10	4.0	1357	0.22	2.83
		51.90	0.06	2.06	0.04	4.0	1357	0.22	2.83
12	BUSTPOINT HEIGHT	118.28	0.14	5.18	0.10	4.4	1357	0.27	2.99
		46.57	0.06	2.04	0.04	4.4	1357	0.27	2.99
13	WAIST HEIGHT	100.12	0.12	4.47	0.09	4.5	1357	0.19	2.88
		39.42	0.05	1.76	0.03	4.5	1357	0.19	2.88
14	ABDOMINAL EXTENSION HEIGHT	93.15	0.12	4.36	0.08	4.7	1357	0.18	2.88
		36.67	0.05	1.72	0.03	4.7	1357	0.18	2.88
15	TROCHANTERIC HEIGHT	82.64	0.11	4.21	0.08	5.1	1357	0.13	2.91
		32.53	0.05	1.66	0.03	5.1	1357	0.13	2.91
16	BUTTOCK HEIGHT	82.27	0.11	4.12	0.08	5.0	1357	0.15	2.98
		32.39	0.04	1.62	0.03	5.0	1357	0.15	2.98
17	GLUTEAL FURROW HEIGHT	72.77	0.11	3.93	0.08	5.4	1357	0.18	2.92
		28.65	0.04	1.55	0.03	5.4	1357	0.18	2.92
18	TIBIALE HEIGHT	41.95	0.06	2.32	0.04	5.5	1357	0.24	3.04
		16.51	0.02	0.91	0.02	5.5	1357	0.24	3.04

UNITS...UPPER LINES, CENTIMETERS OR KILOGRAMS...LOWER LINES, INCHES OR POUNDS

TABLE XLII
STATISTICAL SUMMARIES AND SELECTED PERCENTILES FOR ENLISTED SERIES

PERCENTILES													VAR
1ST	5TH	10TH	15TH	25TH	35TH	50TH	65TH	75TH	85TH	90TH	95TH	99TH	NO
18.0	18.2	18.4	18.6	19.0	19.4	19.9	20.7	21.3	22.4	23.4	25.6	40.4	1
43.7	46.0	48.1	49.7	52.1	54.1	56.7	59.3	61.2	63.7	65.5	68.5	76.1	2
96.3	101.4	106.0	109.5	114.9	119.3	125.1	130.7	134.9	140.4	144.3	151.0	167.7	
0.8	1.0	1.2	1.3	1.5	1.6	1.8	2.0	2.2	2.4	2.5	2.8	3.2	3
0.3	0.4	0.5	0.5	0.6	0.6	0.7	0.8	0.9	0.9	1.0	1.1	1.3	
0.6	0.7	0.8	0.8	0.9	1.0	1.1	1.3	1.5	1.7	1.8	2.1	2.7	4
0.2	0.3	0.3	0.3	0.4	0.4	0.5	0.5	0.6	0.7	0.7	0.8	1.1	
0.7	0.9	1.1	1.3	1.5	1.7	1.9	2.2	2.4	2.7	2.8	3.1	3.7	5
0.3	0.4	0.4	0.5	0.6	0.7	0.8	0.9	0.9	1.0	1.1	1.2	1.5	
0.3	0.8	1.0	1.1	1.3	1.4	1.6	1.8	1.9	2.1	2.2	2.4	2.8	6
0.1	0.3	0.4	0.4	0.5	0.6	0.6	0.7	0.7	0.8	0.9	1.0	1.1	
149.6	152.5	154.3	155.6	157.6	159.3	161.6	164.0	165.8	168.1	169.6	171.9	176.2	7
58.9	60.0	60.7	61.2	62.0	62.7	63.6	64.6	65.3	66.2	66.8	67.7	69.4	
150.1	153.0	154.9	156.2	158.2	159.9	162.3	164.6	166.4	168.7	170.2	172.5	176.8	8
59.1	60.2	61.0	61.5	62.3	63.0	63.9	64.8	65.5	66.4	67.0	67.9	69.6	
127.8	130.4	132.0	133.3	135.1	136.7	138.8	141.0	142.6	144.6	146.1	148.2	152.4	9
50.3	51.3	52.0	52.5	53.2	53.8	54.6	55.5	56.1	56.9	57.5	58.3	60.0	
120.0	123.1	124.8	126.0	127.8	129.3	131.4	133.6	135.3	137.4	138.8	140.9	144.6	10
47.3	48.5	49.1	49.6	50.3	50.9	51.7	52.6	53.2	54.1	54.7	55.5	56.9	
120.7	123.5	125.1	126.3	128.1	129.6	131.6	133.7	135.3	137.3	138.7	140.7	144.4	11
47.5	48.6	49.3	49.7	50.4	51.0	51.8	52.6	53.3	54.1	54.6	55.4	56.9	
106.9	110.2	111.9	113.0	114.6	116.0	118.0	120.1	121.7	123.8	125.2	127.4	131.0	12
42.1	43.4	44.0	44.5	45.1	45.7	46.4	47.3	47.9	48.7	49.3	50.1	51.6	
90.7	93.0	94.4	95.4	97.0	98.2	99.9	101.7	103.1	104.8	106.0	107.8	111.1	13
35.7	36.6	37.2	37.6	38.2	38.7	39.3	40.0	40.6	41.3	41.7	42.4	43.7	
83.6	86.3	87.7	88.6	90.1	91.3	93.0	94.7	96.0	97.8	99.0	100.7	103.8	14
32.9	34.0	34.5	34.9	35.5	35.9	36.6	37.3	37.8	38.5	39.0	39.6	40.9	
73.2	75.7	77.2	78.2	79.7	80.9	82.6	84.2	85.4	87.0	88.1	89.7	92.9	15
28.8	29.8	30.4	30.8	31.4	31.9	32.5	33.1	33.6	34.3	34.7	35.3	36.6	
73.5	75.7	77.0	77.9	79.3	80.5	82.1	83.8	85.1	86.6	87.7	89.3	92.1	16
28.9	29.8	30.3	30.7	31.2	31.7	32.3	33.0	33.5	34.1	34.5	35.1	36.2	
64.4	66.6	67.8	68.7	70.0	71.1	72.6	74.2	75.4	77.0	78.0	79.5	82.1	17
25.4	26.2	26.7	27.0	27.6	28.0	28.6	29.2	29.7	30.3	30.7	31.3	32.3	
37.0	38.3	39.0	39.6	40.3	41.0	41.8	42.8	43.5	44.4	45.0	46.0	47.8	18
14.6	15.1	15.4	15.6	15.9	16.1	16.5	16.8	17.1	17.5	17.7	18.1	18.8	

UNITS...UPPER LINES, CENTIMETERS OR KILOGRAMS...LOWER LINES, INCHES OR POUNDS

TABLE XLII

STATISTICAL SUMMARIES AND SELECTED PERCENTILES FOR ENLISTED SERIES

	VARIABLE	MEAN	SE (M)	ST DEV	SE (SD)	COEF VAR	SAMPLE SIZE	SYMM ETRY	KURT OSIS
19	CROTCH HEIGHT	74.55	0.11	3.97	0.08	5.3	1357	0.19	2.95
		29.35	0.04	1.56	0.03	5.3	1357	0.19	2.95
20	ANKLE HEIGHT	11.19	0.04	1.35	0.03	12.0	1357	0.51	3.15
		4.40	0.01	0.53	0.01	12.0	1357	0.51	3.15
21	LATERAL MALLEOLUS HEIGHT	6.77	0.02	0.58	0.01	8.6	1357	0.06	3.28
		2.66	0.01	0.23	0.00	8.6	1357	0.06	3.28
22	SITTING HEIGHT, RELAXED	83.98	0.09	3.23	0.06	3.8	1357	0.08	2.80
		33.06	0.03	1.27	0.02	3.8	1357	0.08	2.80
23	SITTING HEIGHT	85.35	0.08	3.13	0.06	3.7	1357	0.11	2.77
		33.60	0.03	1.23	0.02	3.7	1357	0.11	2.77
24	EYE HEIGHT, SITTING	73.42	0.08	3.01	0.06	4.1	1357	0.09	2.92
		28.91	0.03	1.18	0.02	4.1	1357	0.09	2.92
25	MIDSHOULDER HEIGHT, SITTING	57.79	0.07	2.62	0.05	4.5	1357	0.16	2.84
		22.75	0.03	1.03	0.02	4.5	1357	0.16	2.84
26	WAIST HEIGHT, SITTING	23.21	0.05	1.73	0.03	7.5	1357	-0.03	2.96
		9.14	0.02	0.68	0.01	7.5	1357	-0.03	2.96
27	ELBOW REST HEIGHT	22.62	0.07	2.48	0.05	11.0	1357	0.08	2.76
		8.91	0.03	0.98	0.02	11.0	1357	0.08	2.76
28	POPLITEAL HEIGHT	41.07	0.05	1.83	0.04	4.5	1357	0.00	3.59
		16.17	0.02	0.72	0.01	4.5	1357	0.00	3.59
29	BUTTOCK-POPLITEAL LENGTH	47.62	0.08	2.77	0.05	5.8	1357	0.35	3.14
		18.75	0.03	1.09	0.02	5.8	1357	0.35	3.14
30	BUTTOCK-KNEE LENGTH	57.36	0.07	2.64	0.05	4.6	1357	0.16	2.88
		22.58	0.03	1.04	0.02	4.6	1357	0.16	2.88
31	ACROMION-RADIALE LENGTH	30.95	0.04	1.61	0.03	5.2	1357	0.03	3.07
		12.19	0.02	0.64	0.01	5.2	1357	0.03	3.07
32	RADIALE-STYLION LENGTH	23.40	0.04	1.37	0.03	5.8	1357	0.20	3.03
		9.21	0.01	0.54	0.01	5.8	1357	0.20	3.03
33	THUMB-TIP REACH	74.06	0.11	3.88	0.07	5.2	1357	0.11	3.03
		29.16	0.04	1.53	0.03	5.2	1357	0.11	3.03
34	THUMB-TIP REACH, EXTENDED	83.65	0.13	4.87	0.09	5.8	1357	0.23	2.86
		32.93	0.05	1.92	0.04	5.8	1357	0.23	2.86
35	OVERHEAD REACH	199.16	0.23	8.49	0.16	4.3	1357	0.12	2.76
		78.41	0.09	3.34	0.06	4.3	1357	0.12	2.76
36	NECK CIRCUMFERENCE	33.64	0.04	1.61	0.03	4.8	1357	0.23	3.14
		13.24	0.02	0.63	0.01	4.8	1357	0.23	3.14

UNITS...UPPER LINES, CENTIMETERS OR KILOGRAMS...LOWER LINES, INCHES OR POUNDS

TABLE XLII

STATISTICAL SUMMARIES AND SELECTED PERCENTILES FOR ENLISTED SERIES

PERCENTILES													VAR
1ST	5TH	10TH	15TH	25TH	35TH	50TH	65TH	75TH	85TH	90TH	95TH	99TH	NO
66.0	68.3	69.6	70.5	71.8	72.9	74.4	76.0	77.2	78.8	79.8	81.4	84.2	19
26.0	26.9	27.4	27.7	28.3	28.7	29.3	29.9	30.4	31.0	31.4	32.1	33.1	
8.8	9.2	9.5	9.8	10.2	10.6	11.1	11.6	12.1	12.6	13.0	13.6	14.8	20
3.5	3.6	3.7	3.8	4.0	4.2	4.4	4.6	4.7	5.0	5.1	5.4	5.8	
5.3	5.8	6.0	6.2	6.4	6.6	6.8	7.0	7.2	7.4	7.6	7.8	8.3	21
2.1	2.3	2.4	2.4	2.5	2.6	2.7	2.8	2.8	2.9	3.0	3.1	3.3	
77.1	78.7	79.7	80.5	81.7	82.7	84.0	85.3	86.2	87.4	88.1	89.3	91.6	22
30.3	31.0	31.4	31.7	32.2	32.6	33.1	33.6	33.9	34.4	34.7	35.2	36.0	
78.6	80.2	81.3	82.0	83.1	84.0	85.3	86.5	87.5	88.7	89.4	90.6	92.7	23
31.0	31.6	32.0	32.3	32.7	33.1	33.6	34.1	34.4	34.9	35.2	35.7	36.5	
66.6	68.5	69.6	70.3	71.4	72.2	73.4	74.5	75.4	76.5	77.3	78.4	80.8	24
26.2	27.0	27.4	27.7	28.1	28.4	28.9	29.3	29.7	30.1	30.4	30.9	31.8	
52.1	53.6	54.4	55.0	55.9	56.7	57.7	58.8	59.5	60.5	61.2	62.2	64.0	25
20.5	21.1	21.4	21.7	22.0	22.3	22.7	23.1	23.4	23.8	24.1	24.5	25.2	
19.0	20.3	21.0	21.4	22.0	22.5	23.2	23.9	24.4	25.0	25.5	26.1	27.3	26
7.5	8.0	8.3	8.4	8.7	8.9	9.1	9.4	9.6	9.9	10.0	10.3	10.7	
17.2	18.6	19.4	20.0	20.9	21.6	22.6	23.6	24.3	25.2	25.8	26.8	28.7	27
6.8	7.3	7.6	7.9	8.2	8.5	8.9	9.3	9.6	9.9	10.2	10.6	11.3	
36.6	38.0	38.7	39.2	39.9	40.4	41.1	41.7	42.2	42.8	43.3	44.0	45.8	28
14.4	15.0	15.3	15.4	15.7	15.9	16.2	16.4	16.6	16.9	17.0	17.3	18.0	
42.0	43.4	44.2	44.8	45.7	46.4	47.4	48.5	49.4	50.5	51.3	52.5	55.0	29
16.5	17.1	17.4	17.6	18.0	18.3	18.7	19.1	19.4	19.9	20.2	20.7	21.7	
51.8	53.2	54.0	54.6	55.5	56.2	57.3	58.3	59.1	60.1	60.8	61.9	63.7	30
20.4	21.0	21.3	21.5	21.8	22.1	22.5	23.0	23.3	23.7	24.0	24.4	25.1	
27.3	28.3	28.9	29.3	29.9	30.3	30.9	31.6	32.0	32.6	33.0	33.6	34.8	31
10.8	11.2	11.4	11.5	11.8	11.9	12.2	12.4	12.6	12.8	13.0	13.2	13.7	
20.3	21.2	21.7	22.0	22.4	22.8	23.3	23.9	24.3	24.8	25.2	25.8	27.0	32
8.0	8.3	8.5	8.7	8.8	9.0	9.2	9.4	9.6	9.8	9.9	10.1	10.6	
65.4	67.7	69.0	70.0	71.4	72.5	74.1	75.5	76.6	78.0	79.0	80.4	83.5	33
25.8	26.6	27.2	27.5	28.1	28.6	29.2	29.7	30.2	30.7	31.1	31.7	32.9	
73.3	75.9	77.4	78.5	80.2	81.6	83.5	85.4	86.9	88.8	90.1	92.1	96.0	34
28.8	29.9	30.5	30.9	31.6	32.1	32.9	33.6	34.2	34.9	35.5	36.2	37.8	
181.5	185.3	188.0	190.0	193.1	195.6	199.1	202.5	205.0	208.1	210.2	213.1	218.6	35
71.4	73.0	74.0	74.8	76.0	77.0	78.4	79.7	80.7	81.9	82.7	83.9	86.1	
30.2	31.0	31.5	31.9	32.5	33.0	33.6	34.2	34.7	35.2	35.7	36.3	37.9	36
11.9	12.2	12.4	12.6	12.8	13.0	13.2	13.5	13.6	13.9	14.0	14.3	14.9	

UNITS...UPPER LINES, CENTIMETERS OR KILOGRAMS...LOWER LINES, INCHES OR POUNDS

TABLE XLII
STATISTICAL SUMMARIES AND SELECTED PERCENTILES FOR ENLISTED SERIES

	VARIABLE	MEAN	SE (M)	ST DEV	SE (SD)	COEF VAR	SAMPLE SIZE	SYMM ETRY	KURT OSIS
37	SHOULDER CIRCUMFERENCE	99.88	0.13	4.85	0.09	4.9	1357	0.45	3.49
		39.32	0.05	1.91	0.04	4.9	1357	0.45	3.49
38	CHEST CIRCUMFERENCE AT SCYE	83.58	0.12	4.59	0.09	5.5	1357	0.58	3.95
		32.90	0.05	1.81	0.03	5.5	1357	0.58	3.95
39	BUST CIRCUMFERENCE	88.99	0.14	5.15	0.10	5.8	1357	0.65	3.95
		35.04	0.06	2.03	0.04	5.8	1357	0.65	3.95
40	CHEST CIRCUMFERENCE BELOW BUST	73.83	0.12	4.44	0.09	6.0	1357	0.58	3.93
		29.07	0.05	1.75	0.03	6.0	1357	0.58	3.93
41	WAIST CIRCUMFERENCE	66.79	0.13	4.96	0.10	7.4	1357	0.80	4.53
		26.30	0.05	1.95	0.04	7.4	1357	0.80	4.53
42	ABDOMINAL EXTENSION CIRCUMFERENCE	84.71	0.18	6.71	0.13	7.9	1357	0.56	4.27
		33.35	0.07	2.64	0.05	7.9	1357	0.56	4.27
43	HIP CIRCUMFERENCE-SEVEN INCHES BELOW WAIST LEVEL	93.05	0.14	5.20	0.10	5.6	1357	0.40	3.96
		36.63	0.06	2.05	0.04	5.6	1357	0.40	3.96
44	HIP CIRCUMFERENCE-NINE INCHES BELOW WAIST LEVEL	94.63	0.16	5.76	0.11	6.1	1357	0.22	3.57
		37.26	0.06	2.27	0.04	6.1	1357	0.22	3.57
45	UPPER THIGH CIRCUMFERENCE	55.14	0.11	4.06	0.08	7.4	1357	0.26	3.50
		21.71	0.04	1.60	0.03	7.4	1357	0.26	3.50
46	KNEE CIRCUMFERENCE	36.15	0.06	2.16	0.04	6.0	1357	0.32	3.26
		14.23	0.02	0.85	0.02	6.0	1357	0.32	3.26
47	CALF CIRCUMFERENCE, RIGHT	34.07	0.06	2.21	0.04	6.5	1357	0.17	3.28
		13.41	0.02	0.87	0.02	6.5	1357	0.17	3.28
48	CALF CIRCUMFERENCE, LEFT	34.14	0.06	2.24	0.04	6.5	1357	0.10	3.21
		13.44	0.02	0.88	0.02	6.5	1357	0.10	3.21
49	ANKLE CIRCUMFERENCE	21.11	0.03	1.28	0.02	6.1	1357	0.23	2.97
		8.31	0.01	0.50	0.01	6.1	1357	0.23	2.97
50	VERTICAL TRUNK CIRCUMFERENCE	153.56	0.18	6.57	0.13	4.3	1357	0.22	2.94
		60.45	0.07	2.59	0.05	4.3	1357	0.22	2.94
51	VERTICAL TRUNK CIRCUMFERENCE, SITTING	149.35	0.17	6.33	0.12	4.2	1357	0.16	2.86
		58.80	0.07	2.49	0.05	4.2	1357	0.16	2.86
52	BUTTOCK CIRCUMFERENCE, SITTING	99.23	0.15	5.55	0.11	5.6	1357	0.42	3.89
		39.07	0.06	2.19	0.04	5.6	1357	0.42	3.89
53	SCYE CIRCUMFERENCE	36.83	0.06	2.17	0.04	5.9	1357	0.30	3.29
		14.50	0.02	0.86	0.02	5.9	1357	0.30	3.29
54	AXILLARY ARM CIRCUMFERENCE	27.17	0.06	2.20	0.04	8.1	1357	0.29	3.24
		10.70	0.02	0.87	0.02	8.1	1357	0.29	3.24

UNITS...UPPER LINES, CENTIMETERS OR KILOGRAMS...LOWER LINES, INCHES OR POUNDS

TABLE XLII

STATISTICAL SUMMARIES AND SELECTED PERCENTILES FOR ENLISTED SERIES

PERCENTILES													VAR
1ST	5TH	10TH	15TH	25TH	35TH	50TH	65TH	75TH	85TH	90TH	95TH	99TH	NO
90.2	92.5	93.9	94.9	96.4	97.7	99.6	101.4	102.9	104.8	106.2	108.2	112.4	37
35.5	36.4	37.0	37.4	38.0	38.5	39.2	39.9	40.5	41.3	41.8	42.6	44.3	
73.9	76.6	78.1	79.0	80.5	81.6	83.2	84.9	86.2	88.0	89.4	91.7	97.0	38
29.1	30.2	30.7	31.1	31.7	32.1	32.8	33.4	33.9	34.7	35.2	36.1	38.2	
78.5	81.3	82.8	83.9	85.4	86.7	88.5	90.4	92.0	94.1	95.7	98.2	103.5	39
30.9	32.0	32.6	33.0	33.6	34.1	34.8	35.6	36.2	37.1	37.7	38.7	40.8	
64.8	67.2	68.5	69.4	70.7	71.9	73.5	75.1	76.5	78.3	79.6	81.6	86.0	40
25.5	26.4	27.0	27.3	27.9	28.3	28.9	29.6	30.1	30.8	31.3	32.1	33.9	
57.7	59.5	60.8	61.8	63.3	64.6	66.3	68.1	69.6	71.6	73.0	75.5	81.6	41
22.7	23.4	23.9	24.3	24.9	25.4	26.1	26.8	27.4	28.2	28.8	29.7	32.1	
71.1	74.3	76.4	77.9	80.2	82.0	84.4	86.8	88.7	91.1	92.9	96.0	103.6	42
28.0	29.2	30.1	30.7	31.6	32.3	33.2	34.2	34.9	35.9	36.6	37.8	40.8	
81.3	84.7	86.6	87.8	89.6	91.0	92.9	94.7	96.2	98.1	99.4	101.7	106.7	43
32.0	33.4	34.1	34.6	35.3	35.8	36.6	37.3	37.9	38.6	39.2	40.0	42.0	
81.3	85.2	87.3	88.8	90.8	92.4	94.5	96.6	98.2	100.2	101.7	104.1	109.6	44
32.0	33.5	34.4	34.9	35.8	36.4	37.2	38.0	38.7	39.5	40.0	41.0	43.1	
46.2	48.6	50.0	51.0	52.4	53.5	55.0	56.6	57.7	59.2	60.3	61.8	65.2	45
18.2	19.1	19.7	20.1	20.6	21.1	21.7	22.3	22.7	23.3	23.7	24.3	25.7	
31.5	32.8	33.5	33.9	34.7	35.2	36.0	36.9	37.5	38.4	39.0	39.9	41.7	46
12.4	12.9	13.2	13.4	13.6	13.9	14.2	14.5	14.8	15.1	15.3	15.7	16.4	
29.2	30.5	31.3	31.8	32.6	33.2	34.0	34.9	35.5	36.3	36.9	37.7	39.5	47
11.5	12.0	12.3	12.5	12.8	13.1	13.4	13.7	14.0	14.3	14.5	14.9	15.6	
28.9	30.5	31.3	31.9	32.6	33.3	34.1	35.0	35.6	36.4	37.0	37.8	39.4	48
11.4	12.0	12.3	12.5	12.9	13.1	13.4	13.8	14.0	14.3	14.6	14.9	15.5	
18.4	19.1	19.5	19.8	20.2	20.6	21.1	21.6	22.0	22.5	22.8	23.3	24.4	49
7.2	7.5	7.7	7.8	8.0	8.1	8.3	8.5	8.6	8.8	9.0	9.2	9.6	
140.1	142.9	145.0	146.6	148.9	150.9	153.4	155.9	157.8	160.2	161.9	164.5	170.5	50
55.1	56.3	57.1	57.7	58.6	59.4	60.4	61.4	62.1	63.1	63.7	64.8	67.1	
136.1	139.1	141.1	142.6	144.9	146.7	149.2	151.7	153.6	155.9	157.5	159.8	164.5	51
53.6	54.8	55.6	56.1	57.0	57.8	58.7	59.7	60.5	61.4	62.0	62.9	64.8	
87.0	90.4	92.3	93.6	95.5	97.0	99.0	101.0	102.6	104.6	106.1	108.5	114.3	52
34.2	35.6	36.3	36.9	37.6	38.2	39.0	39.8	40.4	41.2	41.8	42.7	45.0	
32.1	33.4	34.1	34.6	35.3	35.9	36.7	37.5	38.2	39.0	39.7	40.6	42.6	53
12.6	13.2	13.4	13.6	13.9	14.1	14.4	14.8	15.0	15.4	15.6	16.0	16.8	
22.5	23.7	24.4	24.9	25.6	26.2	27.1	27.9	28.6	29.4	30.0	30.9	32.8	54
8.9	9.3	9.6	9.8	10.1	10.3	10.7	11.0	11.2	11.6	11.8	12.2	12.9	

UNITS...UPPER LINES, CENTIMETERS OR KILOGRAMS...LOWER LINES, INCHES OR POUNDS

TABLE XLII

STATISTICAL SUMMARIES AND SELECTED PERCENTILES FOR ENLISTED SERIES

	VARIABLE	MEAN	SE (M)	ST DEV	SE (SD)	COEF VAR	SAMPLE SIZE	SYMM ETRY	KURT OSIS
55	BICEPS CIRCUMFERENCE, RELAXED,	25.32	0.06	2.14	0.04	8.5	1357	0.53	4.26
	RIGHT	9.97	0.02	0.84	0.02	8.5	1357	0.53	4.26
56	BICEPS CIRCUMFERENCE, FLEXED,	26.51	0.06	2.17	0.04	8.2	1357	0.54	4.35
	RIGHT	10.44	0.02	0.85	0.02	8.2	1357	0.54	4.35
57	BICEPS CIRCUMFERENCE, RELAXED,	25.35	0.06	2.21	0.04	8.7	1357	0.50	4.23
	LEFT	9.98	0.02	0.87	0.02	8.7	1357	0.50	4.23
58	BICEPS CIRCUMFERENCE, FLEXED,	26.22	0.06	2.20	0.04	8.4	1357	0.53	4.42
	LEFT	10.32	0.02	0.87	0.02	8.4	1357	0.53	4.42
59	ELBOW CIRCUMFERENCE, FLEXED	26.95	0.05	1.76	0.03	6.5	1357	0.23	3.35
		10.61	0.02	0.69	0.01	6.5	1357	0.23	3.35
60	FOREARM CIRCUMFERENCE, RELAXED	23.38	0.04	1.34	0.03	5.7	1357	0.32	3.56
		9.20	0.01	0.53	0.01	5.7	1357	0.32	3.56
61	FOREARM CIRCUMFERENCE, FLEXED	24.89	0.04	1.49	0.03	6.0	1357	0.28	3.54
		9.80	0.02	0.59	0.01	6.0	1357	0.28	3.54
62	WRIST CIRCUMFERENCE	14.96	0.02	0.70	0.01	4.7	1357	0.25	3.15
		5.89	0.01	0.28	0.01	4.7	1357	0.25	3.15
63	BIACROMIAL BREADTH	35.74	0.04	1.63	0.03	4.6	1357	0.10	3.23
		14.07	0.02	0.64	0.01	4.6	1357	0.10	3.23
64	BIDELTOID BREADTH	41.65	0.06	2.21	0.04	5.3	1357	0.20	3.38
		16.40	0.02	0.87	0.02	5.3	1357	0.20	3.38
65	CHEST BREADTH	27.78	0.05	1.79	0.03	6.4	1357	0.40	3.38
		10.94	0.02	0.70	0.01	6.4	1357	0.40	3.38
66	BUSTPOINT-TO-BUSTPOINT	18.43	0.04	1.52	0.03	8.2	1357	0.09	3.41
	BREADTH	7.26	0.02	0.60	0.01	8.2	1357	0.09	3.41
67	WAIST BREADTH	24.05	0.05	1.83	0.04	7.6	1357	0.48	3.50
		9.47	0.02	0.72	0.01	7.6	1357	0.48	3.50
68	HIP BREADTH	34.76	0.06	2.14	0.04	6.1	1357	0.33	3.46
		13.68	0.02	0.84	0.02	6.1	1357	0.33	3.46
69	THIGH-TO-THIGH BREADTH,	37.79	0.07	2.70	0.05	7.1	1357	0.33	3.42
	SITTING	14.88	0.03	1.06	0.02	7.1	1357	0.33	3.42
70	HUMERAL BREADTH, RIGHT	6.12	0.01	0.30	0.01	5.0	1357	0.17	3.20
		2.41	0.00	0.12	0.00	5.0	1357	0.17	3.20
71	HUMERAL BREADTH, LEFT	6.09	0.01	0.30	0.01	4.9	1357	0.07	3.09
		2.40	0.00	0.12	0.00	4.9	1357	0.07	3.09
72	FEMORAL BREADTH, RIGHT	8.08	0.01	0.45	0.01	5.5	1357	0.12	3.26
		3.18	0.00	0.18	0.00	5.5	1357	0.12	3.26

UNITS...UPPER LINES, CENTIMETERS OR KILOGRAMS...LOWER LINES, INCHES OR POUNDS

TABLE XLII

STATISTICAL SUMMARIES AND SELECTED PERCENTILES FOR ENLISTED SERIES

PERCENTILES													VAR
1ST	5TH	10TH	15TH	25TH	35TH	50TH	65TH	75TH	85TH	90TH	95TH	99TH	NO
20.9	22.0	22.7	23.1	23.8	24.4	25.2	26.0	26.6	27.5	28.1	29.0	30.8	55
8.2	8.7	8.9	9.1	9.4	9.6	9.9	10.2	10.5	10.8	11.1	11.4	12.1	
22.0	23.2	23.8	24.3	25.0	25.6	26.4	27.2	27.8	28.7	29.3	30.2	32.0	56
8.7	9.1	9.4	9.6	9.8	10.1	10.4	10.7	11.0	11.3	11.5	11.9	12.6	
20.6	21.9	22.6	23.1	23.8	24.4	25.2	26.0	26.7	27.6	28.2	29.1	30.9	57
8.1	8.6	8.9	9.1	9.4	9.6	9.9	10.3	10.5	10.9	11.1	11.5	12.2	
21.6	22.8	23.5	24.0	24.7	25.3	26.1	26.9	27.5	28.3	28.9	29.9	32.1	58
8.5	9.0	9.2	9.4	9.7	10.0	10.3	10.6	10.8	11.2	11.4	11.8	12.6	
22.9	24.1	24.7	25.1	25.7	26.2	26.9	27.6	28.1	28.8	29.2	29.9	31.3	59
9.0	9.5	9.7	9.9	10.1	10.3	10.6	10.8	11.1	11.3	11.5	11.8	12.3	
20.5	21.2	21.7	22.0	22.4	22.8	23.3	23.8	24.2	24.7	25.1	25.6	26.7	60
8.1	8.4	8.5	8.6	8.8	9.0	9.2	9.4	9.5	9.7	9.9	10.1	10.5	
21.6	22.5	23.0	23.3	23.8	24.3	24.8	25.4	25.8	26.4	26.8	27.4	28.7	61
8.5	8.8	9.0	9.2	9.4	9.6	9.8	10.0	10.2	10.4	10.5	10.8	11.3	
13.4	13.8	14.0	14.2	14.4	14.6	14.9	15.2	15.4	15.7	15.9	16.2	16.8	62
5.3	5.4	5.5	5.6	5.7	5.8	5.9	6.0	6.1	6.2	6.3	6.4	6.6	
31.8	33.1	33.7	34.1	34.7	35.1	35.7	36.3	36.8	37.4	37.8	38.5	39.7	63
12.5	13.0	13.3	13.4	13.6	13.8	14.0	14.3	14.5	14.7	14.9	15.1	15.6	
36.5	38.1	38.9	39.4	40.2	40.8	41.6	42.4	43.0	43.9	44.4	45.4	47.3	64
14.4	15.0	15.3	15.5	15.8	16.1	16.4	16.7	16.9	17.3	17.5	17.9	18.6	
23.9	25.0	25.6	25.9	26.5	27.0	27.6	28.3	28.9	29.6	30.1	31.0	32.6	65
9.4	9.8	10.1	10.2	10.4	10.6	10.9	11.2	11.4	11.7	11.9	12.2	12.8	
14.9	15.9	16.5	16.9	17.4	17.8	18.4	19.0	19.4	19.9	20.3	21.0	22.3	66
5.8	6.3	6.5	6.6	6.9	7.0	7.2	7.5	7.6	7.9	8.0	8.3	8.8	
20.3	21.3	21.8	22.2	22.7	23.2	23.9	24.6	25.2	25.9	26.4	27.2	28.8	67
8.0	8.4	8.6	8.7	9.0	9.1	9.4	9.7	9.9	10.2	10.4	10.7	11.4	
30.1	31.4	32.1	32.6	33.3	33.9	34.7	35.5	36.1	36.9	37.5	38.4	40.5	68
11.9	12.4	12.6	12.8	13.1	13.3	13.6	14.0	14.2	14.5	14.8	15.1	16.0	
31.9	33.5	34.4	35.0	35.9	36.7	37.7	38.7	39.5	40.5	41.2	42.4	45.0	69
12.6	13.2	13.5	13.8	14.2	14.4	14.8	15.2	15.5	15.9	16.2	16.7	17.7	
5.4	5.6	5.7	5.8	5.9	6.0	6.1	6.2	6.3	6.4	6.5	6.6	6.9	70
2.1	2.2	2.3	2.3	2.3	2.4	2.4	2.5	2.5	2.5	2.6	2.6	2.7	
5.4	5.6	5.7	5.8	5.9	6.0	6.1	6.2	6.3	6.4	6.5	6.6	6.8	71
2.1	2.2	2.2	2.3	2.3	2.4	2.4	2.4	2.5	2.5	2.5	2.6	2.7	
7.0	7.4	7.5	7.6	7.8	7.9	8.1	8.2	8.4	8.5	8.7	8.8	9.2	72
2.7	2.9	3.0	3.0	3.1	3.1	3.2	3.2	3.3	3.4	3.4	3.5	3.6	

UNITS...UPPER LINES, CENTIMETERS OR KILOGRAMS...LOWER LINES, INCHES OR POUNDS

TABLE XLII
STATISTICAL SUMMARIES AND SELECTED PERCENTILES FOR ENLISTED SERIES

VARIABLE	MEAN	SE (M)	ST DEV	SE (SD)	COEF VAR	SAMPLE SIZE	SYMM ETRY	KURT OSIS
73 FEMORAL BREADTH, LEFT	8.10	0.01	0.43	0.01	5.3	1357	0.13	3.15
	3.19	0.00	0.17	0.00	5.3	1357	0.13	3.15
74 CHEST DEPTH	23.41	0.05	1.76	0.03	7.5	1357	0.58	3.67
	9.22	0.02	0.69	0.01	7.5	1357	0.58	3.67
75 WAIST DEPTH	16.84	0.04	1.46	0.03	8.7	1357	1.06	6.09
	6.63	0.02	0.58	0.01	8.7	1357	1.06	6.09
76 ABDOMINAL EXTENSION DEPTH	20.63	0.05	1.89	0.04	9.2	1357	0.86	5.30
	8.12	0.02	0.75	0.01	9.2	1357	0.86	5.30
77 BUTTOCK DEPTH	21.03	0.05	1.68	0.03	8.0	1357	0.36	3.81
	8.28	0.02	0.66	0.01	8.0	1357	0.36	3.81
78 THIGH CLEARANCE	12.40	0.03	1.20	0.02	9.7	1357	0.16	2.96
	4.88	0.01	0.47	0.01	9.7	1357	0.16	2.96
79 SHOULDER LENGTH	14.63	0.03	1.02	0.02	7.0	1357	0.15	3.00
	5.76	0.01	0.40	0.01	7.0	1357	0.15	3.00
80 NECK-TO-BUSTPOINT LENGTH	25.26	0.05	1.79	0.03	7.1	1357	0.22	3.07
	9.94	0.02	0.71	0.01	7.1	1357	0.22	3.07
81 STRAP LENGTH	64.72	0.10	3.71	0.07	5.7	1357	0.24	3.22
	25.48	0.04	1.46	0.03	5.7	1357	0.24	3.22
82 INTERSCYE CURVATURE	34.83	0.06	2.35	0.05	6.7	1357	0.14	3.05
	13.71	0.03	0.92	0.02	6.7	1357	0.14	3.05
83 INTERSCYE CURVATURE, MAXIMUM	49.08	0.09	3.29	0.06	6.7	1357	-0.01	3.14
	19.32	0.04	1.29	0.02	6.7	1357	-0.01	3.14
84 BACK CURVATURE	41.93	0.08	2.89	0.06	6.9	1357	0.45	3.46
	16.51	0.03	1.14	0.02	6.9	1357	0.45	3.46
85 WAIST BACK	40.52	0.06	2.18	0.04	5.4	1357	0.10	2.95
	15.95	0.02	0.86	0.02	5.4	1357	0.10	2.95
86 ANTERIOR WAIST LENGTH	33.55	0.05	1.93	0.04	5.7	1357	0.33	3.21
	13.21	0.02	0.76	0.01	5.7	1357	0.33	3.21
87 SLEEVE INSEAM	44.23	0.07	2.40	0.05	5.4	1357	0.26	3.14
	17.41	0.03	0.94	0.02	5.4	1357	0.26	3.14
88 SPINE-TO-SCYE LENGTH (SLEEVE LENGTH SEGMENT)	20.22	0.04	1.35	0.03	6.7	1357	0.16	3.59
	7.96	0.01	0.53	0.01	6.7	1357	0.16	3.59
89 SPINE-TO-ELBOW LENGTH (SLEEVE LENGTH SEGMENT)	53.10	0.06	2.38	0.05	4.5	1357	0.27	3.47
	20.90	0.03	0.94	0.02	4.5	1357	0.27	3.47
90 SPINE-TO-WRIST LENGTH (SLEEVE LENGTH)	79.40	0.09	3.28	0.06	4.1	1357	0.29	3.33
	31.26	0.04	1.29	0.02	4.1	1357	0.29	3.33

UNITS...UPPER LINES, CENTIMETERS OR KILOGRAMS...LOWER LINES, INCHES OR POUNDS

TABLE XLII

STATISTICAL SUMMARIES AND SELECTED PERCENTILES FOR ENLISTED SERIES

PERCENTILES													VAR
1ST	5TH	10TH	15TH	25TH	35TH	50TH	65TH	75TH	85TH	90TH	95TH	99TH	NO
7.1	7.4	7.6	7.7	7.8	7.9	8.1	8.3	8.4	8.6	8.7	8.8	9.2	73
2.8	2.9	3.0	3.0	3.1	3.1	3.2	3.3	3.3	3.4	3.4	3.5	3.6	
19.9	20.8	21.3	21.6	22.2	22.6	23.2	23.9	24.5	25.2	25.7	26.6	28.2	74
7.8	8.2	8.4	8.5	8.7	8.9	9.1	9.4	9.6	9.9	10.1	10.5	11.1	
14.0	14.7	15.1	15.5	15.9	16.3	16.7	17.2	17.6	18.1	18.5	19.3	21.6	75
5.5	5.8	6.0	6.1	6.3	6.4	6.6	6.8	6.9	7.1	7.3	7.6	8.5	
16.9	17.8	18.4	18.8	19.4	19.8	20.5	21.1	21.7	22.4	22.9	23.9	26.2	76
6.6	7.0	7.2	7.4	7.6	7.8	8.1	8.3	8.5	8.8	9.0	9.4	10.3	
17.4	18.3	18.9	19.3	19.9	20.4	21.0	21.6	22.1	22.7	23.1	23.8	25.5	77
6.8	7.2	7.4	7.6	7.8	8.0	8.3	8.5	8.7	8.9	9.1	9.4	10.0	
9.7	10.4	10.8	11.1	11.5	11.9	12.4	12.8	13.2	13.7	14.0	14.4	15.2	78
3.8	4.1	4.3	4.4	4.5	4.7	4.9	5.1	5.2	5.4	5.5	5.7	6.0	
12.3	13.0	13.3	13.5	13.9	14.2	14.6	15.0	15.3	15.7	16.0	16.4	17.1	79
4.8	5.1	5.2	5.3	5.5	5.6	5.7	5.9	6.0	6.2	6.3	6.4	6.7	
21.3	22.4	23.0	23.4	24.0	24.5	25.2	25.9	26.4	27.1	27.6	28.3	29.7	80
8.4	8.8	9.0	9.2	9.4	9.6	9.9	10.2	10.4	10.7	10.9	11.1	11.7	
56.5	58.8	60.0	60.9	62.1	63.1	64.5	66.0	67.1	68.5	69.5	71.1	74.3	81
22.2	23.2	23.6	24.0	24.5	24.9	25.4	26.0	26.4	27.0	27.4	28.0	29.2	
29.5	31.0	31.8	32.4	33.2	33.9	34.8	35.7	36.3	37.2	37.8	38.7	40.7	82
11.6	12.2	12.5	12.8	13.1	13.3	13.7	14.0	14.3	14.6	14.9	15.3	16.0	
41.2	43.6	44.9	45.7	46.9	47.8	49.1	50.3	51.2	52.4	53.2	54.4	56.8	83
16.2	17.2	17.7	18.0	18.5	18.8	19.3	19.8	20.2	20.6	20.9	21.4	22.4	
35.9	37.6	38.5	39.0	39.9	40.7	41.7	42.8	43.7	44.9	45.7	47.0	49.8	84
14.1	14.8	15.1	15.4	15.7	16.0	16.4	16.8	17.2	17.7	18.0	18.5	19.6	
35.7	37.0	37.8	38.3	39.0	39.6	40.4	41.3	42.0	42.8	43.4	44.2	45.7	85
14.0	14.6	14.9	15.1	15.4	15.6	15.9	16.3	16.5	16.8	17.1	17.4	18.0	
29.4	30.5	31.1	31.6	32.2	32.7	33.4	34.2	34.8	35.6	36.1	36.9	38.3	86
11.6	12.0	12.3	12.4	12.7	12.9	13.2	13.5	13.7	14.0	14.2	14.5	15.1	
39.0	40.4	41.2	41.7	42.5	43.2	44.1	45.1	45.8	46.7	47.3	48.3	50.1	87
15.3	15.9	16.2	16.4	16.7	17.0	17.4	17.7	18.0	18.4	18.6	19.0	19.7	
17.0	18.1	18.6	18.9	19.3	19.7	20.2	20.7	21.1	21.6	22.0	22.5	23.6	88
6.7	7.1	7.3	7.4	7.6	7.7	7.9	8.1	8.3	8.5	8.7	8.9	9.3	
47.8	49.3	50.1	50.7	51.5	52.1	53.0	53.9	54.6	55.4	56.1	57.1	59.4	89
18.8	19.4	19.7	19.9	20.3	20.5	20.9	21.2	21.5	21.8	22.1	22.5	23.4	
72.3	74.2	75.3	76.0	77.1	78.0	79.2	80.5	81.5	82.7	83.6	85.0	87.9	90
28.5	29.2	29.6	29.9	30.4	30.7	31.2	31.7	32.1	32.6	32.9	33.5	34.6	

UNITS...UPPER LINES, CENTIMETERS OR KILOGRAMS...LOWER LINES, INCHES OR POUNDS

TABLE XLII

STATISTICAL SUMMARIES AND SELECTED PERCENTILES FOR ENLISTED SERIES

	VARIABLE	MEAN	SE (M)	ST DEV	SE (SD)	COEF VAR	SAMPLE SIZE	SYMM ETRY	KURT OSIS
91	HAND LENGTH	18.36	0.03	0.96	0.02	5.2	1357	0.25	3.02
		7.23	0.01	0.38	0.01	5.2	1357	0.25	3.02
92	HAND BREADTH	7.54	0.01	0.38	0.01	5.1	1357	0.01	3.06
		2.97	0.00	0.15	0.00	5.1	1357	0.01	3.06
93	HAND CIRCUMFERENCE	18.32	0.02	0.90	0.02	4.9	1357	0.14	3.01
		7.21	0.01	0.35	0.01	4.9	1357	0.14	3.01
94	FOOT LENGTH	24.04	0.03	1.11	0.02	4.6	1357	0.17	2.96
		9.46	0.01	0.44	0.01	4.6	1357	0.17	2.96
95	FOOT BREADTH	8.88	0.01	0.50	0.01	5.6	1357	0.25	3.44
		3.50	0.01	0.20	0.00	5.6	1357	0.25	3.44
96	HEAD LENGTH	18.34	0.02	0.68	0.01	3.7	1357	0.04	3.00
		7.22	0.01	0.27	0.01	3.7	1357	0.04	3.00
97	HEAD BREADTH	14.45	0.02	0.59	0.01	4.1	1357	0.11	3.11
		5.69	0.01	0.23	0.00	4.1	1357	0.11	3.11
98	HEAD CIRCUMFERENCE	54.73	0.04	1.60	0.03	2.9	1357	0.13	2.93
		21.55	0.02	0.63	0.01	2.9	1357	0.13	2.93
99	TRAGION TO TOP OF HEAD	12.68	0.02	0.76	0.01	6.0	1357	0.43	3.42
		4.99	0.01	0.30	0.01	6.0	1357	0.43	3.42
100	ECTOCANTHUS TO TOP OF HEAD	11.72	0.02	0.91	0.02	7.8	1357	0.44	3.48
		4.61	0.01	0.36	0.01	7.8	1357	0.44	3.48
101	PRONASALE TO TOP OF HEAD	14.66	0.03	1.14	0.02	7.8	1357	0.32	3.36
		5.77	0.01	0.45	0.01	7.8	1357	0.32	3.36
102	SUBNASALE TO TOP OF HEAD	15.84	0.03	1.08	0.02	6.8	1357	0.25	3.29
		6.23	0.01	0.43	0.01	6.8	1357	0.25	3.29
103	STOMION TO TOP OF HEAD	17.77	0.03	1.11	0.02	6.2	1357	0.27	3.52
		6.99	0.01	0.44	0.01	6.2	1357	0.27	3.52
104	MENTON TO TOP OF HEAD	21.84	0.03	1.12	0.02	5.1	1357	0.16	3.27
		8.60	0.01	0.44	0.01	5.1	1357	0.16	3.27
105	TRAGION TO WALL	10.15	0.02	0.90	0.02	8.9	1357	0.73	4.22
		4.00	0.01	0.35	0.01	8.9	1357	0.73	4.22
106	ECTOCANTHUS TO WALL	16.31	0.03	0.98	0.02	6.0	1357	0.62	3.87
		6.42	0.01	0.39	0.01	6.0	1357	0.62	3.87
107	PRONASALE TO WALL	21.13	0.03	0.96	0.02	4.5	1357	0.51	3.66
		8.32	0.01	0.38	0.01	4.5	1357	0.51	3.66
108	SUBNASALE TO WALL	19.63	0.03	0.99	0.02	5.0	1357	0.57	3.92
		7.73	0.01	0.39	0.01	5.0	1357	0.57	3.92

UNITS...UPPER LINES, CENTIMETERS OR KILOGRAMS...LOWER LINES, INCHES OR POUNDS

TABLE XLII

STATISTICAL SUMMARIES AND SELECTED PERCENTILES FOR ENLISTED SERIES

PERCENTILES												VAR
1ST	5TH	10TH	15TH	25TH	35TH	50TH	65TH	75TH	85TH	90TH	95TH	99TH	NO
16.4	16.9	17.2	17.4	17.7	18.0	18.3	18.7	19.0	19.4	19.6	20.0	20.8	91
6.4	6.6	6.8	6.8	7.0	7.1	7.2	7.4	7.5	7.6	7.7	7.9	8.2	
6.7	6.9	7.0	7.1	7.3	7.4	7.5	7.7	7.8	7.9	8.0	8.2	8.5	92
2.6	2.7	2.8	2.8	2.9	2.9	3.0	3.0	3.1	3.1	3.2	3.2	3.3	
16.3	16.8	17.1	17.4	17.7	17.9	18.3	18.6	18.9	19.2	19.5	19.8	20.5	93
6.4	6.6	6.7	6.8	7.0	7.1	7.2	7.3	7.4	7.6	7.7	7.8	8.1	
21.5	22.2	22.6	22.8	23.2	23.6	24.0	24.4	24.8	25.2	25.5	25.9	26.9	94
8.5	8.7	8.9	9.0	9.2	9.3	9.5	9.6	9.8	9.9	10.0	10.2	10.6	
7.7	8.0	8.2	8.3	8.5	8.7	8.9	9.1	9.2	9.4	9.6	9.8	10.2	95
3.0	3.2	3.2	3.3	3.4	3.4	3.5	3.6	3.6	3.7	3.8	3.9	4.0	
16.7	17.2	17.5	17.6	17.9	18.1	18.3	18.6	18.8	19.0	19.2	19.5	20.0	96
6.6	6.8	6.9	6.9	7.0	7.1	7.2	7.3	7.4	7.5	7.6	7.7	7.9	
13.0	13.5	13.7	13.8	14.1	14.2	14.4	14.7	14.8	15.1	15.2	15.4	15.9	97
5.1	5.3	5.4	5.5	5.5	5.6	5.7	5.8	5.8	5.9	6.0	6.1	6.2	
51.1	52.1	52.7	53.0	53.6	54.1	54.7	55.3	55.8	56.4	56.8	57.4	58.6	98
20.1	20.5	20.7	20.9	21.1	21.3	21.5	21.8	22.0	22.2	22.4	22.6	23.1	
11.1	11.5	11.8	11.9	12.1	12.3	12.6	12.9	13.1	13.5	13.7	14.0	14.7	99
4.4	4.5	4.6	4.7	4.8	4.9	5.0	5.1	5.2	5.3	5.4	5.5	5.8	
9.9	10.3	10.6	10.8	11.1	11.3	11.7	12.0	12.3	12.6	12.9	13.3	14.2	100
3.9	4.1	4.2	4.2	4.4	4.5	4.6	4.7	4.8	5.0	5.1	5.2	5.6	
12.3	12.9	13.2	13.5	13.9	14.2	14.6	15.0	15.4	15.8	16.1	16.6	17.7	101
4.8	5.1	5.2	5.3	5.5	5.6	5.8	5.9	6.1	6.2	6.3	6.5	7.0	
13.4	14.1	14.5	14.7	15.1	15.4	15.8	16.2	16.5	16.9	17.2	17.7	18.7	102
5.3	5.6	5.7	5.8	5.9	6.1	6.2	6.4	6.5	6.7	6.8	7.0	7.3	
15.2	16.0	16.4	16.7	17.0	17.3	17.7	18.1	18.5	18.9	19.2	19.7	20.7	103
6.0	6.3	6.5	6.6	6.7	6.8	7.0	7.1	7.3	7.4	7.6	7.7	8.1	
19.1	20.1	20.5	20.7	21.1	21.4	21.8	22.2	22.5	23.0	23.3	23.7	24.6	104
7.5	7.9	8.1	8.2	8.3	8.4	8.6	8.7	8.9	9.0	9.2	9.3	9.7	
8.3	8.8	9.1	9.3	9.5	9.8	10.1	10.4	10.6	11.0	11.3	11.8	12.9	105
3.3	3.5	3.6	3.7	3.8	3.8	4.0	4.1	4.2	4.3	4.4	4.6	5.1	
14.4	14.9	15.2	15.3	15.6	15.9	16.2	16.6	16.9	17.3	17.6	18.1	19.1	106
5.7	5.9	6.0	6.0	6.2	6.2	6.4	6.5	6.6	6.8	6.9	7.1	7.5	
19.1	19.7	20.0	20.2	20.5	20.7	21.1	21.4	21.7	22.1	22.4	22.8	23.8	107
7.5	7.8	7.9	7.9	8.1	8.2	8.3	8.4	8.5	8.7	8.8	9.0	9.4	
17.5	18.1	18.5	18.7	19.0	19.2	19.6	19.9	20.2	20.6	20.9	21.4	22.5	108
6.9	7.1	7.3	7.4	7.5	7.6	7.7	7.8	7.9	8.1	8.2	8.4	8.9	

UNITS...UPPER LINES, CENTIMETERS OR KILOGRAMS...LOWER LINES, INCHES OR POUNDS

TABLE XLII

STATISTICAL SUMMARIES AND SELECTED PERCENTILES FOR ENLISTED SERIES

VARIABLE	MEAN	SE (M)	ST DEV	SE (SD)	COEF VAR	SAMPLE SIZE	SYMM ETRY	KURT OSIS
109 LIP PROTRUSION TO WALL	19.28	0.03	1.07	0.02	5.5	1357	0.64	4.01
	7.59	0.01	0.42	0.01	5.5	1357	0.64	4.01
110 MENTON TO WALL	18.18	0.03	1.12	0.02	6.2	1357	0.45	3.85
	7.16	0.01	0.44	0.01	6.2	1357	0.45	3.85
111 SAGITTAL CURVATURE	34.64	0.04	1.42	0.03	4.1	1357	0.12	3.33
	13.64	0.02	0.56	0.01	4.1	1357	0.12	3.33
112 BITRAGION-CORONAL CURVATURE	33.83	0.04	1.38	0.03	4.1	1357	0.11	3.12
	13.32	0.01	0.54	0.01	4.1	1357	0.11	3.12
113 BIOCULAR BREADTH	9.65	0.01	0.49	0.01	5.1	1357	0.00	3.03
	3.80	0.01	0.19	0.00	5.1	1357	0.00	3.03
114 BIAURICULAR BREADTH	15.76	0.03	0.96	0.02	6.1	1357	0.10	2.68
	6.21	0.01	0.38	0.01	6.1	1357	0.10	2.68
115 BITRAGION BREADTH	12.82	0.01	0.48	0.01	3.7	1357	0.12	3.14
	5.05	0.01	0.19	0.00	3.7	1357	0.12	3.14
116 BIZYGOMATIC BREADTH	12.87	0.02	0.57	0.01	4.4	1357	-0.26	3.34
	5.07	0.01	0.22	0.00	4.4	1357	-0.26	3.34
117 BIGONIAL BREADTH	10.14	0.01	0.55	0.01	5.4	1357	0.05	3.07
	3.99	0.01	0.22	0.00	5.4	1357	0.05	3.07
118 NASAL BREADTH	3.19	0.01	0.34	0.01	10.6	1357	0.62	4.02
	1.26	0.00	0.13	0.00	10.6	1357	0.62	4.02
119 LIP LENGTH	4.37	0.01	0.43	0.01	9.8	1357	0.22	3.08
	1.72	0.00	0.17	0.00	9.8	1357	0.22	3.08
120 MENTON-SUBNASALE LENGTH	5.53	0.01	0.50	0.01	9.1	1357	0.08	3.40
	2.18	0.01	0.20	0.00	9.1	1357	0.08	3.40
121 MENTON-SELLION LENGTH	10.56	0.02	0.60	0.01	5.6	1357	0.09	3.11
	4.16	0.01	0.23	0.00	5.6	1357	0.09	3.11
122 SUBNASALE-SELLION LENGTH	4.49	0.01	0.40	0.01	8.8	1357	0.19	3.69
	1.77	0.00	0.16	0.00	8.8	1357	0.19	3.69
123 EAR LENGTH	5.19	0.01	0.43	0.01	8.3	1357	-0.12	3.33
	2.04	0.00	0.17	0.00	8.3	1357	-0.12	3.33
124 EAR BREADTH	2.96	0.01	0.34	0.01	11.3	1357	-0.14	3.16
	1.17	0.00	0.13	0.00	11.3	1357	-0.14	3.16
125 GRIP STRENGTH	29.50	0.15	5.62	0.11	19.0	1357	0.34	3.29
	65.04	0.34	12.39	0.24	19.0	1357	0.34	3.29
126 WAIST HEIGHT, OVER FOUNDATION GARMENT	100.72	0.13	4.38	0.09	4.3	1123	0.16	3.02
	39.65	0.05	1.72	0.04	4.3	1123	0.16	3.02

UNITS...UPPER LINES, CENTIMETERS OR KILOGRAMS...LOWER LINES, INCHES OR POUNDS

TABLE XLII

STATISTICAL SUMMARIES AND SELECTED PERCENTILES FOR ENLISTED SERIES

PERCENTILES													VAR
1ST	5TH	10TH	15TH	25TH	35TH	50TH	65TH	75TH	85TH	90TH	95TH	99TH	NO
17.1	17.7	18.0	18.2	18.5	18.8	19.2	19.6	19.9	20.3	20.7	21.2	22.2	109
6.7	7.0	7.1	7.2	7.3	7.4	7.5	7.7	7.8	8.0	8.1	8.3	8.8	
15.7	16.5	16.8	17.1	17.4	17.7	18.1	18.5	18.8	19.3	19.6	20.1	21.2	110
6.2	6.5	6.6	6.7	6.9	7.0	7.1	7.3	7.4	7.6	7.7	7.9	8.4	
31.3	32.3	32.8	33.2	33.7	34.1	34.6	35.1	35.5	36.1	36.4	37.0	38.3	111
12.3	12.7	12.9	13.1	13.3	13.4	13.6	13.8	14.0	14.2	14.3	14.6	15.1	
30.7	31.6	32.1	32.4	32.9	33.3	33.8	34.3	34.7	35.3	35.6	36.2	37.3	112
12.1	12.4	12.6	12.8	12.9	13.1	13.3	13.5	13.7	13.9	14.0	14.2	14.7	
8.4	8.9	9.0	9.2	9.3	9.5	9.6	9.8	10.0	10.2	10.3	10.5	10.8	113
3.3	3.5	3.6	3.6	3.7	3.7	3.8	3.9	3.9	4.0	4.1	4.1	4.3	
13.9	14.2	14.5	14.7	15.1	15.4	15.8	16.2	16.4	16.8	17.0	17.3	18.0	114
5.5	5.6	5.7	5.8	5.9	6.1	6.2	6.4	6.5	6.6	6.7	6.8	7.1	
11.7	12.0	12.2	12.3	12.5	12.6	12.8	13.0	13.1	13.3	13.4	13.6	14.0	115
4.6	4.7	4.8	4.9	4.9	5.0	5.0	5.1	5.2	5.2	5.3	5.4	5.5	
11.3	11.9	12.1	12.3	12.5	12.7	12.9	13.1	13.3	13.4	13.6	13.8	14.2	116
4.5	4.7	4.8	4.8	4.9	5.0	5.1	5.2	5.2	5.3	5.3	5.4	5.6	
8.9	9.2	9.4	9.6	9.8	9.9	10.1	10.3	10.5	10.7	10.8	11.1	11.5	117
3.5	3.6	3.7	3.8	3.8	3.9	4.0	4.1	4.1	4.2	4.3	4.4	4.5	
2.5	2.7	2.8	2.8	3.0	3.0	3.2	3.3	3.4	3.5	3.6	3.8	4.2	118
1.0	1.0	1.1	1.1	1.2	1.2	1.2	1.3	1.3	1.4	1.4	1.5	1.7	
3.4	3.7	3.8	3.9	4.1	4.2	4.3	4.5	4.6	4.8	4.9	5.1	5.4	119
1.4	1.5	1.5	1.5	1.6	1.6	1.7	1.8	1.8	1.9	1.9	2.0	2.1	
4.3	4.7	4.9	5.0	5.2	5.3	5.5	5.7	5.8	6.0	6.2	6.4	6.8	120
1.7	1.8	1.9	2.0	2.1	2.1	2.2	2.2	2.3	2.4	2.4	2.5	2.7	
9.1	9.6	9.8	10.0	10.2	10.3	10.5	10.8	11.0	11.2	11.3	11.6	12.0	121
3.6	3.8	3.9	3.9	4.0	4.1	4.2	4.2	4.3	4.4	4.5	4.6	4.7	
3.6	3.8	4.0	4.1	4.2	4.3	4.5	4.6	4.7	4.9	5.0	5.1	5.6	122
1.4	1.5	1.6	1.6	1.7	1.7	1.8	1.8	1.9	1.9	2.0	2.0	2.2	
4.1	4.5	4.6	4.8	4.9	5.0	5.2	5.4	5.5	5.6	5.7	5.9	6.2	123
1.6	1.8	1.8	1.9	1.9	2.0	2.0	2.1	2.2	2.2	2.3	2.3	2.4	
2.1	2.4	2.5	2.6	2.7	2.8	3.0	3.1	3.2	3.3	3.4	3.5	3.7	124
0.8	0.9	1.0	1.0	1.1	1.1	1.2	1.2	1.3	1.3	1.3	1.4	1.5	
18.0	20.8	22.5	23.7	25.6	27.1	29.2	31.4	33.0	35.2	36.8	39.2	44.2	125
39.6	45.9	49.7	52.3	56.4	59.8	64.4	69.2	72.9	77.7	81.0	86.3	97.5	
91.1	93.7	95.1	96.2	97.7	99.0	100.6	102.3	103.6	105.2	106.4	108.1	111.4	126
35.9	36.9	37.5	37.9	38.5	39.0	39.6	40.3	40.8	41.4	41.9	42.5	43.9	

UNITS...UPPER LINES, CENTIMETERS OR KILOGRAMS...LOWER LINES, INCHES OR POUNDS

TABLE XLII

STATISTICAL SUMMARIES AND SELECTED PERCENTILES FOR ENLISTED SERIES

	VARIABLE	MEAN	SE (M)	ST DEV	SE (SD)	COEF VAR	SAMPLE SIZE	SYMM ETRY	KURT OSIS
127	ABDOMINAL EXTENSION HEIGHT,	92.88	0.13	4.26	0.09	4.6	1123	0.14	3.00
	OVER FOUNDATION GARMENT	36.57	0.05	1.68	0.04	4.6	1123	0.14	3.00
128	WAIST CIRCUMFERENCE, OVER	65.56	0.14	4.67	0.10	7.1	1123	0.90	4.61
	FOUNDATION GARMENT	25.81	0.05	1.84	0.04	7.1	1123	0.90	4.61
129	ABDOMINAL EXTENSION CIRCUMFER-	86.40	0.19	6.52	0.14	7.6	1123	0.57	4.15
	ENCE OVER FOUNDATION GARMENT	34.02	0.08	2.57	0.05	7.6	1123	0.57	4.15
130	HIP CIRCUMFERENCE-SEVEN INCHES	92.99	0.15	5.13	0.11	5.5	1123	0.56	4.53
	BELOW WAIST, OVER FOUNDATION	36.61	0.06	2.02	0.04	5.5	1123	0.56	4.53
131	HIP CIRCUMFERENCE-NINE INCHES	94.62	0.16	5.45	0.11	5.8	1123	0.27	3.82
	BELOW WAIST, OVER FOUNDATION	37.25	0.06	2.15	0.05	5.8	1123	0.27	3.82
132	WAIST BREADTH, OVER	21.16	0.05	1.74	0.04	8.2	1123	0.65	3.77
	FOUNDATION GARMENT	8.33	0.02	0.69	0.01	8.2	1123	0.65	3.77
133	HIP BREADTH, OVER	33.40	0.06	2.01	0.04	6.0	1123	0.30	3.48
	FOUNDATION GARMENT	13.15	0.02	0.79	0.02	6.0	1123	0.30	3.48
134	WAIST DEPTH, OVER	15.37	0.05	1.58	0.03	10.3	1123	1.09	6.09
	FOUNDATION GARMENT	6.05	0.02	0.62	0.01	10.3	1123	1.09	6.09
135	ABDOMINAL EXTENSION DEPTH,	19.39	0.06	2.14	0.05	11.0	1123	0.89	5.08
	OVER FOUNDATION GARMENT	7.64	0.03	0.84	0.02	11.0	1123	0.89	5.08
136	BUTTOCK DEPTH, OVER	21.29	0.05	1.74	0.04	8.2	1123	0.62	4.60
	FOUNDATION GARMENT	8.38	0.02	0.68	0.01	8.2	1123	0.62	4.60
137	BUTTOCK CIRCUMFERENCE, SIT-	98.69	0.16	5.45	0.12	5.5	1123	0.59	4.63
	TING, OVER FOUNDATION GARMENT	38.86	0.06	2.15	0.05	5.5	1123	0.59	4.63
138	THIGH-TO-THIGH BREADTH, SIT-	36.86	0.07	2.44	0.05	6.6	1123	0.32	3.52
	TING, OVER FOUNDATION GARMENT	14.51	0.03	0.96	0.02	6.6	1123	0.32	3.52
139	STATURE AS REPORTED	164.36	0.16	6.06	0.12	3.7	1356	0.24	2.76
	BY SUBJECTS	64.71	0.06	2.38	0.05	3.7	1356	0.24	2.76
140	WEIGHT AS REPORTED	55.94	0.18	6.68	0.13	11.9	1355	0.60	4.26
	BY SUBJECTS	123.32	0.40	14.73	0.28	11.9	1355	0.60	4.26

UNITS...UPPER LINES, CENTIMETERS OR KILOGRAMS...LOWER LINES, INCHES OR POUNDS

TABLE XLII

STATISTICAL SUMMARIES AND SELECTED PERCENTILES FOR ENLISTED SERIES

PERCENTILES													VAR
1ST	5TH	10TH	15TH	25TH	35TH	50TH	65TH	75TH	85TH	90TH	95TH	99TH	NO
83.5	86.0	87.4	88.4	89.9	91.1	92.8	94.5	95.8	97.4	98.4	100.0	102.9	127
32.9	33.9	34.4	34.8	35.4	35.9	36.5	37.2	37.7	38.3	38.8	39.4	40.5	
57.1	58.9	60.1	61.0	62.3	63.5	65.0	66.7	68.1	70.1	71.6	74.1	80.1	128
22.5	23.2	23.7	24.0	24.5	25.0	25.6	26.3	26.8	27.6	28.2	29.2	31.5	
73.2	76.5	78.5	79.8	81.9	83.6	86.0	88.4	90.3	92.9	94.7	97.6	104.1	129
28.8	30.1	30.9	31.4	32.3	32.9	33.9	34.8	35.6	36.6	37.3	38.4	41.0	
82.3	85.0	86.7	87.9	89.7	91.0	92.8	94.6	95.9	97.7	99.1	101.5	107.6	130
32.4	33.5	34.1	34.6	35.3	35.8	36.5	37.2	37.8	38.5	39.0	39.9	42.4	
82.1	85.7	87.8	89.1	91.1	92.6	94.6	96.5	97.9	99.8	101.2	103.5	109.1	131
32.3	33.8	34.6	35.1	35.9	36.5	37.2	38.0	38.6	39.3	39.9	40.8	43.0	
17.9	18.6	19.1	19.4	19.9	20.4	21.0	21.7	22.2	23.0	23.5	24.3	26.1	132
7.0	7.3	7.5	7.6	7.8	8.0	8.3	8.5	8.8	9.0	9.3	9.6	10.3	
28.9	30.3	30.9	31.4	32.0	32.6	33.3	34.1	34.7	35.5	36.0	36.9	38.7	133
11.4	11.9	12.2	12.4	12.6	12.8	13.1	13.4	13.7	14.0	14.2	14.5	15.2	
12.4	13.0	13.5	13.8	14.3	14.7	15.2	15.8	16.2	16.8	17.3	18.1	20.6	134
4.9	5.1	5.3	5.4	5.6	5.8	6.0	6.2	6.4	6.6	6.8	7.1	8.1	
15.3	16.3	16.9	17.3	18.0	18.5	19.2	20.0	20.6	21.4	22.0	23.2	26.0	135
6.0	6.4	6.6	6.8	7.1	7.3	7.6	7.9	8.1	8.4	8.7	9.1	10.3	
17.8	18.6	19.1	19.5	20.1	20.6	21.2	21.9	22.3	23.0	23.4	24.2	26.1	136
7.0	7.3	7.5	7.7	7.9	8.1	8.4	8.6	8.8	9.0	9.2	9.5	10.3	
87.2	90.1	92.0	93.3	95.1	96.6	98.5	100.4	101.8	103.8	105.2	107.7	114.1	137
34.3	35.5	36.2	36.7	37.5	38.0	38.8	39.5	40.1	40.8	41.4	42.4	44.9	
31.6	33.0	33.8	34.3	35.2	35.9	36.8	37.7	38.4	39.3	40.0	41.0	43.2	138
12.5	13.0	13.3	13.5	13.9	14.1	14.5	14.9	15.1	15.5	15.7	16.1	17.0	
152.0	154.8	156.6	157.9	160.0	161.8	164.2	166.8	168.7	171.1	172.7	174.9	178.5	139
59.8	61.0	61.7	62.2	63.0	63.7	64.7	65.7	66.4	67.4	68.0	68.9	70.3	
42.6	45.5	47.6	49.1	51.3	53.1	55.5	57.9	59.8	62.2	64.1	67.0	74.3	140
94.0	100.4	104.9	108.1	113.1	117.1	122.4	127.7	131.8	137.2	141.2	147.8	163.8	

UNITS...UPPER LINES, CENTIMETERS OR KILOGRAMS...LOWER LINES, INCHES OR POUNDS

APPENDIX I

THE DATA BLANK

No. 0000 USAF FEMALE ANTHROPOMETRIC SURVEY BLANK----1968

(Please print all requested information)

Name _____ Date _____
(Last) (First) (Middle)

Rank _____ Location _____

Serial Number _____ Command _____

AFSC _____ Specific Duty _____

Age _____ Birthdate _____
(Last Birthday) (Year) (Month) (Day)

Race _____ Age First Menstruation _____
(Years)

Marital Status _____ Serial Number _____
(Single) (Married) (Divorced)

Blood Type (A[1], B[2], AB[3], O[4]) RH Factor (Neg[1], Pos[2])
(Circle the appropriate symbol) (Circle the appropriate symbol)

Birthplace, Subject _____ Birthplace, Father _____
State (Country if other than USA) State (Country if other than USA)

Birthplace, Mother _____ Handedness (R[1], L[2], A[3])
State (country if other than USA) (Circle the appropriate symbol)

Estimated Nude Stature _____ Estimated Nude Weight _____
(inches) (pounds)

-Card 2-

1. Stature . . . . . __ __ __
2. Stature-Maximum . . __ __ __
3. Cervicale Height . __ __ __
4. Acromiale Height . __ __ __
5. Suprasternale Ht . __ __ __
6. Bust Level Height __ __ __
7. Waist Height . . . __ __ __
8. Abdominal Exten Ht __ __ __
9. Trochanteric Height __ __ __
10. Buttock Height . . __ __ __
11. Gluteal Furrow Ht. __ __ __
12. Tibiale Height . . __ __ __
13. Crotch Height* . . __ __ __
14. Ankle Height . . . __ __ __
15. Lateral Malleolus Ht. __ __ __
16. Foot Length . . . . . __ __ __
17. Foot Breadth. . . . . __ __ __
18. Ankle Circumference . __ __ __
19. Calf Circ, Right. . . __ __ __
20. Knee C/Mid-Patella. . __ __ __

-Card 3-

21. Upper Thigh Circ. . . __ __ __
22. Calf Circ, Left . . . __ __ __
23. Waist Circumference . __ __ __
24. Abdominal Exten Circ. __ __ __
25. Hip Circumference-7 . __ __ __
26. Hip Circumference-9 . __ __ __

No. 0000 USAF FEMALE ANTHROPOMETRIC SURVEY BLANK----1968

27. Butt-Popliteal Lgth ___
28. Buttock Knee Length ___
29. Popliteal Height* . ___
30. Thigh Clearance . . ___
31. Sitting Ht,Slumped. ___
32. Sitting Ht, Erect . ___
33. Mid-Shoulder Height ___
34. Eye Height, Seated. ___
35. Waist Ht, Seated. . ___
36. Elbow Rest Height* . ___
37. Biacromial Breadth. ___
38. Bideltoid Breadth . ___
39. Thigh-Thigh Brd, Seat ___
40. Humerus Brd, Right. ___

-Card 4-

41. Humerus Brd, Left . ___
42. Femur Brd, Left . . ___
43. Femur Brd, Right. . ___
44. Chest Breadth . . . ___
45. Waist Breadth . . . ___
46. Hip Breadth . . . . ___
47. Buttock Depth . . . ___
48. Abdominal Exten-Depth ___
49. Waist Depth . . . . ___
50. Chest Depth . . . . ___
51. Internipple Breadth ___
52. Acrom-Radiale Length ___
53. Rad-Stylion Length. ___
54. Thumb Tip Reach . . ___
55. Thumb Tip Reach/Extd ___
56. Overhead Reach$^{\Psi}$ . . ___

57. Shoulder Circ . . . . ___
58. Chest Circ, Scye. . . ___
59. Bust Circumference. . ___
60. Chest Circ,Below Bust ___

-Card 5-

61. Scye Circumference. . ___
62. Axillary Circ . . . . ___
63. Biceps C/Right,Relaxed ___
64. Forearm C, Relaxed. . ___
65. Wrist Circumference . ___
66. Hand Circumference . ___
67. Sleeve Inseam . . . . ___
68. Biceps C/Right,Flexed ___
69. Elbow Circ, Flexed. . ___
70. Forearm C, Flexed . . ___
71. Biceps C/Left,Relaxed ___
72. Biceps C/Left,Flexed. ___
73. SL: Spine-Scye. . . . ___
74. SL: Spine-Elbow . . . ___
75. SL: Spine-Wrist . . . ___
76. Back Curvature. . . . ___
77. Interscye . . . . . ___
78. Interscye Maximum . . ___
79. Waist Back. . . . . ___
80. Shoulder Length . . . ___

-Card 6-

81. Neck To Bust. . . . . ___
82. Strap Length. . . . . ___
83. Waist Front . . . . . ___
84. Vertical Trunk Circ . ___
85. Vert Trunk C/Seated . ___
86. Buttock C/Seated. . . ___

No. 0000 USAF FEMALE ANTHROPOMETRIC SURVEY BLANK----1968

87. Vertex-to-Tragion. . ___
88. Vertex-to-Ex Canthus ___
89. Vertex-to-Pronasale. ___
90. Vertex-to-Subnasale. ___
91. Vertex-to-Stomion. . ___
92. Vertex-to-Menton . . ___
93. Wall-to-Tragion. . . ___
94. Wall-to-Ex Canthus . ___
95. Wall-to-Pronasale. . ___
96. Wall-to-Subnasale. . ___
97. Wall-Lip Protrusion. ___
98. Wall-to-Menton . . . ___
99. Head Circumference . ___
100. Sagittal Arc . . . . ___

-Card 7-

101. Bitrag-Coronal Arc . ___
102. Neck Circumference . ___
103. Head Length. . . . . ___
104. Head Breadth . . . . ___
105. Bi-Auricular Brd . . ___
106. Bitragion Diameter . ___
107. Bizygomatic Diameter ___
108. Bigonial Diameter. . ___
109. Biocular Diameter. . ___
110. Nasal Breadth. . . . ___
111. Lip Length . . . . . ___
112. Menton-Subnas Lgth . ___
113. Menton-Nasal Root Lth ___
114. Subnas-N Root Dep Lth ___
115. Ear Length . . . . . ___
116. Ear Breadth. . . . . ___
117. Hand Length. . . . . ___
118. Hand Breadth . . . . ___
119. Weight . . . . . ___
120. Grip Strength. . . . . ___

-Card 8-

121. Skinfold:Triceps . . . ___
122. Skinfold:Subscapular . ___
123. Skinfold:Suprailiac. . ___
124. Skinfold:Medial Calf . ___
(Over Foundation Garment$^{\Omega}$)
125. Abdominal Ext Height. ___
126. Waist Height. . . . . ___
127. Waist Breadth . . . . ___
128. Hip Breadth . . . . . ___
129. Buttock Depth . . . . ___
130. Abdominal Ext Depth . ___
131. Waist Depth . . . . . ___
132. Waist Circumference . ___
133. Abdominal Extension C ___
134. Hip Circumference-7 . ___
135. Hip Circumference-9 . ___
136. Buttock Circ, Seated. ___
137. Hip Breadth, Seated . ___
138. ___
139. ___
140. ___

---

*One cm is to added to the recorded values for;
13 Crotch Height
29 Popliteal Height
36 Elbow Rest Height

$^{\Psi}$1.5 m to be added to;
56 Overhead Reach

$^{\Omega}$Type of Foundation Garment

_____

APPENDIX II

BODY DENSITY AND ESTIMATED BODY FAT

BODY DENSITY AND ESTIMATED PERCENT OF BODY FAT

It has been within only the last few years that studies have been made of the body density and amount of body fat of U.S. women. The pioneer work by Chen, 1953, remained the primary source of such data until the late 1950's. At that time, Allen (1959), Sloan (1961), and Young (1963) began their extensive studies of women's body composition. The more recent studies are those by Kindig (1967), Katch and Michael (1968), and Wilmore (1969). A summary of the data obtained by these investigators and in this study is presented in table XLIII.

By conducting a portion of the anthropometric survey in the San Antonio, Texas area, the opportunity was provided for obtaining body density data for 95 women who served as subjects in the survey. The body density study was made possible through the cooperation and use of the facilities of the Physiology Branch, School of Aerospace Medicine, Brooks Air Force Base, Texas. Dr. T. H. Allen, Chief of the Physiology Division, made available his laboratory, and Mr. Clarence Theis made the residual lung volume determinations. The body volumeter used (figure 5) was designed by Dr. Allen and has been described by him in detail (1960). The device is one in which a subject totally submerges in the calibrated volumeter, forcefully expels her breath, and the water displaced is noted on a sight glass. After three such trials, the subject leaves the volumeter and the residual lung volume is determined twice by nitrogen washout (Wilmore, 1969). The data sheet used for this study is reproduced as figure 6.

The items on the data sheet are largely self-explanatory; however, a few entries require some comment. Item 8, the mean residual lung volume was calculated to the nearest milliliter. Null point (item 9) is the sight glass reading of the volumeter before the subject enters the water and 'e' (item 10) is the three readings of the sight glass with the subject fully submerged and lungs forcefully emptied. The three readings are averaged and the arithmetic mean used in the calculation of total body volume.

The data for items 11 through 15 were computed as follows:

$$Ce = e - \text{null value}$$

$$Ve \text{ (liters)} = Ce \times k$$

where k is the constant .2527 which represents the calibrated tank volume per mm on the scale of the sight glass.

$$\text{Volume (liters)} = Ve - (Vr + f + m)$$

where Vr is residual lung volume, f is a constant (.111) for gas in the intestinal tract* and m is a constant (.029) for the volume of the garment worn by the subjects during volume determination.

$$\text{Mass (kg)} = \text{Body Weight} - (n + p)$$

where n and p are constants (.095) and (.033) representing average values for the garments worn by the subjects during weighing.

$$\text{Fat (kg)} = 4.878 \text{ Volume} - 4.415 \text{ mass}^{**}$$

$$\text{Lean Body Mass (kg)} = \text{Mass} - \text{Fat}$$

$$\text{Fat/Mass Radio (\%)} = \text{Fat (kg)} / \text{Mass (kg)}$$

*Greenwald, *et. al.* (1969)

**See Allen 1963.

Figure 5. Body Volumeter

The skinfold dimensions were measured in the same way as those described for the total survey. Summary statistics for the measured and computed variables are given in table XLIV.

The subsample is seen to be somewhat taller (2.28 cm) and lighter (1.19 kg) than the total female survey population. Approximately 2 cm of the difference in stature is probably due to a difference in measuring technique. The subsample was measured using a wall mounted stadia which can add as much as 2 cm to stature measured with the subject free standing (Damon, 1964). The difference in weight does not appear to be an artifact of measuring technique and is in part substantiated by the slightly lower mean skinfolds for the subsample. The subsample, in general body size, appears to reflect adequately the anthropometric survey population.

The subsample was divided into three age categories to facilitate comparison with density data from other studies. The significant data for each age group are given in table XLIII. It is difficult to make meaningful comparisons, as the various investigations illustrated in this table involve some differences in technique and the samples vary considerably in composition

USAF FEMALE ANTHROPOMETRIC SURVEY BLANK - 1968

- Supplement #1, Body Density -

Subject No.[1] _____

Name[2] _____ Serial No.[3] _____ Date[4] _____

Age[5] _____ Stature[6] _____ Weight[7] _____

Residual Lung Vol.[8] _____

Null Point[9] _____

e[10] _____

Vol of H_2O Displaced by Body[11] _____

RESULTS

Fat[12] _____

Lean[13] _____

Fat/Lean Ratio[14] _____

Fat/Mass Ratio[15] _____

SKINFOLDS

Triceps[16] _____

Subscapula[17] _____

*MAL (x)[18] _____

Suprailiac[19] _____

**JU[20] _____

Thigh[21] _____

Calf[22] _____

* Mid-axillary line at level of xyphoid process.
** Juxta umbilicus.

Figure 6. Body Density Data Blank

TABLE XLIII

BODY DENSITY AND ESTIMATED BODY FAT OF U. S. WOMEN

Investigator	*n*	*Age Range*	*Age*	*Height (cm)*	*Weight (kg)*	*Density (gm/cc)*	*Fat (% of mass)*
Chen, '53	25	18-30	24.4 (4.55) †	162.2 (5.14)	55.44 (6.42)	1.0458 (.0099) *	26.11 (5.07) [a]
	19	31-45	39.6 (3.55)	163.3 (7.54)	60.74 (7.14)	1.0336 (.0083) *	32.39 (4.81) [a]
	21	>46	55.5 (6.12)	160.0 (6.51)	60.89 (10.69)	1.0224 (.0132) *	38.31 (7.07) [a]
Sloan et al. '61	50	17-25	20.2 (1.7)	165.0 (6.9)	55.5 (5.9)	1.0467 (.0122)	22.13 (7.08) [a]
Young '63	94	16-30	20.4 (1.95)	167.5 (6.03)	59.0 (6.45)	1.0342 (.0094)	28.69 (4.86) [a]
	26	30-40	35.1 (2.48)	164.9 (6.85)	59.6 (8.51)	1.0343 (.0143)	28.75 (7.33) [a]
	27	40-50	44.7 (2.54)	163.1 (4.30)	63.2 (7.37)	1.0218 (.0105)	35.33 (5.70) [a]
Kindig '67	99	17-26	19.4 (1.44)	163.1 (11.7)	56.4 (7.5)	1.031 (.019)	31.0 (10.0) [a]
Krzywicki et al. '67 Army Women**	14	17-19	—		60.8 (7.4)	1.045 (0.018)	26.3 (8.8) [b]
	19	20-24	—	—	62.5 (8.4)	1.038 (0.021)	30.4 (9.5) [b]
	3	25-29	—	—	59.4 (4.5)	1.032 (0.023)	31.9 (1.9) [b]
Katch & Michael '68	64	19-23	—	165.9 (7.78)	58.38 (6.7)	1.049 (.011)	21.5 (5.7) [c]
Wilmore '69	128	—	21.4 (3.76)	164.9 (6.61)	58.58 (7.14)	1.041 (.010)	25.73 (4.5) [d]
USAF Women '68	55	<25	20.33 (1.49)	164.1 (7.54)	55.77 (7.76)	1.034 (.014)	27.91 (5.87)
	18	25-29	26.67 (1.15)	165.2 (6.19)	57.46 (6.05)	1.026 (.009)	31.37 (4.06)
	22	>29	33.91 (3.23)	164.3 (7.09)	57.69 (7.14)	1.027 (.012)	30.78 (5.16)

†Mean (SD)

*Reported as specific gravity

**Women > 30 years of age not included here

[a]Rathbun and Pace, 1945, where body fat (%) = 100 (5.548/specific gravity) − 5.044

[b]Allen et. al. 1960, where body fat = [4.834/density − 4.336] • 100

[c]Brozek, 1963, body fat = (4.570/density − 4.142) • 100

[d]Siri, 1961, body fat = (4.95/density − 4.50) • 100

as to age and body size. The table does show a trend towards corresponding decrease in body density with age. The desirability of additional research on women's body density is clearly illustrated by these data.

TABLE XLIV

BODY DIMENSIONS AND DENSITY OF DENSITY-STUDY SAMPLE*

Variable Name	*Range*	*Mean (SE)*	*SD (SE)*	*V*
Age (years)	18 – 46	24.67 (0.61)	5.95 (0.43)	24.11
Stature (cm)	149.0 –185.8	164.38 (0.74)	7.21 (0.52)	4.39
Weight (kg)	44.000– 78.370	56.537 (0.756)	7.374 (0.535)	13.04
Residual Lung Vol. (l)	.606– 1.900	1.077 (0.026)	0.262 (0.019)	24.29
Mass (kg)	43.827– 78.242	56.406 (0.756)	7.374 (0.535)	13.04
Volume (l)	41.947– 76.125	54.753 (0.751)	7.320 (0.531)	13.37
Density (gm/ml)	0.997– 1.061	1.031 (0.001)	0.013 (0.001)	1.27
Fat (kg)	9.4 – 29.5	118.04 (0.45)	4.43 (0.32)	24.53
Lean Body Mass (kg)	26.5**– 53.3	38.37 (0.56)	5.45 (0.40)	14.20
Fat/Mass Ratio (%)	18.2 – 48.0	31.82 (0.62)	6.01 (0.44)	18.89
Triceps Skinfold (mm)	7.2 – 30.0	17.41 (0.50)	4.91 (0.36)	28.21
Subscapular Skinfold (mm)	5.4 – 31.2	12.35 (0.45)	4.34 (0.31)	35.31
MALX Skinfold (mm)	3.4 – 25.4	11.12 (0.50)	4.88 (0.35)	43.93
Suprailiac Skinfold (mm)	5.0 – 36.0	17.55 (0.67)	6.55 (0.48)	37.33
JU Skinfold (mm)	5.2 – 36.4	22.14 (0.76)	7.43 (0.54)	33.54
Thigh Skinfold (mm)	14.2 – 39.0	25.33 (0.64)	6.27 (0.45)	24.76
Calf Skinfold (mm)	2.4 – 25.8	14.06 (0.47)	4.54 (0.33)	32.28

*n = 95

**Philippine student nurse of small stature

APPENDIX III

DEFINITIONS AND DERIVATIONS OF CORRELATION AND REGRESSION CONCEPTS

DEFINITIONS AND DERIVATIONS OF CORRELATION AND REGRESSION CONCEPTS

EVALUATING CORRELATION COEFFICIENTS

It is important in interpreting correlation coefficients to have some basis for judging whether correlation coefficients are meaningfully large or not. There is much truth in the often made statement that such judgments can be made only in context. Nevertheless some generalizations may be useful. We can start with a three-point scale: first $r = 0$ means no correlation, individuals above average on one trait are as likely to be below average on the second as they are to be above average. Next, $r = 0.5$ corresponds roughly to the correlation, for adult women, between stature and weight, or the correlation between mother and daughter in adult height, or the correlation between child and parent in intelligence. Presumably we all have some feeling for how intense these relationships are, and a restatement of the phrase "$r = 0.6$" into "the correlation is a little higher than the correlation for stature and weight" may sometimes be helpful. Finally, $r = 1.0$ means a perfect, exact relationship. If a correlation is equal to unity, the regression equation estimates are entirely accurate.

Another approach is to consider each woman as being categorized on the basis of whether she is below or above the median value on each of a pair of variables:

		Variable: Below Median	Variable: Above Median
Variable	Above Median	B	A
	Below Median	A	B

If we designate as A the number of women who are above the median of both variables, and as B the number who are below the median on the first variable and above it on the second, the correlation coefficient will equal, approximately,

$$\frac{A - B}{A + B}$$

If in a group of 200 women we find 75 above the median with respect to both of a pair of variables, and 25 below the median on the first and above the median on the second, thus giving the tabular values:

	−	+
+	25	75
−	75	25

we can estimate the correlation between these two variables, for this group of women as

$$\frac{75-25}{75+25} = \frac{50}{100} = 0.50$$

Restated, this formula suggests that of 100 women who are above average on the first variable the following numbers will be above average on the second as well:

if r = 0.10, about 55
if r = 0.20, about 60
if r = 0.30, about 65
if r = 0.40, about 70
if r = 0.50, about 75
if r = 0.60, about 80
if r = 0.70, about 85
if r = 0.80, about 90
if r = 0.90, about 95

This approximation should be considered primarily as a basis for interpreting the correlation coefficient and not as a basis for calculating it. The approximation will be reasonably good for data which fit the normal distribution pattern.

THE DERIVATION OF THE SIMPLE REGRESSION EQUATION

We assume that, having a set of N ordered pairs of values, Y_i and X_i, we wish to derive an equation of the form

$$Y^1 = a + bX$$

that is, we wish to determine the values a and b such that

$$SQ = \Sigma(Y_i^1 - Y_i)^2 = \Sigma(a + bX_i - Y_i)^2$$

is a minimum.

The simplest evalution of a and b requires the use of a little differential calculus, but this evaluation can be carried out without calculus in the following fashion: (we shall omit the subscripts to simplify the writing of the equations)

$$\text{Let: } V = Y - \overline{Y} \qquad Y = V + \overline{Y}$$
$$W = X - \overline{X} \qquad X = W + \overline{X}$$

Then

$$SQ = \Sigma(V + \overline{Y} - a - bW - b\overline{X})^2$$
$$= \Sigma(V - c - bW)^2$$

where

$$c = a + b\overline{X} - \overline{Y}$$

Expanding the square, we get:

$$SQ = \Sigma(V^2 + c^2 + b^2W^2 - 2cV - 2bVW + 2cbW)$$
$$= \Sigma\ V^2 + Nc^2 + b^2\Sigma W^2 - 2c\Sigma V - 2b\Sigma VW + 2cb\Sigma W$$

Since $\Sigma V = \Sigma W = 0$,

$$SQ = \Sigma V^2 + Nc^2 + b^2\Sigma W^2 - 2b\Sigma VW$$

Since c appears only in the term Nc^2, the smaller c^2, the smaller the value of SQ. Hence, the minimum value of c^2, that is, zero, is the proper one.

Adding and subtracting $(\Sigma VW)^2/\Sigma W^2$ we get

$$SQ = \Sigma V^2 + \left(b^2\Sigma W^2 - 2b\Sigma VW + \frac{(\Sigma VW)^2}{\Sigma W^2}\right) - \frac{(\Sigma VW)^2}{\Sigma W^2}$$

$$= \Sigma V^2 - \frac{(\Sigma VW)^2}{\Sigma W^2} + \left(b\sqrt{\Sigma W^2} - \frac{\Sigma VW}{\sqrt{\Sigma W^2}}\right)^2$$

Clearly the value of b which will make SQ a minimum is the one which makes the square term equal to zero, that is:

$$b = \frac{\Sigma VW}{\Sigma W^2}$$

Hence the desired equation is given by:

$$b = \frac{\Sigma VW}{\Sigma W^2} = \frac{\Sigma(X - \bar{X})\ (y - \bar{y})}{\Sigma(X - \bar{X})^2}$$

$$c = o \qquad a = -b\bar{X} + \bar{Y}$$

To derive this formula by the use of calculus, we again set $SQ = \Sigma(Y_i - a - bX_i)^2$. For a minimum value of SQ, $\frac{\delta SQ}{\delta a}$ and $\frac{\delta SQ}{\delta b}$ should be zero.

Thus: $$\frac{\delta SQ}{\delta a} = -2\ (\Sigma Y_i - aN - b\Sigma X_i)$$

$$\frac{\delta SQ}{\delta b} = -2\ (\Sigma Y_i X_i - a\Sigma X_i - b\Sigma X_i^2)$$

which, set to zero give:

$$aN + b\Sigma X_i = \Sigma Y_i$$

$$a\Sigma X_i + b\Sigma X_i^2 = \Sigma X_i Y_i$$

Hence, $$a = \frac{\begin{vmatrix} \Sigma Y_i & \Sigma X_i \\ \Sigma X_i Y_i & \Sigma X_i^2 \end{vmatrix}}{\begin{vmatrix} N & \Sigma X_i \\ \Sigma X_i & \Sigma X_i^2 \end{vmatrix}} = \frac{\Sigma Y_i\, \Sigma X_i^2 - \Sigma X_i\, \Sigma X_i Y_i}{N\Sigma X_i^2 - (\Sigma X_i)^2}$$

$$b = \frac{\begin{vmatrix} N & \Sigma Y_i \\ \Sigma X_i & \Sigma X_i Y_i \end{vmatrix}}{D} = \frac{N\Sigma X_i Y_i - \Sigma X_i\, \Sigma Y_i}{N\Sigma X_i^2 - (\Sigma X_i)^2}$$

which, a little algebraic juggling will show, is the same as the result previously obtained. The importance of this second derivation is that it can be directly extended to the deviation of multiple regression equations involving any number of predictor variables.

THE RELATIONSHIP BETWEEN THE CORRELATION COEFFICIENT AND THE REGRESSION EQUATION

From the first derivation in the previous paragraph, the sum of the squared deviations from the optimum regression line was found to be: $SQ_{min} = \Sigma V^2 - (\Sigma VW)^2/\Sigma W^2$

By the definition of V, $\Sigma V^2 = N \cdot SD_y^2$, so that

$$SQ_{min} = \Sigma V^2 \left(1 - (\Sigma VW)^2/(\Sigma V^2 \cdot \Sigma W^2)\right)$$

$$= NSD_y^2 \left(1 - \frac{(\Sigma VW)^2}{\Sigma V^2 \cdot \Sigma W^2}\right)$$

Which suggests the definition:

$$r^2 = \frac{(\Sigma V W)^2}{\Sigma V^2 W^2}$$

Note that this definition satisfies some logical demands:

One, when $r^2 = 1$, $SQ_{min} = 0$, that is the sum of the squared deviations from the regression equation is zero.

Two, when $r^2 = 0$, the sum of the squared deviations from the regression equation equal $N \cdot SD_y^2$, and is, therefore, as large as the sum of the deviations from the mean value. This result is not surprising since in this case the regression equation is simply

$$Y^1 = \overline{Y}$$

Stated in terms of X and Y,

$$r^2 = \frac{(\Sigma (X - \overline{X})\ (Y - \overline{Y}))^2}{\Sigma (X - \overline{X})^2 \cdot \Sigma (Y - \overline{Y})^2}$$

There are numerous equivalent forms in which this can be written, such as

$$r^2 = \left(\frac{\frac{1}{N}\Sigma XY - \overline{X}\,\overline{Y}}{SD_x\, SD_y}\right)^2$$

The value of r itself is conventionally given the sign of the numerator as written here:

$$r = \frac{\frac{1}{N}\Sigma XY - \overline{X}\,\overline{Y}}{SD_x \cdot SD_y}$$

We may now write the regression equation in one of its familiar forms:

$$Y^1 = r \cdot \frac{SD_y}{SD_x} (X - \overline{X}) + \overline{Y}$$

Note that the formula for the correlation coefficient is unchanged if we interchange X and Y. Thus the correlation of X with Y is the same as that of Y with X.

THE STANDARD ERROR OF ESTIMATE

This, we define, as the root-mean-square deviation from the regression line, that is:

$$\text{Standard error of estimate} = \sqrt{\frac{SQ_{min}}{N}}$$

$$= SD_y \sqrt{1-r^2}$$

Values of $\sqrt{1-r^2}$, known as the coefficient of alienation, are given in table XLV for several values of r.

TABLE XLV

COEFFICIENT OF ALIENATION--COEFFICENT OF CORRELATION EQUIVALENCES

	.000	.001	.002	.003	.004	.005	.006	.007	.008	.009
.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
.01	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
.02	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
.03	1.00	1.00	.999	.999	.999	.999	.999	.999	.999	.999
.04	.999	.999	.999	.999	.999	.999	.999	.999	.999	.999
.05	.999	.999	.999	.999	.999	.998	.998	.998	.998	.998
.06	.998	.998	.998	.998	.998	.998	.998	.998	.998	.998
.07	.998	.997	.997	.997	.997	.997	.997	.997	.997	.997
.08	.997	.997	.997	.997	.996	.996	.996	.996	.996	.996
.09	.996	.996	.996	.996	.996	.995	.995	.995	.995	.995
.10	.995	.995	.995	.995	.995	.994	.994	.994	.994	.994
.11	.994	.994	.994	.994	.993	.993	.993	.993	.993	.993
.12	.993	.993	.993	.992	.992	.992	.992	.992	.992	.992
.13	.992	.991	.991	.991	.991	.991	.991	.991	.990	.990
.14	.990	.990	.990	.990	.990	.989	.989	.989	.989	.989
.15	.989	.989	.988	.988	.988	.988	.988	.987	.987	.987
.16	.987	.987	.987	.987	.986	.986	.986	.986	.986	.986
.17	.985	.985	.985	.985	.985	.985	.984	.984	.984	.984
.18	.984	.983	.983	.983	.983	.983	.983	.982	.982	.982
.19	.982	.982	.981	.981	.981	.981	.981	.980	.980	.980
.20	.980	.980	.979	.979	.979	.979	.979	.978	.978	.978
.21	.978	.977	.977	.977	.977	.977	.976	.976	.976	.976
.22	.975	.975	.975	.975	.975	.974	.974	.974	.974	.973
.23	.973	.973	.973	.972	.972	.972	.972	.972	.971	.971
.24	.971	.971	.970	.970	.970	.970	.969	.969	.969	.969
.25	.968	.968	.968	.967	.967	.967	.967	.966	.966	.966
.26	.966	.965	.965	.965	.965	.964	.964	.964	.963	.963
.27	.963	.963	.962	.962	.962	.961	.961	.961	.961	.960
.28	.960	.960	.959	.959	.959	.959	.958	.958	.958	.957
.29	.957	.957	.956	.956	.956	.955	.955	.955	.955	.954
.30	.954	.954	.953	.953	.953	.952	.952	.952	.951	.951
.31	.951	.950	.950	.950	.949	.949	.949	.948	.948	.948
.32	.947	.947	.947	.946	.946	.946	.945	.945	.945	.944
.33	.944	.944	.943	.943	.943	.942	.942	.942	.941	.941
.34	.940	.940	.940	.939	.939	.939	.938	.938	.937	.937
.35	.937	.936	.936	.936	.935	.935	.934	.934	.934	.933
.36	.933	.933	.932	.932	.931	.931	.931	.930	.930	.929
.37	.929	.929	.928	.928	.927	.927	.927	.926	.926	.925
.38	.925	.925	.924	.924	.923	.923	.922	.922	.922	.921
.39	.921	.920	.920	.920	.919	.919	.918	.918	.917	.917
.40	.917	.916	.916	.915	.915	.914	.914	.913	.913	.913
.41	.912	.912	.911	.911	.910	.910	.909	.909	.908	.908
.42	.908	.907	.907	.906	.906	.905	.905	.904	.904	.903
.43	.903	.902	.902	.902	.901	.901	.900	.900	.899	.899
.44	.898	.898	.897	.897	.896	.896	.895	.895	.894	.894
.45	.893	.893	.892	.892	.891	.890	.890	.889	.889	.888
.46	.888	.887	.887	.886	.886	.885	.885	.884	.884	.883
.47	.883	.882	.882	.881	.881	.880	.879	.879	.878	.878
.48	.877	.877	.876	.876	.875	.875	.874	.873	.873	.872
.49	.872	.871	.871	.870	.869	.869	.868	.868	.867	.867

	.000	.001	.002	.003	.004	.005	.006	.007	.008	.009
.50	.866	.865	.865	.864	.864	.863	.863	.862	.861	.861
.51	.860	.860	.859	.858	.858	.857	.857	.856	.855	.855
.52	.854	.854	.853	.852	.852	.851	.850	.850	.849	.849
.53	.848	.847	.847	.846	.845	.845	.844	.844	.843	.842
.54	.842	.841	.840	.840	.839	.838	.838	.837	.836	.836
.55	.835	.835	.834	.833	.833	.832	.831	.831	.830	.829
.56	.828	.828	.827	.826	.826	.825	.824	.824	.823	.822
.57	.822	.821	.820	.820	.819	.818	.817	.817	.816	.815
.58	.815	.814	.813	.812	.812	.811	.810	.810	.809	.808
.59	.807	.807	.806	.805	.804	.804	.803	.802	.801	.801
.60	.800	.799	.798	.798	.797	.796	.795	.795	.794	.793
.61	.792	.792	.791	.790	.789	.789	.788	.787	.786	.785
.62	.785	.784	.783	.782	.781	.781	.780	.779	.778	.777
.63	.777	.776	.775	.774	.773	.773	.772	.771	.770	.769
.64	.768	.768	.767	.766	.765	.764	.763	.762	.762	.761
.65	.760	.759	.758	.757	.756	.756	.755	.754	.753	.752
.66	.751	.750	.750	.749	.748	.747	.746	.745	.744	.743
.67	.742	.741	.741	.740	.739	.738	.737	.736	.735	.734
.68	.733	.732	.731	.730	.729	.729	.728	.727	.726	.725
.69	.724	.723	.722	.721	.720	.719	.718	.717	.716	.715
.70	.714	.713	.712	.711	.710	.709	.708	.707	.706	.705
.71	.704	.703	.702	.701	.700	.699	.698	.697	.696	.695
.72	.694	.693	.692	.691	.690	.689	.688	.687	.686	.685
.73	.683	.682	.681	.680	.679	.678	.677	.676	.675	.674
.74	.673	.672	.670	.669	.668	.667	.666	.665	.664	.663
.75	.661	.660	.659	.658	.657	.656	.655	.653	.652	.651
.76	.650	.649	.648	.646	.645	.644	.643	.642	.640	.639
.77	.638	.637	.636	.634	.633	.632	.631	.630	.628	.627
.78	.626	.625	.623	.622	.621	.619	.618	.617	.616	.614
.79	.613	.612	.611	.609	.608	.607	.605	.604	.603	.601
.80	.600	.599	.597	.596	.595	.593	.592	.591	.589	.588
.81	.586	.585	.584	.582	.581	.579	.578	.577	.575	.574
.82	.572	.571	.569	.568	.567	.565	.564	.562	.561	.559
.83	.558	.556	.555	.553	.552	.550	.549	.547	.546	.544
.84	.543	.541	.539	.538	.536	.535	.533	.532	.530	.528
.85	.527	.525	.524	.522	.520	.519	.517	.515	.514	.512
.86	.510	.509	.507	.505	.503	.502	.500	.498	.497	.495
.87	.493	.491	.490	.488	.486	.484	.482	.480	.479	.477
.88	.475	.473	.471	.469	.467	.466	.464	.462	.460	.458
.89	.456	.454	.452	.450	.448	.446	.444	.442	.440	.438
.90	.436	.434	.432	.430	.428	.425	.423	.421	.419	.417
.91	.415	.412	.410	.408	.406	.403	.401	.399	.397	.394
.92	.392	.390	.387	.385	.382	.380	.378	.375	.373	.370
.93	.368	.365	.362	.360	.357	.355	.352	.349	.347	.344
.94	.341	.338	.336	.333	.330	.327	.324	.321	.318	.315
.95	.312	.309	.306	.303	.300	.297	.293	.290	.287	.283
.96	.280	.277	.273	.270	.266	.262	.259	.255	.251	.247
.97	.243	.239	.235	.231	.227	.222	.218	.213	.209	.204
.98	.199	.194	.189	.184	.178	.173	.167	.161	.154	.148
.99	.141	.134	.126	.118	.109	.100	.089	.077	.063	.045

WHEN THE MARGINAL VALUES ARE CONSTRUED AS COEFFICIENTS OF CORRELATION, THE CORRESPONDING VALUES IN THE TABLE ARE THE COEFFICIENTS OF ALIENATION AND VICE-VERSA

THE TERM REGRESSION

A still additional statement of the formula for the regression line is

$$\frac{Y^1 - \overline{Y}}{SD_y} = r\frac{X - \overline{X}}{SD_x}$$

from which we deduce that an estimate Y_i^1, expressed in standard deviation units, equals the value X_i on which the estimate is based, also expressed in standard deviation units, multiplied by the correlation coefficient. Since the correlation coefficient in any practical situation is less, in absolute value, than 1, the estimating value is, in these units, closer to the mean than the value used to estimate it. If, the correlation between stature and weight is about 0.5, then using a regression equation to estimate weight from height, we would estimate that a woman one standard deviation above the mean in height would be about 0.5 standard deviations above the mean in weight; that a woman two standard deviations below the mean in height is most likely to be about one standard deviation below average in weight.

It is this nature of the estimates that gave rise to the term *regression* equations; the estimates *regress* toward the mean.

That this phenomonon is not a statistical artifact is, perhaps, best observed by considering the regression values, not as estimates of individual values, but as mean values for groups of individuals all with the same 'X' values. The interested reader can, for example, compute average values for the columns of, say, the first bivariate table in Part C and observe that, except for sampling fluctuations, these column mean values do conform to this regression pattern.

CONFIDENCE LIMITS FOR THE CORRELATION COEFFICIENTS

The statistical nature of the correlation coefficient makes the use of a standard error improper except when the sample size is large and the sample correlation coefficient is of no more than moderate size. While the present sample is sufficiently large so a standard error could be used with most of the correlation coefficients, we have provided a table of confidence limits giving 95% and 99% confidence levels (equivalent more or less to ± 1.96 and ± 2.58 standard errors).

To determine the confidence limits for a given correlation coefficient from table XLVI, locate the values corresponding to r in the 'DOWN' column and in the 'UP' column. The confidence limits are given by subtracting the DOWN value and adding the UP value. If r is negative, determine the limits for the absolute value of r and then change the signs.

Example:

r = 0.528, N = 1905, 99% confidence limits
for $.525 \leqslant r \leqslant .535$
the DOWN column lists 0.044, the UP column 0.041
$0.528 - 0.044 = 0.484$, $0.528 + 0.041 = 0.569$

Thus, the confidence limits in this case are from 0.484 to 0.569.

These confidence limits are, of course, subject to the same sort of reservations that were expressed in section IV of Part A about the standard errors reported there.

Note—these confidence limits are *not* appropriate for comparing two values of the correlation coefficient based on the same sample. It is not easy, unfortunately, to answer a so deceptively simple question as to whether, for example, in our sample hand length and hand breadth are significantly more highly correlated than are foot length and foot breadth.

TABLE XLVI

CONFIDENCE LIMITS FOR CORRELATION COEFFICIENTS

A - TOTAL SAMPLE (N = 1905)

95% LIMITS RANGE	DOWN	UP	95% LIMITS RANGE	DOWN	UP	99% LIMITS RANGE	DOWN	UP	99% LIMITS RANGE	DOWN	UP	99% LIMITS RANGE	DOWN	UP
.000<R<.076	45	45	.696<R<.702	24	22	.000<R<.071	59	59	.610<R<.613	38	36	.867<R<.871	15	14
.077<R<.120	45	44	.703<R<.711	23	22	.072<R<.129	59	58	.614<R<.623	38	35	.872<R<.875	15	13
.121<R<.156	44	44	.712<R<.717	23	21	.130<R<.135	58	58	.624<R<.627	37	35	.876<R<.881	14	13
.157<R<.200	44	43	.718<R<.727	22	21	.136<R<.181	58	57	.628<R<.636	37	34	.882<R<.885	14	12
.201<R<.211	43	43	.728<R<.732	22	20	.182<R<.192	58	56	.637<R<.641	36	34	.886<R<.891	13	12
.212<R<.253	43	42	.733<R<.742	21	20	.193<R<.218	57	56	.642<R<.649	36	33	.892<R<.894	13	11
.254<R<.255	42	42	.743<R<.747	21	19	.219<R<.237	57	55	.650<R<.654	35	33	.895<R<.901	12	11
.256<R<.293	42	41	.748<R<.757	20	19	.238<R<.251	56	55	.655<R<.662	35	32	.902<R<.903	12	10
.294<R<.297	42	40	.758<R<.762	20	18	.252<R<.274	56	54	.663<R<.667	34	32	.904<R<.911	11	10
.298<R<.327	41	40	.763<R<.772	19	18	.275<R<.280	55	54	.668<R<.674	34	31	.912<R<.920	10	9
.328<R<.334	41	39	.773<R<.776	19	17	.281<R<.305	55	53	.675<R<.680	33	31	.921<R<.929	9	8
.335<R<.359	40	39	.777<R<.787	18	17	.306<R<.307	54	53	.681<R<.686	33	30	.930<R<.930	8	8
.360<R<.367	40	38	.788<R<.790	18	16	.308<R<.332	54	52	.687<R<.692	32	30	.931<R<.938	8	7
.368<R<.387	39	38	.791<R<.801	17	16	.333<R<.334	54	51	.693<R<.698	32	29	.939<R<.940	7	7
.388<R<.397	39	37	.802<R<.803	17	15	.335<R<.355	53	51	.699<R<.705	31	29	.941<R<.946	7	6
.398<R<.414	38	37	.804<R<.815	16	15	.356<R<.360	53	50	.706<R<.710	31	28	.947<R<.949	6	6
.415<R<.425	38	36	.816<R<.817	16	14	.361<R<.378	52	50	.711<R<.717	30	28	.950<R<.955	6	5
.426<R<.440	37	36	.818<R<.829	15	14	.379<R<.384	52	49	.718<R<.722	30	27	.956<R<.958	5	5
.441<R<.451	37	35	.830<R<.830	15	13	.385<R<.399	51	49	.723<R<.729	29	27	.959<R<.963	5	4
.452<R<.464	36	35	.831<R<.843	14	13	.400<R<.406	51	48	.730<R<.733	29	26	.964<R<.968	4	4
.465<R<.475	36	34	.844<R<.855	13	12	.407<R<.419	50	48	.734<R<.741	28	26	.969<R<.971	4	3
.476<R<.487	35	34	.856<R<.856	12	12	.420<R<.427	50	47	.742<R<.744	28	25	.972<R<.977	3	3
.488<R<.499	35	33	.857<R<.868	12	11	.428<R<.438	49	47	.745<R<.752	27	25	.978<R<.979	3	2
.500<R<.509	34	33	.869<R<.870	11	11	.439<R<.447	49	46	.753<R<.755	27	24	.980<R<.986	2	2
.510<R<.521	34	32	.871<R<.880	11	10	.448<R<.456	48	46	.756<R<.764	26	24	.987<R<.987	2	1
.522<R<.530	33	32	.881<R<.883	10	10	.457<R<.466	48	45	.765<R<.766	26	23	.988<R<.995	1	1
.531<R<.542	33	31	.884<R<.892	10	9	.467<R<.474	47	45	.767<R<.775	25	23	.996<R<.996	1	0
.543<R<.551	32	31	.893<R<.896	9	9	.475<R<.484	47	44	.776<R<.777	25	22			
.552<R<.562	32	30	.897<R<.904	9	8	.485<R<.491	46	44	.778<R<.786	24	22			
.563<R<.571	31	30	.905<R<.908	8	8	.492<R<.502	46	43	.787<R<.787	24	21			
.572<R<.581	31	29	.909<R<.916	8	7	.503<R<.508	45	43	.788<R<.797	23	21			
.582<R<.590	30	29	.917<R<.921	7	7	.509<R<.519	45	42	.798<R<.798	23	20			
.591<R<.600	30	28	.922<R<.928	7	6	.520<R<.524	44	42	.799<R<.808	22	20			
.601<R<.609	29	28	.929<R<.934	6	6	.525<R<.535	44	41	.809<R<.818	21	19			
.610<R<.618	29	27	.935<R<.939	6	5	.536<R<.540	43	41	.819<R<.819	20	19			
.619<R<.627	28	27	.940<R<.946	5	5	.541<R<.551	43	40	.820<R<.828	20	18			
.628<R<.636	28	26	.947<R<.950	5	4	.552<R<.555	42	40	.829<R<.830	19	18			
.637<R<.644	27	26	.951<R<.958	4	4	.556<R<.566	42	39	.831<R<.837	19	17			
.645<R<.653	27	25	.959<R<.961	4	3	.567<R<.570	41	39	.838<R<.840	18	17			
.654<R<.662	26	25	.962<R<.970	3	3	.571<R<.581	41	38	.841<R<.847	18	16			
.663<R<.670	26	24	.971<R<.973	3	2	.582<R<.585	40	38	.848<R<.851	17	16			
.671<R<.678	25	24	.974<R<.982	2	2	.586<R<.595	40	37	.852<R<.857	17	15			
.679<R<.686	25	23	.983<R<.983	2	1	.596<R<.599	39	37	.858<R<.861	16	15			
.687<R<.695	24	23	.984<R<.994	1	1	.600<R<.609	39	36	.862<R<.866	16	14			

RANGES ARE INCLUSIVE OF OF ENDPOINTS

VALUES APPEARING ON THIS PAGE APPLY TO COEFFICIENTS APPEARING IN TABLES XXIV, XXVI, XXXII, & XXXIII, AND-WITH, AT MOST, SMALL ERRORS-TO THE MULTIPLE R'S IN TABLES XXVII & XXXIV AND THE PARTIAL R'S IN TABLES XXX & XXXI
(THEY ARE NOT APPROPRIATE FOR USE WITH TABLES XXVIII & XXIX)

TABLE XLVI

CONFIDENCE LIMITS FOR CORRELATION COEFFICIENTS

B - THE OVER-FOUNDATION-GARMENT SAMPLE (N = 1513)

95% LIMITS RANGE	DOWN	UP	95% LIMITS RANGE	DOWN	UP	99% LIMITS RANGE	DOWN	UP	99% LIMITS RANGE	DOWN	UP	99% LIMITS RANGE	DOWN	UP
.000<R<.110	50	50	.705<R<.715	26	24	.000<R<.078	66	66	.609<R<.615	43	40	.875<R<.876	16	15
.111<R<.160	50	49	.716<R<.718	25	24	.079<R<.133	66	65	.616<R<.620	43	39	.877<R<.883	16	14
.161<R<.171	49	49	.719<R<.729	25	23	.134<R<.143	66	64	.621<R<.628	42	39	.884<R<.885	15	14
.172<R<.217	49	48	.730<R<.732	24	23	.144<R<.174	65	64	.629<R<.632	42	38	.886<R<.891	15	13
.218<R<.219	49	47	.733<R<.742	24	22	.175<R<.197	65	63	.633<R<.640	41	38	.892<R<.894	14	13
.220<R<.255	48	47	.743<R<.746	23	22	.198<R<.208	64	63	.641<R<.643	41	37	.895<R<.899	14	12
.256<R<.264	48	46	.747<R<.755	23	21	.209<R<.237	64	62	.644<R<.652	40	37	.900<R<.903	13	12
.265<R<.289	47	46	.756<R<.760	22	21	.238<R<.238	63	62	.653<R<.655	40	36	.904<R<.906	13	11
.290<R<.302	47	45	.761<R<.768	22	20	.239<R<.265	63	61	.656<R<.663	39	36	.907<R<.912	12	11
.303<R<.320	46	45	.769<R<.773	21	20	.266<R<.271	63	60	.664<R<.666	39	35	.913<R<.914	12	10
.321<R<.335	46	44	.774<R<.780	21	19	.272<R<.290	62	60	.667<R<.675	38	35	.915<R<.920	11	10
.336<R<.348	45	44	.781<R<.786	20	19	.291<R<.300	62	59	.676<R<.677	38	34	.921<R<.922	11	9
.349<R<.365	45	43	.787<R<.792	20	18	.301<R<.313	61	59	.678<R<.686	37	34	.923<R<.929	10	9
.366<R<.375	44	43	.793<R<.799	19	18	.314<R<.326	61	58	.687<R<.688	37	33	.930<R<.930	10	8
.376<R<.392	44	42	.800<R<.804	19	17	.327<R<.335	60	58	.689<R<.697	36	33	.931<R<.937	9	8
.393<R<.399	43	42	.805<R<.811	18	17	.336<R<.350	60	57	.698<R<.699	36	32	.938<R<.945	8	7
.400<R<.417	43	41	.812<R<.816	18	16	.351<R<.356	59	57	.700<R<.708	35	32	.946<R<.946	7	7
.418<R<.423	42	41	.817<R<.824	17	16	.357<R<.372	59	56	.709<R<.709	35	31	.947<R<.952	7	6
.424<R<.441	42	40	.825<R<.828	17	15	.373<R<.375	58	56	.710<R<.719	34	31	.953<R<.954	6	6
.442<R<.445	41	40	.829<R<.836	16	15	.376<R<.393	58	55	.720<R<.720	34	30	.955<R<.960	6	5
.446<R<.463	41	39	.837<R<.839	16	14	.394<R<.394	57	55	.721<R<.730	33	30	.961<R<.963	5	5
.464<R<.466	40	39	.840<R<.848	15	14	.395<R<.412	57	54	.731<R<.740	32	29	.964<R<.967	5	4
.467<R<.485	40	38	.849<R<.851	15	13	.413<R<.430	56	53	.741<R<.749	31	28	.968<R<.971	4	4
.486<R<.487	39	38	.852<R<.860	14	13	.431<R<.431	56	52	.750<R<.751	30	28	.972<R<.974	4	3
.488<R<.505	39	37	.861<R<.862	14	12	.432<R<.446	55	52	.752<R<.759	30	27	.975<R<.979	3	3
.506<R<.507	38	37	.863<R<.872	13	12	.447<R<.449	55	51	.760<R<.761	29	27	.980<R<.982	3	2
.508<R<.524	38	36	.873<R<.873	13	11	.450<R<.462	54	51	.762<R<.769	29	26	.983<R<.987	2	2
.525<R<.526	37	36	.874<R<.884	12	11	.463<R<.466	54	50	.770<R<.771	28	26	.988<R<.989	2	1
.527<R<.543	37	35	.885<R<.895	11	10	.467<R<.478	53	50	.772<R<.778	28	25	.990<R<.995	1	1
.544<R<.544	36	35	.896<R<.896	10	10	.479<R<.482	53	49	.779<R<.781	27	25	.996<R<.996	1	0
.545<R<.561	36	34	.897<R<.905	10	9	.483<R<.493	52	49	.782<R<.787	27	24			
.562<R<.562	35	34	.906<R<.907	9	9	.494<R<.498	52	48	.788<R<.791	26	24			
.563<R<.579	35	33	.908<R<.916	9	8	.499<R<.508	51	48	.792<R<.797	26	23			
.580<R<.596	34	32	.917<R<.918	8	8	.509<R<.513	51	47	.798<R<.801	25	23			
.597<R<.612	33	31	.919<R<.926	8	7	.514<R<.523	50	47	.802<R<.806	25	22			
.613<R<.613	32	31	.927<R<.930	7	7	.524<R<.528	50	46	.807<R<.811	24	22			
.614<R<.628	32	30	.931<R<.936	7	6	.529<R<.537	49	46	.812<R<.815	24	21			
.629<R<.629	31	30	.937<R<.941	6	6	.538<R<.542	49	45	.816<R<.820	23	21			
.630<R<.643	31	29	.942<R<.946	6	5	.543<R<.551	48	45	.821<R<.823	23	20			
.644<R<.645	30	29	.947<R<.952	5	5	.552<R<.556	48	44	.824<R<.830	22	20			
.646<R<.658	30	28	.953<R<.956	5	4	.557<R<.564	47	44	.831<R<.832	22	19			
.659<R<.660	29	28	.957<R<.962	4	4	.565<R<.569	47	43	.833<R<.839	21	19			
.661<R<.673	29	27	.963<R<.966	4	3	.570<R<.577	46	43	.840<R<.841	21	18			
.674<R<.675	28	27	.967<R<.973	3	3	.578<R<.582	46	42	.842<R<.849	20	18			
.676<R<.687	28	26	.974<R<.976	3	2	.583<R<.590	45	42	.850<R<.858	19	17			
.688<R<.690	27	26	.977<R<.984	2	2	.591<R<.595	45	41	.859<R<.866	18	16			
.691<R<.701	27	25	.985<R<.985	2	1	.596<R<.603	44	41	.867<R<.867	17	16			
.702<R<.704	26	25	.986<R<.994	1	1	.604<R<.608	44	40	.868<R<.874	17	15			

RANGES ARE INCLUSIVE OF ENDPOINTS

VALUES APPEARING ON THIS PAGE APPLY TO COEFFICIENTS APPEARING IN TABLE XXV

A brief comment on the construction of table XLVI. This table is based on R. A. Fisher's observation that $Z = \frac{1}{2} \log_e ((1+r)/(1-r))$ has an almost normal distribution with a standard error almost independent of the size of r and equal to $1/\sqrt{N-3}$. To find confidence limits for r, many texts advise one to convert r to Z, find confidence limits Z_1 and Z_2 for Z and then convert Z_1 and Z_2 back using the formula

$$r = (e^{2Z} - 1)/(e^{2Z} + 1)$$

Actually, it is not necessary to ever convert r to Z or back again.

If K = the appropriate number of standard errors (1.96 or 2.58, for example), set

$$A = e^{2K/\sqrt{N-3}}$$

The desired confidence limits are then

$$r_1 = \frac{(1+r) - A(1-r),}{(1+r) + A(1-r)} \text{ and } r_2 = \frac{(1+r)A - (1-r)}{(1+r)A + (1-r)}$$

MULTIPLE CORRELATIONS AND REGRESSIONS

The problem differs little from the one for simple correlation. We assume the existence of a set of ordered k-tuples

$$(X_{1,1}, X_{2,1}, \ldots, X_{k,1})$$

and desire to select the values a, $b_2, \ldots, b_k$ such that

$$SQ = \Sigma(X_{1,i} - a - \sum_{2}^{k} b_j X_{j,i})^2$$

is a minimum.

Differentiating SQ with respect to a, $b_2, \ldots, b_k$ as we did in the case of the single predictor, we can obtain the desired values. In addition, we can obtain the minimum value of SQ and define the multiple correlation in terms of it as

$$R = \sqrt{1 - \frac{SQ_{min}}{N \cdot SD_1^2}}$$

When k = 2, the equation becomes ($r_{1,2}$ = the correlation of X_1 and X_2, $r_{1,3}$ of X_1 and X_3, $r_{2,3}$ of X_2 and X_3).

$$X_1^1 = B_2 \frac{\sigma_1}{\sigma_2}(X_{2,i} - \overline{X}_2) + B_3 \frac{\sigma_1}{\sigma_3}(X_{3,i} - \overline{X}_3) + \overline{X}_1$$

where

$$B_2 = \frac{r_{1,2} - r_{2,3}\, r_{1,3}}{1 - r_{2,3}^2}, \quad B_3 = \frac{r_{1,3} - r_{2,3}\, r_{1,2}}{1 - r_{2,3}^2}$$

and

$$R = \sqrt{r_{1,2} B_2 + r_{1,3} B_3} = \sqrt{\frac{r_{1,2}^2 + r_{1,3}^2 - 2 r_{1,2}\, r_{1,3}\, r_{2,3}}{1 - r_{2,3}^2}}$$

The regression equation can be derived without computing the correlation coefficients, but there seems little point in doing this.

The formulas as written out for the two-predictor case do not extend to more than two predictors. However, if we define in the general case the determinant of the correlation coefficients

$$D = \begin{vmatrix} r_{1,1} & r_{1,2} & r_{1,3} & \ldots & r_{1,k} \\ r_{2,1} & r_{2,2} & r_{2,3} & \ldots & r_{2,k} \\ . & . & . & \ldots & . \\ . & . & . & \ldots & . \\ r_{k,1} & r_{k,2} & r_{k,3} & & r_{k,r} \end{vmatrix}$$

where $r_{j,h} = r_{h,j}$ = the correlation between X_j and X_h, $r_{j,j} = 1.0$, and $D_{j,h} = (-1)^{j+h}$ times the determinant obtained by removing the j-th row and h-th column, then the regression equation for X_1 is:

$$\frac{X_1{}^1 - X_1}{SD_1} = -\sum_{2}^{k} \frac{D_{1,j}}{D_{1,1}} \left(\frac{X_j - \overline{X}_j}{SD_j}\right)$$

the standard error of estimate for X_1 is

$$SD_1 \sqrt{D/D_{1,1}}$$

and the multiple correlation coefficient is

$$R = \sqrt{1 - D/D_{1,1}}$$

It may be noted that non-linear regression equations are not only possible but are well included in the previous discussion. If, for example, an equation of the form

$$Z = a + bX + cX^2 + dY + eXY + f\sqrt{Y}$$

is desired, all that is necessary is to redefine the variables:

$$X_1 = Z,\ X_2 = X,\ X_3 = X^2,\ X_4 = Y,\ X_5 = XY,\ X_6 = \sqrt{Y}$$

To develop the equation it will be necessary, of course, to know the correlations among all the variables involved, that is, Z, X, X^2, Y, XY, and $\sqrt{Y}$.

A TABLE FOR ESTIMATING MULTIPLE CORRELATION COEFFICIENTS

The formula:

$$R^2 = \frac{r_{1,2}{}^2 + r_{1,3}{}^2 - 2r_{1,2}\, r_{1,3}\, r_{2,3}}{1 - r_{2,3}{}^2}$$

does not easily fit into a nomograph or similar chart form. Table XLVIII, however, does permit quick estimates of the values of R given $r_{1,2}$, $r_{1,3}$, and $r_{2,3}$. The line in the table corresponding to the values closest to $r_{1,2}$ and $r_{1,3}$ (without regard to order) is entered, and an increment is located in the column corresponding to the value closest to $r_{2,3}$.

Example: $r_{1,2} = 0.72$, $r_{1,3} = 0.81$, $r_{2,3} = 0.62$.

The proper line is that for 0.80, 0.70 and the desired column is that headed 0.60. The indicated increment is to be added to the larger of $r_{1,2}$ and $r_{1,3}$. Hence the multiple correlation for X_1 in terms of X_2 and X_3 will be about 0.81 + 0.05 = 0.86.

Some things about the value of R can be noted from this table. For many combinations, the multiple correlation coefficient will be only slightly higher than the larger of the simple correlations between the predictors and the predicted variable. This, unfortunately, occurs often in practice.

TABLE XLVII

CENTIMETERS TO INCHES -INCH EQUIVALENTS OF VALUES FROM 0.01 TO 2.80 CENTIMETERS

CM	IN	CM	IN	CM	IN	CM	IN	CM	IN	CM	IN	CM	IN
.01	.00394	.41	.16142	.81	.31890	1.21	.47638	1.61	.63386	2.01	.79134	2.41	.9488
.02	.00787	.42	.16535	.82	.32283	1.22	.48031	1.62	.63780	2.02	.79528	2.42	.9528
.03	.01181	.43	.16929	.83	.32677	1.23	.48425	1.63	.64173	2.03	.79921	2.43	.9567
.04	.01575	.44	.17323	.84	.33071	1.24	.48819	1.64	.64567	2.04	.80315	2.44	.9606
.05	.01969	.45	.17717	.85	.33465	1.25	.49213	1.65	.64961	2.05	.80709	2.45	.9646
.06	.02362	.46	.18110	.86	.33859	1.26	.49606	1.66	.65354	2.06	.81102	2.46	.9685
.07	.02756	.47	.18504	.87	.34252	1.27	.50000	1.67	.65748	2.07	.81496	2.47	.9724
.08	.03150	.48	.18898	.88	.34646	1.28	.50394	1.68	.66142	2.08	.81890	2.48	.9764
.09	.03543	.49	.19291	.89	.35039	1.29	.50787	1.69	.66535	2.09	.82283	2.49	.9803
.10	.03937	.50	.19685	.90	.35433	1.30	.51181	1.70	.66929	2.10	.82677	2.50	.9843
.11	.04331	.51	.20079	.91	.35827	1.31	.51575	1.71	.67323	2.11	.83071	2.51	.9882
.12	.04724	.52	.20472	.92	.36220	1.32	.51969	1.72	.67717	2.12	.83465	2.52	.9921
.13	.05118	.53	.20866	.93	.36614	1.33	.52362	1.73	.68110	2.13	.83858	2.53	.9961
.14	.05512	.54	.21260	.94	.37008	1.34	.52756	1.74	.68504	2.14	.84252	2.54	1.0000
.15	.05906	.55	.21654	.95	.37402	1.35	.53150	1.75	.68898	2.15	.84646	2.55	1.0039
.16	.06299	.56	.22047	.96	.37795	1.36	.53543	1.76	.69291	2.16	.85039	2.56	1.0079
.17	.06693	.57	.22441	.97	.38189	1.37	.53937	1.77	.69685	2.17	.85433	2.57	1.0118
.18	.07087	.58	.22835	.98	.38583	1.38	.54331	1.78	.70079	2.18	.85827	2.58	1.0157
.19	.07480	.59	.23228	.99	.38976	1.39	.54724	1.79	.70472	2.19	.86220	2.59	1.0197
.20	.07874	.60	.23622	1.00	.39370	1.40	.55118	1.80	.70866	2.20	.86614	2.60	1.0236
.21	.08268	.61	.24016	1.01	.39764	1.41	.55512	1.81	.71260	2.21	.87008	2.61	1.0276
.22	.08661	.62	.24409	1.02	.40157	1.42	.55906	1.82	.71654	2.22	.87402	2.62	1.0315
.23	.09055	.63	.24803	1.03	.40551	1.43	.56299	1.83	.72047	2.23	.87795	2.63	1.0354
.24	.09449	.64	.25197	1.04	.40945	1.44	.56693	1.84	.72441	2.24	.88189	2.64	1.0394
.25	.09843	.65	.25591	1.05	.41339	1.45	.57087	1.85	.72835	2.25	.88583	2.65	1.0433
.26	.10236	.66	.25984	1.06	.41732	1.46	.57480	1.86	.73228	2.26	.88976	2.66	1.0472
.27	.10630	.67	.26378	1.07	.42126	1.47	.57874	1.87	.73622	2.27	.89370	2.67	1.0512
.28	.11024	.68	.26772	1.08	.42520	1.48	.58268	1.88	.74016	2.28	.89764	2.68	1.0551
.29	.11417	.69	.27165	1.09	.42913	1.49	.58661	1.89	.74409	2.29	.90157	2.69	1.0591
.30	.11811	.70	.27559	1.10	.43307	1.50	.59055	1.90	.74803	2.30	.90551	2.70	1.0630
.31	.12205	.71	.27953	1.11	.43701	1.51	.59449	1.91	.75197	2.31	.90945	2.71	1.0669
.32	.12598	.72	.28346	1.12	.44094	1.52	.59843	1.92	.75591	2.32	.91339	2.72	1.0709
.33	.12992	.73	.28740	1.13	.44488	1.53	.60236	1.93	.75984	2.33	.91732	2.73	1.0748
.34	.13386	.74	.29134	1.14	.44882	1.54	.60630	1.94	.76378	2.34	.92126	2.74	1.0787
.35	.13780	.75	.29528	1.15	.45276	1.55	.61024	1.95	.76772	2.35	.92520	2.75	1.0827
.36	.14173	.76	.29921	1.16	.45669	1.56	.61417	1.96	.77165	2.36	.92913	2.76	1.0866
.37	.14567	.77	.30315	1.17	.46063	1.57	.61811	1.97	.77559	2.37	.93307	2.77	1.0906
.38	.14961	.78	.30709	1.18	.46457	1.58	.62205	1.98	.77953	2.38	.93701	2.78	1.0945
.39	.15354	.79	.31102	1.19	.46850	1.59	.62598	1.99	.78346	2.39	.94094	2.79	1.0984
.40	.15748	.80	.31496	1.20	.47244	1.60	.62992	2.00	.78740	2.40	.94488	2.80	1.1024

TABLE XLVII

CENTIMETERS TO INCHES -INCH EQUIVALENTS OF VALUES FROM 2.81 TO 5.60 CENTIMETERS

CM	IN	CM	IN	CM	IN	CM	IN	CM	IN	CM	IN	CM	IN
2.81	1.1063	3.21	1.2638	3.61	1.4213	4.01	1.5787	4.41	1.7362	4.81	1.8937	5.21	2.0512
2.82	1.1102	3.22	1.2677	3.62	1.4252	4.02	1.5827	4.42	1.7402	4.82	1.8976	5.22	2.0551
2.83	1.1142	3.23	1.2717	3.63	1.4291	4.03	1.5866	4.43	1.7441	4.83	1.9016	5.23	2.0591
2.84	1.1181	3.24	1.2756	3.64	1.4331	4.04	1.5906	4.44	1.7480	4.84	1.9055	5.24	2.0630
2.85	1.1220	3.25	1.2795	3.65	1.4370	4.05	1.5945	4.45	1.7520	4.85	1.9094	5.25	2.0669
2.86	1.1260	3.26	1.2835	3.66	1.4409	4.06	1.5984	4.46	1.7559	4.86	1.9134	5.26	2.0709
2.87	1.1299	3.27	1.2874	3.67	1.4449	4.07	1.6024	4.47	1.7598	4.87	1.9173	5.27	2.0748
2.88	1.1339	3.28	1.2913	3.68	1.4488	4.08	1.6063	4.48	1.7638	4.88	1.9213	5.28	2.0787
2.89	1.1378	3.29	1.2953	3.69	1.4528	4.09	1.6102	4.49	1.7677	4.89	1.9252	5.29	2.0827
2.90	1.1417	3.30	1.2992	3.70	1.4567	4.10	1.6142	4.50	1.7717	4.90	1.9291	5.30	2.0866
2.91	1.1457	3.31	1.3031	3.71	1.4606	4.11	1.6181	4.51	1.7756	4.91	1.9331	5.31	2.0906
2.92	1.1496	3.32	1.3071	3.72	1.4646	4.12	1.6220	4.52	1.7795	4.92	1.9370	5.32	2.0945
2.93	1.1535	3.33	1.3110	3.73	1.4685	4.13	1.6260	4.53	1.7835	4.93	1.9409	5.33	2.0984
2.94	1.1575	3.34	1.3150	3.74	1.4724	4.14	1.6299	4.54	1.7874	4.94	1.9449	5.34	2.1024
2.95	1.1614	3.35	1.3189	3.75	1.4764	4.15	1.6339	4.55	1.7913	4.95	1.9488	5.35	2.1063
2.96	1.1654	3.36	1.3228	3.76	1.4803	4.16	1.6378	4.56	1.7953	4.96	1.9528	5.36	2.1102
2.97	1.1693	3.37	1.3268	3.77	1.4843	4.17	1.6417	4.57	1.7992	4.97	1.9567	5.37	2.1142
2.98	1.1732	3.38	1.3307	3.78	1.4882	4.18	1.6457	4.58	1.8031	4.98	1.9606	5.38	2.1181
2.99	1.1772	3.39	1.3346	3.79	1.4921	4.19	1.6496	4.59	1.8071	4.99	1.9646	5.39	2.1220
3.00	1.1811	3.40	1.3386	3.80	1.4961	4.20	1.6535	4.60	1.8110	5.00	1.9685	5.40	2.1260
3.01	1.1850	3.41	1.3425	3.81	1.5000	4.21	1.6575	4.61	1.8150	5.01	1.9724	5.41	2.1299
3.02	1.1890	3.42	1.3465	3.82	1.5039	4.22	1.6614	4.62	1.8189	5.02	1.9764	5.42	2.1339
3.03	1.1929	3.43	1.3504	3.83	1.5079	4.23	1.6654	4.63	1.8228	5.03	1.9803	5.43	2.1378
3.04	1.1969	3.44	1.3543	3.84	1.5118	4.24	1.6693	4.64	1.8268	5.04	1.9843	5.44	2.1417
3.05	1.2008	3.45	1.3583	3.85	1.5157	4.25	1.6732	4.65	1.8307	5.05	1.9882	5.45	2.1457
3.06	1.2047	3.46	1.3622	3.86	1.5197	4.26	1.6772	4.66	1.8346	5.06	1.9921	5.46	2.1496
3.07	1.2087	3.47	1.3661	3.87	1.5236	4.27	1.6811	4.67	1.8386	5.07	1.9961	5.47	2.1535
3.08	1.2126	3.48	1.3701	3.88	1.5276	4.28	1.6850	4.68	1.8425	5.08	2.0000	5.48	2.1575
3.09	1.2165	3.49	1.3740	3.89	1.5315	4.29	1.6890	4.69	1.8465	5.09	2.0039	5.49	2.1614
3.10	1.2205	3.50	1.3780	3.90	1.5354	4.30	1.6929	4.70	1.8504	5.10	2.0079	5.50	2.1654
3.11	1.2244	3.51	1.3819	3.91	1.5394	4.31	1.6969	4.71	1.8543	5.11	2.0118	5.51	2.1693
3.12	1.2283	3.52	1.3858	3.92	1.5433	4.32	1.7008	4.72	1.8583	5.12	2.0157	5.52	2.1732
3.13	1.2323	3.53	1.3898	3.93	1.5472	4.33	1.7047	4.73	1.8622	5.13	2.0197	5.53	2.1772
3.14	1.2362	3.54	1.3937	3.94	1.5512	4.34	1.7087	4.74	1.8661	5.14	2.0236	5.54	2.1811
3.15	1.2402	3.55	1.3976	3.95	1.5551	4.35	1.7126	4.75	1.8701	5.15	2.0276	5.55	2.1850
3.16	1.2441	3.56	1.4016	3.96	1.5591	4.36	1.7165	4.76	1.8740	5.16	2.0315	5.56	2.1890
3.17	1.2480	3.57	1.4055	3.97	1.5630	4.37	1.7205	4.77	1.8780	5.17	2.0354	5.57	2.1929
3.18	1.2520	3.58	1.4094	3.98	1.5669	4.38	1.7244	4.78	1.8819	5.18	2.0394	5.58	2.1969
3.19	1.2559	3.59	1.4134	3.99	1.5709	4.39	1.7283	4.79	1.8858	5.19	2.0433	5.59	2.2008
3.20	1.2598	3.60	1.4173	4.00	1.5748	4.40	1.7323	4.80	1.8898	5.20	2.0472	5.60	2.2047

TABLE XLVII

CENTIMETERS TO INCHES—INCH EQUIVALENTS OF VALUES FROM 5.61 TO 8.40 CENTIMETERS

CM	IN	CM	IN	CM	IN	CM	IN	CM	IN	CM	IN	CM	IN
5.61	2.2087	6.01	2.3661	6.41	2.5236	6.81	2.6811	7.21	2.8386	7.61	2.9961	8.01	3.1535
5.62	2.2126	6.02	2.3701	6.42	2.5276	6.82	2.6850	7.22	2.8425	7.62	3.0000	8.02	3.1575
5.63	2.2165	6.03	2.3740	6.43	2.5315	6.83	2.6890	7.23	2.8465	7.63	3.0039	8.03	3.1614
5.64	2.2205	6.04	2.3780	6.44	2.5354	6.84	2.6929	7.24	2.8504	7.64	3.0079	8.04	3.1654
5.65	2.2244	6.05	2.3819	6.45	2.5394	6.85	2.6969	7.25	2.8543	7.65	3.0118	8.05	3.1693
5.66	2.2283	6.06	2.3858	6.46	2.5433	6.86	2.7008	7.26	2.8583	7.66	3.0157	8.06	3.1732
5.67	2.2323	6.07	2.3898	6.47	2.5472	6.87	2.7047	7.27	2.8622	7.67	3.0197	8.07	3.1772
5.68	2.2362	6.08	2.3937	6.48	2.5512	6.88	2.7087	7.28	2.8661	7.68	3.0236	8.08	3.1811
5.69	2.2402	6.09	2.3976	6.49	2.5551	6.89	2.7126	7.29	2.8701	7.69	3.0276	8.09	3.1850
5.70	2.2441	6.10	2.4016	6.50	2.5591	6.90	2.7165	7.30	2.8740	7.70	3.0315	8.10	3.1890
5.71	2.2480	6.11	2.4055	6.51	2.5630	6.91	2.7205	7.31	2.8780	7.71	3.0354	8.11	3.1929
5.72	2.2520	6.12	2.4094	6.52	2.5669	6.92	2.7244	7.32	2.8819	7.72	3.0394	8.12	3.1969
5.73	2.2559	6.13	2.4134	6.53	2.5709	6.93	2.7283	7.33	2.8858	7.73	3.0433	8.13	3.2008
5.74	2.2598	6.14	2.4173	6.54	2.5748	6.94	2.7323	7.34	2.8898	7.74	3.0472	8.14	3.2047
5.75	2.2638	6.15	2.4213	6.55	2.5787	6.95	2.7362	7.35	2.8937	7.75	3.0512	8.15	3.2087
5.76	2.2677	6.16	2.4252	6.56	2.5827	6.96	2.7402	7.36	2.8976	7.76	3.0551	8.16	3.2126
5.77	2.2717	6.17	2.4291	6.57	2.5866	6.97	2.7441	7.37	2.9016	7.77	3.0591	8.17	3.2165
5.78	2.2756	6.18	2.4331	6.58	2.5906	6.98	2.7480	7.38	2.9055	7.78	3.0630	8.18	3.2205
5.79	2.2795	6.19	2.4370	6.59	2.5945	6.99	2.7520	7.39	2.9094	7.79	3.0669	8.19	3.2244
5.80	2.2835	6.20	2.4409	6.60	2.5984	7.00	2.7559	7.40	2.9134	7.80	3.0709	8.20	3.2283
5.81	2.2874	6.21	2.4449	6.61	2.6024	7.01	2.7598	7.41	2.9173	7.81	3.0748	8.21	3.2323
5.82	2.2913	6.22	2.4488	6.62	2.6063	7.02	2.7638	7.42	2.9213	7.82	3.0787	8.22	3.2362
5.83	2.2953	6.23	2.4528	6.63	2.6102	7.03	2.7677	7.43	2.9252	7.83	3.0827	8.23	3.2402
5.84	2.2992	6.24	2.4567	6.64	2.6142	7.04	2.7717	7.44	2.9291	7.84	3.0866	8.24	3.2441
5.85	2.3031	6.25	2.4606	6.65	2.6181	7.05	2.7756	7.45	2.9331	7.85	3.0906	8.25	3.2480
5.86	2.3071	6.26	2.4646	6.66	2.6220	7.06	2.7795	7.46	2.9370	7.86	3.0945	8.26	3.2520
5.87	2.3110	6.27	2.4685	6.67	2.6260	7.07	2.7835	7.47	2.9409	7.87	3.0984	8.27	3.2559
5.88	2.3150	6.28	2.4724	6.68	2.6299	7.08	2.7874	7.48	2.9449	7.88	3.1024	8.28	3.2598
5.89	2.3189	6.29	2.4764	6.69	2.6339	7.09	2.7913	7.49	2.9488	7.89	3.1063	8.29	3.2638
5.90	2.3228	6.30	2.4803	6.70	2.6378	7.10	2.7953	7.50	2.9528	7.90	3.1102	8.30	3.2677
5.91	2.3268	6.31	2.4843	6.71	2.6417	7.11	2.7992	7.51	2.9567	7.91	3.1142	8.31	3.2717
5.92	2.3307	6.32	2.4882	6.72	2.6457	7.12	2.8031	7.52	2.9606	7.92	3.1181	8.32	3.2756
5.93	2.3346	6.33	2.4921	6.73	2.6496	7.13	2.8071	7.53	2.9646	7.93	3.1220	8.33	3.2795
5.94	2.3386	6.34	2.4961	6.74	2.6535	7.14	2.8110	7.54	2.9685	7.94	3.1260	8.34	3.2835
5.95	2.3425	6.35	2.5000	6.75	2.6575	7.15	2.8150	7.55	2.9724	7.95	3.1299	8.35	3.2874
5.96	2.3465	6.36	2.5039	6.76	2.6614	7.16	2.8189	7.56	2.9764	7.96	3.1339	8.36	3.2913
5.97	2.3504	6.37	2.5079	6.77	2.6654	7.17	2.8228	7.57	2.9803	7.97	3.1378	8.37	3.2953
5.98	2.3543	6.38	2.5118	6.78	2.6693	7.18	2.8268	7.58	2.9843	7.98	3.1417	8.38	3.2992
5.99	2.3583	6.39	2.5157	6.79	2.6732	7.19	2.8307	7.59	2.9882	7.99	3.1457	8.39	3.3031
6.00	2.3622	6.40	2.5197	6.80	2.6772	7.20	2.8346	7.60	2.9921	8.00	3.1496	8.40	3.3071

TABLE XLVII

CENTIMETERS TO INCHES-INCH EQUIVALENTS FOR 8.40 TO 10.00 CENTIMETERS PLUS KILOGRAM-POUND EQUIVALENCES

CM	IN	CM	IN	CM	IN	CM	IN	KG	LB	KG	LB	KG	LB
8.41	3.31102	8.81	3.46850	9.21	3.62598	9.61	3.78346	.01	.0220	23.00	50.706	63.00	138.891
8.42	3.31496	8.82	3.47244	9.22	3.62992	9.62	3.78740	.02	.0441	24.00	52.911	64.00	141.096
8.43	3.31890	8.83	3.47638	9.23	3.63386	9.63	3.79134	.03	.0661	25.00	55.115	65.00	143.300
8.44	3.32283	8.84	3.48032	9.24	3.63780	9.64	3.79528	.04	.0882	26.00	57.320	66.00	145.505
8.45	3.32677	8.85	3.48425	9.25	3.64173	9.65	3.79921	.05	.1102	27.00	59.525	67.00	147.710
8.46	3.33071	8.86	3.48819	9.26	3.64567	9.66	3.80315	.06	.1323	28.00	61.729	68.00	149.914
8.47	3.33465	8.87	3.49213	9.27	3.64961	9.67	3.80709	.07	.1543	29.00	63.934	69.00	152.119
8.48	3.33858	8.88	3.49606	9.28	3.65354	9.68	3.81102	.08	.1764	30.00	66.139	70.00	154.323
8.49	3.34252	8.89	3.50000	9.29	3.65748	9.69	3.81496	.09	.1984	31.00	68.343	71.00	156.528
8.50	3.34646	8.90	3.50394	9.30	3.66142	9.70	3.81890	.10	.2205	32.00	70.548	72.00	158.733
8.51	3.35039	8.91	3.50787	9.31	3.66535	9.71	3.82283	.20	.4409	33.00	72.752	73.00	160.937
8.52	3.35433	8.92	3.51181	9.32	3.66929	9.72	3.82677	.30	.6614	34.00	74.957	74.00	163.142
8.53	3.35827	8.93	3.51575	9.33	3.67323	9.73	3.83071	.40	.8818	35.00	77.162	75.00	165.346
8.54	3.36220	8.94	3.51969	9.34	3.67717	9.74	3.83465	.50	1.1023	36.00	79.366	76.00	167.551
8.55	3.36614	8.95	3.52362	9.35	3.68110	9.75	3.83858	.60	1.3228	37.00	81.571	77.00	169.756
8.56	3.37008	8.96	3.52756	9.36	3.68504	9.76	3.84252	.70	1.5432	38.00	83.776	78.00	171.960
8.57	3.37402	8.97	3.53150	9.37	3.68898	9.77	3.84646	.80	1.7637	39.00	85.980	79.00	174.165
8.58	3.37795	8.98	3.53543	9.38	3.69291	9.78	3.85039	.90	1.9842	40.00	88.185	80.00	176.370
8.59	3.38189	8.99	3.53937	9.39	3.69685	9.79	3.85433	1.00	2.2046	41.00	90.389	81.00	178.574
8.60	3.38583	9.00	3.54331	9.40	3.70079	9.80	3.85827	2.00	4.4092	42.00	92.594	82.00	180.779
8.61	3.38976	9.01	3.54724	9.41	3.70472	9.81	3.86220	3.00	6.6139	43.00	94.799	83.00	182.983
8.62	3.39370	9.02	3.55118	9.42	3.70866	9.82	3.86614	4.00	8.8185	44.00	97.003	84.00	185.188
8.63	3.39764	9.03	3.55512	9.43	3.71260	9.83	3.87008	5.00	11.0231	45.00	99.208	85.00	187.393
8.64	3.40157	9.04	3.55906	9.44	3.71654	9.84	3.87402	6.00	13.2277	46.00	101.413	86.00	189.597
8.65	3.40551	9.05	3.56299	9.45	3.72047	9.85	3.87795	7.00	15.4323	47.00	103.617	87.00	191.802
8.66	3.40945	9.06	3.56693	9.46	3.72441	9.86	3.88189	8.00	17.6370	48.00	105.822	88.00	194.007
8.67	3.41339	9.07	3.57087	9.47	3.72835	9.87	3.88583	9.00	19.8416	49.00	108.026	89.00	196.211
8.68	3.41732	9.08	3.57480	9.48	3.73228	9.88	3.88976	10.00	22.0462	50.00	110.231	90.00	198.416
8.69	3.42126	9.09	3.57874	9.49	3.73622	9.89	3.89370	11.00	24.2508	51.00	112.436	91.00	200.620
8.70	3.42520	9.10	3.58268	9.50	3.74016	9.90	3.89764	12.00	26.4554	52.00	114.640	92.00	202.825
8.71	3.42913	9.11	3.58661	9.51	3.74409	9.91	3.90157	13.00	28.6601	53.00	116.845	93.00	205.030
8.72	3.43307	9.12	3.59055	9.52	3.74803	9.92	3.90551	14.00	30.8647	54.00	119.049	94.00	207.234
8.73	3.43701	9.13	3.59449	9.53	3.75197	9.93	3.90945	15.00	33.0693	55.00	121.254	95.00	209.439
8.74	3.44094	9.14	3.59843	9.54	3.75591	9.94	3.91339	16.00	35.2739	56.00	123.459	96.00	211.644
8.75	3.44488	9.15	3.60236	9.55	3.75984	9.95	3.91732	17.00	37.4785	57.00	125.663	97.00	213.848
8.76	3.44882	9.16	3.60630	9.56	3.76378	9.96	3.92126	18.00	39.6832	58.00	127.868	98.00	216.053
8.77	3.45276	9.17	3.61024	9.57	3.76772	9.97	3.92520	19.00	41.8878	59.00	130.073	99.00	218.257
8.78	3.45669	9.18	3.61417	9.58	3.77165	9.98	3.92913	20.00	44.0924	60.00	132.277	100.00	220.462
8.79	3.46063	9.19	3.61811	9.59	3.77559	9.99	3.93307	21.00	46.2970	61.00	134.482	101.00	222.667
8.80	3.46457	9.20	3.62205	9.60	3.77953	10.00	3.93701	22.00	48.5016	62.00	136.686	102.00	224.871

TABLE XLVIII

A TABLE FOR ESTIMATING THE MULTIPLE CORRELATION OF Z IN TERMS OF X & Y GIVEN THE CORRELATIONS R(Z,X), R(Z,Y), R(X,Y)

		----- C -----																										
A	B	-50	-45	-40	-35	-30	-25	-20	-15	-10	-05	.00	.05	.10	.15	.20	.25	.30	.35	.40	.45	.50	.55	.60	.65	.70	.75	.80	.85	.90	.95
.050	.0	8	6	5	3	2	2	1	1	0	0	0	0	0	1	1	2	2	3	5	6	8	10	12	16	20	26	33	45	65	110
.050	.050	50	45	41	38	35	32	29	27	25	23	21	19	17	16	15	13	12	11	10	9	8	7	6	5	4	3	3	2	1	1
.100	.0	15	12	9	7	5	3	2	1	1	0	0	0	1	1	2	3	5	7	9	12	15	20	25	32	40	51	67	90	129	220
.100	.050	53	46	40	35	31	26	23	20	17	14	12	10	8	6	5	3	2	1	1	0	0	0	1	2	4	7	12	20	36	75
.100	.100	100	91	83	75	69	63	58	53	49	45	41	38	35	32	29	26	24	22	20	17	15	14	12	10	8	7	5	4	3	1
.150	.0	23	18	14	10	7	5	3	2	1	0	0	0	1	2	3	5	7	10	14	18	23	30	37	47	60	77	100	135	194	330
.150	.050	58	50	42	36	30	25	21	17	14	11	8	6	4	3	1	1	0	0	0	1	3	5	8	13	19	27	40	60	96	182
.150	.100	102	90	80	71	64	57	51	45	39	35	30	25	23	19	16	13	11	8	6	4	3	1	1	0	0	1	4	9	20	53
.150	.150	150	136	124	113	104	95	87	80	74	68	62	57	52	48	44	40	36	33	29	26	23	20	18	15	13	10	8	6	4	2
.200	.0	31	24	18	14	10	7	4	2	1	0	0	0	1	2	4	7	10	14	18	24	31	39	50	63	80	102	133	180	259	441
.200	.050	65	54	45	38	31	25	20	16	12	9	6	4	2	1	0	0	0	1	3	5	8	13	18	26	36	51	71	103	159	291
.200	.100	106	92	80	70	61	53	46	39	34	28	24	19	16	12	9	7	4	3	1	0	0	0	2	4	8	14	24	40	71	151
.200	.150	151	135	121	108	97	88	79	70	63	56	50	44	39	34	29	25	21	17	14	11	8	6	3	2	0	0	1	4	12	38
.200	.200	200	181	165	151	138	127	116	107	98	90	83	76	70	64	58	53	48	43	39	35	31	27	24	20	17	14	11	8	5	3
.250	.0	39	30	23	17	12	8	5	3	1	0	0	0	1	3	5	8	12	17	23	30	39	49	62	79	100	128	167	225	324	551
.250	.050	71	59	49	40	32	26	20	15	11	8	5	3	1	0	0	0	1	3	6	10	15	21	30	41	55	75	104	147	223	400
.250	.100	111	95	82	70	60	51	43	36	30	24	19	15	11	8	5	3	1	0	0	0	2	4	8	13	21	33	50	79	130	256
.250	.150	154	136	120	106	94	83	73	64	56	48	42	35	30	25	20	16	12	9	6	4	2	0	0	1	2	6	14	27	53	126
.250	.200	201	180	162	146	132	119	107	97	87	78	70	63	56	49	43	38	32	27	23	19	15	11	8	5	2	1	0	1	6	27
.250	.250	250	227	206	189	173	158	145	133	123	113	104	95	87	80	73	66	60	54	49	44	39	34	30	25	21	17	14	10	6	3
.300	.0	46	36	27	20	14	10	6	3	2	0	0	0	2	3	6	10	14	20	27	36	46	59	75	95	120	154	200	269	388	661
.300	.050	79	65	53	43	34	27	20	15	11	7	4	2	1	0	0	1	3	6	10	15	21	30	41	56	74	100	136	191	287	510
.300	.100	116	99	84	71	60	50	42	34	27	21	16	12	8	5	3	1	0	0	1	3	6	10	16	25	37	55	80	120	192	364
.300	.150	158	138	120	105	92	79	69	59	50	42	35	29	23	18	14	10	7	4	2	0	0	1	2	6	12	21	35	60	107	226
.300	.200	203	180	160	143	127	113	101	89	79	69	61	53	45	38	32	27	21	17	12	9	6	3	1	0	0	2	7	18	40	105
.300	.250	251	225	203	183	166	150	136	123	111	101	91	81	73	65	57	50	44	38	32	26	21	17	12	9	5	2	0	0	3	20
.300	.300	300	272	248	226	207	190	174	160	147	135	124	114	105	96	87	79	72	65	59	52	46	41	35	30	25	21	16	12	8	4
.350	.0	54	42	32	24	17	11	7	4	2	0	0	0	2	4	7	11	17	24	32	42	54	69	87	111	140	179	233	314	453	
.350	.050	86	70	57	45	36	28	21	15	10	6	4	2	0	0	1	2	5	8	14	20	29	39	53	71	94	125	169	236	352	620
.350	.100	123	103	87	73	61	50	41	32	25	19	14	10	6	3	1	0	0	1	3	6	11	17	26	38	55	78	111	163	255	473
.350	.150	163	141	122	105	90	77	65	56	46	38	31	24	19	14	9	6	3	1	0	0	1	4	8	15	24	39	62	98	166	331
.350	.200	207	182	160	141	124	109	95	83	72	62	53	45	37	30	24	19	14	10	6	3	1	0	0	2	6	13	25	46	88	200
.350	.250	253	225	201	180	161	144	129	115	102	91	80	70	61	53	45	38	32	26	20	15	11	7	4	1	0	1	4	11	30	89
.350	.300	301	270	244	221	200	182	165	150	136	123	111	101	90	80	71	63	55	48	41	35	29	23	18	13	8	5	2	0	2	15
.350	.350	350	317	289	264	242	222	203	187	172	158	145	133	122	112	102	93	84	76	68	61	54	48	41	35	30	24	19	14	9	4
.400	.0	62	48	36	27	19	13	8	5	2	1	0	1	2	5	8	13	19	27	36	48	62	79	100	126	160	205	267	359	518	
.400	.050	93	76	61	48	38	29	21	15	10	6	3	1	0	0	1	3	7	11	18	26	36	49	65	86	114	150	202	280	416	
.400	.100	129	108	90	75	62	50	40	31	24	18	12	8	5	2	1	0	1	2	5	10	16	25	37	52	73	101	143	206	318	582
.400	.150	169	145	124	106	90	76	64	53	43	35	27	21	15	10	6	3	1	0	0	1	4	9	16	25	39	60	90	139	226	438
.400	.200	211	184	161	140	122	106	92	79	67	57	47	39	31	24	18	13	9	5	2	1	0	1	3	8	15	28	47	80	143	302
.400	.250	256	226	200	177	157	139	123	108	95	83	72	62	52	44	36	29	23	17	12	8	4	2	0	0	2	7	17	35	73	177
.400	.300	302	270	242	217	195	175	157	141	126	113	100	88	78	68	59	50	42	35	28	22	16	11	7	3	1	0	1	7	23	75
.400	.350	351	316	285	258	235	213	194	176	160	145	132	119	107	96	86	76	67	59	51	43	36	29	23	17	12	7	3	0	1	11
.400	.400	400	363	330	302	276	253	232	214	196	180	166	152	139	128	116	106	96	87	78	70	62	54	47	40	34	28	22	16	10	5
.450	.0	70	54	41	30	22	15	9	5	2	1	0	1	2	5	9	15	22	30	41	54	70	89	112	142	180	230	300	404		
.450	.050	101	81	65	52	40	30	22	15	10	6	3	1	0	0	2	5	9	14	22	31	43	58	77	102	133	176	235	325	480	
.450	.100	136	113	94	77	63	51	40	31	23	16	11	7	3	1	0	0	1	4	8	14	23	33	48	66	91	126	175	250	382	
.450	.150	174	149	126	107	90	75	62	51	41	32	24	18	12	8	4	2	0	0	1	4	8	15	24	38	56	82	120	180	288	546
.450	.200	216	187	162	140	121	104	89	75	63	52	42	34	26	20	14	9	5	2	1	0	1	4	8	16	28	46	73	118	201	406
.450	.250	259	228	200	176	154	135	118	103	89	76	65	54	45	36	29	22	16	11	6	3	1	0	1	3	9	19	36	66	124	275
.450	.300	305	271	240	214	191	170	151	134	118	104	91	79	68	58	48	40	32	25	19	13	8	4	2	0	0	4	11	26	60	158
.450	.350	352	315	283	254	229	206	186	167	150	134	120	107	94	83	72	63	53	45	37	29	23	16	11	6	3	0	0	4	17	64

A & B ARE THE LARGER AND SMALLER OF $|R(Z,X)|$ & $|R(Z,Y)|$. IF EXACTLY 1 OR ALL 3 R'S ARE POSITIVE, $C=|R(X,Y)|$. IF NOT, $C=-|R(X,Y)|$.
TABULATED VALUES ARE AMOUNTS X1000 BY WHICH MULTIPLE R EXCEEDS A. BLANK ENTRIES CORRESPOND TO IMPOSSIBLE COMBINATIONS.

TABLE XLVIII

A TABLE FOR ESTIMATING THE MULTIPLE CORRELATION OF Z IN TERMS OF X & Y GIVEN THE CORRELATIONS R(Z,X), R(Z,Y), R(X,Y)

		----- C -----																												
A	B	-50	-45	-40	-35	-30	-25	-20	-15	-10	-05	.00	.05	.10	.15	.20	.25	.30	.35	.40	.45	.50	.55	.60	.65	.70	.75	.80	.85	.90	.95
.450	.400	400	361	327	296	269	245	223	203	184	168	152	138	124	112	100	89	79	69	60	51	43	36	28	22	15	10	5	1	0	9
.450	.450	450	408	372	339	311	285	262	240	221	203	186	171	157	143	131	119	108	98	88	78	70	61	53	45	38	31	24	18	12	6
.500	.0	77	60	46	34	24	16	10	6	3	1	0	1	3	6	10	16	24	34	46	60	77	99	125	158	200	256	333	449		
.500	.050	108	87	70	55	42	32	23	16	10	6	2	1	0	1	3	6	11	18	26	37	51	68	90	117	153	201	268	370		
.500	.100	143	118	98	80	65	51	40	30	22	15	10	6	3	1	0	1	3	6	12	19	29	42	59	81	110	150	207	294	446	
.500	.150	181	153	129	109	91	75	61	49	39	30	22	15	10	6	3	1	0	1	3	7	13	22	34	50	73	105	151	223	351	
.500	.200	221	190	164	141	120	102	86	72	60	48	39	30	22	16	10	6	3	1	0	1	3	8	15	26	42	66	101	158	261	
.500	.250	264	230	201	175	153	132	114	98	84	71	59	48	39	30	23	16	11	6	3	1	0	1	4	10	19	35	59	100	179	377
.500	.300	308	272	240	212	187	165	145	128	111	97	83	71	60	49	40	32	24	18	12	7	3	1	0	1	5	13	27	53	107	251
.500	.350	354	315	281	251	224	200	179	159	142	125	110	97	84	72	61	51	42	34	26	19	13	8	4	1	0	1	7	20	50	141
.500	.400	402	360	324	292	263	238	214	193	174	157	140	125	111	98	86	75	65	55	46	37	29	22	15	10	5	1	0	2	13	55
.500	.450	450	406	368	334	303	276	252	229	209	190	173	157	142	128	114	102	91	80	70	60	51	42	34	26	19	13	7	2	0	6
.500	.500		453	413	377	345	316	291	267	245	225	207	190	174	159	145	132	120	109	98	87	77	68	59	50	42	35	27	20	13	6
.550	.0	85	66	50	37	27	18	11	6	3	1	0	1	3	6	11	18	27	37	50	66	85	109	137	174	220	282	367			
.550	.050	116	93	74	58	44	33	24	16	10	5	2	0	0	1	3	7	13	21	30	43	58	78	102	133	173	226	301	415		
.550	.100	150	124	101	82	66	52	40	30	22	15	9	5	2	0	0	1	4	9	15	24	36	51	71	96	130	175	240	338		
.550	.150	187	158	132	110	92	75	61	48	37	28	20	14	8	4	2	0	0	2	5	11	19	30	44	64	91	128	182	266	414	
.550	.200	227	194	166	141	120	101	85	70	57	45	35	26	19	13	8	4	1	0	0	3	7	14	24	38	58	87	130	199	322	
.550	.250	269	233	202	175	151	130	111	95	80	66	54	43	34	26	18	12	7	3	1	0	1	4	9	18	32	52	85	138	236	
.550	.300	312	274	240	211	185	162	141	122	106	90	76	64	53	42	33	25	18	12	7	3	1	0	1	5	13	26	47	85	159	350
.550	.350	357	316	280	249	221	196	173	153	134	117	102	88	75	63	52	42	33	25	18	12	7	3	1	0	2	8	20	44	93	230
.550	.400	404	360	322	288	258	231	207	185	165	147	130	115	100	87	75	63	53	43	34	26	19	12	7	3	0	0	4	15	42	126
.550	.450		405	365	329	297	269	243	220	198	179	161	144	128	114	100	88	76	65	55	45	36	28	20	13	7	3	0	1	10	47
.550	.500			409	371	338	308	281	256	233	213	193	175	159	143	129	115	103	91	79	68	58	49	40	31	23	16	9	3	0	5
.550	.550				415	380	348	320	294	270	248	228	209	192	175	160	146	132	119	107	96	85	75	65	56	47	38	30	22	14	7
.600	.0	93	72	55	41	29	20	12	7	3	1	0	1	3	7	12	20	29	41	55	72	93	118	150	190	240	307	400			
.600	.050	123	99	78	61	47	35	25	16	10	5	2	0	0	1	4	9	15	24	35	49	66	87	114	148	193	252	335			
.600	.100	157	129	105	85	68	53	41	30	21	14	8	4	1	0	0	2	6	11	19	29	43	60	82	111	149	200	272	383		
.600	.150	194	162	136	113	93	75	60	47	36	26	18	12	7	3	1	0	1	3	8	15	24	38	55	78	109	152	214	309		
.600	.200	233	198	168	143	120	100	83	68	54	43	32	24	16	10	6	2	0	0	2	5	11	20	32	50	74	109	160	240	384	
.600	.250	274	236	204	175	150	128	109	92	76	62	50	39	30	21	14	9	4	2	0	0	3	8	16	28	45	72	112	177	296	
.600	.300	317	276	241	210	183	159	137	118	101	85	71	58	47	36	27	20	13	8	4	1	0	1	5	12	23	41	71	120	214	
.600	.350	361	318	280	247	218	192	168	147	128	110	95	80	67	55	44	35	26	18	12	7	3	0	0	2	8	19	38	72	142	325
.600	.400		361	321	285	254	226	201	178	157	138	121	105	90	77	65	53	43	33	25	17	11	6	2	0	1	5	15	35	81	210
.600	.450			363	325	292	263	236	211	189	169	150	133	117	102	88	75	63	52	42	33	24	17	10	5	1	0	2	11	35	113
.600	.500				367	332	300	272	246	223	201	181	163	145	129	114	100	87	75	64	53	43	34	25	17	10	5	1	0	7	41
.600	.550					372	340	310	283	258	235	214	194	176	159	143	128	114	101	89	77	66	55	45	36	27	19	11	5	0	3
.600	.600						380	349	320	294	271	249	228	209	191	175	159	144	130	117	105	93	82	71	61	51	41	32	24	16	8
.650	.0	101	78	59	44	31	21	13	7	3	1	0	1	3	7	13	21	31	44	59	78	101	128	162	205	260	333				
.650	.050	131	105	83	64	49	36	25	17	10	5	2	0	0	2	5	10	18	27	39	54	73	97	127	164	213	277				
.650	.100	164	135	109	88	70	54	41	30	21	13	8	4	1	0	1	3	8	14	23	35	50	69	94	126	168	225	305			
.650	.150	200	167	139	115	94	76	60	47	35	25	17	11	6	2	0	0	2	5	11	19	31	46	66	92	128	176	246			
.650	.200	239	202	171	144	121	100	82	66	52	40	30	21	14	8	4	1	0	1	3	8	16	27	42	63	92	132	191	283		
.650	.250	279	240	206	176	150	127	107	89	73	59	46	36	26	18	11	6	3	0	0	2	6	13	23	38	61	93	141	217		
.650	.300	321	279	242	210	182	157	134	114	96	80	66	53	42	32	23	15	9	5	1	0	1	4	10	20	35	59	96	158	272	
.650	.350		320	280	246	215	188	164	142	122	104	88	74	60	48	38	28	20	13	7	3	1	0	2	7	16	32	59	105	194	
.650	.400			320	283	251	222	196	172	151	131	113	97	82	68	56	45	35	26	18	11	6	2	0	1	5	13	30	62	126	303
.650	.450				322	288	257	229	204	181	160	141	123	106	91	77	65	53	42	32	24	16	9	4	1	0	2	10	28	70	193
.650	.500					326	294	264	238	213	191	170	151	133	117	102	88	74	62	51	40	31	22	14	8	3	0	1	8	29	101
.650	.550						332	301	273	247	223	201	181	162	145	129	113	99	86	73	61	50	40	30	21	13	7	2	0	5	35
.650	.600							339	309	282	258	235	213	194	175	158	142	126	112	98	86	73	62	51	41	31	22	14	6	1	2
.650	.650								347	319	293	269	247	226	207	189	172	156	141	127	113	101	88	77	66	55	45	35	26	17	8

A & B ARE THE LARGER AND SMALLER OF |R(Z,X)| & |R(Z,Y)|. IF EXACTLY 1 OR ALL 3 R'S ARE POSITIVE, C=|R(X,Y)|. IF NOT, C=-|R(X,Y)|.
TABULATED VALUES ARE AMOUNTS X1000 BY WHICH MULTIPLE R EXCEEDS A. BLANK ENTRIES CORRESPOND TO IMPOSSIBLE COMBINATIONS.

TABLE XLVIII

A TABLE FOR ESTIMATING THE MULTIPLE CORRELATION OF Z IN TERMS OF X & Y GIVEN THE CORRELATIONS R(Z,X), R(Z,Y), R(X,Y)

		----- C -----																										
A	B	-.50	-.45	-.40	-.35	-.30	-.25	-.20	-.15	-.10	-.05	.00	.05	.10	.15	.20	.25	.30	.35	.40	.45	.50	.55	.60	.65	.70	.75	.80	.85	.90	.95
.700	.0	108	84	64	47	34	23	14	8	4	1	0	1	4	8	14	23	34	47	64	84	108	138	175	221	280					
.700	.050	139	111	87	68	51	38	26	17	10	5	2	0	0	2	6	12	20	30	44	60	81	107	139	180	233					
.700	.100	172	140	114	91	72	55	42	30	21	13	7	3	1	0	1	4	9	17	27	40	57	79	106	142	188	250				
.700	.150	207	172	143	117	95	76	60	46	34	24	16	9	5	1	0	0	3	7	14	24	37	54	77	107	147	201	278			
.700	.200	245	207	174	146	121	100	81	65	51	38	28	19	12	7	3	0	0	2	5	12	21	34	52	76	109	155	222			
.700	.250	285	244	208	177	150	126	105	87	70	56	43	32	23	15	9	4	1	0	1	4	9	18	32	50	76	114	170	259		
.700	.300		282	244	210	181	156	132	111	93	76	62	49	37	27	19	12	6	2	0	0	2	7	16	29	49	78	123	196		
.700	.350			281	245	214	185	160	138	117	99	83	68	54	43	32	23	15	9	4	1	0	1	5	14	27	48	83	140	250	
.700	.400				282	248	218	191	167	144	124	106	90	75	61	49	38	28	19	12	6	2	0	0	4	11	25	49	92	177	
.700	.450					284	252	223	197	174	152	132	114	97	82	68	55	44	33	24	16	9	4	1	0	2	9	24	52	113	282
.700	.500						288	257	230	205	181	160	141	123	106	91	76	63	51	40	30	21	13	7	3	0	1	7	23	61	177
.700	.550							293	264	237	213	190	169	150	132	116	100	86	72	59	48	37	27	19	11	5	1	0	5	24	91
.700	.600								299	271	246	222	200	180	161	143	126	111	96	82	69	57	46	35	26	17	9	3	0	3	30
.700	.650										280	255	232	211	191	172	155	138	123	108	94	81	69	57	46	35	25	16	8	2	2
.700	.700											290	266	244	223	204	185	168	152	137	122	108	95	83	71	59	48	38	28	18	9
.750	.0	116	90	68	51	36	25	15	9	4	1	0	1	4	9	15	25	36	51	68	90	116	148	187	237						
.750	.050	146	116	92	71	53	39	27	18	10	5	2	0	0	3	7	13	22	34	48	66	89	117	151	195						
.750	.100	179	146	118	94	74	57	42	30	20	13	7	3	0	0	2	5	11	20	31	46	64	88	118	157	207					
.750	.150	214	178	146	120	97	77	60	46	33	23	15	8	4	1	0	1	4	10	18	29	44	63	89	122	166	225				
.750	.200		212	177	148	122	100	81	64	49	37	26	17	10	5	2	0	0	3	8	16	27	42	62	90	127	179				
.750	.250		248	211	178	150	126	104	85	69	53	41	30	20	13	7	3	0	0	2	6	14	25	41	63	93	136	200			
.750	.300			246	211	180	153	129	108	89	73	58	45	33	24	15	9	4	1	0	1	5	12	23	40	63	99	151	236		
.750	.350				245	212	183	157	134	113	94	78	63	49	38	27	19	11	6	2	0	1	4	10	22	39	66	108	178		
.750	.400					246	215	187	162	139	119	100	83	68	54	42	31	22	14	8	3	1	0	3	9	20	39	71	125	230	
.750	.450						248	218	191	167	145	125	106	89	74	60	47	36	26	18	11	5	1	0	2	7	19	41	80	160	
.750	.500								223	197	173	151	131	113	96	81	66	53	42	31	22	14	7	3	0	1	6	18	44	101	
.750	.550									228	203	180	159	139	121	104	88	74	60	48	37	27	18	10	4	1	0	5	18	53	163
.750	.600										235	210	188	167	148	129	113	97	82	68	56	44	33	23	14	7	2	0	3	19	82
.750	.650											242	219	197	176	157	139	122	107	92	78	64	52	41	30	20	12	5	0	2	26
.750	.700													228	207	187	168	150	134	118	103	89	75	62	50	39	28	18	9	2	1
.750	.750														239	218	199	180	163	146	131	116	102	89	76	63	52	41	30	19	10
.800	.0	124	96	73	54	39	26	16	9	4	1	0	1	4	9	16	26	39	54	73	96	124	158								
.800	.050	154	122	96	74	56	41	29	18	11	5	2	0	1	3	8	15	24	37	53	72	96	126	164							
.800	.100	187	151	122	97	76	58	43	30	20	12	6	2	0	0	2	7	13	23	35	51	72	98	130	172						
.800	.150		183	150	122	98	78	60	45	33	22	14	8	3	1	0	2	6	12	21	34	50	72	100	137	185					
.800	.200			181	150	123	100	80	63	48	35	25	16	9	4	1	0	1	5	11	20	33	50	73	104	146					
.800	.250				180	151	125	103	83	66	51	38	27	18	11	5	2	0	1	4	9	19	32	50	75	110	159				
.800	.300					180	152	128	106	86	69	54	41	30	20	13	7	2	0	0	3	8	17	31	51	79	120	180			
.800	.350						181	154	131	109	90	73	58	45	33	23	15	8	3	1	0	2	7	16	31	52	85	135			
.800	.400							183	157	134	113	94	77	62	49	37	26	17	10	5	1	0	1	6	15	31	55	94	160		
.800	.450								186	161	138	118	99	82	67	53	41	30	20	12	6	2	0	1	5	15	32	60	111		
.800	.500									190	166	143	123	105	88	72	58	45	34	24	15	8	3	0	0	4	14	33	70	146	
.800	.550										194	171	149	129	111	94	78	63	50	38	28	19	11	5	1	0	4	14	37	90	
.800	.600												177	156	136	117	100	85	70	56	44	33	23	14	7	2	0	3	14	46	150
.800	.650													184	163	143	125	108	92	77	63	50	39	28	18	10	4	0	2	16	74
.800	.700														192	171	152	134	117	101	86	72	58	46	34	24	14	6	1	1	23
.800	.750																181	162	144	127	111	96	82	68	55	43	32	21	11	3	1
.800	.800																	192	174	156	140	124	109	94	81	68	55	43	32	21	10
.850	.0	131	102	77	57	41	28	19	10	4	1	0	1	4	10	18	28	41	57	77	102	131									
.850	.050		128	101	77	58	42	29	19	11	5	1	0	1	4	9	16	27	40	57	78	104	136								
.850	.100			126	100	78	59	44	31	20	12	6	2	0	0	3	8	15	26	39	57	79	107	143							
.850	.150				125	100	79	61	45	32	22	13	7	3	0	0	2	7	14	25	39	57	81	112							

A & B ARE THE LARGER AND SMALLER OF |R(Z,X)| & |R(Z,Y)|. IF EXACTLY 1 OR ALL 3 R'S ARE POSITIVE, C=|R(X,Y)|. IF NOT, C=-|R(X,Y)|.
TABULATED VALUES ARE AMOUNTS X1000 BY WHICH MULTIPLE R EXCEEDS A. BLANK ENTRIES CORRESPOND TO IMPOSSIBLE COMBINATIONS.

TABLE XLVIII

A TABLE FOR ESTIMATING THE MULTIPLE CORRELATION OF Z IN TERMS OF X & Y GIVEN THE CORRELATIONS R(Z,X), R(Z,Y), R(X,Y)

A	B	----- C -----																										
		-50	-45	-40	-35	-30	-25	-20	-15	-10	-05	.00	.05	.10	.15	.20	.25	.30	.35	.40	.45	.50	.55	.60	.65	.70	.75	.80	.85	.90	.95
.850	.200					125	101	80	62	47	34	23	15	8	3	1	0	2	6	14	24	39	58	84	118						
.850	.250						125	102	82	64	49	36	25	16	9	4	1	0	2	6	13	24	39	60	89	128					
.850	.300							126	104	84	67	51	38	27	18	10	5	1	0	1	5	12	23	40	63	95	141				
.850	.350								128	106	86	69	54	41	29	20	12	6	2	0	1	4	12	23	41	67	105				
.850	.400									130	109	89	72	57	44	32	22	13	7	3	0	0	4	11	23	43	73	120			
.850	.450										133	112	93	76	60	47	35	24	15	8	3	0	0	3	11	24	46	82	145		
.850	.500											136	116	97	80	64	50	38	27	18	10	4	1	0	3	10	25	51	99		
.850	.550												140	120	101	84	69	55	42	30	20	12	6	1	0	2	10	27	61	133	
.850	.600													145	125	107	90	74	59	46	34	24	15	7	2	0	2	10	31	80	
.850	.650															131	113	95	80	65	51	39	28	18	10	3	0	1	11	40	138
.850	.700																138	120	102	86	71	57	44	33	22	13	5	1	1	13	67
.850	.750																	146	128	111	94	79	65	51	39	27	17	8	2	1	20
.850	.800																			137	120	104	89	74	60	47	35	23	13	4	0
.850	.850																				148	131	116	100	86	72	59	46	34	22	11
.900	.0			82	61	43	30	19	10	5	1	0	1	5	10	19	30	43	61	82											
.900	.050				81	60	44	30	19	11	5	1	0	1	4	10	18	29	43	61	84										
.900	.100					80	61	44	31	20	12	6	2	0	1	4	9	17	29	44	63	87									
.900	.150						80	61	45	32	21	12	6	2	0	1	3	9	17	29	44	64	90								
.900	.200							80	62	46	33	22	13	7	2	0	0	3	8	17	29	45	67	95							
.900	.250								81	63	47	34	23	14	7	3	0	0	3	8	17	29	47	70							
.900	.300									82	64	49	35	24	15	8	3	1	0	2	8	17	30	49	75						
.900	.350										83	66	50	37	26	17	9	4	1	0	2	7	17	31	52	82					
.900	.400											85	68	52	39	28	18	10	5	1	0	2	7	17	32	56	91				
.900	.450												87	70	55	41	30	20	11	5	1	0	2	7	17	35	62				
.900	.500													90	73	57	44	32	21	13	6	2	0	1	7	18	38	72			
.900	.550														93	76	61	47	34	24	15	7	2	0	1	7	20	44	88		
.900	.600															97	80	64	50	37	26	17	9	3	0	1	7	22	53		
.900	.650																	84	68	54	41	29	19	10	4	0	1	8	26	72	
.900	.700																		89	73	59	45	33	22	13	5	1	1	8	35	
.900	.750																			96	79	64	50	37	26	16	7	1	0	10	61
.900	.800																					87	71	57	43	31	20	10	2	0	17
.900	.850																						95	80	65	51	38	26	14	5	0
.900	.900																								91	76	62	49	36	23	11
.950	.0					46	31	20	11	5	1	0	1	5	11	20	31	46													
.950	.050						45	31	20	11	5	1	0	1	5	11	20	31	47												
.950	.100							45	31	20	11	5	1	0	1	4	11	20	32	48											
.950	.150								45	31	20	12	6	2	0	1	4	10	20	33	50										
.950	.200									45	32	21	12	6	2	0	1	4	10	20	34										
.950	.250										46	32	21	13	6	2	0	1	4	11	21	35									
.950	.300											46	33	22	13	7	2	0	1	4	11	21	37								
.950	.350												47	34	23	14	7	2	0	1	4	11	22	39							
.950	.400													48	35	24	15	8	3	0	0	4	11	23	42						
.950	.450														50	36	25	16	8	3	0	0	4	12	25	47					
.950	.500																38	26	17	9	3	0	0	4	13	28					
.950	.550																	40	28	18	10	4	1	0	4	14	31				
.950	.600																		42	30	19	11	5	1	0	4	15	37			
.950	.650																			45	32	21	12	5	1	0	5	18	46		
.950	.700																				48	35	23	14	6	1	0	5	22		
.950	.750																						38	26	16	7	2	0	6	30	
.950	.800																							43	30	19	9	2	0	8	
.950	.850																								48	35	22	12	3	0	15
.950	.900																										41	28	16	6	0
.950	.950																												38	25	12

A & B ARE THE LARGER AND SMALLER OF |R(Z,X)| & |R(Z,Y)|. IF EXACTLY 1 OR ALL 3 R'S ARE POSITIVE, C=|R(X,Y)|. IF NOT, C=-|R(X,Y)|.
TABULATED VALUES ARE AMOUNTS X1000 BY WHICH MULTIPLE R EXCEEDS A. BLANK ENTRIES CORRESPOND TO IMPOSSIBLE COMBINATIONS.

PARTIAL CORRELATION COEFFICIENTS

The correlation between variables *1* and *2* with variable *3* partialed out is equal to

$$\frac{r_{1,2} - r_{1,3}\, r_{2,3}}{\sqrt{(1 - r_{1,3}^2)\ (1 - r_{2,3}^2)}}$$

and is sometimes denoted by $r_{1,2 \cdot 3}$. A sequence of formulas for use when 2, 3, or more variables are partialed out can be written down. However, it is probable that in most computations, the calculation of the higher order partial correlation coefficients will be carried out using this formula with the r's involved being the partial coefficients just obtained. The partial coefficients reported in table XXXI with weight and stature partialed out were computed by partialing out stature from the coefficients given above the diagonal in table XXX; they could equally well have been obtained by partialing out weight from the coefficients below the diagonal in that table. The coefficients below the diagonal in table XXXI were computed from those above the diagonal by partialing out age.

APPENDIX IV

FORMULAS FOR STATISTICS OF COMPUTED VARIABLES

FORMULAS FOR STATISTICS OF COMPUTED VARIABLES

It is often possible to approximate the common statistical measures for functions of two or more variables in terms of the basic statistical measures—including the intercorrelations—of the original variables.

Linear combinations—sums and differences fall into this category—are particularly simple, and the means and standard deviations of such functions can be stated precisely. Thus, the function

$$Z = \Sigma \alpha_j X_j$$

had the mean value

$$\overline{Z} = \Sigma \alpha_j \overline{X}_j$$

and the standard deviation

$$SD_z = \sqrt{\Sigma \alpha_i \alpha_j \, r_{i,j} \, SD_i \, SD_j}$$

For the most common of the linear combinations, the differences between two variables and the sum of two variables these formulas become:

$$U = X - Y$$
$$\overline{U} = \overline{X} - \overline{Y}$$
$$SD_u = \sqrt{SD_x^2 - 2r \, SD_x \, SD_y + SD_y^2}$$

and

$$W = X + Y$$
$$\overline{W} = \overline{X} + \overline{Y}$$
$$SD_w = \sqrt{SD_x^2 + 2r \, SD_x \, SD_y + SD_y^2}$$

There is no corresponding formula for such statistics as the percentiles, although these statistics may be approximated by assuming that the computed variable is normally distributed. In theory, the assumption that each of a pair of variables is normally distributed does not guarantee that a linear function of the two is also normally distributed, but it is difficult to imagine this not being the case with the type of data considered in this report.

The estimate:

$$\overline{U} + 1.645 \, SD_u$$

for the 95% percentile of W is, for any combination of variables reported here except the skinfold measurements, probably no poorer an estimate than

$$\overline{X} + 1.645 \, SD_x$$
$$\overline{Y} + 1.645 \, SD_y$$

are for the 95th percentiles of X and Y themselves.

The correlation coefficient for a pair of linear combinations can be computed exactly. If

$$U = \Sigma \alpha_i X_i$$
$$W = \Sigma b_j X_j$$

then

$$r_{U,W} = \frac{\Sigma \, \alpha_i \, b_i \, r_{i,i} \, SD_i \, SD_i}{\sqrt{(\Sigma \, \alpha_i \, \alpha_j \, r_{i,j} \, SD_i \, SD_j)(\Sigma \, b_k \, b_l \, r_{k,l} \, SD_k \, SD_e)}}$$

With modern computers, it may usually be simpler to compute the values of U and V and compute the correlation coefficient directly.

After the linear combinations, the simplest computed variable of conventional interest to the physical anthropologist is the ratio. Exact statistics for the ratio cannot be computed from the statistics for the variables involved, but reasonably accurate approximations can be made when the coefficient of variation of the divisor variable is small.

Considering the ratio

$$Z = X/Y$$

we can let

$$X = \overline{X}\,(1+x)$$

$$Y = \overline{Y}\,(1+y)$$

and

$$Z = \frac{\overline{X}\,(1+x)}{\overline{Y}\,(1+y)}$$

The new variables, x and y, will have mean values of zero and standard deviations equal to the coefficients of variation of X and Y.

This quotient can be written—on the basis of simple division or series expansion—as

$$Z = \frac{\overline{X}}{\overline{Y}}(1+x)\ (1-y+y^2-y^3+\ldots)$$

or, with some approximation,

$$Z = \frac{\overline{X}}{\overline{Y}}(1+x-y-xy+y^2)$$

The mean value of this ratio is, thus, approximately

$$\overline{Z} = \frac{\overline{X}}{\overline{Y}}(1-r_{x,y}\,V_x\,V_y + V_y^2)$$

V_x and V_y being the coefficients of variation of X and Y.

In arriving at this result we have assumed that terms in x and y of degree higher than the second can be ignored and that the distributions of X and Y are sufficiently close to symmetrical so that Σxy^2 can be treated as zero.

If Y, the divisor variable, has a very low coefficient of variation—stature, for example, with V = 4% — the difference between Z and $\overline{X}/\overline{Y}$ will be small. Thus, for the ratio of waist height to stature, since

$\overline{X} =$ 100.28 cm
$\overline{Y} =$ 162.10 cm
$V_x = 4.49\%$
$V_y = 3.70\%$
$r_{xy} = 0.916$

we have

$$\overline{Z} = \frac{100.28}{162.10}\ (1 - 0.916 \cdot 0.0449 \cdot 0.0370 + (0.0370)^2) = 0.6185 = 61.85\%$$

The value given by direct calculation of the individual values (see variable 233) is also 61.85%. The value as given by this approximation and by direct calculation thus differs little from the ratio of the mean values of waist height and stature (61.86%). For ratios based on divisors with high coefficients of variations, such agreement cannot be anticipated.

One can derive an approximation to the standard deviation of a ratio by the method used to approximate the mean, but the process is somewhat cumbersome. A simpler procedure is to use the following theorem:

Let F and Y be reasonably well behaved functions of the statistical variables $X_1, X_2, \ldots, X_k$, all of which possess distributions such that the $V_i = SD_i/X_i$ are "small" then, approximately,

$$\text{the mean value of } F = F(\overline{X}_1, \overline{X}_2, \ldots \overline{X}_k) + 0.5 \Sigma \frac{\delta^2 F}{\delta X_i \, \delta X_j} \text{cov}(X_i, X_j),$$

$$\text{the standard deviation of } F = \sqrt{\sum \frac{\delta F}{\delta X_i} \cdot \frac{\delta F}{\delta X_j} \text{cov}(X_i, X_j)},$$

$$\text{and the correlation of F and Y} = \frac{\sum \frac{\delta F}{\delta X_i} \cdot \frac{\delta Y}{\delta X_j} \text{cov}(X_i, X_j)}{SD_F \cdot SD_Y}$$

The expression cov (X_iX_j) is to be interpreted as meaning $r_{ij}\, SD_i\, SD_j$ or, if i = j, as SD_i^2. The derivatives are to be evaluated at the point $X_i = \overline{X}_i$. In the third formula, the X_i's include all variables appearing in either F or Y. (Churchill, 1963).

Restating this theorem in terms of two basic variables, we get:

Let U and W be reasonably well behaved functions of X and Y, X and Y being statistical variables with "small" coefficients of variation, V_x and V_y, then, approximately,

$$\text{the mean value of U} = U(\overline{X}, \overline{Y}) + \frac{\delta^2 F}{\delta X^2} SD_x^2 + \frac{\delta^2 F}{\delta X \, \delta Y} r_{x,y} SD_x SD_y + \frac{\delta^2 F}{\delta Y^2} SD_y^2$$

$$\text{the standard deviation of U} = \sqrt{\left(\frac{\delta U}{\delta X} SD_x\right)^2 + 2 \frac{\delta U}{\delta X} \frac{\delta U}{\delta Y} r_{x,y} SD_x SD_y + \left(\frac{\delta U}{\delta Y} SD_y\right)^2}$$

$$\text{and the correlation of U and W} = \frac{\frac{\delta U}{\delta X} \frac{\delta W}{\delta X} SD_x^2 + \left(\frac{\delta U}{\delta Y} \frac{\delta W}{\delta X} + \frac{\delta U}{\delta Y} \frac{\delta W}{\delta X}\right) r_{x,y} SD_x SD_y + \frac{\delta U}{\delta Y} \frac{\delta W}{\delta Y} SD_y^2}{SD_U SD_W}$$

Before applying this to the problem of estimating the standard deviation of a ratio, let us use it to derive the results we already have.

If:

$U = X - Y$, then $\frac{\delta U}{\delta X} = 1, \frac{\delta U}{\delta Y} = -1$, all second and higher derivatives being zero. Hence,

$$\overline{U} = \overline{X} - \overline{Y}$$

$$SD_u = \sqrt{SD_x^2 - 2r_{xy} SD_x SD_y + SD_y^2}$$

If, in addition,

$W = X + Y$, then $\frac{\delta W}{\delta X} = 1, \frac{\delta W}{\delta Y} = 1,$

and the correlation between U and W is equal to:

$$\frac{1 \cdot 1 \cdot SD_x^2 + (1 \cdot 1 - 1 \cdot 1)\, r_{xy}\, SD_x\, SD_y - 1 \cdot 1\, SD_y^2}{SD_u \cdot SD_w} = \frac{SD_x^2 - SD_y^2}{SD_u \cdot SD_w}$$

Returning to the ratio

$$U = X/Y, \begin{cases} \frac{\delta U}{\delta X} = \frac{1}{\overline{Y}}, \frac{\delta^2 U}{\delta X^2} = 0, \frac{\delta^2 U}{\delta X \delta Y} = \frac{-1}{\overline{Y}^2} \\ \text{and} \quad \frac{\delta U}{\delta Y} = \frac{-X}{\overline{Y}^2}, \frac{\delta^2 U}{\delta Y^2} = \frac{2X}{\overline{Y}^3}, \frac{\delta^2 U}{\delta Y \delta X} = \frac{-1}{\overline{Y}^2} \end{cases}$$

Since these derivatives are to be evaluated at the centroid of the X, Y distribution, we replace X and Y in these expressions by $\overline{X}$ and $\overline{Y}$.

Thus, the mean

$$U = \frac{\overline{X}}{\overline{Y}} + \left(0 - \frac{1}{\overline{Y}^2}\right) \cdot r_{x,y}\, SD_x\, SD_y + 2\frac{\overline{X}}{\overline{Y}^3} SD_y^2$$

$$= \frac{\overline{X}}{\overline{Y}} \left(1 - r_{x,y} \frac{SD_x}{\overline{X}} \frac{SD_y}{\overline{Y}} + 2 \frac{SD_y^2)}{\overline{Y}^2}\right)$$

$$= \frac{\overline{X}}{\overline{Y}} (1 - r_{x,y}\, V_x\, V_y + 2\, V_y^2)$$

as was previously obtained.

The standard deviation for the ratio W equals, approximately,

$$\sqrt{\left(\frac{1}{\overline{Y}} SD_x\right)^2 + 2\frac{1}{\overline{Y}} \frac{-\overline{X}}{\overline{Y}^2} r_{x,y}\, SD_x\, SD_y + \left(\frac{-\overline{X}}{\overline{Y}} SD_y\right)^2}$$

$$= \frac{\overline{X}}{\overline{Y}} \sqrt{\left(\frac{SD_x}{\overline{X}}\right)^2 - 2r_{x,y} \frac{SD_x}{\overline{X}} \frac{SD_y}{\overline{Y}} + \left(\frac{SD_y}{\overline{Y}}\right)^2}$$

$$= \frac{\overline{X}}{\overline{Y}} \sqrt{V_x^2 - 2r_{x,y}\, V_x\, V_y + V_y^2}$$

For the ratio of waist height to stature, mentioned above, this estimate becomes:

$(100.28/162.10)\ \sqrt{(4.49)^2 - 2 \cdot 0.916 \cdot 4.49 \cdot 3.70 + (3.70)^2} = 0.6186 \times 1.847 = 1.14\%$

a value agreeing well with the computed standard deviation value of 1.15%.

A correlation sometimes of interest is that between the ratio and its denominator.

If: U = X/Y and W = Y, we have

$$\begin{cases} \frac{\delta U}{\delta X} = \frac{1}{\overline{Y}}, & \frac{\delta U}{\delta Y} = \frac{-X}{\overline{Y}^2}, \\ \frac{\delta W}{\delta X} = 0, & \frac{\delta W}{\delta Y} = 1. \end{cases}$$

Hence:

$$r_{u,w} = \frac{\left(\frac{1}{\overline{Y}}\right)(0)\,SD_x^2 + \left(\left(\frac{1}{\overline{Y}}\right)\cdot(1) + \left(\frac{-\overline{X}}{\overline{Y}^2}\right)\cdot(0)\right) r_{x,y}\,SD_x\,SD_y + \left(\frac{-\overline{X}}{\overline{Y}^2}\right)(1)\,SD_y^2}{\left(\frac{\overline{X}}{\overline{Y}}\sqrt{V_x^2 - 2r_{x,y}\,V_x\,V_y + V_y^2}\right)\cdot(SD_y)}$$

$$= \frac{\frac{1}{\overline{Y}}\,r_{x,y}\,SD_x\,SD_y - \frac{-\overline{X}}{\overline{Y}^2}\,SD_y^2}{\left(\frac{\overline{X}}{\overline{Y}}\sqrt{V_x^2 - 2r_{x,y}\,V_x\,V_y + V_y^2}\right)SD_y}$$

$$= \frac{r_{x,y}\,V_x - V_y}{\sqrt{V_x^2 - 2r_{x,y}\,V_x\,V_y + V_y^2}}$$

The correlation between cephalic index (head breadth/head length) and head length as approximated by this formula is:

$$r_{u,w} = \frac{0.115 \cdot 4.10 - 3.69}{\sqrt{(4.10)^2 - 0.230 \cdot 4.10 \cdot 3.69 + (3.69)^2}} = 0.620.$$

APPENDIX V

EXPLANATION OF ANTHROPOMETRIC TERMS

EXPLANATION OF ANTHROPOMETRIC TERMS

Abdominal Extension Level — The most anterior point on the curve of the abdomen in the midsagittal plane.

Abduct — To move from the axis of the body or one of its parts.

Acromion — The most lateral point of the lateral edge of the acromial process of the scapula (shoulder blade).

Ankle Level—The level of the minimum circumference of the ankle as established by measuring. Proximal to the malleoli (rounded bony prominences on either side of ankle).

Anterior — Pertaining to the front of the body; as opposed to posterior.

Auricular — Pertaining to the external ear.

Axilla — The arm pit.

Biceps Brachii — The large muscle on the anterior surface of the upper arm.

Biceps Femoris — A large posterior muscle of the thigh.

Brow Ridges — The bony ridges of the anterior forehead which lie above the orbits of the eye.

Bust Circumference Level — The level of the right bustpoint.

Bust Level—The level of the right bustpoint.

Bustpoint—Most anterior protrusion of the right bra pocket.

Buttock Protrusion — The maximum posterior protrusion of the right buttock.

Calf Level (Right and Left)—The level of the maximum circumference of the calf as established by measurement.

Cervicale — The protrusion of the spinal column at the base of the neck caused by the tip of the spine of the 7th cervical vertebra.

Cheilion — The corners of the mouth formed by the juncture of the lips.

Coronal Plane — Any vertical plane at right angles to the midsagittal plane.

Cutaneous Lip — The area between the upper lip and the nose.

Dactylion — The tip of the middle finger.

Deltoid Muscle — The large muscle on the lateral border of the upper arm in the shoulder region.

Distal — The end of a body segment farthest from the head; opposed to proximal.

Epicondyle — Bony eminence at the distal end of the humerus and femur.

Ectocanthus — The outside corner or angle formed by the meeting of the eyelids.

Extend — To move adjacent segments so that the angle between them is increased as when the leg is straightened; opposite of flex.

Femoral Epicondyles — The bony projections on either side of the distal end of the femur.

Femur — The thigh bone.

Flex — To move a joint in such a direction as to bring together the two parts which it connects, as when the elbow is bent.

Forearm Level — A level one tape width (6mm) distal to the crotch of elbow with the elbow flexed 90 degrees.

Fossa — A depression usually more or less longitudinal in shape below the level of the surface of a part.

Frankfort Plane — The standard horizontal plane or orientation of the head. The plane is established by a line passing through the right tragion and the lowest point of the right orbit (eye socket).

Glabella — The most anterior point of the forehead between the brow ridges in the midsagittal plane.

Gluteal Furrow — The furrow at the juncture of the buttock and thigh.

Gonial Angle — The obtuse angle at the back of the lower jaw formed by the intersection of the vertical and horizontal portions of the jaw.

Hip Circumference 7 — The girth of the hips 7 inches below the waist circumference level.

Hip Circumference 9 — The girth of the hips 9 inches below the waist circumference level.

Humeral Epicondyles — The bony projections on either side of the distal end of the humerus.

Humerus — The upper arm bone.

Hyperextend — To overextend a limb or part of the body.

Inferior — Below in relation to another structure; lower.

Inseam — A term used in tailoring to indicate the inside length of a sleeve or trouser leg. It is measured on the medial side of the arm or leg.

Lateral — Lying near or toward the sides of the body; opposed to medial.

Lateral Malleolus — The lateral bony protrusion of the ankle.

Mandible — The lower jaw.

Medial — Lying near or towards the midline of the body; opposed to lateral.

Metacarpal — Pertaining to the long bones of the hand between the wrist and the phalanges.

Metatarsal — Pertaining to the long bones of the foot between the tarsus and the phalanges.

Menton — The point of the tip of the chin in the midsagittal plane.

Midaxillary Line (Right and Left) — A vertical line passing through the center of the axilla.

Midpatella — A point one-half the distance between the superior and inferior margins of the right patella.

Midshoulder — A point one-half the distance between the right neck landmark and the right acromion.

Midsagittal Plane — The vertical plane which divides the body into right and left halves.

Nasal Root Depression — The area of greatest indentation where the bridge of the nose meets the forehead.

Nasal septum — The fleshy structure that separates the two nostrils.

Nuchale — The lowest point in the midsagittal plane of the occiput that can be palpated among the muscles in the posterior-superior part of the neck. This point is often visually obscured by hair.

Occular—Pertaining to the eyes.

Occiput—A bone forming the posterior base of the skull.

Olecranon — The proximal end of the ulna (the medial forearm bone).

Patella—The kneecap.

Phalanges—The bones of the fingers and toes.

Popliteal—Relating to the popliteal ligament or the back of the knee.

Pronasale—The most anterior point on the nose.

Posterior—Pertaining to the back of the body; as opposed to anterior.

Proximal—The end of a body segment nearest the head; opposed to distal.

Radiale—The uppermost point on the lateral margin of the head of the radius.

Radius—The bone of the forearm on the thumb side of the arm.

Scapula—The shoulder blade.

Scye—A tailoring term to designate the armhole of a garment. Refers here to landmarks which approximate the lower level of the axilla.

Sellion—The point of greatest indentation of the nasal root depression.

Stomion—The point of contact in the midsagittal plane between the upper and lower lips.

Stylion—The most distal point on the styloid process of the radius.

Spinous Process—(of vertebrae) The posterior prominences of the vertebrae.

Subnasale—The point where the base of the nasal septum meets the philtrum (the groove in the upper lip).

Superior—Above in relation to another structure; higher.

Suprasternale—The lowest point in the notch in the upper edge of the breast bone.

Surface Distance—A measurement that follows the general contours of the surface of the body.

Tibiale—The uppermost point of the medial margin of the tibia (shin bone).

Tragion—The point located at the notch just above the tragus of the ear.

Tragus—The small cartilaginous flap of flesh in front of the ear hole.

Trochanterion—The tip of the bony lateral protrusion of the proximal end of the femur (thigh bone).

Ulna—One of the bones of the forearm on the little finger side of the arm.

Waist—The level established by the subject placing an elastic tape around her "natural waist".

Wrist Level—The level of the extension of the radial stylion point across the anterior surface of the forearm perpendicular to the long axis of the forearm.

Zygomatic Arch—The bony arch extending horizontally along the side of the head from the cheekbone nearly to the external ear.

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MEASUREMENT INDEX

The Measurement Index is divided into two parts, Part A and Part B.

PART A

Part A, which begins on the next page, has a single entry for each of the measurement variables. In this entry is listed the location of the visual index drawing; the location of the basic statistical summaries with, for variables 3 to 125, the accompanying descriptions, photographs, drawings, and frequency graphs; the locations of the statistical summaries for the officer and enlisted subgroups and (when such summaries exist) for the over-foundation-garment subgroup. For each variable, lists of the indices and computed variables which involve this variable are given with the location of their statistical summaries. Finally, this index provides, for each variable, a list of the bivariate tables of which it is one of the variates.

The order of the variable listings in this index and the order of the paired variables in the bivariate table listings are alphabetical. The indices and computed variables are listed in numerical order.

There are no cross references or groupings of variables by anatomical types or measurement techniques in Part A.

PART B

Part B, which begins on page 1148, contains references only to the basic statistics summaries and to the accompanying descriptions, drawings, photographs, and frequency plots.

Many of the variables are included in groupings based on anatomical types or measurement techniques. Most measurement variables thus appear several times in this index. For example, head circumference is indexed in the appropriate alphabetic sequence and is, in addition, listed among the variables grouped as 'head and face measurements' and among those grouped as circumferences. A number of entries of alternate measurement names refer the reader to the names which we have used.

The reader, we assume, will find the information which he wishes most easily at times in Part A and at other times in Part B.

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#350 BUSTPOINT HEIGHT MINUS X P.1014
#358 WAIST HEIGHT MINUS X P.1016
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#344 SUPRASTERNALE HT MINUS P.1014
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#361 WAIST HEIGHT MINUS X P.1016
#368 ABDOMINAL EXT HT MINUS X P.1016
#374 TROCHANTERIC HGT MINUS X P.1018
#379 BUTTOCK HEIGHT MINUS X P.1018
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#433 ECTOCANTHUS TO PRONASALE P.1024
#434 ECTOCANTHUS TO SUBNASALE P.1024
#435 ECTOCANTHUS-MOUTH OPEN. P.1024
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#433 ECTOCANTHUS TO PRONASALE P.1024
#434 ECTOCANTHUS TO SUBNASALE P.1024
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#484 X MINUS FOREARM C,FLEXED P.1030

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#398 EYE HEIGHT, SIT MINUS X P.1020
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ENLISTED SERIES SUMMARIES P.1060
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#483 BICEPS,FLEXED,RT MINUS X P.1030
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#413 FOREARM C, FLEX, MINUS X P.1022
#482 BICEPS,RELAXED,R MINUS X P.1030
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#359 WAIST HEIGHT MINUS X P.1016
#366 ABDOMINAL EXT HT MINUS X P.1016
#372 TROCHANTERIC HGT MINUS X P.1016
#377 BUTTOCK HEIGHT MINUS X P.1018
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