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THESIS

AN EMPIRICAL ANALYSIS OF THE NAVY JUNIOR
RESERVE OFFICER TRAINING CORPS (NJROTC)

by

Henry Alan Zwartz

December 1987

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An Empirical Analysis of the
Navy Junior Reserve Officer Training Corps (NJROTC)

by

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Submitted in partial fulfillment of the
requirements for the degree of

MASTER OF SCIENCE IN MANAGEMENT

from the

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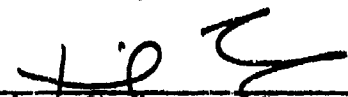
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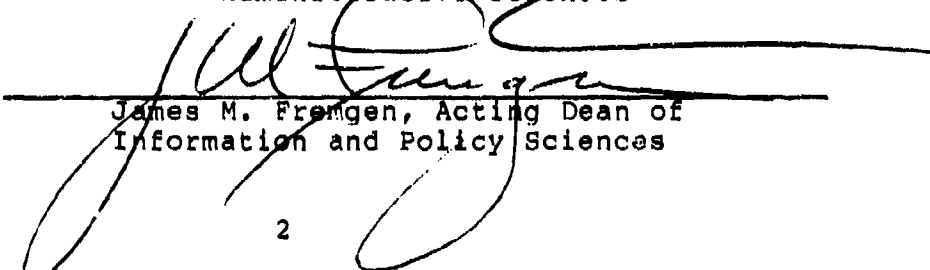

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ABSTRACT

This thesis examined the Navy Junior Reserve Officer Training Corps program. Data from Defense Manpower Data Center accession and separation files were used to build a profile of this program. Statistical analysis performed provided information which is useful in measuring the performance of the Navy Junior Reserve Officer Training Corps program in relation to similar programs operated by the other military branches. Results of this analysis indicate the areas where the Navy Junior Reserve Officer Training Corps can become more efficient. An accurate means of tracking military accessions was also produced.



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I. INTRODUCTION

A. PROBLEM

There used to be a time when the Department of Defense would be granted most of its requests for increased spending in order to strengthen the military power and defense posture of the United States military. Budget deficits became the norm. It was not until the budget deficits started growing at alarming rates that they became major political issues in the campaigns of politicians.

While candidates for political office gave promises to balance the budget if they were elected, these promises went unfulfilled. Congressional leaders have finally acknowledged that the free-spending spirit of the government must be curtailed. With the passage of the Gramm-Rudman Bill, legislators are now beginning to consider budget cuts in order to reduce the federal deficit.

Obviously, one of the major problems of budget cutting is trying to decide what types of cuts should be made. Many programs are undergoing some type of budget reduction. The Junior Reserve Officer Training Corps (JROTC) program has not been immune to these reductions. With an initial authorization level of 1,600 JROTC units divided among the Army, Navy, Marine Corps, and Air Force, the total for all services is presently frozen at 1,479 units. This is shown

in Table 1. As Table 1 indicates, the Services are presently at about 8 percent below their authorization level. Due to a reduced budget, the Services are not allowed to expand beyond their current levels.

Program Managers for the Navy Junior Reserve Officer Training Corps (NJROTC) need information that will allow them to make more knowledgeable decisions about where and how their budgets can be trimmed.

TABLE 1		
NUMBER OF JUNIOR RESERVE OFFICER TRAINING CORPS (JROTC) UNITS AUTHORIZED AND ON-LINE BY SERVICE, SEPTEMBER 1987		
SERVICE	CURRENT AUTHORIZATION	AS OF SEP 87 ON-LINE
ARMY	896	862 (96%)
NAVY	289	241 (83%)
MARINES	80	80 (100%)
AIR FORCE	335	296 (88%)
TOTAL	1,600	1,479 (92%)
SOURCE: CHIEF OF NAVAL EDUCATION AND TRAINING, SEPTEMBER 1987.		

This thesis attempts to provide an empirical analysis of the NJROTC program. In so doing, it answers several questions about NJROTC graduates such as:

- What states do those who enlist in the military come from?
- What branch of the military do they enter?

- What is their Armed Forces Qualification Test (AFQT) category?
- What age are they most likely to enter the military?
- What career fields do they enter?

Answers to these questions are not only valuable to program managers, but can also be of value to recruiters of NJROTC graduates. This will be shown in Section III of the thesis. Data used were for fiscal years 1977 through 1986. Fiscal year 1987 data were not used because final updates of data files for 1987 were not completed in time for inclusion in this study.

B. BACKGROUND

The JROTC program can trace its origins back to 1911. However, the Army JROTC program was not officially recognized until the National Defense Act of 1916. The ROTC Revitalization Act of 1964 increased the number of JROTC units authorized and required the Air Force, Navy, and Marine Corps to establish JROTC programs. By 1966, all of the Services had activated their respective programs.¹

The JROTC program is a Department of Defense-funded voluntary training program for high school men and women in grades 9 through 12. There are currently over 219,000 cadets enrolled in JROTC units nationwide. Their distribution by Service is shown in Table 2.²

TABLE 2	
NUMBER OF JUNIOR RESERVE OFFICER TRAINING CORPS (JROTC) CADETS BY SERVICE, SEPTEMBER 1987	
SERVICE	NUMBER OF CADETS
ARMY	136,502
NAVY	30,728
MARINES	10,660
AIR FORCE	41,505
TOTAL	219,395
SOURCE: CHIEF OF NAVAL EDUCATION AND TRAINING, SEPTEMBER 1987.	

The ROTC Revitalization Act of 1964 put the responsibility of establishing JROTC units on the Secretary of each of the Military Departments. The act also called for an equitable geographical distribution of JROTC units throughout the nation. A minimum of 100 students are necessary for establishment and continuation of a unit. Schools are required to provide adequate facilities for classrooms, equipment storage space, and drill areas, and conduct, as a minimum, a three-year course of military instruction. Course membership in JROTC is limited to students who maintain academic and discipline standards acceptable to the military. The Services are required to provide necessary texts, equipment, and uniforms, and to establish the performance standards for their units. No military obligation is incurred for participating in JROTC.³

To enroll in the JROTC program, a student must be:

1. A citizen of the United States.
2. 14 years of age or older.
3. In good academic standing in school.
4. Able to participate in the physical education program of the school.
5. Selected by the military instructor and school officials.
6. Able to pass prescribed screening tests.

The JROTC program is a joint effort by the military and local school authorities to provide high school students with military science information consistent with other fields in secondary education. The JROTC program is built upon contemporary concepts of education and its goals and objectives are tuned to the needs of today's student. As prescribed by the implementing legislation, certain traditional concepts are included. The JROTC program, however, is specifically designed to meet the requirements of this era of scientific achievement and technological development, and the program is expected to play a key part in preparing future citizens for their roles in modern society.⁴

The JROTC program provides an opportunity for secondary school students to learn about the basic elements and requirements for national security and their personal obligations as Americans. As described in the NJROTC

Information Booklet, the JROTC program has the following specific goals and objectives.⁵

1. Goals

- a. Develop informed and responsible citizens.
- b. Strengthen character.
- c. Promote an understanding of the basic elements and requirements for national security.
- d. Develop habits of self-discipline.
- e. Develop respect for and understanding of the need for constituted authority in a democratic society.
- f. Develop an interest in the military services as a possible career.

2. Objectives

- a. Students will be able to readily accept the responsibility and importance of citizenship as it relates to the democratic principles upon which our country is founded.
- b. Students will be able to use operative principles of military leadership to attain a given goal or objective.
- c. Students will be able to achieve group solidarity and unit pride through the use of teamwork concepts.
- d. Students will be able to learn to use the chain of command as a means for communicating a redress, request, or grievance.
- e. Students will be able to rely on the intrinsic value of good order and discipline in the accomplishment of assigned objectives.
- f. Students will have a sound knowledge of military operations, organization, and the military's role in national and international security.

C. OBJECTIVES

This thesis will examine the demographic and other characteristics of Navy JROTC program graduates who enlist in the Army, Navy, Marine Corps, and Air Force. It will also provide a solid foundation upon which to build further research. The data analysis should also furnish Navy JROTC program managers with new information that can be useful in conducting efficiency and cost-benefit analyses.

D. SCOPE, LIMITATIONS, AND ASSUMPTIONS

The goal of this thesis is to provide an analysis of data that can be used by NJROTC program managers to perform efficiency studies of the program and cost-benefit analysis during the present era of budget cutting. The results of this analysis, for example, should help to lay the basic groundwork for future research in areas of regression analysis. It is beyond the scope of this thesis to explain why certain characteristics occur. Rather, it is intended that this work will provide an initial, broadbased foundation of information upon which other researchers can design future studies.

Limitations that affected the research accomplished for this thesis included:

- Data records maintained by some JROTC program managers pertaining to the early years of this study, were unavailable.

- The only data available from JROTC program managers were "soft" (that is, survey data which is not considered very accurate).
- There was a lack of previous research work. No prior research work was done in this area. Therefore, this thesis could not build upon previous work.
- There was a scarcity of literature available for review. Furthermore, literature that was available was often too general in nature.

The following assumptions were made in the study:

- Errors in the data, caused by the incorrect filling out of data base file format sheets, are no greater than one percent.⁶
- Differences in totals between cross-tabulations of two variables versus three variables is also no greater than one percent.⁷
- The data used in this study start in 1976 - ten years after the program began.⁸ The assumption is made that the number of JROTC units has remained fairly constant. This is true for all branches except the Army JROTC, which has increased its total units by 35 percent between fiscal years 1977 and 1986. Since the data analysis is measured by percentages, it is assumed that this will not have a large influence on the findings.

E. LITERATURE REVIEW AND METHODOLOGY

The literature reviewed was mostly general in nature. No record of any prior research performed in this area could be found. Because this is apparently the first research work of its type using "hard" data, this thesis emphasizes the presentation of descriptive statistics supplied by the Defense Manpower Data Center (DMDC), in Monterey, California.

II. METHODOLOGY

A. DATA FILES

The data files were supplied by the Defense Manpower Data Center (DMDC) located in Monterey, California. DMDC has many data files dating back to fiscal year 1971. However, the files used for this thesis are the Active Duty Service Gain Files beginning with fiscal year 1977 and ending with fiscal year 1986. This ten-year period was chosen because the Active Duty Service Gain Files only maintain partial data for fiscal year 1976. Fiscal year 1977 was the first full year of complete data. Fiscal year 1987 data files were not completely updated at the time of this thesis research and, therefore, fiscal year 1986 was the last year of complete data available. These data files are updated on a quarterly basis. These files only cover active duty enlistments. They do not cover reservists or officer accessions.

Another file which was used in this thesis research was the Active Duty Loss Transaction Files for fiscal years 1977 through 1986. These files are available back to fiscal year 1971. However, as with the Active Duty Service Files, data prior to fiscal year 1977 is incomplete and the fiscal year 1987 data files were not yet updated at the time of this research.

B. VARIABLES

An example of the data base file format sheet can be found in Appendix A. The variables to be analyzed and the corresponding columns of the data base file format are listed in Table 3.

C. STRUCTURE OF ANALYSIS

The Statistical Analysis System (SAS) computer package was used for the data analysis. Two-and three-way tables of cross-classification, also known as contingency tables, were used in the data analysis. In order to explore any possible pattern or relationship between variables, it is useful to first convert these results into percentages based on the following:⁹

1. The overall total
2. The row totals
3. The column totals

"Supertables" were also extensively used. A supertable is essentially a collection of cross-classification tables for the same column variable and categories. However, as many row variables as desired are included for comparison against the column variable. The data in each cell of the table are always given as a percentage of its corresponding row total. This permits line-by-line comparisons for the categories within a particular row variable as well as for the categories among the various row variables.¹⁰

TABLE 3

LIST OF VARIABLES FOR ANALYSIS BY DMDC DATA BASE
FILE FORMAT SHEET COLUMN NUMBER.

VARIABLE #	COLUMN #	VARIABLE
1.	10	Home of Record (HOR)
2.	16	Age at Entry (AGEENT)
3.	18/92	Highest Year Education Completed (HYEC)
4.	19	SEX
5.	22	Race Ethnic (RACEETH)
6.	26	AFQT Groups (AFQT)
7.	39/94	Service of Accession (SERVICE)
8.	61	Term of Enlistment (TOE)
9.	62	Entry Paygrade (ENTPG)
10.	75	Youth Program (JROTC)
11.	86/87	Total Active Federal Military Service (YEARS)
12.	88/89	DOD Primary Occupation Code (DPOC2)
13.	93	Paygrade (PG)
14.	100	Inter-Service Separation Code (ISCX)
15.	111	Character of Service (CHARSVC)

SOURCE: DEFENSE MANPOWER DATA CENTER (DMDC),
SEPTEMBER 1987.

The following is a list of cross-classification tables that were analyzed for accessions:

1. Term of Enlistment (TOE)
2. Entering Paygrade (ENTPG)
3. Home of Record (HOR)
4. Age at Entry (AGEENT) by Sex
5. AGEENT by Race Ethnic (RACEETH)
6. AGEENT by Service
7. Highest Year Education Completed (HYEC) by Sex
8. HYEC by RACEETH
9. HYEC by Service
10. Sex by RACEETH
11. Sex by AFQT Group (AFQT)
12. Sex by Service
13. RACEETH by AFQT
14. RACEETH by Service
15. AFQT by Service
16. Youth Program (JROTC) by Service

The following is a list of cross-classification tables which were analyzed for separations:

1. JROTC by Service
2. Inter-service Separation Code (ISCX) by Total Active Federal Military Service (YEARS)
3. YEARS by Service
4. YEARS by JROTC
5. ISCX by Service

6. ISCX by JROTC
7. Fiscal Year Loss by Service
8. Character of Service (CHARSVC) by Service
9. CHAR SVC by JROTC
10. Pay Grade (PG) by Service
11. PG by JROTC
12. HVEC by Service
13. HVEC by JROTC
14. DOD Primary Occupation Code (DPOC2) by Service
15. DPOC2 by JROTC
16. Sex by Service
17. Sex by JROTC
18. RACEETH by Service
19. RACEETH by JROTC.

This final list consists of three-way tables that were analyzed for accessions:

1. HOR by JROTC for Service
2. HOR by AFQT for Service
3. HOR by HVEC for Service
4. AGEENT by RACEETH for Sex
5. AGEENT by JROTC for Service
6. RACEETH by JROTC for Sex
7. RACEETH by Service for Sex
8. RACEETH by AFQT for Sex
9. RACEETH by HVEC for Sex
10. JROTC by Service for Sex

11. AGEENT by Service for Sex
12. HVEC by JROTC for Sex
13. HVEC by JROTC for Service
14. AFQT by Service for Sex
15. AFQT by JROTC for Service

The population size for data analysis is represented in Table 4. Total size is 56,852. This is the total population of JROTC graduates from all of the Services JROTC programs that enlisted into the active duty military in fiscal year 1977 through fiscal year 1986. This population was chosen because complete data was available for use in the following analysis.

TABLE 4

TOTAL NUMBER OF JROTC GRADUATES (ALL SERVICES) WHO ENLISTED IN THE ACTIVE DUTY MILITARY BY SERVICE,
FISCAL YEARS 1977 - 1986

	FY 77	FY 78	FY 79	FY 80	FY 81	FY 82	FY 83	FY 84	FY 85	FY 86	TOTAL
ARMY	2390 (40.18)	2680 (45.58)	2393 (43.61)	2444 (44.84)	2131 (43.24)	1999 (42.98)	2480 (49.24)	3509 (52.39)	3033 (47.96)	3238 (50.21)	26,297 (46.26)
NAVY	1725 (29.00)	1438 (24.46)	1295 (23.60)	1088 (19.96)	1028 (20.86)	849 (18.25)	1056 (20.96)	1291 (19.27)	1450 (22.93)	1463 (22.69)	12,683 (22.31)
MARINES	504 (8.47)	605 (10.29)	579 (10.55)	690 (12.66)	586 (11.89)	597 (12.84)	605 (12.01)	890 (13.29)	829 (13.11)	752 (11.66)	6,637 (11.67)
AIR FORCE	1329 (22.34)	1157 (19.68)	1220 (22.23)	1228 (22.53)	1183 (24.01)	1206 (25.93)	896 (17.79)	1008 (15.05)	1012 (16.00)	996 (15.44)	11,235 (19.76)
TOTAL	5948 (100)	5880 (100)	5487 (100)	5450 (100)	4928 (100)	4651 (100)	5037 (100)	6698 (100)	6324 (100)	6449 (100)	56,852 (100)

SOURCE: DEFENSE MANPOWER DATA CENTER, NOVEMBER 1987

*Figures in parentheses are percent of yearly totals.

III. ANALYSIS

A. ACCESSIONS DATA

When comparing Table 4 and Table 5, there is a difference of 526 accessions. This is due to one percent of the accessions coming from unknown JROTC units. These accessions were deleted from Table 5.

The first important observation is that while the Navy has 16.3 percent of the JROTC units (as shown in Table 6), only 15.02 percent of all active duty enlisted accessions come from Navy JROTC programs. But the Navy still comes out ahead, because 22.79 percent of JROTC graduate accessions enter the active duty Navy. Although 41.38 percent of Navy JROTC graduate accessions enlist in the Navy, another 31.8 percent enlist in the Army. One reason that might explain such a high percentage of Navy JROTC graduates enlisting in the Army could be a lack of interest generated by Navy JROTC summer camps. Another reason could be the fact that Navy JROTC units are usually located closer to Army bases. A third reason could be students who were interested in other service JROTC programs were forced to enter the Navy JROTC program because the other service programs were not available in their area. A survey could be used to determine the answer to this problem. A researcher could send out a survey form to Navy JROTC graduates, especially to

graduates who enlist in the military, to determine the enlistment propensities and attitudes of the graduates.

The data in Table 5 are also invaluable in determining a cost-benefit analysis of the Navy JROTC. In fiscal year 1986, the Navy JROTC costs were approximately \$10.7 million, while only 378 Navy JROTC graduates enlisted in the Navy. This converts to

TABLE 5					
TOTAL NUMBER AND PERCENT OF ACTIVE DUTY ENLISTMENTS OF JROTC GRADUATES (ALL SERVICES) BY SERVICE JROTC, FISCAL YEARS 1977 - 1986					
	ARMY JROTC	NAVY JROTC	MARINE JROTC	AIR FORCE JROTC	TOTAL
ARMY	17,810	2,690	633	4,748	25,881
%	(31.62)	(4.78)	(1.12)	(8.43)	-----
ROW %	(68.81)	(10.39)	(2.45)	(18.35)	(100)
COLUMN %	(55.03)	(31.80)	(28.23)	(35.81)	(45.95)
NAVY	6,207	3,500	440	2,688	12,835
%	(11.02)	(6.21)	(.78)	(4.77)	-----
ROW %	(48.36)	(27.27)	(3.43)	(20.94)	(100)
COLUMN %	(19.18)	(41.38)	(19.63)	(20.27)	(22.79)
MARINES	3,313	1,181	878	1,168	6,540
%	(5.88)	(2.10)	(1.56)	(2.07)	-----
ROW %	(50.66)	(18.06)	(13.42)	(17.86)	(100)
COLUMN %	(10.24)	(13.96)	(39.16)	(8.81)	(11.61)
AIR FORCE	5,035	1,088	291	4,656	11,070
%	(8.94)	(1.93)	(.52)	(8.27)	-----
ROW %	(45.48)	(9.83)	(2.63)	(42.06)	(100)
COLUMN %	(15.55)	(12.86)	(12.98)	(35.11)	(19.65)
ROW %	(57.46)	(15.02)	(3.98)	(23.54)	(100)
TOTAL	32,365	8,459	2,242	13,260	56,326
COLUMN %	(100)	(100)	(100)	(100)	(100)
SOURCE: DEFENSE MANPOWER DATA CENTER, NOVEMBER 1987					

an astounding cost of over \$28 thousand per accession. The cost decreases substantially if enlistments into other services are included. For example, with a total of 961 accessions across all Services, the cost per accession drops to about \$11 thousand. If other service JROTC graduates who enlist in the Navy are included, (a total of 1,463 accessions), the cost per Navy accession falls again to about \$7 thousand. The costs are eventually decreased even further if accessions into the reserve and officer programs are included.

TABLE 6	
TOTAL NUMBER AND PERCENT OF JROTC UNITS BY SERVICE, SEPTEMBER 1987	
SERVICE	UNITS
ARMY %	862 (58.28)
NAVY %	241 (16.30)
MARINES %	80 (5.41)
AIR FORCE %	296 (20.01)
TOTAL	1,479 (100)
SOURCE: CHIEF OF NAVAL EDUCATION AND TRAINING, SEPTEMBER 1987	

Continuing with the data analysis, it was found that 72 percent of Navy JROTC graduates enlist for four years, while 6.5 percent enlist for greater than four years. In fiscal years 1985 and 1986, eight-year enlistments comprised five percent of total enlistments. Fifty-four percent of the Navy JROTC graduates enter at a paygrade of E-3, and 31 percent enter at paygrade E-2.

By studying the Home of Record data in Table 7, the Navy JROTC program manager can find the percentage of accessions "produced" by each state. An investigation of differences between high and low production states could help to isolate the important factors and possibly help to improve production in states at the bottom end of the distribution. The manager could also use other Home of Record data to discover what states are supplying Navy enlistments from other JROTC programs, such as Georgia and South Carolina, where 66.8 percent and 83.7 percent of Navy enlistments in these states, respectively, come from Army JROTC programs. The program manager could move more units into these areas and remove units from the less productive areas.

The age at which most NJROTC graduates enter the Navy is 18 years. Overall, about 42 percent enlist at this age, followed by 22 percent at 19 years. Thirteen percent are 17 years of age and 23 percent are 20 years or older. Ninety-one percent are men and nine percent are women. The proportion of whites who enlist from Navy JROTC programs is

TABLE 7

HOME OF RECORD FOR NAVY JROTC GRADUATES WHO ENLISTED
IN THE MILITARY BY SERVICE (PERCENT),
FISCAL YEARS 1977 - 1986

STATE	ARMY	NAVY	MARINES	AIR FORCE	TOTAL
ALABAMA	.79	.73	.39	.24	2.15
ALASKA	.08	.14	.02	0	.24
AMERICAN SAMOA	0	0	0	0	0
ARIZONA	.39	.76	.40	.27	1.82
ARKANSAS	.53	.80	.51	.11	1.95
CALIFORNIA	1.3	3.37	.67	.52	5.86
CANAL ZONE (OBS)	0	0	0	0	0
COLORADO	.12	.24	.05	.09	.5
CONNECTICUT	.04	.09	0	.05	.18
DELAWARE	.01	.02	0	0	.03
DIS. OF COLUMBIA	.15	.09	.17	.01	.42
FLORIDA	5.46	5.50	2.19	2.05	15.2
GEORGIA	1.71	2.58	.78	.82	5.89
GUAM	.12	.24	.05	.02	.43
HAWAII	.06	.04	.02	0	.12
IDAHO	.27	.28	.05	.24	.84
ILLINOIS	.25	.48	.04	.07	.84
INDIANA	.17	.54	.04	.20	.95
IOWA	.01	.02	.01	.02	.06
KANSAS	.09	.38	.02	.05	.54
KENTUCKY	.73	.73	.47	.39	2.32
LOUISIANA	.83	1.53	.35	.26	2.97

TABLE 7 - CONTINUED

HOME OF RECORD FOR NAVY JROTC GRADUATES WHO ENLISTED IN THE MILITARY BY SERVICE (PERCENT), FISCAL YEARS 1977 - 1986					
STATE	ARMY	NAVY	MARINES	AIR FORCE	TOTAL
MAINE	0	.01	0	0	.01
MARYLAND	.61	.31	.41	.11	1.44
MASSACHUSETTS	.19	.24	.08	.11	.62
MICHIGAN	.17	.43	.01	.07	.68
MINNESOTA	.26	.47	.14	.08	.95
MISSISSIPPI	1.16	1.48	.20	.40	3.24
MISSOURI	.26	.45	.12	.12	.95
MONTANA	.06	.20	.26	.13	.65
NEBRASKA	.01	.04	0	0	.05
NEVADA	.46	.52	.17	.18	1.33
NEW HAMPSHIRE	.12	.17	.02	.17	.48
NEW JERSEY	.22	.79	.21	.31	1.53
NEW MEXICO	.52	1.29	.26	.30	2.37
NEW YORK	.22	.66	.15	.19	1.22
NORTH CAROLINA	3.23	1.61	1.04	.91	6.79
NORTH DAKOTA	0	.02	0	0	.02
OHIO	.82	.89	.37	.12	2.2
OKLAHOMA	.07	.19	0	.01	.27
OREGON	.01	.07	0	.01	.09
PENNSYLVANIA	.17	1.73	.09	.38	2.37
PUERTO RICO	.01	.01	0	0	.02
RHODE ISLAND	.33	.13	.13	.09	.68

TABLE 7 - CONTINUED

HOME OF RECORD FOR NAVY JROTC GRADUATES WHO ENLISTED IN THE MILITARY BY SERVICE (PERCENT), FISCAL YEARS 1977 - 1986					
STATE	ARMY	NAVY	MARINES	AIR FORCE	TOTAL
SOUTH CAROLINA	2.02	3.05	.65	.99	6.71
SOUTH DAKOTA	.01	.05	0	0	.06
TENNESSEE	.79	1.15	.20	.15	2.29
TEXAS	2.33	3.44	1.42	.92	8.11
UTAH	.05	.22	.05	.12	.44
VERMONT	0	.04	0	.01	.05
VIRGINIA	4.07	2.20	1.43	1.39	9.09
VIRGIN ISLANDS	0	.05	0	0	.05
WASHINGTON	.48	.51	.24	.12	1.35
WEST VIRGINIA	0	.05	.02	0	.07
WISCONSIN	0	.18	.02	0	.20
WYOMING	.06	.18	.02	.06	.32
SOURCE: DEFENSE MANPOWER DATA CENTER, NOVEMBER 1987					

62 percent, with blacks and Hispanics following at 20 percent and 15 percent, respectively. These percentages are the same for males, while there are five percent more black women and six percent less white women. Twenty-seven percent of white male JROTC graduates enlist in the Navy, while 19 percent black males and 18 percent Hispanic males

enter the Navy. Twenty-two percent of the white female JROTC graduates enlist in the Navy, while 18 percent and 16 percent of the black and Hispanic females, respectively, enter the Navy.

Of those JROTC graduates enlisting in the Navy, 47 percent fall into AFQT categories I through IIIa, with another 31 percent falling in AFQT category IIb and 14 percent falling in AFQT category IVa. Eighty-nine percent of the female enlistees have entrance scores in categories I through IIb, whereas only 77 percent of the male enlistees fall in these same categories. Looking at the AFQT levels of Navy JROTC graduates, 47 percent fall in categories I through IIIa, 31 percent in category IIb, and 13 percent in category IVa. Only the Air Force gets a higher percentage of AFQT category I through IIIa JROTC program graduates, at 53 percent. The Navy JROTC graduates who have entrance test scores in AFQT categories I through IIIa and eventually enlist do so at a rate of 45 percent into the Navy, 26 percent into the Army, 16 percent into the Air Force, and 13 percent into the Marines.

White males who score in AFQT categories I through IIIa do so at 58 percent, while the same categories of black and Hispanic males are 25 percent and 15 percent, respectively. White women in categories I through IIIa total 60 percent, compared with 44 percent of black women and 21 percent of Hispanic women.

Eighty-eight percent of the males completed high school, compared with 93 percent of women. These figures are the same for Navy JROTC graduates. White women are at 92 percent with black and Hispanic women at 94 percent. For Navy JROTC graduates, white women increase to 94 percent with black women at 93 percent and Hispanic women at 96 percent completing high school (as their highest year of education).

B. SEPARATIONS DATA

A separation is an any service JROTC program graduate who enlisted into any active duty branch of military service and was released from active duty any fiscal year between fiscal year 1977 and fiscal year 1986, inclusive. This data exhibits results that reflect what happened to earlier fiscal year cohorts because later fiscal year cohorts (e.g., fiscal year 1986) have only been in the military for two years and are still on active duty.

The number of separations in this sample can be found in Table 8. While 24.1 percent of all separations, by JROTC graduates are from the Navy, only 14.5 percent of these individuals were graduates of Navy JROTC programs.

Of these 4,257 separations, 51 percent were due to expiration of term of services; 31 percent were due to failure to meet minimum behavioral and performance criteria (such as drugs, financial irresponsibility); 7 percent were

due to medical disqualifications; 7 percent were other separations or discharges; and 2 percent were entered into officer commissioning programs. Eighty-two percent of these separations occurred at four or less years of service, while 44 percent occurred with between four and seven years of service. The greatest percentage of separations, 29 percent, occurred at the four-year point, and the second greatest, 22 percent, occurred at the one-year point. For those separations at the one-and two-year points, 59 percent were due to failure to meet minimum behavioral and performance criteria.

It is interesting to note that 73 percent of the separations discussed above were honorable, 10 percent were under honorable conditions, and 7 percent were under other than honorable conditions. This was the same for all JROTC graduates regardless of their JROTC program.

The Navy JROTC graduates who separated from the military, regardless of branch of service, did so at the proportions of 69 percent being white, 19 percent were Hispanic, and 10 percent were black.

Among the different branches of service, the Navy had the highest percentage of whites who separated, as 47 percent left the service. The Army followed with 25 percent of its whites leaving. However, the Army had larger percentages of Hispanics and blacks who separated as 46 percent of the Hispanics and 39 percent of the blacks were

TABLE 8

TOTAL NUMBER OF ALL SERVICES JROTC GRADUATES
WHO SEPARATED FROM ACTIVE DUTY MILITARY SERVICES
BY SERVICE, FISCAL YEARS 1977-1986

	ARMY	NAVY	MARINES	AIR FORCE	TOTAL
ARMY JROTC	9,446	3,633	2,700	1,845	17,624
%	(32.17)	(12.37)	(9.19)	(6.28)	-----
ROW %	(53.60)	(20.61)	(15.32)	(10.47)	(100)
COLUMN %	(71.58)	(51.34)	(47.99)	(53.22)	(60.01)
NAVY JROTC	1,301	1,838	541	577	4,257
%	(4.43)	(6.26)	(1.84)	(1.96)	-----
ROW %	(30.56)	(43.18)	(12.71)	(13.55)	(100)
COLUMN %	(9.86)	(25.97)	(9.62)	(16.64)	(14.50)
MARINES JROTC	288	233	151	465	1,137
%	(.98)	(.79)	(.51)	(1.58)	-----
ROW %	(25.33)	(20.49)	(13.28)	(40.90)	(100)
COLUMN %	(2.18)	(3.29)	(2.68)	(13.41)	(3.87)
AIR FORCE	2,162	1,373	2,234	580	6,349
%	(7.36)	(4.68)	(7.61)	(1.98)	-----
ROW %	(34.05)	(21.63)	(35.19)	(9.13)	(100)
COLUMN %	(16.38)	(19.4)	(39.71)	(16.73)	(21.62)
ROW %	(44.94)	(24.1)	(19.16)	(11.80)	(100)
TOTAL	13,197	7,077	5,626	3,467	29,367
COLUMN %	(100)	(100)	(100)	(100)	(100)

SOURCE: DEFENSE MANPOWER DATA CENTER, OCTOBER 1987

out of the military. The Hispanics and blacks who left the Navy, did so almost at equal proportions. Thirty-three percent of the Hispanics and 31 percent of the blacks separated from the Navy.

Out of all separations, 91 percent were men and 9 percent were women. The majority of these men and women separated from

the Navy. Forty-three percent of the males and 41 percent of the females were separated from the Navy.

Table 9 lists the proportions of Navy JROTC graduates within certain occupational areas as well as the non-occupational area. A non-occupational area includes patients and prisoners, students and trainees, and undesignated occupations. While the largest proportions, 24.48 percent, is in the non-occupational area, 19.56 percent is in the electrical/mechanical equipment repairs. Only 6.73 percent of the Navy JROTC graduates separated while in the electronics occupational area. This could be a signal to Navy JROTC program managers that there is a need to establish units with more technical courses.

TABLE 9	
PERCENT OF NAVY JROTC GRADUATES SEPARATED FROM ACTIVE DUTY MILITARY SERVICE BY OCCUPATIONAL AREA, FISCAL YEARS 1977 - 1986	
OCCUPATIONAL AREA	%
INFANTRY, GUN CREWS, AND SEAMANSHIP SPECIALISTS	15.1
ELECTRONIC EQUIPMENT REPAIRERS	6.7
COMMUNICATIONS AND INTELLIGENCE SPECIALISTS	8.4
MEDICAL AND DENTAL SPECIALISTS	4.1
OTHER TECHNICAL AND ALLIED SPECIALISTS	1.3
FUNCTIONAL SUPPORT AND ADMINISTRATION	9.1
ELECTRICAL/MECHANICAL EQUIPMENT REPAIRERS	19.6
CRAFTSMEN	3.2
SERVICE AND SUPPLY HANDLERS	8.0
NON-OCCUPATIONAL	24.5
TOTAL	100.0
SOURCE: DEFENSE MANPOWER DATA CENTER, OCTOBER 1987	

IV. SUMMARY AND RECOMMENDATIONS

A. SUMMARY

It has been found that the Navy JROTC program falls short in one of its goals of providing the military with accessions in the area of active duty enlistments. It was also found that, while only 41 percent of Navy JROTC graduates enter the Navy, 32 percent enlist in the Army. Forty-eight percent of those JROTC graduates who enlist in the Navy were graduates of the Army JROTC program while only 27 percent were Navy JROTC graduates. While the Navy holds only a 16 percent share of the JROTC units, second only to the Marines in fewest units, it manages to attract a 23 percent share of the total, all services JROTC program graduates.

Depending on what variables are used when performing a cost-benefit analysis, different results can be obtained. The survey data presently used by Navy JROTC program managers may give misleading results to this type of analysis.

An analysis of Home of Record data files can be of some help to program managers as this research has proven. States that produce low accession figures can be used for identifying units with problems that might exist. Iowa and West Virginia, with two of the lowest accession figures, are possible examples of this. The data are invaluable to the

Navy JROTC program manager who must find ways to efficiently make budget cuts. States with accessions from other JROTC units into the Navy, such as Georgia and South Carolina might produce more Navy accessions if more Navy JROTC units are established in these states.

The analysis also produced evidence that the AFQT levels of Navy JROTC graduates were actually lower than the levels of other enlisted accessions.¹¹ Another alarming find was that 31 percent of those Navy JROTC graduates who had separated from the military, did so by failing to meet "minimum behavioral and performance criteria."

B. RECOMMENDATIONS

It is recommended that the methods of analysis used in this thesis be used by the Navy JROTC program managers for keeping track of Navy JROTC graduate accessions. By using these methods, a more accurate cost benefit analysis can be performed and performances of JROTC units can be more closely monitored. From the occupational area data analyzed, it seems more emphasis needs to be placed on technical careers. A better job of recruiting by Navy JROTC unit commanders also could help.

C. FUTURE RESEARCH

Possible future research could entail developing a questionnaire and having a survey taken of Navy JROTC graduates as to why they did or did not enlist in the branch

of service of their JROTC unit. A regression analysis could also be performed using the variables from the survey and determining an equation for predicting military accessions of Navy JROTC graduates.

A cost-benefit analysis between the Navy JROTC program and other types of programs (e.g., sea cadets) could be researched. A cost benefit analysis between the different recruiting programs and the Navy JROTC could also be done.

Research could be performed in the area of military performance. An analyst could compare the military performance records and characteristics of JROTC graduates (by and across services) with non-JROTC graduates. This could show that JROTC graduates are better performers. The results of this research could have a large effect on any cost-benefit analysis performed.

FILE FORMAT SHEET

FILE NAME: _____

RECORD LENGTH: 195

COLUMN	DESCRIPTION	COLUMN	DESCRIPTION
1.		51.	BLOOD PRESSURE - DIASTOLIC
2.		52.	MEDICAL 1
3.	SOCIAL SECURITY NUMBER	53.	FAILURE 2
4.		54.	CODES 3
5.	CENSUS Region	55.	WAIVER
6.	District	56.	WAIVER APPROVAL LEVEL
7.	HOME OF First 3 digits	57.	EXAMINATION STATUS
8.	RECORD	58.	Y
9.	ZIP CODE Last 3 digits	59.	M DATE OF ENTRY
10.	HOME OF RECORD	60.	D
11.	Y DATE OF DETERMINATION	61.	TERM OF ENLISTMENT
12.	M	62.	ENTRY PAY GRADE
13.	Y	63.	
14.	M DATE OF BIRTH	64.	HOME OF RECORD COUNTY FIPS
15.	D	65.	
16.	AGE AT ENTRY	66.	PROGRAM
17.	RECORD IDENTIFICATION	67.	ENLISTED
18.	HYEC	68.	FOR
19.	SEX	69.	
20.	RACE	70.	RESERVED
21.	ETHNIC	71.	
22.	RACE ETHNIC	72.	AFES STATION/MEPS
23.	MARITAL STATUS/DEPENDENTS	73.	BONUS OPTION
24.	TEST FORM	74.	ENLISTMENT OPTION
25.	AFOT PERCENTILE	75.	YOUTH PROGRAM
26.	AFOT GROUPS	76.	RESERVED
27.	1	77.	EDUCATION CERTIFICATE
28.	2	78.	TAPE DATE MONTH
29.	3	79.	ORIGINAL AFOT PERCENTILE
30.	4	80.	ORIGINAL AFOT GROUPS
31.	5	81.	
32.	6	82.	TRAINING/ENLISTMENT
33.	7	83.	MOS/AFSC/RATING
34.	8	84.	
35.	9	85.	
36.	10	86.	TAFMS
37.	11	87.	1
38.	12	88.	DPOC
39.	SERVICE OF ACCESSION	89.	1
40.	PRIOR SERVICE	90.	DDOC
41.	PUL	91.	1
42.	HES	92.	HYEC 1
43.	APTITUDE 13	93.	PAYGRADE 1
44.	AREA 14	94.	SERVICE 1
45.	SCORES 15	95.	MARITAL STATUS 1
46.	16	96.	NUMBER OF DEPENDENTS 1
47.	ENTRY STATUS	97.	
48.	HEIGHT	98.	SPN/SPD 1
49.	WEIGHT	99.	
50.	BLOOD PRESSURE - SYSTOLIC	100.	ISC 1

COLUMN	DESCRIPTION	COLUMN	DESCRIPTION
101.	Y	151.	TAFMS LOSS
102.	M DATE OF SEPARATION	152.	DPOC
103.	D	153.	FAILURE LOSS
104.	Y	154.	DDOC LOSS
105.	M BASD	155.	
106.	D	156.	HVEC LOSS
107.	Y ETS	157.	PAYGRADE LOSS
108.	M	158.	SERVICE LOSS
109.	Y DOLE	159.	MARITAL STATUS LOSS
110.	M	160.	DEPENDENTS LOSS
111.	CHARACTER OF SERVICE 1	161.	
112.	ELIGIBILITY TO REENLIST 1	162.	SPN/SPD LOSS
113.	Y	163.	
114.	M PEBD	164.	ISC
115.	D	165.	Y
116.	FILE FLAG 1	166.	M LOSS
117.		167.	D
118.	TAFMS 2	168.	Y
119.		169.	M BASD LOSS
120.	DPOC 2	170.	D
121.		171.	Y LOSS
122.	DDOC 2	172.	M ETS
123.		173.	Y LOSS
124.	HVEC 2	174.	M DOLE
125.	PAYGRADE 2	175.	CHARACTER OF SERVICE LOSS
126.	SERVICE 2	176.	ELIGIBILITY TO REENLIST LOSS
127.	MARITAL STATUS 2	177.	Y
128.	NUMBER OF DEPENDENTS 2	178.	M PEBD LOSS
129.		179.	D
130.	SPN/SPD 2	180.	FILE FLAG LOSS
131.		181.	
132.	ISC	182.	
133.	Y	183.	FILE MATCH
134.	M DATE OF SEPARATION 2	184.	INDICATORS
135.	D	185.	
136.		186.	DOE YEAR INTO D.E.P.
137.	BASD 2	187.	DOE MONTH INTO D.E.P.
138.		188.	MONTHS IN D.E.P.
139.	Y ETS 2	189.	SPANISH FLAG MASTER/LOSS
140.	M	190.	Y DCPG
141.	Y DOLE 2	191.	M
142.	M	192.	
143.	CHARACTER OF SERVICE 2	193.	BINARY ZEROS
144.	ELIGIBILITY TO REENLIST 2	194.	
145.	Y	195.	
146.	M PEBD 2	196.	
147.	D	197.	
148.	FILE FLAG 2	198.	
149.		199.	
150.	TAFMS LOSS	200.	

APPENDIX B

TABLE DEFINITION KEY

RACEETH

0 - Undefined
 1 - White
 2 - Black
 3 - Hispanic
 4 - American Indian/Alaskan Native
 5 - Asian/Pacific Islander
 6 - Other/Unknown

AFQT SCORE

0 - Undefined
 1 - (V) 1-9
 2 - (IVc) 10-15
 3 - (IVb) 16-20
 4 - (IVa) 21-30
 5 - (IIIA) 31-49
 6 - (IIIA) 50-64
 7 - (II) 65-92
 8 - (I) 93-99

JROTC

10- JROTC - 3-yr program
 11- Army JROTC - 3-yr program
 12- Navy JROTC - 3-yr program
 13- Air Force JROTC - 3-yr program
 14- Marine Corps JROTC - 3-yr program
 20- JROTC - 4-yr program
 21- Army JROTC - 4-yr program
 22- Navy JROTC - 4-yr program
 23- Air Force JROTC - 4-yr program
 24- Marine Corps JROTC - 4-yr program

TOE (Term of Enlistment)

YEARS

ENT PG (Entry Paygrade)

1 - E-1
 2 - E-2
 3 - E-3
 4 - E-4
 5 - E-5

SEX

1 = Male
 2 = Female

SVC (Service)

1 - Army
 2 - Navy
 3 - Air Force
 4 - Marine Corps
 5 - Preinductee
 8 - Navy

HYEC (Highest Year Education Completed)

2 - 8 years
 3 - 1 Year High School
 4 - 2 Years High School
 5 - 3-4 Years High School (no diploma)
 6 - High School Diploma
 7 - 1 Year College
 8 - 2 Years College
 9 - 3-4 Years College (no degree)
 10- College Graduate
 13- High School G.E.D.

AGEENT (Age at Entry)

YEARS

APPENDIX B
HOR (HOME OF RECORD)

State Codes

Alabama	AL	01
Alaska	AK	02
American Samoa	AQ	03
Arizona	AZ	04
Arkansas	AR	05
California	CA	06
Canal Zone (obsolete)	PQ	07
Colorado	CO	08
Connecticut	CT	09
Delaware	DE	10
District of Columbia	DC	11
Florida	FL	12
Georgia	GA	13
Guam	GO	14
Hawaii	HI	15
Idaho	ID	16
Illinois	IL	17
Indiana	IN	18
Iowa	IA	19
Kansas	KS	20
Kentucky	KY	21
Louisiana	LA	22

APPENDIX B

HOR (HOME OF RECORD) (CONTINUED)

State Codes

Maine	ME	23
Maryland	MD	24
Massachusetts	MA	25
Michigan	MI	26
Minnesota	MN	27
Mississippi	MS	28
Missouri	MO	29
Montana	MT	30
Nebraska	NE(NB)	31
Nevada	NV	32
New Hampshire	NH	33
New Jersey	NJ	34
New Mexico	NM	35
New York	NY	36
North Carolina	NC	37
North Dakota	ND	38
Ohio	OH	39
Oklahoma	OK	40
Oregon	OR	41
Pennsylvania	OA	42
Puerto Rico	RQ	43
Rhode Island	RI	44

APPENDIX B

HOR (HOME OF RECORD) (CONTINUED)

State Codes

South Carolina	SC	45
South Dakota	SD	46
Tennessee	TN	47
Texas	TX	48
Utah	UT	49
Vermont	VT	50
Virginia	VA	51
Virgin Islands	VQ	52
Washington	WA	53
West Virginia	WV	54
Wisconsin	WI	55
Wyoming	WY	56

TABLE C-1

ALL SERVICES JROTC MALE GRADUATES FOR FISCAL YEARS 1977-1986,
BY RACE/ETHNIC GROUP AND JROTC PROGRAM GRADUATED FROM

RACE/ETHNIC	JROTC	10	11	12	13	14	20	21	22	23	24	TOTAL
0		0:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00
1		0:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00
2		0:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00
3		0:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00
4		0:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00
5		0:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00
6		0:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00
TOTAL		0:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00

TABLE C-2

ALL SERVICES JROTC FEMALE GRADUATES FOR FISCAL YEARS 1977-1986,
BY RACE/ETHNIC GROUP AND JROTC PROGRAM GRADUATED FROM

RACE/ETH	JROTC	10	11	12	13	14	20	21	22	23	24
FREQUENCY											
PERCENT											
ADJ PCT											
COL PCT											
0		0:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00
1		0:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00
2		0:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00
3		0:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00
4		0:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00
5		0:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00
6		0:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00
TOTAL	0:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00

TABLE C-3

ALL SERVICES JROTC MALE GRADUATES FOR FISCAL YEARS
1977-1986, BY RACE/ETHNIC GROUP AND
BRANCH OF SERVICE ENLISTED INTO

RACE/ETHNIC GROUP	SERVICE	BRANCH OF SERVICE ENLISTED INTO				TOTAL
		ARMY	NAVY	USAF	USMC	
0		40.063	23.006	00.000	20.000	83.069
1		109.771	77.800	00.000	33.171	298.999
2		159.061	21.800	13.300	16.300	212.261
3		135.300	13.000	15.700	10.000	174.000
4		40.340	20.100	10.000	10.110	80.550
5		50.200	20.000	10.000	10.000	90.200
6		50.117	20.000	10.000	10.000	90.117
TOTAL		234.111	120.733	100.000	120.000	574.844

TABLE C-4

ALL SERVICES JROTC FEMALE GRADUATES FOR FISCAL YEARS
1977-1986, BY RACE/ETHNIC GROUP AND
BRANCH OF SERVICE ENLISTED INTO

RACE/ETHNIC	SERVICE					
FREQUENCY PERCENT ROW COL	PERCENT ROW COL	ARMY	NAVY	USAF	USMC	TOTAL
0		70.13 1.44 0.34	2.22 7.16 5.10	0.22 7.16 0.34	14.02 0.34 0.34	0.14 0.27
1		18.93 40.54 30.53	13.53 33.33 33.33	13.53 33.33 33.33	13.53 33.33 33.33	23.64 45.51
2		16.87 47.95 32.75	15.24 17.34 25.71	15.24 17.34 25.71	15.24 17.34 25.71	15.39 29.35
3		14.74 34.54 29.53	13.17 17.34 17.34	13.17 17.34 17.34	13.17 17.34 17.34	11.39 21.74
4		11.54 27.03 22.12	13.16 17.34 17.34	13.16 17.34 17.34	13.16 17.34 17.34	1.33 1.93
5		70.34 1.44 1.44	2.22 7.16 5.10	0.22 7.16 0.34	14.02 0.34 0.34	0.30 0.30
6		50.13 0.34 0.34	2.22 7.16 5.10	0.22 7.16 0.34	14.02 0.34 0.34	0.34 0.34
TOTAL		2687 51.45	1994 19.18	1156 22.41	347 6.68	5124 105.35

TABLE C-5

ALL SERVICES JROTC MALE GRADUATES FOR FISCAL YEARS
1977-1986, BY JROTC PROGRAM GRADUATED FROM
AND BRANCH OF SERVICE ENLISTED INTO

JROTC PROGRAM COL	SERVICE BRANCH ENLISTED INTO	ARMY	NAVY	USAF	USMC	TOTAL
10		170 0.33 0.73	14 0.33 0.73	35 0.33 0.73	35 0.33 0.73	611 3.79
11		109 2.11 6.97	23 3.33 3.33	15 1.33 1.33	21 4.22 33.17	189 35.47
12		17 3.33 7.67	23 4.67 21.33	17 0.33 1.33	33 1.33 13.67	53 13.32
13		32 6.67 13.33	21 2.33 15.67	6 1.33 6.67	8 1.33 14.67	68 13.15
14		34 2.33 1.67	31 2.33 2.67	7 0.33 7.67	6 3.33 7.67	21 2.34
20		10 0.33 0.33	6 0.33 0.33	5 0.33 0.33	10 0.33 0.33	16 3.27
21		55 6.67 21.33	16 1.33 1.33	33 0.33 0.33	9 1.33 15.67	135 23.55
22		63 2.33 2.67	33 2.33 2.67	32 1.33 3.33	25 1.33 4.67	230 6.46
23		97 1.33 4.67	63 0.33 0.33	33 0.33 0.33	22 0.33 3.33	51 9.33
24		22 0.33 0.33	13 0.33 0.33	13 0.33 0.33	32 0.33 0.33	84 1.62
TOTAL		234 45.25	120 23.34	100 19.33	123 12.06	517 100.00

TABLE C-6

ALL SERVICES JROTC FEMALE GRADUATES FOR FISCAL YEARS
1977-1986, BY JROTC PROGRAM GRADUATED FROM
AND BRANCH OF SERVICE ENLISTED INTO

JROTC	SERVICE	ARMY	NAVY	USAF	USMC	TOTAL
FREQUENCY PERCENT ROW COL	PERCENT ROW COL					
10	1.33	0.16	0.16	0.16	0.16	0.33
	37.14	45.71	11.43	0.04	0.58	0.57
	0.43	1.51	0.54			
11	12.46	27.0	175	87	1776	34.19
	23.95	5.20	3.37	1.63		
	40.00	15.20	9.35	24.90		
	46.30	27.11	15.33	25.07		
12	20.9	273	27	54	565	10.55
	34.00	5.39	0.22	1.04		
	36.90	45.37	6.72	9.56		
	7.78	27.31	2.32	15.56		
13	4.34	19.9	72	51	733	14.11
	7.78	3.89	1.22	0.68		
	35.00	19.98	3.79	14.70		
14	0.42	17	5	44	108	2.08
	0.81	0.33	0.10	0.55		
	36.90	15.74	6.54	40.74		
	1.53	1.71	0.43	12.68		
20	0.18	3	3	0	19	0.37
	40.11	0.00	0.11	0.00		
	0.30	0.00	0.00	0.00		
21	3.86	113	336	33	1038	19.98
	10.90	2.18	3.36	1.00		
	34.00	13.91	26.12	15.17		
	31.00	11.33	26.12	15.24		
22	7.5	62	35	22	266	4.70
	1.44	1.19	1.35	0.42		
	30.74	25.41	34.54	9.02		
	27.79	9.22	7.30	6.34		
23	10.4	37	44	13	538	11.51
	2.00	0.71	0.53	0.25		
	17.00	3.19	2.33	1.17		
	3.47	3.71	3.12	3.75		
24	2.23	6	33	21	80	1.54
	0.43	0.08	0.33	0.40		
	27.30	0.00	41.25	26.25		
	0.82	0.60	2.34	6.05		
TOTAL		2687	1999	1154	347	5194
		51.73	19.18	22.41	6.68	100.00

TABLE C-7

ALL SERVICES JROTC MALE GRADUATES FOR FISCAL YEARS
1977-1986, BY AFQT CATEGORY AND
BRANCH OF SERVICE ENLISTED INTO

AFQT	SERVICE	ARMY	NAVY	USAF	USMC	TOTAL
FREQ PER ROW COL	US C P T					
0		40.44 30.00 1.00 1.00	23.33 13.33 1.00 1.00	5.33 1.00 0.00 0.00	7.00 0.00 0.00 0.00	13.33 2.50
1		0.00 7.00 0.00 0.00	0.00 11.00 0.00 0.00	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	0.00 0.00
2		14.00 8.00 0.00 0.00	13.00 1.00 0.00 0.00	0.00 0.00 0.00 0.00	12.00 0.00 0.00 0.00	13.33 3.50
3		17.00 6.00 0.00 0.00	5.00 2.00 0.00 0.00	0.00 0.00 0.00 0.00	23.00 0.00 0.00 0.00	33.33 3.50
4		43.00 18.00 0.00 0.00	17.00 2.00 0.00 0.00	0.00 1.00 0.00 0.00	5.00 1.00 0.00 0.00	77.33 15.50
5		71.00 1.00 0.00 0.00	35.00 2.00 0.00 0.00	2.00 1.00 0.00 0.00	25.00 1.00 0.00 0.00	136.65 31.75
6		33.00 1.00 0.00 0.00	20.00 2.00 0.00 0.00	0.00 2.00 0.00 0.00	10.00 1.00 0.00 0.00	86.76 15.62
7		41.00 1.00 0.00 0.00	31.00 2.00 0.00 0.00	5.00 2.00 0.00 0.00	12.00 1.00 0.00 0.00	112.63 21.75
8		66.00 3.00 0.00 0.00	60.00 3.00 0.00 0.00	4.00 2.00 0.00 0.00	18.00 0.00 0.00 0.00	192.6 3.72
TOTAL		234.11 45.25	120.73 23.34	10.11 19.55	62.38 12.06	517.33 100.00

TABLE C-8

ALL SERVICES JROTC FEMALE GRADUATES FOR FISCAL YEARS
1977-1986, BY AFQT CATEGORY AND
BRANCH OF SERVICE ENLISTED INTO

AFQT FREQUENCY PERCENT ROW COL	SERVICE				TOTAL
	ARMY	NAVY	USAF	USMC	
0	20.42 0.42	23.21 0.41	51.33 4.13	0.00 0.00	1.96
1	10.00 0.00	3.00 0.00	0.00 0.00	0.00 0.00	0.31
2	9.18 0.00	3.00 0.00	0.00 0.00	0.00 0.00	1.87
3	3.71 0.00	1.00 0.00	0.00 0.00	0.00 0.00	2.33
4	7.36 0.00	1.72 0.00	1.87 0.00	0.00 0.00	12.37
5	10.21 0.00	4.66 0.00	3.13 0.00	1.00 0.00	37.29
6	11.58 0.00	1.99 0.00	5.30 0.00	1.00 0.00	23.87
7	8.43 0.00	6.22 0.00	5.27 0.00	1.13 0.00	20.92
8	0.29 0.00	0.23 0.00	0.31 0.00	0.19 0.00	1.02
TOTAL	26.73	19.18	22.41	6.63	105.00

TABLE D-1

NAVY JROTC MALE GRADUATES FOR FISCAL YEARS 1977-1986,
BY RACE/ETHNIC GROUP AND
JROTC PROGRAM GRADUATED FROM

RACE/ETH	JROTC		
FREQUENCY			
PERCENT			
ROW PCT			
COL PCT			
	12	22	TOTAL
0	63.108	33.334	0.12
	63.108	33.334	0.16
1	43.293	13.333	4828
	43.293	13.333	63.11
	61.609	63.339	
2	13.641	4.72	1313
	13.641	4.72	19.78
	19.609	31.23	
3	11.890	2.53	1135
	11.890	2.53	14.84
	15.608	11.34	
4	7.736	2.33	0.76
	7.736	2.33	0.99
	1.608	2.33	
5	7.646	2.13	0.59
	7.646	2.13	0.77
	7.646	2.33	
6	5.13	1.13	0.27
	5.13	1.13	0.35
	5.208	44.44	
	5.208	3.52	
TOTAL	5341	2339	7653
	69.82	30.18	100.00

TABLE D-2

NAVY JROTC FEMALE GRADUATES FOR FISCAL YEARS 1977-1986,
BY RACE/ETHNIC GROUP AND
JROTC PROGRAM GRADUATED FROM

RACE/ETH	JROTC	
FREQUENCY		
PERCENT		
ROW PCT		
COL PCT	121	221
		TOTAL
0	1 53.13 53.00 53.13	1 53.13 53.00 53.61
1	310 35.32 35.32 35.32	143 17.59 17.59 17.59
2	149 13.42 13.42 13.42	59 7.32 7.32 7.32
3	92 11.37 11.37 11.37	35 4.35 4.35 4.35
4	10 1.25 1.25 1.25	6 0.73 0.73 0.73
5	0 0.00 0.00 0.00	1 0.12 0.12 0.12
6	3 0.37 0.37 0.37	1 0.12 0.12 0.12
TOTAL	565 69.94	244 30.15
		100.00

TABLE D-3

NAVY JROTC MALE GRADUATES FOR FISCAL YEARS 1977-1986,
BY RACE/ETHNIC GROUP AND
BRANCH OF SERVICE ENLISTED INTO

RACE/ETH	FREQUENCY PER COL	SERVICE				TOTAL
		ARMY	NAVY	USAF	USMC	
0	0	0.000	0.108	0.000	0.000	0.108
1	1	1.126	2.227	0.736	0.533	4.622
2	2	2.080	3.377	1.147	1.000	7.584
3	3	3.064	3.711	1.115	1.163	9.053
4	4	4.011	3.884	1.111	1.018	9.934
5	5	5.011	6.008	0.733	0.043	11.805
6	6	6.007	3.114	0.333	0.006	9.460
TOTAL		24.06	31.13	12.97	11.05	79.21

TABLE D-4

NAVY JROTC FEMALE GRADUATES FOR FISCAL YEARS 1977-1986,
BY RACE/ETHNIC GROUP AND
BRANCH OF SERVICE ENLISTED INTO

RACE/ETHNICITY	SERVICE				TOTAL
	ARMY	NAVY	USAF	USMC	
0	100.000 0.000	3.300 3.300	0.000 0.000	0.000 0.000	3.23
1	13.125 4.400	25.200 61.700	1.000 0.000	5.000 5.000	55.00
2	11.000 3.200	21.000 1.500	2.000 2.000	2.000 2.000	25.71
3	7.000 2.100	4.000 1.000	1.000 1.000	0.000 1.000	15.75
4	10.000 0.000	5.000 2.000	0.000 0.000	2.000 3.000	1.75
5	0.000 0.000	2.000 1.000	10.000 5.000	0.000 0.000	0.12
6	0.000 0.000	10.000 1.000	0.000 0.000	0.000 0.000	0.49
TOTAL	35.234 35.11	41.337 41.30	13.112 13.32	9.76 9.39	100.00

TABLE D-5

NAVY JROTC MALE GRADUATES FOR FISCAL YEARS 1977-1986,
BY JROTC PROGRAM GRADUATED FROM AND
BRANCH OF SERVICE ENLISTED INTO

JROTC, FREQUENCY PERCENT ROW PCT COL PCT	SERVICE					TOTAL
	ARMY	NAVY	USAF	USMC		
12	1749 22.86 32.75 72.69	2590 33.73 43.31 81.57	174 2.27 3.26 17.53	838 10.95 15.69 75.84		5341 69.82
22	657 8.59 23.45 27.31	583 7.62 25.25 13.43	372 4.83 14.73 82.17	267 3.49 11.56 24.16		2309 30.18
TOTAL	2406 31.45	3163 41.35	975 12.75	1105 14.44		7650 100.00

TABLE D-6

**NAVY JROTC FEMALE GRADUATES FOR FISCAL YEARS 1977-1986,
BY JROTC PROGRAM GRADUATED FROM AND
BRANCH OF SERVICE ENLISTED INTO**

JROTC	SERVICE	ARMY	NAVY	USAF	USMC	TOTAL
FREQUENCY PERCENT ROW PCT COL PCT						
12		209 25.83 36.99 73.59	275 33.99 43.67 81.60	27 3.36 6.73 24.11	54 6.67 9.56 71.05	565 69.86
22		75 9.27 30.74 26.41	52 7.56 25.41 13.40	35 13.51 36.56 75.39	22 2.72 9.02 28.95	244 30.16
TOTAL		284 35.11	327 41.66	112 13.34	76 9.39	839 100.00

TABLE D-7

NAVY JROTC MALE GRADUATES FOR FISCAL YEARS 1977-1986,
BY AFQT CATEGORY AND
BRANCH OF SERVICE ENLISTED INTO

AFQT FREQUENCY ROW COL	SERVICE PCT PCT	SERVICE				TOTAL
		ARMY	NAVY	USAF	USMC	
0		200.0000	300.0000	300.0000	000.0000	2185
		1.7400	2.0000	1.7400	0.0000	2.39
1		400.0000	200.0000	100.0000	100.0000	0.59
		0.0000	0.0000	0.0000	0.0000	
2		600.0000	200.0000	300.0000	000.0000	2219
		0.0000	0.0000	0.0000	0.0000	2.88
3		400.0000	300.0000	000.0000	000.0000	4.32
		0.0000	0.0000	0.0000	0.0000	4.18
4		400.0000	300.0000	000.0000	100.0000	1101
		0.0000	0.0000	0.0000	0.0000	3.27
5		300.0000	200.0000	200.0000	100.0000	3357
		0.0000	0.0000	0.0000	0.0000	3.98
6		200.0000	400.0000	200.0000	100.0000	1135
		0.0000	0.0000	0.0000	0.0000	7.4
7		200.0000	100.0000	100.0000	100.0000	2155
		0.0000	0.0000	0.0000	0.0000	2.27
8		100.0000	200.0000	100.0000	000.0000	4.32
		0.0000	0.0000	0.0000	0.0000	4.21
TOTAL		31.43	41.33	12.75	14.44	105.90

TABLE D-8

NAVY JROTC FEMALE GRADUATES FOR FISCAL YEARS 1977-1986,
BY AFQT CATEGORY AND
BRANCH OF SERVICE ENLISTED INTO

AFQT PERCENTILE RANK	SERVICE					TOTAL
		ARMY	NAVY	USAF	USMC	
0		20.6 21.7 1.1	51.1 53.3 2.2	21.7 21.7 0.0	0.0 0.0 0.0	2.84
1		100.1 0.0 0.0	3.0 3.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	3.12
2		100.7 0.0 0.0	3.0 3.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	3.87
3		40.9 28.9 11.0	33.4 1.1 32.3	0.0 0.0 0.0	0.0 0.0 0.0	1.42
4		44.2 9.1 35.1	43.2 9.1 34.1	1.0 7.0 6.0	0.0 0.0 0.0	7.59
5		12.9 34.2 21.3	13.1 33.3 20.2	2.0 2.0 0.0	1.0 2.0 1.0	32.88
6		23.8 23.0 0.0	22.7 22.0 0.0	1.0 3.0 2.0	1.0 4.0 3.0	25.33
7		37.6 30.0 7.6	13.7 43.3 29.6	1.0 1.0 0.0	1.0 1.0 0.0	25.03
8		20.7 20.0 0.0	31.1 30.0 1.0	2.0 4.0 2.0	1.0 3.0 2.0	2.83
TOTAL		284 35.11	337 41.66	117 13.34	76 9.39	809 100.00

TABLE E-1

ALL SERVICES JROTC GRADUATES FOR FISCAL YEAR 1986,
BY BRANCH OF SERVICE ENLISTED INTO AND JROTC PROGRAM GRADUATED FROM

SERVICE	JROTC	10	11	12	13	14	20	21	22	23	24	TOTAL
100-TCO 100-NCR 100-NCB 100-NCB	ARMY	1376 21-34 42-50 18-53	273 3-69 33-77	658 7-10 14-15 19-15	50 1-03 14-71	5 9-13 22-22	732 11-33 22-01 33-01	134 2-09 4-13 6-13	193 3-13 6-11 31-11	49 9-42 1-24 2-29	3238 50-21	
ARMY	ARMY	678 2-61 34-47 52-73	236 6-33 27-36 47-36	260 4-03 17-09 27-09	33 3-31 21-29	8 1-12 26-23	205 3-18 16-12 15-12	82 1-23 1-23 26-23	33 9-21 9-21 9-21	15 9-13 1-13 10-07	1563 22-03	
USAF	USAF	133 3-36 13-33 9-33	22 2-21 3-30	33 1-34 10-23	9 3-16 3-31	11 9-11 49-76	233 6-33 20-07 20-07	73 1-33 21-33 21-33	308 3-11 35-11 35-11	23 9-31 2-31 16-31	996 15-46	
USMC	USMC	214 3-32 23-42 9-53	33 1-33 11-44 13-57	115 1-33 13-43 12-43	53 3-03 36-19	2 9-23 7-51	136 2-11 13-03 16-03	49 2-71 13-36 13-36	33 9-16 6-16 5-16	48 9-31 9-31 4-43	732 11-06	
TOTAL	TOTAL	2271 36-13	629 3-33	923 14-61	155 2-08	362 3-62	1356 21-33	333 5-13	937 9-37	138 2-18	6649 103-08	

TABLE E-2

TERM OF ENLISTMENT FOR ALL SERVICES JROTC
GRADUATES FOR FISCAL YEAR 1986

TOE	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
1	3	0.0	3	0.0
2	186	2.9	189	2.9
3	1939	30.1	2128	33.0
4	3910	60.6	6038	93.6
5	20	0.3	6058	93.9
6	166	2.6	6224	96.5
8	225	3.5	6449	100.0

TABLE E-3

ENTERING PAYGRADE FOR ALL SERVICES JROTC GRADUATES
FOR FISCAL YEAR 1986

ENT_PG	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
1	702	11.0	702	11.0
2	1751	27.2	2460	38.2
3	3967	61.5	6427	99.7
4	13	0.3	6440	99.9
5	9	0.1	6449	100.0

TABLE E-4

ALL SERVICES JROTC GRADUATES FOR FISCAL YEAR 1986,
BY SEX AND BRANCH OF SERVICE ENLISTED INTO

SEX	SERVICE	FREQUENCY					TOTAL
		ARMY	NAVY	USAF	USMC		
1	PERCENT	2898	1333	856	717	5814	
	ROW PCT	44.94	20.67	13.43	11.12	93.15	
	COL PCT	49.85	22.93	14.30	12.33		
		89.50	91.11	86.35	95.35		
2	PERCENT	340	130	130	35	635	
	ROW PCT	5.27	2.02	2.02	0.54	7.85	
	COL PCT	53.54	20.47	20.67	5.51		
		10.50	8.39	13.35	4.65		
TOTAL		3238	1463	986	752	5449	
		50.21	22.69	15.44	11.66	103.00	

TABLE E-5

ALL SERVICES JROTC GRADUATES FOR FISCAL YEAR 1986,
BY RACE/ETHNIC GROUP AND BRANCH OF SERVICE ENLISTED INTO

RACE/ETH		SERVICE				TOTAL
FREQUENCY PCT	PERCENT PCT	ARMY	NAVY	USAF	USMC	
1		1553	821	639	396	3379
2		1437	519	333	266	3555
3		133	386	25	65	308
4		13	19	2	4	30
5		72	22	14	7	115
6		29	6	3	14	62
TOTAL		3238	1463	936	752	5449
		50.21	22.69	15.44	11.66	100.00

TABLE E-6

ALL SERVICES JROTC GRADUATES FOR FISCAL YEAR 1986,
BY RACE/ETHNIC GROUP AND AFQT CATEGORY

RACE/ETHN	AFQT	0	1	2	3	4	5	6	7	8	TOTAL
FREQUENCY ROW PCT COL PCT											
1		5	0.08	0	0.00	101	949	891	1282	161	3379
		0.15	0.00	1.57	0.00	1.57	14.72	13.66	19.88	2.50	52.40
		71.43	0.00	27.82	0.00	27.82	35.54	26.07	37.94	4.76	
2		1	0.02	1	0.02	235	1699	520	293	6	2555
		0.04	0.06	3.66	0.06	3.66	23.24	8.06	4.54	0.09	39.62
		14.29	50.00	64.74	50.00	64.74	55.14	20.35	11.67	0.23	
3		1	0.02	0	0.00	17	134	75	75	6	308
		0.32	0.00	0.36	0.00	0.36	2.08	1.16	1.15	0.09	4.78
		14.29	0.00	5.52	0.00	5.52	43.51	24.35	24.35	1.95	
4		0	0.00	0	0.00	2	12	8	7	1	30
		0.00	0.00	0.03	0.00	0.03	0.19	0.12	3.11	0.02	0.47
		0.00	0.00	6.67	0.00	6.67	40.00	26.67	23.33	3.33	
5		0	0.00	0	0.00	7	42	30	31	4	115
		0.00	0.02	0.11	0.02	0.11	0.55	0.47	3.68	0.06	1.78
		0.00	50.00	1.93	50.00	1.93	35.57	26.09	29.98	3.23	
6		0	0.00	0	0.00	1	36	15	11	1	62
		0.00	0.00	0.02	0.00	0.02	0.33	0.33	0.17	0.02	0.96
		0.00	0.00	0.28	0.00	0.28	54.84	26.19	17.74	1.61	
TOTAL		7	0.11	363	0.03	5.63	2670	1527	1699	178	6649
							41.60	23.71	26.33	2.78	100.00

TABLE E-7

ALL SERVICES JROTC GRADUATES FOR FISCAL YEAR 1986,
BY SEX AND AFQT CATEGORY

SEX	AFQT	0	3	4	5	6	7	8	TOTAL
FREQUENCY PERCENT ROW PCT COL PCT									
1		6 0-09 0-10 85-71	2 0-03 0-03 100-00	360 5-58 6-19 99-17	2649 37-97 42-12 91-72	1311 20-33 22-55 85-74	1519 23-55 26-13 89-41	167 2-59 2-87 93-30	5816 90-15
2		1 0-02 0-16 14-29	0 0-00 0-00 0-00	3 0-05 0-47 0-93	221 3-43 34-30 8-28	219 3-33 36-33 14-25	180 2-79 28-35 10-59	12 0-19 1-89 6-70	635 9-85
TOTAL		7 0-11	2 0-03	363 5-63	2670 41-60	1529 23-71	1699 26-35	179 2-78	6469 100-00

TABLE E-8

ALL SERVICES JROTC GRADUATES FOR FISCAL YEAR 1986,
BY SEX AND RACE/ETHNIC GROUP

SEX	RACE/ETH	1	2	3	4	5	6	TOTAL
FREQUENCY								
PERCENT								
ROW PCT								
COL PCT								
1		3126 48.47 53.77 92.51	2233 34.63 38.41 87.40	279 4.33 4.80 90.58	26 0.40 0.65 86.57	95 1.47 1.63 82.61	55 2.85 3.95 89.71	5816 90.15
2		253 3.92 39.84 7.49	322 4.99 50.71 12.60	20 0.45 4.52 9.42	4 0.35 0.53 13.33	20 0.31 3.15 17.39	7 1.11 1.10 11.29	633 9.85
TOTAL		3379 52.40	2555 39.62	308 4.78	30 0.47	115 1.78	62 3.96	6449 100.00

TABLE E-9

ALL SERVICES JROTC GRADUATES FOR FISCAL YEAR 1986,
BY HIGHEST YEAR OF EDUCATION COMPLETED AND
BRANCH OF SERVICE ENLISTED INTO

HYEC		SERVICE						
FREQUENCY	PERCENT	ROW	PCT	ARMY	NAVY	USAF	USMC	TOTAL
COL	PCT							
2				00:0000	100:0000	00:0000	00:0000	3.02
				00:0000	00:0000	00:0000	00:0000	
3				10:0000	20:0000	00:0000	00:0000	3.13
				00:0000	00:0000	00:0000	00:0000	
4				50:0000	40:0000	00:0000	00:0000	3.61
				00:0000	00:0000	00:0000	00:0000	
5				40:0000	40:0000	00:0000	00:0000	1.89
				10:0000	20:0000	00:0000	00:0000	1.38
6				30:0000	120:0000	10:0000	10:0000	9.013
				00:0000	00:0000	00:0000	00:0000	9.24
7				30:0000	20:0000	20:0000	10:0000	1.97
				10:0000	10:0000	20:0000	10:0000	1.50
8				40:0000	20:0000	30:0000	00:0000	3.83
				00:0000	10:0000	10:0000	00:0000	3.83
9				40:0000	30:0000	10:0000	10:0000	3.30
				00:0000	00:0000	00:0000	00:0000	3.31
10				40:0000	20:0000	20:0000	10:0000	3.33
				00:0000	00:0000	00:0000	00:0000	3.54
13				30:0000	50:0000	00:0000	00:0000	1.86
				00:0000	00:0000	00:0000	00:0000	1.33
TOTAL				33238	1463	934	752	5449
				50.21	22.69	15.44	11.66	105.00

TABLE E-10

ALL SERVICES JROTC GRADUATES FOR FISCAL YEAR 1986,
BY HIGHEST YEAR OF EDUCATION COMPLETED AND
RACE/ETHNIC GROUP

NYEC	RACE/ETH						TOTAL
FREQUENCY PERCENT COL PCT	1	2	3	4	5	6	
2	0:00 0:00	0:00 0:00	10:00 0:00	0:00 0:00	0:00 0:00	3:00 0:00	0.02
3	50:11 0:00	30:00 0:00	0:00 0:00	0:00 0:00	0:00 0:00	3:00 0:00	0.13
4	90:00 0:00	0:00 0:00	0:00 0:00	0:00 0:00	0:00 0:00	3:00 0:00	0.41
5	70:00 0:00	20:00 0:00	0:00 0:00	0:00 0:00	0:00 0:00	3:00 0:00	1.32
6	10:00 0:00	10:00 0:00	2:00 0:00	10:00 0:00	1:12 0:00	1:00 0:00	90.12
7	40:00 0:00	30:00 0:00	0:00 0:00	0:00 0:00	0:00 0:00	1:00 0:00	1.97
8	0:00 0:00	20:00 0:00	10:00 0:00	0:00 0:00	0:00 0:00	1:00 0:00	0.33
9	40:00 0:00	40:00 0:00	0:00 0:00	0:00 0:00	0:00 0:00	3:00 0:00	0.39
10	0:00 0:00	20:00 0:00	10:00 0:00	0:00 0:00	0:00 0:00	3:00 0:00	0.32
13	70:00 0:00	10:00 0:00	0:00 0:00	0:00 0:00	0:00 0:00	1:00 0:00	1.33
TOTAL	33.79 92.40	23.33 39.62	4.30 4.98	0.39 0.39	1.12 1.78	3.62 3.62	100.00

TABLE E-11

ALL SERVICES JROTC GRADUATES FOR FISCAL YEAR 1986,
BY HIGHEST YEAR OF EDUCATION COMPLETED AND SEX

HYEC	SEX		TOTAL
	FREQUENCY FROM COL	PERCENT PCT	
2	1	2	
	100.00	0.02	0.02
3	100.00	0.12	0.12
4	100.00	0.41	0.41
5	100.00	1.38	1.38
6	90.00	9.33	9.33
7	80.00	1.50	1.50
8	60.00	0.83	0.83
9	90.00	0.51	0.51
10	80.00	0.54	0.54
13	90.00	1.36	1.36
TOTAL	90.13	9.33	100.00

TABLE E-12

ALL SERVICES JROTC GRADUATES FOR FISCAL YEAR 1986,
BY AGE AT ENTRY INTO THE MILITARY AND
BRANCH OF SERVICE ENLISTED INTO

AGE	AGENT FREQUENCY PERCENT ROW COL PCT PCT	SERVICE				TOTAL
		ARMY	NAVY	USAF	USMC	
17		312 4.84 52.44 9.64	140 2.17 22.55 9.57	73 1.11 12.11 7.33	68 1.05 11.05 9.04	593 9.23
18		1463 22.09 30.71 45.18	621 9.43 21.31 42.45	413 6.24 14.24 41.37	615 9.24 14.24 35.19	2914 45.19
19		723 11.28 31.89 22.48	303 4.60 21.50 20.71	216 3.33 13.33 24.50	156 2.34 11.12 20.78	1403 21.76
20		332 5.03 49.93 10.23	144 2.17 22.34 11.21	113 1.70 17.70 11.53	84 1.26 18.18 7.18	663 10.31
21		163 2.44 40.34 5.03	78 1.17 21.18 3.33	70 1.05 20.77 7.33	26 0.40 7.72 3.48	337 5.23
22		240 3.57 44.86 7.41	157 2.35 29.33 10.73	133 1.99 19.53 10.54	33 0.50 6.17 4.39	563 8.50
TOTAL		3238 50.21	1463 22.39	996 15.44	752 11.66	5449 103.00

TABLE E-13

ALL SERVICES JROTC GRADUATES FOR FISCAL YEAR 1986,
BY AGE AT ENTRY INTO THE MILITARY AND
RACE/ETHNIC GROUP

AGENT	RACE/ETH						
FREQUENCY PERCENT ROW PCT COL PCT	1	2	3	4	5	6	TOTAL
17	327 5.07 54.96 9.68	227 3.52 38.15 8.88	23 0.36 3.97 7.47	2 0.03 0.34 6.57	10 0.16 1.68 3.70	6 0.09 1.01 2.68	595 9.23
18	1522 23.60 52.23 45.04	1163 18.03 39.91 45.52	139 2.16 4.77 45.13	19 0.29 0.35 63.33	51 0.79 1.75 44.35	20 0.31 3.69 32.26	2914 45.19
19	695 10.78 49.54 20.57	592 9.18 42.29 23.17	67 1.04 4.78 21.75	5 0.08 0.36 16.57	27 0.42 1.92 23.48	17 0.26 1.21 27.42	1403 21.76
20	338 5.24 50.83 10.00	271 4.20 40.75 10.61	37 0.57 5.56 12.01	1 0.02 0.15 3.33	9 0.14 1.35 7.83	9 0.14 1.35 16.52	665 10.31
21	171 2.65 50.74 5.06	133 2.06 39.47 5.21	15 0.22 4.15 4.55	2 0.03 0.59 6.57	11 0.17 3.26 9.57	6 0.09 1.78 3.68	337 5.23
22	326 5.06 60.93 9.65	169 2.62 31.59 6.61	28 0.43 5.23 9.09	1 0.02 0.19 3.33	7 0.11 1.31 6.09	4 0.06 1.25 3.45	535 8.30
TOTAL	3379 52.40	2555 39.62	308 4.78	30 0.47	115 1.78	62 0.96	6449 100.00

TABLE E-14

ALL SERVICES JROTC GRADUATES FOR FISCAL YEAR 1986,
BY AGE AT ENTRY INTO THE MILITARY AND SEX

AGE	AGENT	SEX			TOTAL
FREQUENCY	PERCENT	PERCENT	1	2	
ROW	COL	PCT			
17					
			543	32	595
			8.42	0.51	9.23
			91.36	8.74	
			9.34	8.19	
18					
			2638	276	3714
			40.91	4.28	45.19
			90.53	9.67	
			45.37	43.46	
19					
			1261	142	1603
			19.35	2.00	21.76
			89.89	10.12	
			21.59	22.36	
20					
			621	54	665
			9.32	0.56	10.31
			90.38	9.52	
			10.34	10.38	
21					
			298	39	337
			4.32	0.30	5.23
			88.43	11.57	
			5.13	6.14	
22					
			473	52	535
			7.33	0.56	8.30
			88.41	11.50	
			8.14	9.76	
TOTAL			5814	635	6449
			90.15	9.55	100.00

TABLE E-15

ALL SERVICES JROTC GRADUATES FOR FISCAL YEAR 1986,
BY HOME OF RECORD AND
JROTC PROGRAM GRADUATED FROM

	101	111	121	131	141	201	211	221	231	241	TOTAL
0	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-16
1	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-16
2	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-16
3	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-16
4	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-16
5	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-16
6	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-16
7	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-16
8	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-16
9	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-16
10	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-16
11	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-16
12	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-16
TOTAL	0-00	0-00	0-00	0-00	0-00	0-00	0-00	0-00	0-00	0-00	0-00

(CONTINUED)

**ALL SERVICES JROTC GRADUATES FOR FISCAL YEAR 1986,
BY HOME OF RECORD AND
JROTC PROGRAM GRADUATED FROM**

(CONTINUED)

TABLE E-15 (CONTINUED)

ALL SERVICES JROTC GRADUATES FOR FISCAL YEAR 1986,
BY HOME OF RECORD AND
JROTC PROGRAM GRADUATED FROM

402	JROTC	10	11	12	13	14	20	21	22	23	24	TOTAL
FREQUENCY	PERCENT	10	11	12	13	14	20	21	22	23	24	TOTAL
COL PCT	COL PCT	COL PCT	COL PCT	COL PCT	COL PCT	COL PCT	COL PCT	COL PCT	COL PCT	COL PCT	COL PCT	COL PCT
25	0.00 0.00 0.00	0.00 0.00 0.00	0.11 21.43 0.00	0.11 21.43 0.00	0.11 21.43 0.00	0.11 21.43 0.00	0.11 21.43 0.00	0.11 21.43 0.00	0.11 21.43 0.00	0.11 21.43 0.00	0.11 21.43 0.00	0.32 0.32 0.32
26	0.00 0.00 0.00	0.00 0.00 0.00	0.11 21.43 0.00	0.11 21.43 0.00	0.11 21.43 0.00	0.11 21.43 0.00	0.11 21.43 0.00	0.11 21.43 0.00	0.11 21.43 0.00	0.11 21.43 0.00	0.11 21.43 0.00	0.32 0.32 0.32
27	0.00 0.00 0.00	0.00 0.00 0.00	0.11 21.43 0.00	0.11 21.43 0.00	0.11 21.43 0.00	0.11 21.43 0.00	0.11 21.43 0.00	0.11 21.43 0.00	0.11 21.43 0.00	0.11 21.43 0.00	0.11 21.43 0.00	0.14 0.14 0.14
28	0.00 0.00 0.00	0.00 0.00 0.00	0.11 21.43 0.00	0.11 21.43 0.00	0.11 21.43 0.00	0.11 21.43 0.00	0.11 21.43 0.00	0.11 21.43 0.00	0.11 21.43 0.00	0.11 21.43 0.00	0.11 21.43 0.00	0.14 0.14 0.14
29	0.02 1.19 2.33	0.02 1.19 2.33	0.05 3.57 7.14	0.05 3.57 7.14	0.05 3.57 7.14	0.05 3.57 7.14	0.05 3.57 7.14	0.05 3.57 7.14	0.05 3.57 7.14	0.05 3.57 7.14	0.05 3.57 7.14	0.18 0.18 0.18
30	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.12 0.12 0.12
31	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.31 0.31 0.31
32	0.02 2.44 2.33	0.02 2.44 2.33	0.05 3.57 7.14	0.05 3.57 7.14	0.05 3.57 7.14	0.05 3.57 7.14	0.05 3.57 7.14	0.05 3.57 7.14	0.05 3.57 7.14	0.05 3.57 7.14	0.05 3.57 7.14	0.41 0.41 0.41
33	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.11 0.11 0.11
34	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.31 0.31 0.31
35	0.02 2.44 2.33	0.02 2.44 2.33	0.05 3.57 7.14	0.05 3.57 7.14	0.05 3.57 7.14	0.05 3.57 7.14	0.05 3.57 7.14	0.05 3.57 7.14	0.05 3.57 7.14	0.05 3.57 7.14	0.05 3.57 7.14	1.03 1.03 1.03
36	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.31 0.31 0.31
TOTAL	0.43 0.43 0.43	0.43 0.43 0.43	2.20 2.20 2.20	2.20 2.20 2.20	2.20 2.20 2.20	2.20 2.20 2.20	2.20 2.20 2.20	2.20 2.20 2.20	2.20 2.20 2.20	2.20 2.20 2.20	2.20 2.20 2.20	100.00 100.00 100.00

(CONTINUED)

TABLE E-15 (CONTINUED)

ALL SERVICES JROTC GRADUATES FOR FISCAL YEAR 1986,
BY HOME OF RECORD AND
JROTC PROGRAM GRADUATED FROM

JROTC		10	11	12	13	14	20	21	22	23	24	TOTAL
FREQUENCY	PERCENT											
ROW PCT	COL PCT											
37		0-00 17-75	28-0 41-44 11-58	0-00 0-00 0-00	1-25 2-75 15-25	0-36 1-36 0-00	0-27 0-27 11-11	12-21 12-21 0-00	2-75 3-47 1-53	1-36 11-63 0-00	0-00 0-42 2-17	771 11-18
38		0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-00
39		0-00 0-00 0-00	0-00 14-99 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	104
40		0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	49
41		0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-11
42		0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	67
43		0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-15
44		0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-13
45		0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	288
46		0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	4-14
47		0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	338
48		0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	0-00 0-00 0-00	10-05
TOTAL		0-67	34-13	6-25	14-41	2-48	0-62	21-03	5-15	9-91	2-14	6449
												100-00

(CONTINUED)

TABLE E-15 (CONTINUED)

ALL SERVICES JROTC GRADUATES FOR FISCAL YEAR 1986,
BY HOME OF RECORD AND
JROTC PROGRAM GRADUATED FROM

400	JROTC	10	11	12	13	14	20	21	22	23	24	TOTAL
FREQUENCY												
PERCENT												
ROW PCT												
CBL PCT												
49	0.00 0.00 0.00	0.17 40.74 0.50	0.02 0.70 0.14	0.22 22.22 0.43	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.00 22.22 0.43	0.00 3.00 3.00	0.00 11.11 0.31	0.00 0.00 0.00	0.22 0.22 0.22
50	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.00 50.00 0.22	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.00 3.00 3.00	0.00 50.00 0.31	0.00 0.00 0.00	0.00 0.00 0.00
51	0.02 2.33 0.00	0.44 14.29 1.86	0.45 10.10 4.61	0.34 12.77 3.77	0.14 3.51 3.51	0.14 3.51 3.51	0.22 5.56 5.56	0.22 5.56 5.56	0.76 16.67 16.67	0.76 16.67 16.67	0.14 3.51 3.51	2.07 4.45 4.45
52	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.00 3.00 3.00	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00
53	0.00 0.00 0.00	0.14 19.23 0.45	0.00 2.00 2.00	0.20 2.00 1.40	0.20 9.09 3.23	0.20 9.09 3.23	0.20 0.00 0.00	0.20 9.09 3.23	0.76 3.00 3.00	0.76 3.00 3.00	0.00 0.00 0.00	0.22 0.22 0.22
54	0.00 0.00 0.00	0.14 36.00 0.41	0.00 0.00 0.00	0.14 6.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.14 3.00 3.00	0.14 3.00 3.00	0.00 3.00 3.00	0.00 16.67 0.41	0.00 0.00 0.00	0.00 0.00 0.00
55	0.00 0.00 0.00	0.00 20.00 0.23	0.00 12.00 0.48	0.00 5.00 0.22	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.00 3.00 3.00	0.00 3.00 3.00	0.00 16.67 0.41	0.00 0.00 0.00	0.00 0.00 0.00
56	0.00 0.00 0.00	0.00 9.09 0.05	0.00 0.00 0.16	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.00 3.00 3.00	0.00 16.67 0.41	0.00 0.00 0.00	0.00 0.00 0.00
TOTAL	43 0.67	2201 34.13	629 9.75	929 14.41	133 2.49	133 2.49	27 0.42	215 3.58	332 5.13	939 9.91	138 2.14	649 100.00

TABLE E-16

ALL SERVICES JROTC GRADUATES FOR FISCAL YEAR 1986,
BY AFQT CATEGORY AND BRANCH OF SERVICE ENLISTED INTO

AFQT	SERVICE				TOTAL
FREQUENCY PERCENT ROW PCT COL PCT	ARMY	NAVY	USAF	USMC	
0	0.000 0.000 0.000	0.000 0.000 0.000	0.117 100.000 0.700	0.000 0.000 0.000	3.17
3	0.000 0.000 0.000	0.000 100.000 0.14	0.000 0.000 0.000	0.000 0.000 0.000	3.03
4	1.166 4.273 3.133	1.191 3.230 13.000	0.000 0.000 0.000	0.000 0.000 0.000	5.63
5	1.413 4.273 3.092	5.62 2.871 3.241	3.66 1.333 3.073	3.329 1.333 4.333	26.70 41.40
6	1.783 3.117 2.424	2.73 1.433 1.907	2.66 1.433 2.671	1.99 1.333 2.640	15.29 23.71
7	1.809 2.554 2.490	3.74 2.330 2.300	3.16 1.433 3.133	3.00 1.333 2.600	16.99 25.35
8	1.63 3.001 2.001	0.333 3.000 3.700	0.333 2.133 3.333	0.21 1.000 2.779	1.79 2.78
TOTAL	32.38 50.24	14.63 22.69	15.926 15.44	11.752 11.66	64.69 103.00

TABLE E-17

ALL SERVICES JROTC GRADUATES FOR FISCAL YEAR 1986,
BY JROTC PROGRAM GRADUATED FROM AND
RACE/ETHNIC GROUP

JROTC	RACE/ETH	1	2	3	4	5	6	TOTAL
FREQUENCY	PERCENT							
COL	PCT							
10	10	50-10	30-14	0-0	0-0	0-0	3-0	0.36
		0-0	0-0	0-0	0-0	0-0	0-0	
11	11	10-0	10-0	1-0	30-0	30-0	3-0	1992
		0-0	0-0	0-0	0-0	0-0	0-0	
12	12	10-0	30-0	0-0	1-0	0-0	0-0	570
		0-0	0-0	0-0	0-0	0-0	0-0	
13	13	10-0	10-0	1-0	1-0	1-0	1-0	14.83
		0-0	0-0	0-0	0-0	0-0	0-0	
14	14	10-0	10-0	0-0	0-0	0-0	0-0	2.14
		0-0	0-0	0-0	0-0	0-0	0-0	
20	20	30-0	20-0	0-0	0-0	0-0	0-0	0.36
		0-0	0-0	0-0	0-0	0-0	0-0	
21	21	11-0	10-0	1-0	1-0	2-0	2-0	1230
		0-0	0-0	0-0	0-0	0-0	0-0	
22	22	10-0	10-0	0-0	0-0	0-0	0-0	5.30
		0-0	0-0	0-0	0-0	0-0	0-0	
23	23	10-0	10-0	0-0	0-0	0-0	0-0	9.57
		0-0	0-0	0-0	0-0	0-0	0-0	
24	24	10-0	10-0	0-0	0-0	0-0	0-0	2.11
		0-0	0-0	0-0	0-0	0-0	0-0	
TOTAL		31.36	38.23	2.78	0.76	1.63	3.53	78.14
		53.77	58.24	4.80	0.76	1.63	3.53	100.00

TABLE E-18

ALL SERVICES JROTC GRADUATES FOR FISCAL YEAR 1986,
BY JROTC PROGRAM GRADUATED FROM AND
RACE/ETHNIC GROUP

JROTC	RACE/ETH	1	2	3	4	5	6	TOTAL
FREQUENCY PERCENT FROM COL PCT								
10		40.47 41.19	50.64 51.24	0.00 0.00	0.00 0.00	0.00 0.00	3.00 3.00	1.10
11		11.74 11.93	17.10 17.11	1.10 1.10	0.33 0.33	1.12 1.12	3.33 3.33	32.20
12		4.23 4.23	50.34 50.34	0.00 0.00	0.00 0.00	0.00 0.00	3.00 3.00	9.23
13		4.42 4.42	13.00 13.00	0.00 0.00	0.00 0.00	0.00 0.00	1.00 1.00	15.23
14		3.47 3.47	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	3.00 3.00	1.42
20		40.33 40.33	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	3.00 3.00	0.73
21		38.51 37.90	10.00 10.00	1.00 1.00	0.00 0.00	0.00 0.00	3.00 3.00	21.23
22		6.21 6.21	3.10 3.10	0.00 0.00	0.00 0.00	0.00 0.00	1.00 1.00	3.02
23		4.23 4.23	50.34 50.34	0.00 0.00	0.00 0.00	0.00 0.00	3.00 3.00	9.23
24		0.73 29.41	1.00 22.00	0.00 0.00	0.00 0.00	0.00 0.00	3.00 3.00	2.17
TOTAL		39.23	50.77	4.23	0.13	1.20	1.10	100.00

TABLE E-19

ALL SERVICES JROTC GRADUATES FOR FISCAL YEAR 1986,
BY HIGHEST YEAR OF EDUCATION COMPLETED AND
RACE/ETHNIC GROUP

HYEC	RACE/ETH						TOTAL
FREQUENCY PERCENT ROW COL PCT PCT	1	2	3	4	5	6	
2	0.0000 0.0000 0.0000	0.0000 0.0000 0.0000	10.0000 0.0000 0.0000	0.0000 0.0000 0.0000	0.0000 0.0000 0.0000	1.0000 0.0000 0.0000	0.02
3	3.0000 0.0000 0.0000	3.0000 0.0000 0.0000	0.0000 0.0000 0.0000	0.0000 0.0000 0.0000	0.0000 0.0000 0.0000	1.0000 0.0000 0.0000	0.12
4	9.0000 0.0000 0.0000	0.0000 0.0000 0.0000	0.0000 0.0000 0.0000	0.0000 0.0000 0.0000	0.0000 0.0000 0.0000	1.0000 0.0000 0.0000	0.41
5	7.1000 0.0000 0.0000	2.0000 0.0000 0.0000	0.0000 0.0000 0.0000	0.0000 0.0000 0.0000	0.0000 0.0000 0.0000	1.0000 0.0000 0.0000	1.33
6	9.0000 0.0000 0.0000	9.0000 0.0000 0.0000	4.0000 0.0000 0.0000	10.0000 0.0000 0.0000	1.0000 0.0000 0.0000	1.0000 0.0000 0.0000	24.02
7	6.0000 0.0000 0.0000	2.0000 0.0000 0.0000	0.0000 0.0000 0.0000	0.0000 0.0000 0.0000	0.0000 0.0000 0.0000	1.0000 0.0000 0.0000	1.22
8	6.0000 0.0000 0.0000	2.0000 0.0000 0.0000	10.0000 0.0000 0.0000	0.0000 0.0000 0.0000	0.0000 0.0000 0.0000	1.0000 0.0000 0.0000	0.48
9	6.0000 0.0000 0.0000	3.0000 0.0000 0.0000	0.0000 0.0000 0.0000	0.0000 0.0000 0.0000	0.0000 0.0000 0.0000	1.0000 0.0000 0.0000	0.34
10	6.0000 0.0000 0.0000	2.0000 0.0000 0.0000	1.0000 0.0000 0.0000	0.0000 0.0000 0.0000	0.0000 0.0000 0.0000	1.0000 0.0000 0.0000	0.33
13	7.1000 0.0000 0.0000	1.0000 0.0000 0.0000	0.0000 0.0000 0.0000	0.0000 0.0000 0.0000	0.0000 0.0000 0.0000	1.0000 0.0000 0.0000	1.22
TOTAL	5.1222	3.2222	4.222	0.22	1.22	3.222	28.16 100.00

TABLE E-20

ALL SERVICES JROTC GRADUATES FOR FISCAL YEAR 1986,
BY HIGHEST YEAR OF EDUCATION COMPLETED AND
RACE/ETHNIC GROUP

HYEC	RACE/ETH						
FREQUENCY PERCENT ROW COL BY	1	2	3	4	5	6	TOTAL
2	0.00	0.00	0.00	0.00	0.00	3.00	0.00
	0.00	0.00	0.00	0.00	0.00	3.00	
3	0.00	0.00	0.00	0.00	0.00	3.00	0.00
	0.00	0.00	0.00	0.00	0.00	3.00	
4	0.00	0.00	0.00	0.00	0.00	3.00	0.00
	0.00	0.00	0.00	0.00	0.00	3.00	
5	0.00	0.00	0.00	0.00	0.00	3.00	0.00
	0.00	3.00	0.00	0.00	0.00	3.00	
6	39.23 30.00 98.82	30.00 30.00 98.82	4.27 4.27 93.10	0.00 0.00 100.00	3.00 3.00 93.00	1.00 1.00 100.00	95.63
7	20.00 1.79	71.10 3.11	0.00 0.00	0.00 0.00	0.00 0.00	3.00 1.00	2.03
8	20.00 0.79	40.00 0.89	10.11 3.23	0.00 0.00	10.11 3.00	3.00 3.00	1.10
9	50.00 0.00	50.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	3.00 3.00	0.31
10	50.00 0.79	50.00 0.89	0.00 0.00	0.00 0.00	0.00 0.00	3.00 3.00	0.63
13	0.00 0.00	0.00 0.00	100.00 3.23	0.00 0.00	0.00 0.00	3.00 3.00	0.10
TOTAL	39.23	30.00	4.27	0.00	3.00	1.10	100.00

TABLE E-21

ALL SERVICES JROTC MALE GRADUATES FOR FISCAL YEAR 1986,
BY AFQT CATEGORY AND RACE/ETHNIC GROUP

AFQT FREQUENCY PERCENT ROW PCT COL PCT	RACE/ETH						TOTAL
	1	2	3	4	5	6	
0	4 0-07 66-67 0-13	1 0-03 16-67 0-04	1 0-02 16-67 0-34	0 0-00 0-00 0-00	0 0-00 0-00 0-00	0 3-00 3-00 3-00	6 0-10
3	0 0-00 0-00 0-00	1 0-02 50-00 0-04	0 0-00 0-00 0-00	0 0-00 0-00 0-00	1 0-02 50-00 1-03	0 3-00 3-00 3-00	2 0-03
4	101 1-74 28-06 3-23	232 3-99 64-44 10-39	17 0-29 4-72 6-07	2 0-33 0-35 7-59	7 7-12 1-94 7-37	1 3-02 3-02 1-82	360 6-19
5	886 15-24 36-16 28-34	1366 23-50 55-78 61-17	122 2-10 4-98 43-73	10 0-17 0-11 38-46	35 7-40 1-43 35-24	30 3-22 3-22 56-53	2649 42-12
6	810 13-93 61-78 25-91	396 6-81 30-21 17-73	63 1-03 4-81 22-58	7 0-12 0-13 26-32	23 9-40 2-75 26-21	12 3-21 3-21 21-82	1111 22-33
7	1173 20-18 77-22 37-52	232 3-99 15-27 10-30	72 1-24 4-74 25-61	6 0-10 0-13 25-38	25 9-43 1-63 26-32	11 3-19 3-19 23-06	1519 26-13
8	152 2-61 91-02 4-86	5 0-09 2-99 0-22	1 0-07 2-40 1-43	1 0-32 9-50 3-52	4 9-47 2-40 4-21	1 3-02 3-02 1-82	167 2-87
TOTAL	3126 53-77	2233 38-41	279 4-80	26 0-15	95 1-63	55 3-95	5816 100-00

TABLE E-22

ALL SERVICES JROTC FEMALE GRADUATES FOR FISCAL YEAR 1986,
BY AFQT CATEGORY AND RACE/ETHNIC GROUP

AFQT	RACE/ETH	1	2	3	4	5	6	TOTAL
FREQUENCY								
PERCENT								
ROW PCT								
COL PCT								
0		1	0	0	0	0	0	0.16
		0.00	0.00	0.00	0.00	0.00	0.00	
		100.00	0.00	0.00	0.00	0.00	0.00	
		0.40	0.00	0.00	0.00	0.00	0.00	
3		0	0	0	0	0	0	0.00
		0.00	0.00	0.00	0.00	0.00	0.00	
		0.00	0.00	0.00	0.00	0.00	0.00	
4		0	3	0	0	0	0	0.47
		0.00	0.47	0.00	0.00	0.00	0.00	
		0.00	100.00	0.00	0.00	0.00	0.00	
		0.00	0.93	0.00	0.00	0.00	0.00	
5		63	133	12	2	7	4	221
		9.92	20.94	1.89	0.31	1.19	7.63	
		28.51	60.18	7.43	0.90	3.17	51.81	
		24.90	41.38	4.13	50.00	35.00	51.81	
6		71	124	12	1	7	3	218
		11.18	19.53	1.89	0.16	1.19	7.63	
		32.57	56.88	7.43	0.16	3.17	51.81	
		28.06	38.51	4.13	25.00	35.00	42.86	
7		109	61	3	1	6	0	180
		17.17	9.61	0.47	0.16	0.94	0.00	
		60.56	33.89	1.47	0.16	3.33	0.00	
		43.08	18.94	10.34	25.00	30.00	0.00	
8		9	1	2	0	0	0	12
		1.42	0.16	0.31	0.00	0.00	0.00	
		75.00	8.33	16.67	0.00	0.00	0.00	
		35.56	0.31	5.90	0.00	0.00	0.00	
TOTAL		253	322	29	4	20	7	633
		39.84	50.71	4.57	0.63	3.15	1.10	100.00

TABLE E-23

ALL SERVICES JROTC MALE GRADUATES FOR FISCAL YEAR 1986,
BY BRANCH OF SERVICE ENLISTED INTO AND RACE/ETHNIC GROUP

SVC	RACE/ETH	1	2	3	4	5	6	TOTAL
FREQUENCY								
PERCENT								
ROW PCT								
COL PCT								
1		14.35	12.47	12.2	12	57	25	2898
		24.68	21.45	2.10	0.21	0.98	3.43	49.85
		49.52	43.03	43.73	46.15	1.97	7.86	
		45.91	55.84			60.00	45.45	
2		6.46	37.6	5.6	9	20	5	1110
		11.11	6.47	0.93	0.11	7.34	0.09	19.09
		53.20	33.87	6.86	0.31	1.30	3.45	
		20.67	16.84	19.35	34.52	21.05	7.09	
3		5.46	27.2	23	2	12	11	866
		9.39	4.63	0.40	0.33	0.21	7.19	14.90
		63.05	31.41	2.66	0.33	1.39	1.27	
		17.47	12.18	8.24	7.59	12.63	23.00	
4		37.9	25.4	6.1	3	6	14	717
		6.52	4.37	1.05	0.35	0.10	7.24	12.33
		52.86	35.43	8.51	0.42	0.84	1.95	
		12.12	11.37	21.36	11.54	6.32	25.45	
8		1.20	8.4	1.9	0	0	0	223
		2.06	1.44	0.33	0.00	0.00	3.00	3.84
		53.81	37.67	8.52	0.00	0.00	3.00	
		3.24	3.76	6.81	0.00	0.00	3.00	
TOTAL		3126	2233	279	26	95	55	5814
		53.77	38.41	4.80	0.45	1.63	3.95	100.00

TABLE E-24

ALL SERVICES JROTC FEMALE GRADUATES FOR FISCAL YEAR 1986,
BY BRANCH OF SERVICE ENLISTED INTO AND RACE/ETHNIC GROUP

SVC	RACE/ETH	1	2	3	4	5	6	TOTAL
FREQUENCY PERCENT RJW PCT COL PCT								
1		118 18.58 34.71 46.64	190 29.92 55.88 59.01	10 1.57 2.94 34.48	3 0.47 0.85 75.00	15 2.36 4.41 75.00	4 2.63 1.18 57.14	340 53.56
2		54 8.50 42.19 21.34	58 9.13 45.31 18.01	13 2.05 10.16 44.82	0 0.00 0.00 0.00	2 0.31 1.56 10.00	1 2.16 3.78 16.29	128 20.16
3		63 9.92 48.46 24.90	61 9.61 46.92 18.94	2 0.31 1.54 6.93	0 0.00 0.00 0.00	2 0.31 1.54 10.00	2 2.31 1.54 23.57	130 20.47
4		17 2.68 48.57 6.72	12 1.89 34.29 3.73	4 0.63 11.43 13.79	1 0.16 2.36 25.00	1 2.16 3.86 5.00	0 2.00 3.00 3.00	35 5.51
8		1 0.16 50.00 0.40	1 0.15 50.00 0.31	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 2.00 3.00 3.00	2 0.31
TOTAL		253 39.84	322 50.71	29 4.57	4 0.53	20 3.15	7 1.10	635 100.00

TABLE F-1

TERM OF ENLISTMENT FOR ALL NAVY JROTC PROGRAM GRADUATES

TOE	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
2	18	1.9	18	1.9
3	209	21.7	227	23.5
4	656	68.3	883	91.7
6	31	3.2	914	95.1
8	47	4.9	961	100.0

TABLE F-2

ENTERING PAYGRADE FOR ALL NAVY JROTC PROGRAM GRADUATES

ENT_PG	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
1	122	12.7	122	12.7
2	292	29.3	404	42.0
3	556	57.9	960	99.9
4	1	0.1	961	100.0

TABLE F-3

NAVY JROTC PROGRAM GRADUATES FOR FISCAL YEAR 1986,
BY SEX AND BRANCH OF SERVICE ENLISTED INTO

SEX	SERVICE	ARMY	NAVY	USAF	USMC	TOTAL
FREQUENCY ROW PCT COL PCT						
1		319 33.19 36.67 88.86	344 35.30 39.54 91.01	83 8.54 9.54 20.22	124 12.90 14.25 93.94	870 93.53
2		40 4.16 43.96 11.14	34 3.54 37.36 8.99	9 0.94 9.39 9.78	8 0.83 8.79 6.06	91 9.47
TOTAL		359 37.36	378 39.33	92 9.57	132 13.74	961 103.00

TABLE F-4

NAVY JROTC PROGRAM GRADUATES FOR FISCAL YEAR 1986,
BY RACE/ETHNIC GROUP AND
BRANCH OF SERVICE ENLISTED INTO

RACE/ETH	SERVICE				
FREQUENCY PERCENT ROW PCT COL PCT	ARMY	NAVY	USAF	USMC	TOTAL
1	126 20.40 45.77 54.60	224 23.31 40.98 59.26	39 6.14 10.77 64.13	69 7.18 12.59 52.27	548 57.02
2	155 16.13 45.32 45.18	111 11.55 32.46 29.37	27 2.31 7.90 29.35	49 5.10 14.33 37.12	342 35.39
3	3 0.31 0.98 0.34	29 3.02 67.44 7.67	3 0.31 6.98 3.26	8 0.83 13.60 6.06	43 4.47
4	1 0.10 16.67 0.28	4 0.42 66.67 1.06	0 0.00 0.00 0.00	1 0.10 16.67 0.76	6 0.62
5	3 0.31 25.00 0.34	7 0.73 58.33 1.33	1 0.10 8.33 1.33	1 0.10 8.33 0.76	12 1.25
6	1 0.10 10.00 0.29	3 0.31 30.00 0.79	2 0.21 20.00 2.17	4 0.42 40.00 3.03	10 1.04
TOTAL	359 37.36	378 39.33	72 9.57	132 13.74	961 100.00

TABLE F-5

NAVY JROTC PROGRAM GRADUATES FOR FISCAL YEAR 1986,
BY RACE/ETHNIC GROUP AND AFQT CATEGORY

RACE/ETH FREQUENCY PERCENT ROW PCT COL PCT	AFQT						TOTAL
	4	5	6	7	8	9	
1	25 2.60 4.56 37.31	158 16.44 28.83 40.93	137 14.26 25.00 61.16	200 20.81 36.50 78.13	28 2.91 5.11 103.00		548 57.02
2	35 3.64 10.23 52.24	203 21.12 59.36 52.59	64 6.66 18.71 28.57	40 4.16 11.70 15.63	0 0.00 0.00 0.00		342 35.59
3	6 0.62 13.95 8.96	17 1.77 39.53 4.40	11 1.14 25.58 4.91	9 0.94 20.93 3.52	0 0.00 0.00 0.00		43 4.47
4	0 0.00 0.00 0.00	1 0.10 16.67 0.26	3 0.31 50.00 1.34	2 0.21 33.33 0.78	0 0.00 0.00 0.00		6 0.62
5	1 0.10 8.33 1.49	4 0.42 33.33 1.04	6 0.62 50.00 2.58	1 0.10 8.33 0.39	0 0.00 0.00 0.00		12 1.25
6	0 0.00 0.00 0.00	3 0.31 30.00 0.78	3 0.31 30.00 1.34	4 0.42 40.00 1.56	0 0.00 0.00 0.00		10 1.04
TOTAL	67 6.97	386 40.17	224 23.31	256 26.64	23 2.91		961 100.00

TABLE F-6

NAVY JROTC PROGRAM GRADUATES FOR FISCAL YEAR 1986,
BY SEX AND AFQT CATEGORY

SEX	AFQT	4	5	6	7	8	TOTAL
FREQUENCY PERCENT ROW PCT COL PCT							
1		66 6.87 7.53 98.51	354 36.36 40.69 91.71	196 20.40 22.53 57.50	228 23.73 26.21 89.06	26 2.71 2.99 92.86	870 90.53
2		1 0.10 1.10 1.49	32 3.33 35.16 8.29	28 2.91 30.77 12.50	28 2.91 30.77 10.94	2 0.21 2.20 7.14	91 9.47
TOTAL		67 6.97	386 40.17	224 23.31	256 26.64	28 2.91	961 100.00

TABLE F-7

NAVY JROTC PROGRAM GRADUATES FOR FISCAL YEAR 1986,
BY SEX AND RACE/ETHNIC GROUP

SEX	RACE/ETH	1	2	3	4	5	6	TOTAL
	FREQUENCY							
	PERCENT							
	ROW PCT							
	COL PCT							
1	1	502	302	40	5	12	9	870
		52.24	31.43	4.16	0.52	1.25	3.94	90.53
		57.70	34.71	4.60	0.57	1.38	1.03	
		91.61	88.30	93.02	83.33	100.00	93.00	
2	2	46	40	3	1	0	1	91
		4.79	4.16	0.31	0.10	0.00	3.10	9.47
		50.55	43.96	3.30	1.10	0.00	1.10	
		8.39	11.70	6.98	16.57	0.00	13.00	
TOTAL		548	342	43	6	12	10	961
		57.02	35.59	4.47	0.52	1.25	1.04	100.00

TABLE F-8

NAVY JROTC PROGRAM GRADUATES FOR FISCAL YEAR 1986,
BY HIGHEST YEAR OF EDUCATION COMPLETED AND
BRANCH OF SERVICE ENLISTED INTO

HYEC	SERVICE				TOTAL
FREQUENCY PERCENT ROW PCT COL PCT	ARMY	NAVY	USAF	USMC	
2	0.000 0.000 0.000	100.000 0.200 0.200	0.000 0.000 0.000	0.000 0.000 0.000	3.10
3	0.000 0.000 0.000	100.000 0.500 0.500	0.000 0.000 0.000	0.000 0.000 0.000	3.21
4	60.000 0.000 0.000	20.000 0.000 0.000	0.000 0.000 0.000	20.000 0.000 0.000	3.52
5	10.000 0.000 0.000	70.000 0.000 0.000	0.000 0.000 0.000	0.000 0.000 0.000	1.19
6	9.000 0.000 0.000	8.000 0.000 0.000	9.000 0.000 0.000	1.000 0.000 0.000	92.887
7	3.000 0.000 0.000	3.000 0.000 0.000	3.000 0.000 0.000	0.000 0.000 0.000	1.125
8	2.000 0.000 0.000	5.000 0.000 0.000	2.000 0.000 0.000	0.000 0.000 0.000	3.92
9	2.000 0.000 0.000	7.000 0.000 0.000	0.000 0.000 0.000	0.000 0.000 0.000	3.42
10	5.000 0.000 0.000	4.000 0.000 0.000	0.000 0.000 0.000	0.000 0.000 0.000	3.73
13	2.000 0.000 0.000	7.000 0.000 0.000	0.000 0.000 0.000	0.000 0.000 0.000	1.15
TOTAL	359 37.36	378 39.33	22 9.57	132 13.74	961 100.00

TABLE F-9

NAVY JROTC PROGRAM GRADUATES FOR FISCAL YEAR 1986,
BY HIGHEST YEAR OF EDUCATION COMPLETED AND
RACE/ETHNIC GROUP

HYEC	RACE/ETH						TOTAL
	1	2	3	4	5	6	
2	00:000 00:000 00:000	00:000 00:000 00:000	100:000 20:000 20:000	00:000 00:000 00:000	00:000 00:000 00:000	10:000 10:000 10:000	0.10
3	50:000 00:000 00:000	50:000 00:000 00:000	00:000 00:000 00:000	00:000 00:000 00:000	00:000 00:000 00:000	10:000 10:000 10:000	0.20
4	100:000 00:000 00:000	00:000 00:000 00:000	00:000 00:000 00:000	00:000 00:000 00:000	00:000 00:000 00:000	10:000 10:000 10:000	0.50
5	50:000 00:000 00:000	50:000 00:000 00:000	20:000 00:000 00:000	00:000 00:000 00:000	00:000 00:000 00:000	10:000 10:000 10:000	1.00
6	50:000 00:000 00:000	50:000 00:000 00:000	20:000 00:000 00:000	00:000 00:000 00:000	00:000 00:000 00:000	10:000 10:000 10:000	92.50
7	50:000 00:000 00:000	50:000 00:000 00:000	00:000 00:000 00:000	00:000 00:000 00:000	00:000 00:000 00:000	10:000 10:000 10:000	1.20
8	70:000 00:000 00:000	00:000 00:000 00:000	20:000 00:000 00:000	00:000 00:000 00:000	00:000 00:000 00:000	10:000 10:000 10:000	0.90
9	100:000 00:000 00:000	00:000 00:000 00:000	00:000 00:000 00:000	00:000 00:000 00:000	00:000 00:000 00:000	10:000 10:000 10:000	0.40
10	80:000 00:000 00:000	10:000 00:000 00:000	00:000 00:000 00:000	00:000 00:000 00:000	00:000 00:000 00:000	10:000 10:000 10:000	0.70
13	10:000 00:000 00:000	10:000 00:000 00:000	00:000 00:000 00:000	00:000 00:000 00:000	00:000 00:000 00:000	10:000 10:000 10:000	1.10
TOTAL	37.02	35.50	4.40	0.50	1.20	1.00	100.00

TABLE F-10

NAVY JROTC PROGRAM GRADUATES FOR FISCAL YEAR 1986,
BY HIGHEST YEAR OF EDUCATION COMPLETED AND SEX

HYEC	SEX		TOTAL
FREQUENCY PERCENT ROW PCT COL PCT	1	2	
2	1	0	1
100.000	0.10	0.000	0.10
0.11	0.000	0.000	
3	2	0	2
100.000	0.21	0.000	0.21
0.23	0.000	0.000	
4	5	0	5
100.000	0.52	0.000	0.52
0.54	0.000	0.000	
5	19	0	19
100.000	1.98	0.000	1.98
2.19	0.000	0.000	
6	802	33	835
83.802	92.30	3.93	96.23
90.443	93.61	3.93	
92.13			
7	9	3	12
70.94	1.25	20.33	1.25
73.00	3.30	3.30	
1.03			
8	9	0	9
100.000	0.94	0.000	0.94
1.03	0.000	0.000	
9	4	0	4
100.000	0.42	0.000	0.42
0.46	0.000	0.000	
10	5	2	7
70.52	0.73	20.21	0.73
71.43	2.27	2.27	
0.57	2.20	0.00	
13	14	1	15
1.46	0.10	0.00	1.56
93.53	6.57		
1.51	1.10		
TOTAL	870	91	961
90.53	9.17	100.00	

TABLE F-11

NAVY JROTC PROGRAM GRADUATES FOR FISCAL YEAR 1986,
BY AGE AT ENTRY INTO THE MILITARY AND
BRANCH OF SERVICE ENLISTED INTO

AGE	AGENT	SERVICE				TOTAL
		ARMY	NAVY	USAF	USMC	
FREQUENCY	PERCENT					
COL	PCT					
17		39	37	6	16	98
		36.00	37.85	0.52	1.69	13.20
		39.80	37.79	6.52	12.33	
		10.80	9.79	6.52	12.12	
16		166	130	45	71	462
		17.27	13.73	4.78	7.39	43.07
		35.93	38.96	9.74	15.37	
		46.24	47.62	43.91	53.79	
19		66	70	14	23	175
		6.88	7.29	1.46	2.60	13.21
		37.71	40.30	13.20	14.29	
		18.58	18.52	13.22	18.94	
20		38	40	10	13	100
		3.93	4.16	1.04	1.23	13.41
		33.00	40.20	10.20	12.00	
		10.98	10.56	10.37	6.09	
21		12	14	3	7	45
		1.25	1.40	0.32	0.73	4.68
		62.33	31.11	11.11	13.56	
		5.28	3.70	3.43	3.30	
22		31	37	12	1	81
		3.13	3.85	1.28	0.10	5.43
		8.27	9.95	1.31	0.23	
		8.64	9.79	13.34	0.76	
TOTAL		359	373	72	132	961
		37.36	39.33	9.57	13.74	100.00

TABLE F-12

NAVY JROTC PROGRAM GRADUATES FOR FISCAL YEAR 1986,
BY AGE AT ENTRY INTO THE MILITARY AND
RACE/ETHNIC GROUP

AGEENT	RACEETH	1	2	3	4	5	6	TOTAL
FREQUENCY PERCENT ROW PCT COL PCT								
17		52	29	4	0	1	2	98
	6-45	3-02	0-42	0-00	0-10	0-21	3-21	10-20
	63-27	29-59	4-08	0-00	1-02	3-04	3-04	
	11-31	8-48	9-30	0-00	5-33	23-00	23-00	
18		266	162	20	5	7	2	462
	27-68	16-86	2-08	0-32	0-73	3-21	3-43	48-07
	57-58	35-06	4-33	1-38	1-52	3-43	3-43	
	48-54	47-37	46-51	23-33	56-33	23-00	23-00	
19		95	67	8	1	1	3	175
	9-39	6-97	0-93	0-10	0-10	3-31	3-31	18-21
	54-29	38-29	4-57	0-57	0-57	1-71	1-71	
	17-34	19-59	18-60	16-57	9-33	33-00	33-00	
20		45	49	4	0	2	0	100
	4-68	5-10	0-42	0-00	0-21	3-00	3-00	10-41
	45-00	49-00	4-00	0-00	2-00	3-00	3-00	
	8-21	14-33	9-30	0-00	16-67	3-00	3-00	
21		19	23	2	0	0	1	45
	1-98	2-39	0-21	0-00	0-00	3-10	3-10	4-68
	42-22	51-11	4-44	0-00	0-00	2-22	2-22	
	3-47	6-73	4-65	0-00	0-00	13-00	13-00	
22		61	12	5	0	1	2	81
	6-35	1-25	0-52	0-00	0-10	3-21	3-21	8-43
	75-31	14-81	6-17	0-00	1-23	3-47	3-47	
	11-13	3-51	11-63	0-00	5-33	23-00	23-00	
TOTAL		548	342	43	6	12	10	961
	57-02	35-59	4-47	0-52	1-25	1-04	1-04	100-00

TABLE F-13

NAVY JROTC PROGRAM GRADUATES FOR FISCAL YEAR 1986,
BY AGE AT ENTRY INTO THE MILITARY AND SEX

AGE	ENT	SEX			TOTAL
FREQUENCY	PERCENT		1	2	
ROW	PCT				
COL	PCT				
17	94				
	95.73			0.42	98
	95.93			4.08	10.20
	10.80			4.40	
18	419				
	43.60			4.47	462
	90.69			9.31	48.07
	48.16			47.25	
19	137				
	16.34			1.13	175
	89.71			10.37	13.21
	18.05			19.78	
20	91				
	9.47			0.34	100
	91.00			9.00	10.41
	10.46			9.89	
21	37				
	3.95			0.33	45
	82.22			17.73	4.68
	4.25			8.79	
22	72				
	7.49			0.34	81
	83.89			11.11	8.43
	8.28			9.39	
TOTAL	870			31	961
	90.53			9.47	100.00

TABLE F-14

NAVY JROTC PROGRAM GRADUATES FOR FISCAL YEAR 1986,
BY HOME OF RECORD AND JROTC PROGRAM GRADUATED FROM

HQR	JROTC		TOTAL
	FREQUENCY PERCENT HQR PCT COL PCT		
1	17 80.0 2.70	2 10.0 0.10	1.18
2	10 50.0 0.10	1 50.0 0.10	0.21
4	7 50.0 1.10	3 40.0 1.10	1.13
5	9 70.0 1.10	3 20.0 0.10	1.13
6	24 80.0 3.00	2 20.0 0.10	4.10
10	10 100.0 0.10	0 0.0 0.00	0.10
11	10 100.0 0.10	0 0.0 0.00	0.10
12	10 100.0 1.10	3 30.0 1.10	1.13
13	7 70.0 1.10	2 20.0 0.10	1.13
14	30 50.0 0.10	3 50.0 0.10	1.10
15	10 80.0 0.10	2 10.0 0.10	0.62
16	7 70.0 0.10	3 20.0 0.10	0.42
TOTAL	65.65	34.35	100.00

(CONTINUED)

TABLE F-14 (CONTINUED)

NAVY JROTC PROGRAM GRADUATES FOR FISCAL YEAR 1986,
BY HOME OF RECORD AND JROTC PROGRAM GRADUATED FROM

HQR	JROTC		TOTAL
	FREQUENCY ROW COL	PERCENT PCT PCT	
17	0-4 0-0 0-0	3-1 0-0 0-0	0.62
18	7-0 7-0 7-0	2-0 0-0 0-0	1.23
20	4-0 0-0 0-0	3-0 0-0 0-0	0.34
21	6-1 2-0 2-0	4-0 3-0 3-0	3.12
22	8-1 3-0 3-0	1-0 1-0 1-0	2.39
24	8-2 5-0 3-0	1-0 1-0 1-0	3.02
25	8-0 1-0 1-0	1-0 0-0 0-0	0.83
26	7-0 7-0 7-0	2-0 0-0 0-0	1.23
27	4-0 0-0 0-0	3-0 0-0 0-0	0.34
28	7-1 2-0 2-0	2-0 2-0 2-0	2.60
29	3-0 0-0 0-0	7-0 2-0 2-0	1.04
30	8-0 0-0 0-0	0-0 1-0 0-0	0.73
TOTAL	45.629	34.33	100.00

(CONTINUED)

TABLE F-14 (CONTINUED)

NAVY JROTC PROGRAM GRADUATES FOR FISCAL YEAR 1986,
BY HOME OF RECORD AND JROTC PROGRAM GRADUATED FROM

HQR	JROTC		TOTAL
	FREQUENCY PERCENT ROW PCT COL PCT		
32	50.000 0.000 0.000	40.000 1.200 0.000	0.94
33	20.000 0.000 0.000	80.000 1.200 0.000	0.52
34	80.000 1.200 0.000	20.000 0.000 0.000	1.04
35	82.000 3.200 0.000	10.000 1.200 0.000	3.02
36	100.000 0.000 0.000	0.000 0.000 0.000	0.62
37	60.000 9.600 0.000	30.000 3.600 0.000	8.32
38	0.000 0.000 0.000	100.000 0.000 0.000	3.10
39	70.000 3.600 0.000	20.000 1.200 0.000	2.71
40	30.000 0.000 0.000	60.000 0.000 0.000	0.31
41	0.000 0.000 0.000	100.000 0.000 0.000	0.10
42	61.000 1.200 0.000	30.000 2.400 0.000	1.98
44	80.000 3.200 0.000	10.000 0.000 0.000	0.62
TOTAL	629 65.45	332 34.55	961 100.00

(CONTINUED)

TABLE F-14 (CONTINUED)

NAVY JROTC PROGRAM GRADUATES FOR FISCAL YEAR 1986,
BY HOME OF RECORD AND JROTC PROGRAM GRADUATED FROM

HOR	JROTC		TOTAL
FREQUENCY	12	22	
PERCENT			
ROW PCT			
COL PCT			
45	46	22	68
	4.79	2.39	7.08
	67.55	32.55	
	7.31	6.53	
47	13	3	23
	1.56	0.33	2.39
	63.23	34.78	
	2.38	2.44	
48	42	61	83
	4.37	4.27	8.64
	50.60	49.60	
	6.68	12.35	
49	1	0	1
	0.10	0.00	0.10
	100.00	0.00	
	0.16	0.00	
51	29	49	78
	3.02	5.10	8.12
	37.16	62.32	
	4.61	14.76	
52	0	1	1
	0.00	0.10	0.10
	0.00	100.00	
	0.00	0.30	
53	13	3	16
	1.33	0.33	1.66
	81.25	13.75	
	2.07	0.90	
55	3	5	8
	0.33	0.53	0.83
	37.50	62.50	
	0.48	1.34	
56	1	2	3
	0.10	0.21	0.31
	33.33	66.67	
	0.15	0.30	
TOTAL	629	332	961
	65.45	34.55	100.00

TABLE F-15

NAVY JROTC PROGRAM GRADUATES FOR FISCAL YEAR 1986,
BY AFQT CATEGORY AND BRANCH OF SERVICE ENLISTED INTO

AFQT	SERVICE				TOTAL
FREQUENCY PERCENT ROW PCT COL PCT	ARMY	NAVY	USAF	USMC	
4	1.19 23.36 5.29	4.46 68.56 12.17	0.21 2.39 2.17	0.00 0.00 0.00	5.67 5.97
5	1.15 15.92 39.64 42.62	1.13 14.46 36.01 36.77	3.32 8.33 38.39 34.73	1.62 6.45 16.06 46.97	43.86 43.17
6	8.82 38.57 39.61 22.04	8.85 38.44 37.05 22.49	2.21 9.10 29.38 22.33	1.36 3.75 15.07 27.27	23.24 23.31
7	1.97 10.09 37.89 27.02	1.91 9.47 35.85 24.07	1.35 3.36 13.57 38.34	1.33 3.43 12.89 29.00	25.26 25.64
8	0.83 28.37 2.23	1.17 1.77 60.71 4.50	0.21 2.14 7.17	0.11 0.10 2.57 0.76	2.28 2.91
TOTAL	35.9 37.36	37.3 39.33	9.72 9.57	13.2 13.74	96.1 103.00

TABLE F-16

NAVY JROTC MALE PROGRAM GRADUATES FOR FISCAL YEAR 1986,
BY JROTC PROGRAM GRADUATED FROM AND
RACE/ETHNIC GROUP

JROTC	RACE/ETH	1	2	3	4	5	6	TOTAL
FREQUENCY PERCENT ROW PCT COL PCT								
12		324 37.24 56.84 64.54	207 23.79 36.32 68.54	24 2.76 4.21 60.00	3 0.34 0.53 60.00	7 7.80 1.23 58.33	5 5.57 3.88 55.56	570 65.52
22		178 20.46 58.33 35.46	95 10.92 31.67 31.45	16 1.84 5.33 40.00	2 0.23 0.57 40.00	5 5.57 1.67 41.67	4 4.46 1.33 44.44	300 34.48
TOTAL		502 57.70	302 34.71	40 4.60	5 0.57	12 1.38	9 10.03	870 100.00

TABLE F-17

NAVY JROTC FEMALE PROGRAM GRADUATES FOR FISCAL YEAR 1986,
BY JROTC PROGRAM GRADUATED FROM AND RACE/ETHNIC GROUP

JROTC	RACE/ETH	1	2	3	4	5	6	TOTAL
FREQUENCY								
PERCENT								
ROW PCT								
COL PCT								
12	25	30	3	1	0	0	6	59
	27-47	32-97	3-30	1-10	0-00	2-00	0	64.84
	42-37	50-85	5-08	1-39	0-00	3-00	0	
	54-35	75-00	100-00	100-00	0	0	0	
22	21	10	0	0	0	1	32	
	23-08	10-99	0-00	0-00	0-00	14-19	1	35.16
	65-63	31-25	0-00	0-00	0-00	3-13	0	
	45-65	25-00	0-00	0-00	0	100-00	0	
TOTAL	46	40	3	1	0	1	91	
	50.55	43.96	3.30	1.10	0.00	1.10	100.00	

END NOTES

1. Chief of Staff of the Army Headquarters, Department of the Army, ROTC Study Group Report Vol. II - JROTC (1916-1985), Government Printing Office, Washington, D.C., 1986.
2. Chief of Naval Education and Training, Department of the Navy, NJROTC Fact Sheet, Government Printing Office, Washington, D.C., 1986, p. 1.
3. Ibid., p. 1.
4. Ibid., p. 1.
5. Chief of Naval Education and Training, Department of the Navy, NJROTC Information Booklet, Government Printing Office, Washington, D.C., 1986, p.1.
6. Certain variables (e.g., sex) had a category for members who did not fall under the proper classification (e.g., male or female). This undefined category is due to having a blank on this portion of the file format sheet. The amount of these errors for all variables was under one percent of the total population size observed.
7. Due to the errors mentioned above in end note six, the cross-tabulation tables reflected a difference in totals between certain variables measured. Again, this difference in totals was never greater than one percent of the total population size observed.
8. Data from fiscal years 1977-1986 were used because the files prior to fiscal year 1977 were incomplete and the files for fiscal year 1987 were not fully updated when this research began.
9. Berenson, M.L. and Levine, D.M., Basic Business Statistics Concepts and Applications, third edition, p. 111, Prentice-Hall, 1986.
10. Ibid., p. 113.
11. Bowman, W., Little, R., and Sillicia, G.T., The All-Volunteer Force After a Decade, p. 33, Pergamon-Brassey's, 1986.

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