

AD-A119 629 MILITARY ACADEMY WEST POINT NY OFFICE OF THE DIRECTO--ETC F/G 5/9
CHARACTERISTICS OF THE CLASS OF 1986, (U)
UNCLASSIFIED AUG 82 J W HOUSTON NL
USMA-OIR-82-012

| OF |
ADA
119 629



END
DATE
FILMED
17-82
DTIC

12

82-012

AD A119629



UNITED STATES MILITARY ACADEMY

WEST POINT, NEW YORK

CHARACTERISTICS OF THE CLASS OF 1986

DTIC SELECTED SEP 27 1982 H

DISTRIBUTION STATEMENT A
Approved for public release:
Distribution Unlimited

OFFICE OF INSTITUTIONAL RESEARCH
AUGUST 1982

DUTY-HONOR-COUNTRY

Characteristics of the Class of 1986

Report No. : USMA-OIR-82-012
Project No.: 441
Prepared by: Mr. John W. Houston
Programmers: Mrs. Felicia Pittard and Mr. Keith Laube
Typist: Mrs. Carol A. Durham
August 1982

Abstract

This report presents the biographical characteristics and achievements of the 1,420 new cadets who entered the United States Military Academy in the Class of 1986.

NOTE: Any conclusions in this report are not to be construed as official U.S. Military Academy or Department of the Army positions unless so designated by other authorized documents.

DTIC
COPY
INSPECTED
2

Accession For		<input checked="" type="checkbox"/>
NTIS GRA&I		<input type="checkbox"/>
DTIC TAB		<input type="checkbox"/>
Unannounced		
Justification		
By		
Distribution/		
Availability Codes		
Dist	Avail and/or	Special
A		

Table of Contents

		Page
	Preface	1
Table		
1	Distribution of Scores on Academic Qualification Measures (Admitted by CEER)	2
2	Distribution of Scores on Academic Qualifications Measures (Admitted by ACEER).	3
3	Distribution of ACEER Scores (Admitted by ACT Scores).	3
4	Distribution of Scores on PAE, LPS and HSR (All Admitted Cadets) .	4
5	Distribution of Whole Candidate Scores (All Admitted Cadets) . . .	5
6	Means and Standard Deviations of Scores of Male and Female Cadets	6
7	Distribution of Height and Weight	7
8	High School Characteristics.	8
9	Awards and Scholarships	8
10	Scholarships	9
11	Clubs and Positions Held or Awards Obtained	10
12	Nominations and Appointments	11
13	Father's Military Status and Rank	12
14	Class Year of Fathers Who are USMA Graduates	13
15	Sport Participation.	13
16	Miscellaneous	14
	Report Documentation Page (DD Form 1473)	15

Preface

This report presents the biographical characteristics and achievements of the 1,420 new cadets who entered the Class of 1986. The admission scores listed in Table 1 are for the 980 cadets whose admission was based on the CEER, while Tables 2 and 3 are for the 440 cadets whose admission was based on American College Test scores. The following abbreviations, explanations and definitions of terms apply in this report.

CEER	A statistically derived weighted composite score of two College Entrance Examination Board Tests (Scholastic Aptitude Test-Verbal, Scholastic Aptitude Test-Mathematics, and a standardized high school rank score.
High School Rank	This is a score derived by converting the actual high school rank to a standard score, using a formula developed by the Educational Testing Service.
Whole Candidate Score	This is a weighted composite score of the CEER or ACEER, the Physical Aptitude Examination score and the Leadership Potential Score.
Physical Aptitude Examination Score	This is a standardized score developed to measure physical capabilities.
Leadership Potential Score	This is a score derived from the ratings of the candidate by his/her secondary school teachers and evaluations by admissions officials of his/her type of participation in athletic and other school and community activities.
ACT	American College Testing Program.
ACEER	A statistically derived weighted composite score of ACT tests and high school rank converted to the 200-800 range of the CEER.

Table 1
 Distribution of Scores on Academic Qualification Measures
 (For those admitted by use of CEER)

Score Ranges	Scholastic Aptitude Verbal		Scholastic Aptitude Mathematics		CEER	
	N	Cum %	N	Cum %	N	Cum %
750-800	5	100%	38	100%	5	100%
700-749	25	99	112	96	43	99
650-699	91	97	226	85	145	95
600-649	184	88	293	62	265	80
550-599	209	69	210	32	299	53
500-549	258	48	80	10	177	23
450-499	152	21	20	2	42	5
400-449	48	6	1	0	3	0
350-399	8	1	0	0	1	0
Total	980		980		980	
Mean	560		631		597	
S.D.	75		66		62	

Table 2
 Distribution of Scores on Academic Qualification Measures
 (For those admitted by use of ACEER)

Score Ranges	ACT-ENG		ACT-MATH		ACT-N.S.		ACT-S.S.	
	N	Cum %	N	Cum %	N	Cum %	N	Cum %
34-36	0	100%	43	100%	14	100%	1	100%
31-33	11	100	100	90	149	97	55	100
28-30	47	98	135	68	139	63	125	87
25-27	81	87	124	37	91	31	95	58
22-24	186	68	33	9	27	11	76	30
19-21	91	26	5	1	16	5	33	18
16-18	20	5	0	0	4	1	25	9
13-15	4	1	0	0	0	0	6	5
10-12	0	0	0	0	0	0	10	3
Total	440		440		440		426	
Mean	23.4		28.9		28.7		25.7	
S.D.	3.3		3.3		3.4		5.0	

Table 3
 Distribution of ACEER Scores
 (For those admitted by use of ACT scores)

Score Ranges	ACEER	
	N	Cum %
750-800	0	100%
700-749	14	100
650-699	59	97
600-649	126	84
550-599	131	55
500-549	85	25
450-499	24	6
400-449	1	0
Total	440	
Mean	591	
S.D.	60	

Table 4
 Distribution of Scores on PAE, LPS and HSR
 (For all admitted cadets)

Score Ranges	Physical Aptitude* (PAE)				Leadership Potential (LPS)		High School Rank (HSR)	
	Male		Female		N	Cum %	N	Cum %
	N	%	N	%				
750-800	26	100%	1	100%	1	100%	84	100%
700-749	44	98	3	99	53	100	68	94
650-699	129	95	7	97	250	96	222	89
600-649	216	84	17	93	422	79	218	74
550-599	284	67	27	81	364	49	285	58
500-549	281	45	31	63	215	23	268	38
450-499	212	23	27	42	78	8	148	19
400-449	70	6	30	24	33	3	66	9
350-399	6	1	9	3	4	0	42	4
300-349	3	0	0	0	0	0	13	1
250-299	0	0	0	0	0	0	4	0
200-249	1	0	0	0	0	0	2	0
Total	1272		148		1420		1420	
Mean	565		523		595		580	
S.D.	83		85		67		100	

*Distribution of PAE scores are shown separately for male and female cadets as they are scored on different events.

Table 5
 Distribution of Whole Candidate Scores
 (For all admitted cadets)

<u>Score Ranges</u>	<u>N</u>	<u>Cum %</u>
7250-7499	1	100%
7000-7249	2	100%
6750-6999	15	100
6500-6749	73	99
6250-6499	158	94
6000-6249	362	82
5750-5999	393	57
5500-5749	238	29
5250-5499	117	13
5000-5249	50	4
4750-4999	11	1
Total	1420	
Mean	5929	
S.D.	375	

Table 6
Means and Standard Deviations of Scores
of Male and Female Cadets

	WCS		HSR		LPS		PAE*	
	<u>Male</u>	<u>Female</u>	<u>Male</u>	<u>Female</u>	<u>Male</u>	<u>Female</u>	<u>Male</u>	<u>Female</u>
N	1272	148	1272	148	1272	148	1272	148
Mean	5925	5963	576	613	595	599	565	523
S.D.	377	386	100	98	67	68	83	85

	ACEER		CEER		SAT-V		SAT-M	
	<u>Male</u>	<u>Female</u>	<u>Male</u>	<u>Female</u>	<u>Male</u>	<u>Female</u>	<u>Male</u>	<u>Female</u>
N	390	50	882	98	882	98	882	98
Mean	590	597	595	605	558	579	632	622
S.D.	58	72	62	60	75	69	67	63

	ACT-EN		ACT-MA		ACT-NS		ACT-SS	
	<u>Male</u>	<u>Female</u>	<u>Male</u>	<u>Female</u>	<u>Male</u>	<u>Female</u>	<u>Male</u>	<u>Female</u>
N	390	50	390	50	390	50	376	50
Mean	23.3	24.7	29.0	28.0	28.8	28.1	25.7	26.0
S.D.	3.3	3.3	3.3	3.5	3.3	3.9	5.0	5.0

*PAE scale for females is not the same as the scale for males.

Table 7-1
Distribution of Height and Weight
(Female Cadets)

Height			Weight		
Inches	No.	%	Pounds	No.	%
72-73	3	2.0%	191-200	1	0.7%
70-71	11	7.4	171-180	1	0.7
68-69	24	16.1	161-170	4	2.7
66-67	33	22.1	151-160	8	5.4
64-65	48	32.2	141-150	17	11.4
62-63	23	15.4	131-140	39	26.2
60-61	5	3.4	121-130	37	24.8
58-59	0	.0	111-120	25	16.8
56-57	1	0.7	101-110	16	10.7
54-55	1	0.7	90-100	1	0.7
Total	149	100	Total	149	100
Mean	65.6		Mean	129.4	
S.D.	2.9		S.D.	16.2	

Table 7-2
Distribution of Height and Weight
(Male Cadets)

Height			Weight		
Inches	No.	%	Pounds	No.	%
82-83	1	0.1%			
80-81	1	0.1			
78-79	5	0.3	251-260	1	0.1%
76-77	26	2.0	241-250	3	0.2
74-75	140	10.9	231-240	3	0.2
72-73	294	23.0	221-230	12	0.9
70-71	351	27.5	211-220	23	1.8
68-69	286	22.4	201-210	34	2.6
66-67	110	8.6	191-200	56	4.3
64-65	47	3.6	181-190	99	7.7
62-63	5	0.3	171-180	153	12.0
60-61	5	0.3	161-170	209	16.3
58-59	3	0.2	151-160	236	18.5
56-57	1	0.1	141-150	209	16.3
			131-140	137	10.7
			121-130	77	6.0
			111-120	21	1.6
			101-110	2	0.1
Total	1275	100	Total	1275	100
Mean	70.4		Mean	161.3	
S.D.	2.9		S.D.	23.2	

Table 8
High School Characteristics

	Number	Percent
Type of High School attended in Senior Year		
Public (Include HS in Foreign Country).....	1209	85%
Private (Non-Military).....	181	13
Private (Military).....	28	2
Rank in Graduating Class		
Top Fifth.....	1031	73%
Second Fifth.....	283	20
Third Fifth.....	88	6
Fourth Fifth.....	13	1
Bottom Fifth.....	3	0
Selected as Valedictorian (First in the Class).....	89	6
Selected as Salutatorian (Second in the Class).....	89	6
Number of High Schools Attended		
One.....	1145	81%
Two.....	213	15
Three.....	44	3
Four or more.....	16	1

Table 9
Awards and Scholarships

	Number	Percent
Received Following Awards		
National Honor Society.....	874	62%
Bausch and Lomb Science Award.....	39	3
American Legion Award.....	138	10
Boy's State or Girl's State Delegate.....	312	22
Took the National Merit/Achievement Scholarship Examination		
Yes, and Received Commendation.....	238	17%
Yes, was Semi-Finalist.....	26	2
Yes, was Finalist.....	57	4
Yes, was Merit Scholar.....	33	2

Table 10
Scholarships

	Number	Percent
Number of Academic Scholarships		
None.....	837	59%
One.....	292	21
Two or Three.....	226	16
Four or Five.....	44	3
Six or More.....	19	1
Number of Athletic Scholarships		
None.....	1248	88%
One.....	99	7
Two or Three.....	52	4
Four or Five.....	8	1
Six or More.....	10	1
Received the Following Military Scholarships*		
Army ROTC Scholarship.....	251	18%
Navy ROTC Scholarship.....	162	11
Air Force ROTC Scholarship.....	130	9
Other ROTC Scholarship.....	35	2

*May be more than one.

Table 11
Clubs and Positions Held or Awards Obtained

	Number	Percent
Elected or Appointed to Following High School Positions*		
President of High School Senior Class.....	67	5%
Senior Class Officer (Other Than President).....	214	15
President, Student Body.....	85	6
President, High School Class (Other than Senior Class)....	149	11
President, Student Council.....	102	7
Participated in or Held Following High School Positions*		
Debating or Forensic Society.....	170	12%
Thespian or Dramatic Club.....	219	15
Glee Club.....	119	8
High School Band.....	285	20
Staff, School Paper.....	261	18
Editor or Co-Editor, School Paper.....	105	7
Staff, Yearbook or Annual.....	240	17
Editor or Co-Editor, Yearbook or Annual.....	96	7
Presently is or has Been One of the Following*		
Boy Scout/Girl Scout.....	639	45%
Explorer Scout.....	135	10
Sea Scout.....	7	1
Air Scout.....	10	1
Campfire Girl.....	19	1
Camp Counselor.....	173	12
Order of the Arrow.....	152	11
Eagle Scout (Boys).....	122	10
First Class Scout (Girls).....	12	8

*May be more than one.

Table 12

Nominations and Appointments

	Number	Percent
Federal Academies Where Nomination was Attempted*		
Naval Academy.....	435	31%
Air Force Academy.....	455	32
Coast Guard Academy.....	165	12
Merchant Marine Academy.....	76	5
Federal Academies Where Appointment was Received*		
Naval Academy.....	87	6
Air Force Academy.....	80	6
Coast Guard Academy.....	40	3
Merchant Marine Academy.....	26	2
First Choice of Schools was		
US Military Academy.....	1174	83
US Air Force Academy.....	129	9
US Naval Academy.....	22	2
US Coast Guard Academy.....	4	0
US Merchant Marine Academy.....	1	0
A Civilian Liberal Arts College.....	26	2
A Civilian Engineering Technical College.....	32	2
Another Type of College.....	22	2

*May be more than one.

Table 13

Father's Military Status and Rank

	Number	Percent
Father's Past Military Service and Current Status		
No Military Service or Don't Know.....	453	32%
Career in Military Service Terminated for Physical Disability.....	26	2
Served 20 Years or More and Retired.....	137	10
Now on Full Time Active Duty.....	115	8
Served at One Time but No Longer In Service.....	640	45
Now in Reserves or National Guard.....	32	2
Died While on Active Duty.....	5	0
Father's Highest Grade**		
E1 - E3 (Private or PFC).....	136	10
E4 - E6 (Corporal Through Staff Sergeant).....	235	17
E7 - E9 (Platoon Sergeant Through Sergeant Major).....	98	7
Warrant Officer.....	14	1
Lieutenant or Captain.....	70	5
Major.....	44	3
Lieutenant Colonel.....	72	5
Colonel.....	52	4
General Officer.....	9	1

**Army grade or AF, Navy and Marine Corps equivalent.

Table 14

Class Year of Fathers Who Are USMA Graduates

<u>Year</u>	<u>No.</u>	
1963	3	
1962	5	
1961	8	
1960	6	
1959	5	
1958	3	
1957	5	
1956	3	
1955	5	
1954	0	
1953	1	
1952	1	
1951	1	
1950	2	
1949	1	
1946	1	Total 50

Table 15

Sport Participation

	<u>Number</u>	<u>Percent</u>
Participated in Varsity Athletics.....	1288	91%
Earned Varsity Letter.....	1210	85
Varsity Team Captain.....	690	49

Table 16
Miscellaneous

	<u>Number</u>	<u>Percent</u>
Taken College Level Courses After High School in One of the Following		
A Junior, Community, Extension or Branch College With a One or Two-Year Program Only.....	77	5%
Other Institution With Less Than a Four-Year Program.....	8	1
A Four-Year College, Not Part of a University.....	29	2
A University, Including its Separate Colleges.....	72	5
Not Applicable.....	1216	86
Attended U.S. Military Academy Preparatory School.....	186	13

SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

REPORT DOCUMENTATION PAGE		READ INSTRUCTIONS BEFORE COMPLETING FORM
1. REPORT NUMBER 82-012	2. GOVT ACCESSION NO. AD A119621	3. RECIPIENT'S CATALOG NUMBER
4. TITLE (and Subtitle) Characteristics of the Class of 1986		5. TYPE OF REPORT & PERIOD COVERED
		6. PERFORMING ORG. REPORT NUMBER
7. AUTHOR(s) Mr. John Houston		8. CONTRACT OR GRANT NUMBER(s)
9. PERFORMING ORGANIZATION NAME AND ADDRESS Office of Institutional Research United States Military Academy West Point, New York 10996		10. PROGRAM ELEMENT, PROJECT, TASK AREA & WORK UNIT NUMBERS Project No. 441
11. CONTROLLING OFFICE NAME AND ADDRESS Same as #9 above.		12. REPORT DATE August 1982
		13. NUMBER OF PAGES
14. MONITORING AGENCY NAME & ADDRESS (if different from Controlling Office) United States Military Academy West Point, New York, 10996		15. SECURITY CLASS. (of this report) Unclassified
		15a. DECLASSIFICATION/DOWNGRADING SCHEDULE
16. DISTRIBUTION STATEMENT (of this Report) Approved for public release; distribution unlimited.		
17. DISTRIBUTION STATEMENT (of the abstract entered in Block 20, if different from Report)		
18. SUPPLEMENTARY NOTES		
19. KEY WORDS (Continue on reverse side if necessary and identify by block number) Achievements Freshmen Admission Scores Class of 1986 Analysis Characteristics		
20. ABSTRACT (Continue on reverse side if necessary and identify by block number) This report presents the biographical characteristics and achievements of the 1,420 new cadets who entered the United States Military Academy in the Class of 1986.		

**LATE
LME**