

AD A135 523

TRENDS IN ADMISSION VARIABLES THROUGH THE CLASS OF 1987
(U) MILITARY ACADEMY WEST POINT NY OFFICE OF THE
DIRECTOR OF INSTITUTIONAL RESEARCH M H SAUNDERS NOV 83

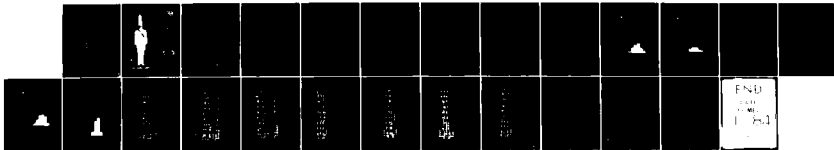
1/1

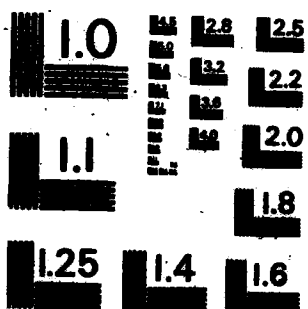
UNCLASSIFIED

USMA-OIR R4-002

F/G 5/9

NH





MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

84-002



UNITED STATES MILITARY ACADEMY

WEST POINT, NEW YORK

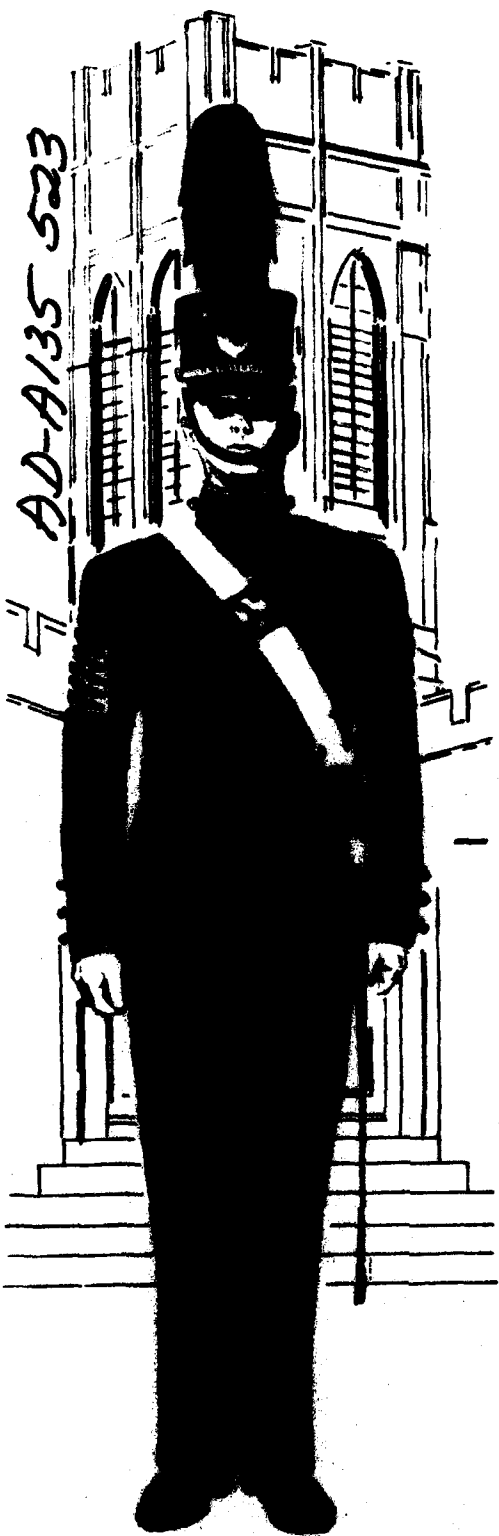
TRENDS IN
ADMISSION VARIABLES
THROUGH THE
CLASS OF 1987

DTIC
ELECTE
DEC 8 1983
S D

DISTRIBUTION STATEMENT A
Approved for public release
Distribution Unlimited

83 12 07 085

OFFICE OF INSTITUTIONAL RESEARCH
NOVEMBER 1983



AD-A135 523

DTIC FILE COPY

DUTY-HONOR-COUNTRY

TRENDS IN ADMISSION VARIABLES THROUGH THE CLASS OF 1987

Report No. : USMA-OIR-84-002
Project No. : 490
Prepared by : Ms. Mary H. Saunders
Programmer : Ms. Jackie Pittard
Typist : Mrs. Carol A. Durham
November 1983

ABSTRACT

The United States Military Academy uses the Whole Candidate concept in the selection of candidates for admission. This concept encompasses three broad areas: academics, leadership potential, and physical condition and aptitude. This report compares the pre-college performance of members of the Class of 1987 with previous classes in these three areas.

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.

Accession For	
NTIS GRA&I	<input checked="" type="checkbox"/>
DTIC TAB	<input type="checkbox"/>
Unannounced	<input type="checkbox"/>
Justification	
By	
Distribution/	
Availability Codes	
Dist	Avail and/or Special
A/1	

OFFICE OF INSTITUTIONAL RESEARCH
UNITED STATES MILITARY ACADEMY
WEST POINT, NEW YORK 10996



UNCLASSIFIED
Approved for public release
Distribution Unlimited

Index to Tables and Figures

	<u>Page Number</u>	<u>Title</u>
Figure 1	5	Comparison of number of Cadets and Candidates at each CEER score level--Class of 1987.
Figure 2	6	Comparison of number of Cadets and Candidates at each ACEER score level--Class of 1987.
Table 1	7	Distribution of scores on Whole Candidate Score components--Class of 1987.
Table 2	8	Mean and standard deviations for all admission variables for Candidates and Cadets--Class of 1987.
Figure 3	9	Comparison of number of Cadets and Candidates at each LPS level--Class of 1987.
Figure 4	10	Comparison of number of Cadets and Candidates at each Whole Candidate Score level--Class of 1987.
Figure 5	11	Trends of CEER Scores for Candidates and Cadets--Classes of 1978-1987.
Figure 6	12	Trends of SAT-Verbal Scores for Candidates and Cadets--Classes of 1978-1987.
Figure 7	13	Trends of SAT-Math Scores for Candidates and Cadets--Classes of 1978-1987.
Figure 8	14	Trends of Leadership Potential Scores for Candidates and Cadets--Classes of 1978-1987.
Figure 9	15	Trends of Physical Aptitude Exam Scores for Candidates and Cadets--Classes of 1978-1987.
Figure 10	16	Trends of High School Rank Scores of Candidates and Cadets--Classes of 1978-1987.
Figure 11	17	Trends of Whole Candidate Scores for Candidates and Cadets--Classes of 1978-1987.
Table 3	18	Selected High School Activities and Awards of Cadets--Classes of 1979-1987.
Table 3a	19	Selected Characteristics of Cadets--Classes of 1979-1987.

Approved for Release by NSA on 05-08-2014 pursuant to E.O. 13526
 CONFIDENTIAL

EXECUTIVE SUMMARY

I. PURPOSE. This report contains information, for rapid reference, comparing the pre-college performance of members of the Class of 1987 with previous classes in the areas of academics, leadership potential, and physical condition and aptitude.

II. METHODOLOGY. Data displayed in this report were obtained from the following sources:

- A. Academic Performance: High School Transcripts, American College Tests and College Entrance Examination Board Tests.
- B. Physical Performance: Physical Aptitude Exam.
- C. Leadership Potential: An index developed from combining extra-curricular and athletic activities with high school faculty evaluation.

III. RESULTS.

A. The mean SAT-Math score (636) for cadets in the Class of 1987 is six points higher than the average mean score of the last nine years and the mean SAT-Verbal score (559) is four points higher. The mean HSR in the Class of 1987 is the highest in ten years. Cadet performance in high school and on the College Board exams has resulted in a CEER score which is the highest on record.

B. The Class of 1987 Physical Aptitude Exam Score for men (567) is nine points higher than the average for the last nine years.

C. The mean Leadership Potential Score (608) is the highest in 10 years, and thirteen points above the mean score for the Class of 1986. The Class of 1987 is the second class to be admitted using the new faculty evaluation form.

D. The mean Whole Candidate Score for cadets in the Class of 1987 (6013) is nearly a hundred points above the mean score of the last nine years and is the highest mean score recorded by any entering class.

IV. CONCLUSIONS.

A. Academic Qualifications: The academic qualifications of cadets place them in the top 10-15% of college bound high school seniors. College Board scores for the Class of 1987 have recovered to near the ten year high in scores while the national average has stabilized below the ten year high for college-bound high school seniors.

B. Physical Qualifications: The Physical Aptitude Exam scores of male cadets have shown a slight increase over the last ten years while the scores of female cadets have been stable.

C. Leadership Qualifications: The Leadership Potential Score, a measure of the qualities of leadership in candidates, has risen for the Class of 1987, after ten years during which there was little change.

D. The Military Academy is continuing to attract outstanding candidates.

I. INTRODUCTION

A. Background.

1. This report, along with the reports, Characteristics of the Class of 1987 (August 1983) and New Cadets and Other College Freshmen, Class of 1987 (due spring, 1984), comprise the three general reports prepared by the Office of Institutional Research to describe the Class of 1987 at the time the class entered the Military Academy.

2. The same reports were prepared for the Classes of 1971 through 1986 and similar reports are planned for each future class when it enters the Military Academy.

B. Purpose. This report compares the pre-college performance of members of the Class of 1987 with previous classes in the areas of academics, leadership, physical condition and aptitude.

II. METHODOLOGY

A. Data Collection. Data displayed in this report were obtained from the following sources:

1. Academic performance: High School Transcripts, American College Tests, and College Entrance Examination Board Tests.
2. Physical performance: Physical Aptitude Exam.
3. School Activities and Awards: Self-reported by cadets on questionnaires administered during Cadet Basic Training.
4. Leadership Potential: An index developed from combining extracurricular and athletic activities with high school faculty evaluations.

B. Definitions.

1. CEER College Entrance Examination Board scores and High School Rank Scores combined statistically.
2. HSR High School Rank score.
3. LPS Leadership Potential Score.
4. PAE Physical Aptitude Examination.
5. SAT-V Scholastic Aptitude Test - Verbal.
6. SAT-M Scholastic Aptitude Test - Mathematics.
7. ACT-EN American College Test - English.
8. ACT-MA American College Test - Mathematics.
9. ACT-NS American College Test - Natural Science.
10. ACEER A composite score of 3 ACT tests and HSR (the ACT Social Science test is not used in calculating the ACEER).
11. MCS Whole Candidate Score. A combination of CEER (or ACEER), LPS and PAE.

III. RESULTS

A. Academic Characteristics.

1. The mean College Entrance Examination Board and American College Test scores for the Classes of 1983 through 1987 for admitted cadets are:

	1987		Total	1986	1985	1984	1983
	M	F					
SAT-V	557	572	559	560	549	552	560
SAT-M	639	607	636	631	620	623	626
ACT-EN	23.4	24.0	23.5	23.4	23.3	23.2	23.2
ACT-MA	29.2	28.1	29.1	28.9	28.6	28.9	28.9
ACT-NS	29.5	27.9	29.2	28.7	28.7	28.7	29.1
HSR	578	616	583	580	570	556	565

2. The mean SAT-V score for men in the Class of 1987 is higher than that of 87% of male secondary school seniors nationwide who took the test; and the mean score for women cadets is higher than 89% of female students who comprise the national norm. Male mean SAT-M scores were higher than 82% of the national norm for male students; the mean score for women cadets was above 90% of the national norm for women. The means of cadets on the American College Test scores were well above the national sample of students at 291 four year colleges. On average, male and female cadets outscored 87% of students in the national sample on ACT-English. The mean ACT-Math for male cadets is higher than 92% of the norm; that for female cadets is above 94% of women in the sample. Male cadets' average ACT-Natural Science score is above 84% of their norm group, female cadets averaged above 89% of the female norm groups.

3. The mean scores of all college-bound high school seniors, nationwide, on the Scholastic Aptitude Tests have held steady for the past four years, but have yet to recover from their steep decline in previous years. For USMA the decline in mean SAT scores has been less:

	SAT-Verbal					
	1967		1983		% Decline	
	M	F	M	F	M	F
USMA	574	-	557	572	3%	-
Nationwide	463	468	430	420	7%	10%

	SAT-Math					
	1967		1983		% Decline	
	M	F	M	F	M	F
USMA	649	-	628	647	2%	2%
Nationwide	514	467	483	445	6%	5%

4. Each candidate is evaluated either on College Board scores and High School Rank (CEER) or American College Test Program scores and HSR. If both are available, the higher of the two is used. Figure 2 provides a graphic comparison of the number of cadets within each CEER range with the number of comparably ranked candidates within the same range. Figure 3 shows a similar comparison of candidates and cadets evaluated using ACEER scores. Table 1 shows the distribution, at 20 point intervals, of Whole Candidate Score components for cadets in the Class of 1987.

B. Physical Aptitude. The average Physical Aptitude Examination score of 567 for men in the USMA Class of 1987 is nine points above the average score for the previous nine classes, and shows a slight increase over the mean score for the Class of 1986. The women in the Class of 1987 had a mean PAE score of 523, which is the same as the mean score for women in the Class of 1986. It should be noted that PAE tests for men and women are scored on different items and thus are not comparable. The mean PAE for all candidates is shown in Table 2.

C. Leadership Potential. The Leadership Potential Scores are derived from the ratings of candidates by their secondary school teachers and evaluations by admissions officials of quality of participation by candidates in athletic and other school and community activities. The mean LPS for the class (608) is eight points higher than the mean of the previous nine classes. It is higher than the average score attained by any class since the Class of 1977. Leadership Potential Scores for the Classes of 86 and 87 were calculated based on a new faculty evaluation norm, which may effect comparisons with earlier classes. A graphic comparison of the distribution of scores in the Class of 1987 with that in the candidate population is provided in Figure 3.

D. Overall Characteristics.

1. The Whole Candidate Score is a weighted score consisting of 60 percent CEER (or ACEER), 30 percent LPS, and 10 percent PAE. The distribution of the WCS for the Class of 1987 is shown below.

<u>Score Range</u>	<u>Frequency</u>	<u>Percent</u>
7500-8000	0	0
7000-7499	4	0.3
6500-6999	121	8.5
6000-6499	653	45.5
5500-5999	531	37.0
5000-5499	124	8.6
4500-4999	2	0.1
	<u>1435</u>	
Mean = 6013	Standard Deviation = 367	

2. A graphic comparison of the number of cadets whose scores fall in each WCS range with the number of candidates whose scores fall within the same ranges is shown in Figure 4.

E. TRENDS IN ADMISSIONS VARIABLES. Figures 5-11 show trend data for the Classes of 1978 through 1987. Figure 5 shows that after a period of decline for the Classes of 1983 through 1986, mean CEER scores of entering cadets have risen over the past two years. The mean CEER score for cadets in the Class of 1987 is higher than that for any previous class. Other trends for admitted cadets reflect the following:

1. SAT-V and SAT-M scores show trends similar to that of CEER Scores, with SAT-M recovering more strongly than SAT-V in recent years (Figures 6 and 7).

2. The mean LPS remained fairly constant for the Classes of 1978 through 1986, but showed an increase in the Class of 1987. The mean LPS for the Class of 1987 is the highest in the ten year period (Figure 8).

3. The PAE scores for men show a slight rise for the Classes of 1978 through 1981, and have remained fairly constant in later classes (Figure 9).

4. The MSR remained fairly constant for the Classes of 1978 through 1984, and has risen steadily for the three most recent classes. The mean for the Class of 1987 is the highest for the ten year period (Figure 10).

5. The MCS has risen for the Classes of 1986 and 1987 after a two year period of decline. The Class of 1987 is the first class in which the mean MCS exceeds 6000.

F. SELECTED ACTIVITIES AND AWARDS.

1. Tables 3 and 3a give information on the background, activities and awards of entering cadets of the Classes of 1979 through 1987.

2. Cadets in the Class of 1987 were actively involved in diverse extracurricular and athletic activities in high school. In this involvement they are similar to previous classes. Eighty-seven percent of the Class of 1987 earned varsity letters and 48 percent were team captains. Over 26 percent held an elective high school class office during their senior year. Twenty-four percent were Boys'/Girls' State Representatives. Forty-four percent were scouts, with over 8 percent making the rank of Eagle Scout.

IV CONCLUSIONS

1. Academic Qualifications: The mean College Board scores of cadets have followed the general trend of the national average, but the decline in scores has been only about half of the national norm. SAT-Math scores of cadets have recovered strongly in recent years.

2. Physical Qualifications: The Physical Aptitude Exam scores of male cadets have shown a slight increase over the past two years while the scores of female cadets have remained stable.

3. Leadership Qualifications: The Leadership Potential Score, a measure of the qualities of leadership in candidates, is higher on average for cadets in the Class of 1987 than for cadets in the nine previous classes, indicating highly favorable evaluations of the new cadets by admissions officials and secondary school teachers.

4. Overall Qualifications: The Class of 1987 is the first class to have a mean Whole Candidate Score which exceeds 6000, indicating that the Military Academy is continuing to attract outstanding candidates.

		<u>Number</u>	<u>Mean</u>	<u>SD</u>
Candidates	□	2958	584	69
Cadets	■	986	605	58

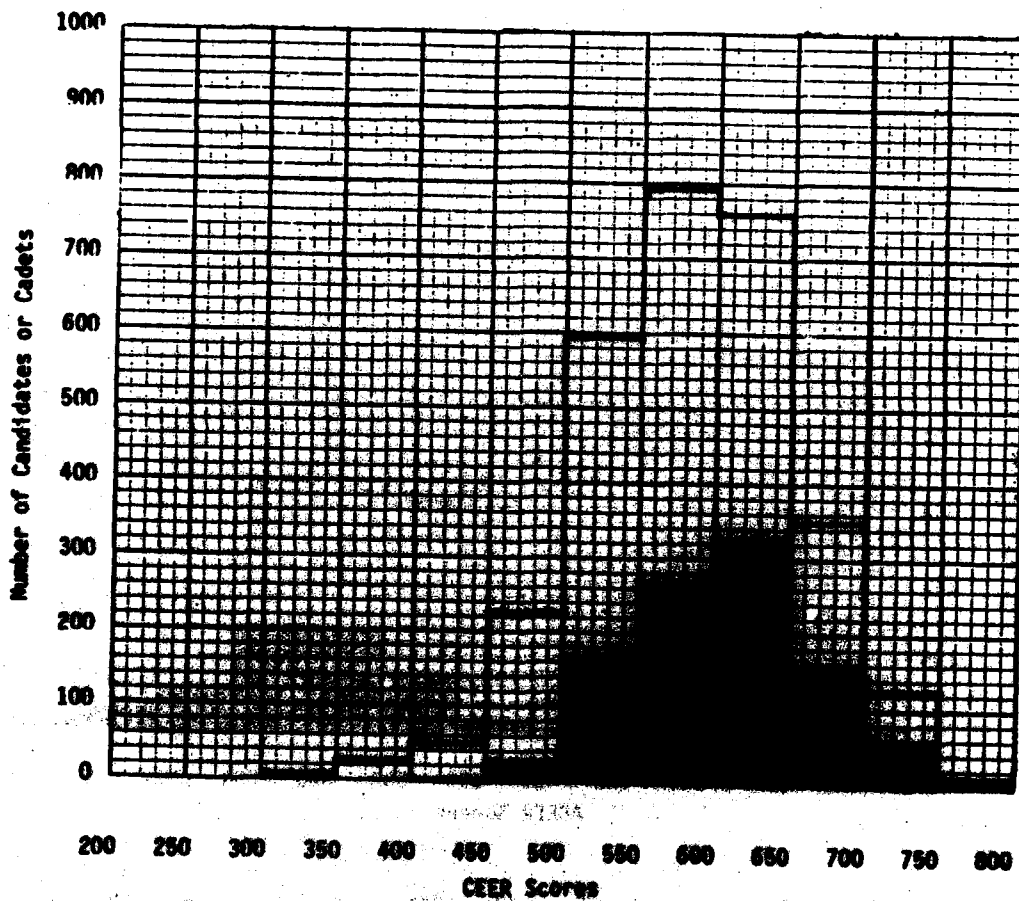


FIGURE 1 COMPARISON OF THE NUMBER OF CADETS (EVALUATED USING CEER) WITH THE NUMBER OF FULLY ENGINEERED CANDIDATES (EVALUATED USING CEER) AT EACH CEER SCORE LEVEL FOR THE CLASS OF 1987.

TABLE 1

DISTRIBUTION OF SCORES ON WHOLE CANDIDATE SCORE COMPONENTS
FOR THE CLASS OF 1987

Score Ranges	Academic				Male Physical Aptitude (PAE)		Female Physical Aptitude (PAE)		Leadership Potential (LPS)	
	CEER		ACEER		No.	%	No.	%	No.	%
750-800	4	0	0	0	19	2	2	1	3	0
700-749	52	5	24	5	55	4	7	4	82	6
650-699	155	16	60	13	121	10	6	3	323	22
600-649	325	33	140	31	202	16	17	10	394	28
550-599	263	27	137	30	303	24	34	19	367	26
500-549	163	16	79	18	283	22	31	18	197	14
450-499	23	2	7	2	206	16	32	18	55	4
400-449	1	0	2	0	64	5	45	25	12	1
350-399	0	0	0	0	0	0	3	2	1	0
300-349	0	0	0	0	1	0	0	0	1	0
250-299	0	0	0	0	1	0	0	0	0	0
200-249	0	0	0	0	0	0	0	0	0	0
Total	986		449		1255		177		1435	
Mean	605		600		567		523		508	
S.D.	58		56		79		88		63	

1987-1988
 1988-1989
 1989-1990
 1990-1991
 1991-1992
 1992-1993
 1993-1994
 1994-1995
 1995-1996
 1996-1997
 1997-1998
 1998-1999
 1999-2000
 2000-2001
 2001-2002
 2002-2003
 2003-2004
 2004-2005
 2005-2006
 2006-2007
 2007-2008
 2008-2009
 2009-2010
 2010-2011
 2011-2012
 2012-2013
 2013-2014
 2014-2015
 2015-2016
 2016-2017
 2017-2018
 2018-2019
 2019-2020
 2020-2021
 2021-2022
 2022-2023
 2023-2024
 2024-2025
 2025-2026
 2026-2027
 2027-2028
 2028-2029
 2029-2030
 2030-2031
 2031-2032
 2032-2033
 2033-2034
 2034-2035
 2035-2036
 2036-2037
 2037-2038
 2038-2039
 2039-2040
 2040-2041
 2041-2042
 2042-2043
 2043-2044
 2044-2045
 2045-2046
 2046-2047
 2047-2048
 2048-2049
 2049-2050
 2050-2051
 2051-2052
 2052-2053
 2053-2054
 2054-2055
 2055-2056
 2056-2057
 2057-2058
 2058-2059
 2059-2060
 2060-2061
 2061-2062
 2062-2063
 2063-2064
 2064-2065
 2065-2066
 2066-2067
 2067-2068
 2068-2069
 2069-2070
 2070-2071
 2071-2072
 2072-2073
 2073-2074
 2074-2075
 2075-2076
 2076-2077
 2077-2078
 2078-2079
 2079-2080
 2080-2081
 2081-2082
 2082-2083
 2083-2084
 2084-2085
 2085-2086
 2086-2087
 2087-2088
 2088-2089
 2089-2090
 2090-2091
 2091-2092
 2092-2093
 2093-2094
 2094-2095
 2095-2096
 2096-2097
 2097-2098
 2098-2099
 2099-2100
 2100-2101
 2101-2102
 2102-2103
 2103-2104
 2104-2105
 2105-2106
 2106-2107
 2107-2108
 2108-2109
 2109-2110
 2110-2111
 2111-2112
 2112-2113
 2113-2114
 2114-2115
 2115-2116
 2116-2117
 2117-2118
 2118-2119
 2119-2120
 2120-2121
 2121-2122
 2122-2123
 2123-2124
 2124-2125
 2125-2126
 2126-2127
 2127-2128
 2128-2129
 2129-2130
 2130-2131
 2131-2132
 2132-2133
 2133-2134
 2134-2135
 2135-2136
 2136-2137
 2137-2138
 2138-2139
 2139-2140
 2140-2141
 2141-2142
 2142-2143
 2143-2144
 2144-2145
 2145-2146
 2146-2147
 2147-2148
 2148-2149
 2149-2150
 2150-2151
 2151-2152
 2152-2153
 2153-2154
 2154-2155
 2155-2156
 2156-2157
 2157-2158
 2158-2159
 2159-2160
 2160-2161
 2161-2162
 2162-2163
 2163-2164
 2164-2165
 2165-2166
 2166-2167
 2167-2168
 2168-2169
 2169-2170
 2170-2171
 2171-2172
 2172-2173
 2173-2174
 2174-2175
 2175-2176
 2176-2177
 2177-2178
 2178-2179
 2179-2180
 2180-2181
 2181-2182
 2182-2183
 2183-2184
 2184-2185
 2185-2186
 2186-2187
 2187-2188
 2188-2189
 2189-2190
 2190-2191
 2191-2192
 2192-2193
 2193-2194
 2194-2195
 2195-2196
 2196-2197
 2197-2198
 2198-2199
 2199-2200
 2200-2201
 2201-2202
 2202-2203
 2203-2204
 2204-2205
 2205-2206
 2206-2207
 2207-2208
 2208-2209
 2209-2210
 2210-2211
 2211-2212
 2212-2213
 2213-2214
 2214-2215
 2215-2216
 2216-2217
 2217-2218
 2218-2219
 2219-2220
 2220-2221
 2221-2222
 2222-2223
 2223-2224
 2224-2225
 2225-2226
 2226-2227
 2227-2228
 2228-2229
 2229-2230
 2230-2231
 2231-2232
 2232-2233
 2233-2234
 2234-2235
 2235-2236
 2236-2237
 2237-2238
 2238-2239
 2239-2240
 2240-2241
 2241-2242
 2242-2243
 2243-2244
 2244-2245
 2245-2246
 2246-2247
 2247-2248
 2248-2249
 2249-2250
 2250-2251
 2251-2252
 2252-2253
 2253-2254
 2254-2255
 2255-2256
 2256-2257
 2257-2258
 2258-2259
 2259-2260
 2260-2261
 2261-2262
 2262-2263
 2263-2264
 2264-2265
 2265-2266
 2266-2267
 2267-2268
 2268-2269
 2269-2270
 2270-2271
 2271-2272
 2272-2273
 2273-2274
 2274-2275
 2275-2276
 2276-2277
 2277-2278
 2278-2279
 2279-2280
 2280-2281
 2281-2282
 2282-2283
 2283-2284
 2284-2285
 2285-2286
 2286-2287
 2287-2288
 2288-2289
 2289-2290
 2290-2291
 2291-2292
 2292-2293
 2293-2294
 2294-2295
 2295-2296
 2296-2297
 2297-2298
 2298-2299
 2299-2300
 2300-2301
 2301-2302
 2302-2303
 2303-2304
 2304-2305
 2305-2306
 2306-2307
 2307-2308
 2308-2309
 2309-2310
 2310-2311
 2311-2312
 2312-2313
 2313-2314
 2314-2315
 2315-2316
 2316-2317
 2317-2318
 2318-2319
 2319-2320
 2320-2321
 2321-2322
 2322-2323
 2323-2324
 2324-2325
 2325-2326
 2326-2327
 2327-2328
 2328-2329
 2329-2330
 2330-2331
 2331-2332
 2332-2333
 2333-2334
 2334-2335
 2335-2336
 2336-2337
 2337-2338
 2338-2339
 2339-2340
 2340-2341
 2341-2342
 2342-2343
 2343-2344
 2344-2345
 2345-2346
 2346-2347
 2347-2348
 2348-2349
 2349-2350
 2350-2351
 2351-2352
 2352-2353
 2353-2354
 2354-2355
 2355-2356
 2356-2357
 2357-2358
 2358-2359
 2359-2360
 2360-2361
 2361-2362
 2362-2363
 2363-2364
 2364-2365
 2365-2366
 2366-2367
 2367-2368
 2368-2369
 2369-2370
 2370-2371
 2371-2372
 2372-2373
 2373-2374
 2374-2375
 2375-2376
 2376-2377
 2377-2378
 2378-2379
 2379-2380
 2380-2381
 2381-2382
 2382-2383
 2383-2384
 2384-2385
 2385-2386
 2386-2387
 2387-2388
 2388-2389
 2389-2390
 2390-2391
 2391-2392
 2392-2393
 2393-2394
 2394-2395
 2395-2396
 2396-2397
 2397-2398
 2398-2399
 2399-2400
 2400-2401
 2401-2402
 2402-2403
 2403-2404
 2404-2405
 2405-2406
 2406-2407
 2407-2408
 2408-2409
 2409-2410
 2410-2411
 2411-2412
 2412-2413
 2413-2414
 2414-2415
 2415-2416
 2416-2417
 2417-2418
 2418-2419
 2419-2420
 2420-2421
 2421-2422
 2422-2423
 2423-2424
 2424-2425
 2425-2426
 2426-2427
 2427-2428
 2428-2429
 2429-2430
 2430-2431
 2431-2432
 2432-2433
 2433-2434
 2434-2435
 2435-2436
 2436-2437
 2437-2438
 2438-2439
 2439-2440
 2440-2441
 2441-2442
 2442-2443
 2443-2444
 2444-2445
 2445-2446
 2446-2447
 2447-2448
 2448-2449
 2449-2450
 2450-2451
 2451-2452
 2452-2453
 2453-2454
 2454-2455
 2455-2456
 2456-2457
 2457-2458
 2458-2459
 2459-2460
 2460-2461
 2461-2462
 2462-2463
 2463-2464
 2464-2465
 2465-2466
 2466-2467
 2467-2468
 2468-2469
 2469-2470
 2470-2471
 2471-2472
 2472-2473
 2473-2474
 2474-2475
 2475-2476
 2476-2477
 2477-2478
 2478-2479
 2479-2480
 2480-2481
 2481-2482
 2482-2483
 2483-2484
 2484-2485
 2485-2486
 2486-2487
 2487-2488
 2488-2489
 2489-2490
 2490-2491
 2491-2492
 2492-2493
 2493-2494
 2494-2495
 2495-2496
 2496-2497
 2497-2498
 2498-2499
 2499-2500
 2500-2501
 2501-2502
 2502-2503
 2503-2504
 2504-2505
 2505-2506
 2506-2507
 2507-2508
 2508-2509
 2509-2510
 2510-2511
 2511-2512
 2512-2513
 2513-2514
 2514-2515
 2515-2516
 2516-2517
 2517-2518
 2518-2519
 2519-2520
 2520-2521
 2521-2522
 2522-2523
 2523-2524
 2524-2525
 2525-2526
 2526-2527
 2527-2528
 2528-2529
 2529-2530
 2530-2531
 2531-2532
 2532-2533
 2533-2534
 2534-2535
 2535-2536
 2536-2537
 2537-2538
 2538-2539
 2539-2540
 2540-2541
 2541-2542
 2542-2543
 2543-2544
 2544-2545
 2545-2546
 2546-2547
 2547-2548
 2548-2549
 2549-2550
 2550-2551
 2551-2552
 2552-2553
 2553-2554
 2554-2555
 2555-2556
 2556-2557
 2557-2558
 2558-2559
 2559-2560
 2560-2561
 2561-2562
 2562-2563
 2563-2564
 2564-2565
 2565-2566
 2566-2567
 2567-2568
 2568-2569
 2569-2570
 2570-2571
 2571-2572
 2572-2573
 2573-2574
 2574-2575
 2575-2576
 2576-2577
 2577-2578
 2578-2579
 2579-2580
 2580-2581
 2581-2582
 2582-2583
 2583-2584
 2584-2585
 2585-2586
 2586-2587
 2587-2588
 2588-2589
 2589-2590
 2590-2591
 2591-2592
 2592-2593
 2593-2594
 2594-2595
 2595-2596
 2596-2597
 2597-2598
 2598-2599
 2599-2600
 2600-2601
 2601-2602
 2602-2603
 2603-2604
 2604-2605
 2605-2606
 2606-2607
 2607-2608
 2608-2609
 2609-2610
 2610-2611
 2611-2612
 2612-2613
 2613-2614
 2614-2615
 2615-2616
 2616-2617
 2617-2618
 2618-2619
 2619-2620
 2620-2621
 2621-2622
 2622-2623
 2623-2624
 2624-2625
 2625-2626
 2626-2627
 2627-2628
 2628-2629
 2629-2630
 2630-2631
 2631-2632
 2632-2633
 2633-2634
 2634-2635
 2635-2636
 2636-2637
 2637-2638
 2638-2639
 2639-2640
 2640-2641
 2641-2642
 2642-2643
 2643-2644
 2644-2645
 2645-2646
 2646-2647
 2647-2648
 2648-2649
 2649-2650
 2650-2651
 2651-2652
 2652-2653
 2653-2654
 2654-2655
 2655-2656
 2656-2657
 2657-2658
 2658-2659
 2659-2660
 2660-2661
 2661-2662
 2662-2663
 2663-2664
 2664-2665
 2665-2666
 2666-2667
 2667-2668
 2668-2669
 2669-2670
 2670-2671
 2671-2672
 2672-2673
 2673-2674
 2674-2675
 2675-2676
 2676-2677
 2677-2678
 2678-2679
 2679-2680
 2680-2681
 2681-2682
 2682-2683
 2683-2684
 2684-2685
 2685-2686
 2686-2687
 2687-2688
 2688-2689
 2689-2690
 2690-2691
 2691-2692
 2692-2693
 2693-2694
 2694-2695
 2695-2696
 2696-2697
 2697-2698
 2698-2699
 2699-2700
 2700-2701
 2701-2702
 2702-2703
 2703-2704
 2704-2705
 2705-2706
 2706-2707
 2707-2708
 2708-2709
 2709-2710
 2710-2711
 2711-2712
 2712-2713
 2713-2714
 2714-2715
 2715-2716
 2716-2717
 2717-2718
 2718-2719
 2719-2720
 2720-2721
 2721-2722
 2722-2723
 2723-2724
 2724-2725
 2725-2726
 2726-2727
 2727-2728
 2728-2729
 2729-2730
 2730-2731
 2731-2732
 2732-2733
 2733-2734
 2734-2735
 2735-2736
 2736-2737
 2737-2738
 2738-2739
 2739-2740
 2740-2741
 2741-2742
 2742-

TABLE 2

MEANS AND STANDARD DEVIATIONS FOR CEER, LPS, PAE
AND WCS, CLASS OF 1987

	CEER			LPS			PAE*			WCS		
	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD
A	7780	545	86	12162	550	82	6185	521	105	10859	5439	634
T	2958	584	69	4372	582	75	4378	532	95	4361	5788	479
M	2673	585	69	3969	583	75	3974	536	94	3960	5798	477
C	986	605	58	1435	608	63	1255	567	79	1435	6013	367

*PAE for admitted cadets is shown for male cadets only, so that more valid comparisons can be made with prior years. Means and standard deviations of PAE for candidates is for male and female combined.

MEANS AND STANDARD DEVIATIONS FOR ACEER, ACT-EN,
ACT-MA, AND ACT-NS, CLASS OF 1987

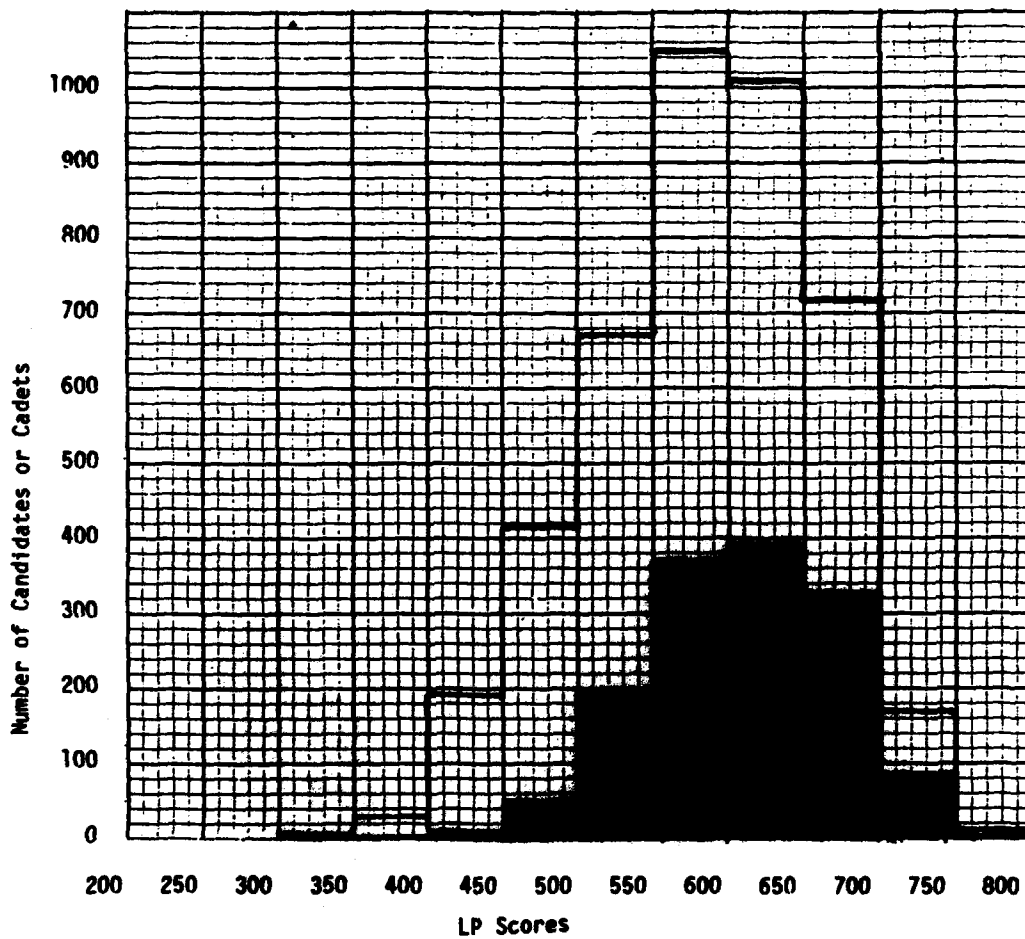
	ACEER			ACT-EN			ACT-MA			ACT-NS		
	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD
A	3153	550	90	3153	22.0	4.2	3153	26.4	5.4	3153	27.6	4.7
T	1405	585	68	1405	23.3	3.3	1405	28.3	3.8	1405	29.0	3.7
M	1289	585	67	1289	23.3	3.3	1289	28.4	3.8	1289	29.0	3.7
C	449	600	58	449	23.4	2.9	449	29.1	3.2	449	29.2	3.5

MEANS AND STANDARD DEVIATIONS FOR SAT-V, SAT-M, AND
HSR, CLASS OF 1987

	SAT-V			SAT-M			HSR		
	N	Mean	SD	N	Mean	SD	N	Mean	SD
A	6967	512	94	6966	580	97	11494	527	113
T	2956	546	80	2956	619	76	4363	586	108
M	2671	546	80	2671	619	75	3962	586	108
C	986	599	69	986	636	64	1436	583	104



NOTE: A = All Candidates Tested on Variables
 T = All Candidates Fully Tested on CEER (ACEER), LPS, PAE and WCS
 M = All Candidates Fully Tested and Medically Qualified
 C = Admitted Candidates Who Became Cadets

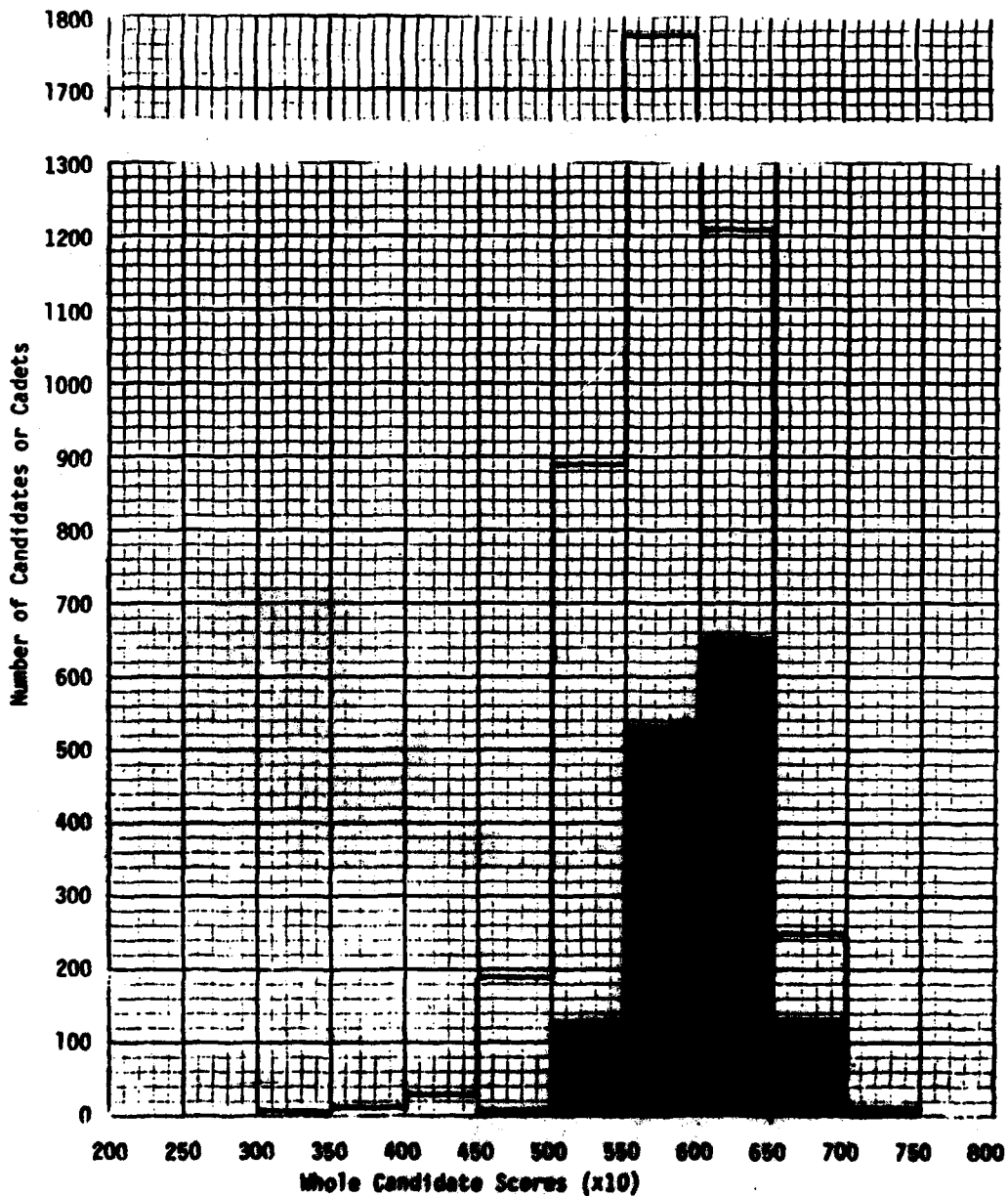
	<u>Number</u>	<u>Mean</u>	<u>SD</u>
Candidates	4372	582	75
Cadets	1435	608	63



No. Candidates	0	0	7	27	193	418	772	1048	1007	719	169	12
% Entered	0	0	14	4	6	13	26	35	39	45	48	25
No. Cadets	0	0	1	1	12	55	197	367	394	323	82	3

FIGURE 3 COMPARISON OF THE NUMBER OF CADETS WITH THE NUMBER OF FULLY EXAMINED CANDIDATES AT EACH LEADERSHIP POTENTIAL LEVEL FOR THE CLASS OF 1987.

		<u>Number</u>	<u>Mean</u>	<u>SD</u>
Candidates		4361	579	48
Cadets		1435	601	37



No. Candidates	0	0	1	9	29	106	891	1779	1203	261	13	0
% Entered	0	0	0	0	0	1	14	30	54	48	31	0
No. Cadets	0	0	0	0	0	2	124	531	683	121	4	0

FIGURE 4 COMPARISON OF THE NUMBER OF CADETS WITH THE NUMBER OF FULLY EXAMINED CANDIDATES AT EACH WHOLE CANDIDATE SCORE LEVEL FOR THE CLASS OF 1967.

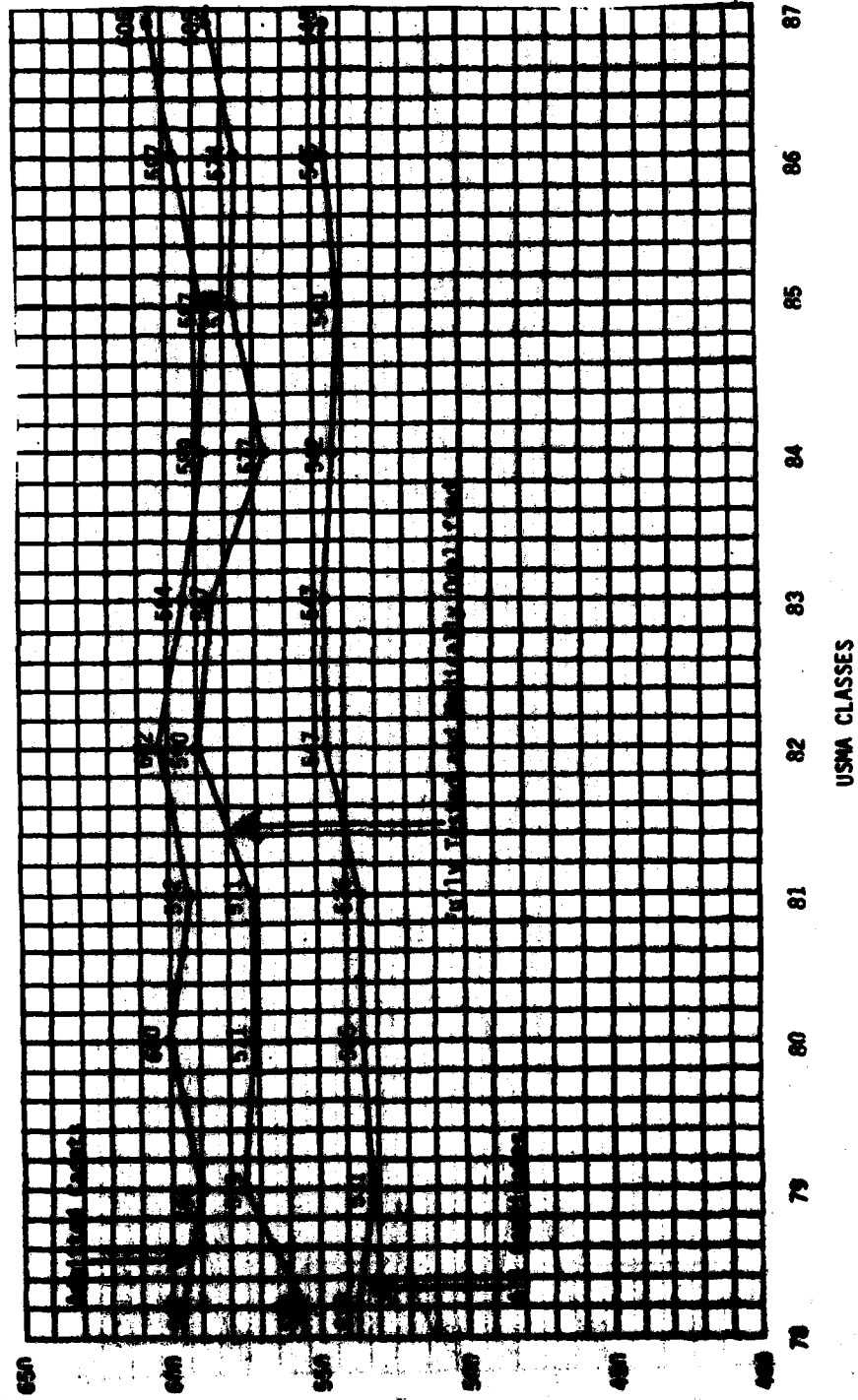


FIGURE 5. TRENDS OF MEAN CEER SCORE FOR THE CANDIDATES AND ENTERING CADETS OF THE CLASSES OF 1978 THROUGH 1987.

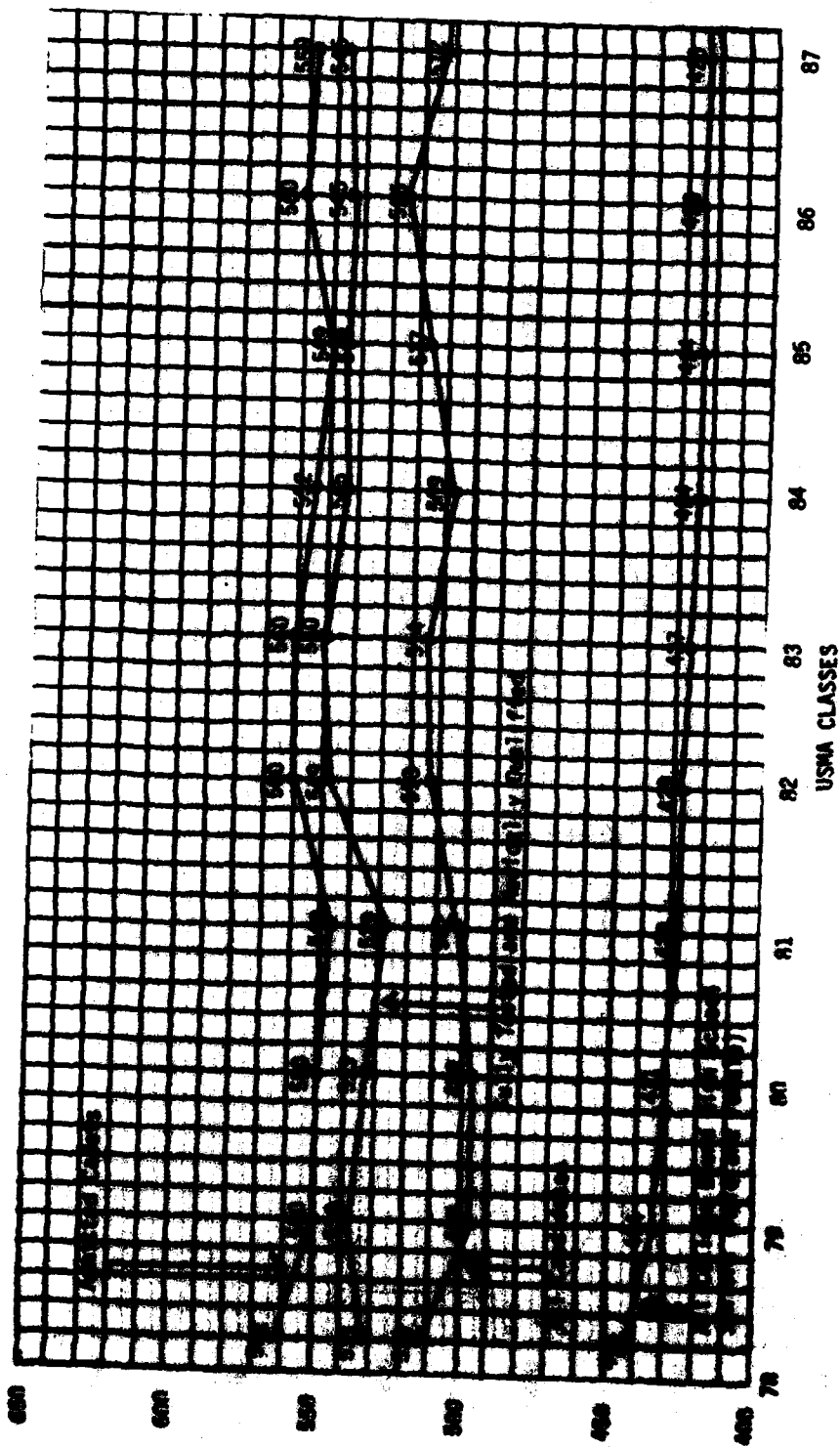


FIGURE 6. TRENDS IN MEAN SAT-VERNAL SCORES FOR THE CANDIDATES AND ENTERING CADETS OF THE CLASSES OF 1978 THROUGH 1987 AND ALL COLLEGE BOUND HIGH SCHOOL SENIORS NATIONWIDE.

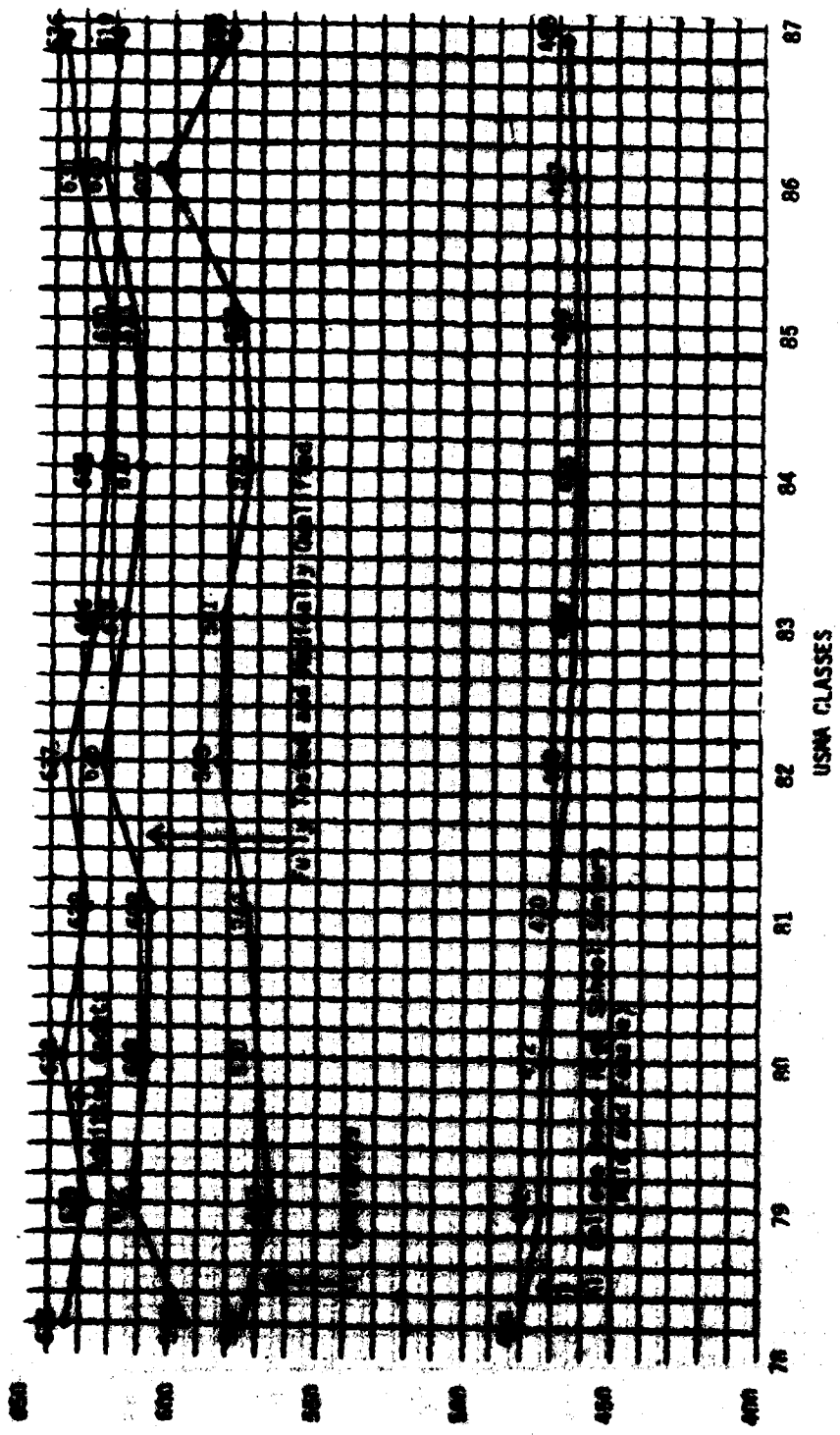


FIGURE 7. TRENDS OF MEAN SAT-MATHEMATICS SCORES FOR CANDIDATES AND ENTERING CADETS OF THE CLASSES OF 1978 THROUGH 1987 AND ALL COLLEGE BOUND HIGH SCHOOL SENIORS, NATIONWIDE.

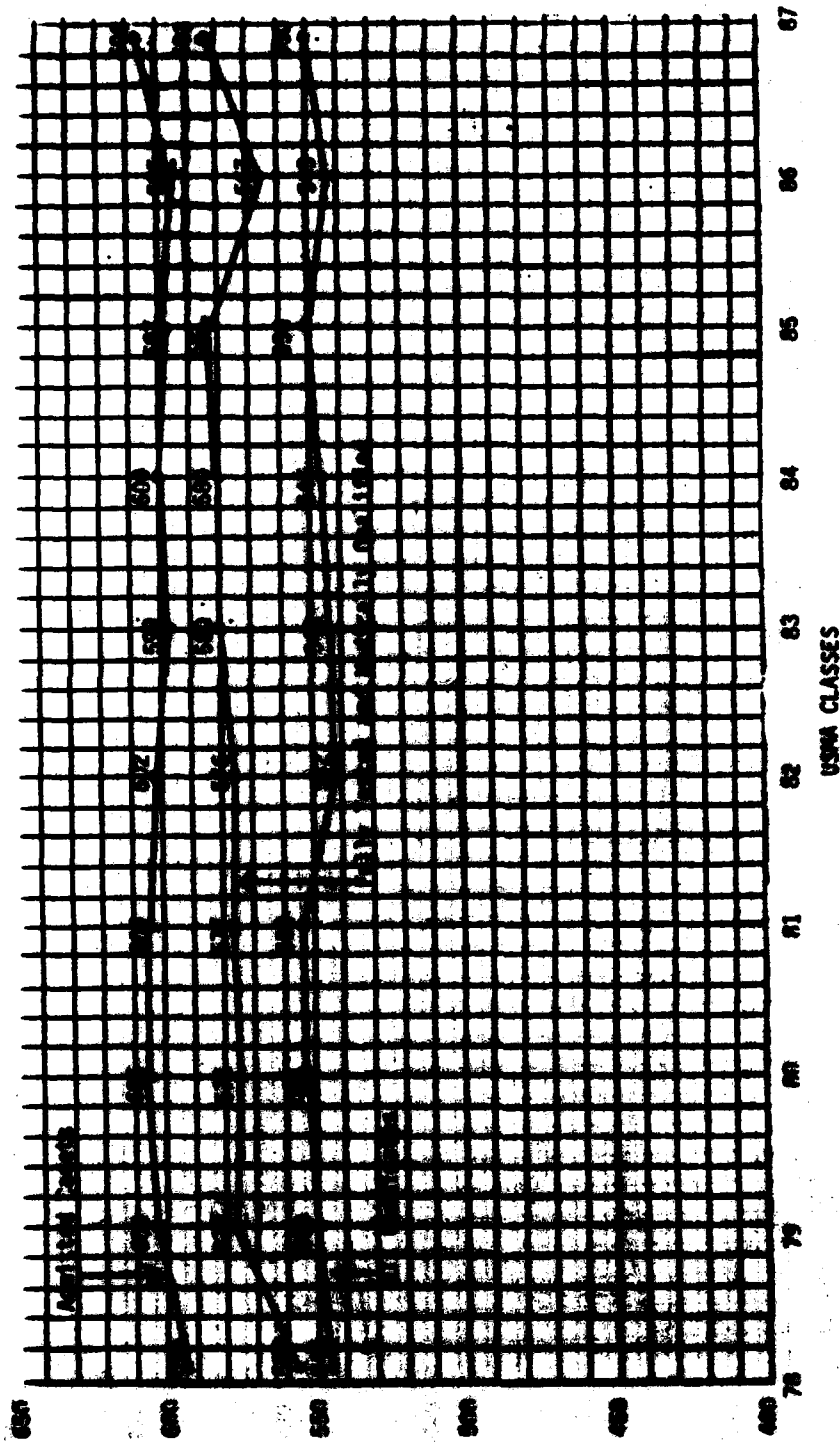


FIGURE A. TRENDS OF MEAN LEADERSHIP POTENTIAL SCORES FOR THE CANDIDATES AND ENTERING CADETS OF THE CLASSES OF 1978 THROUGH 1987.

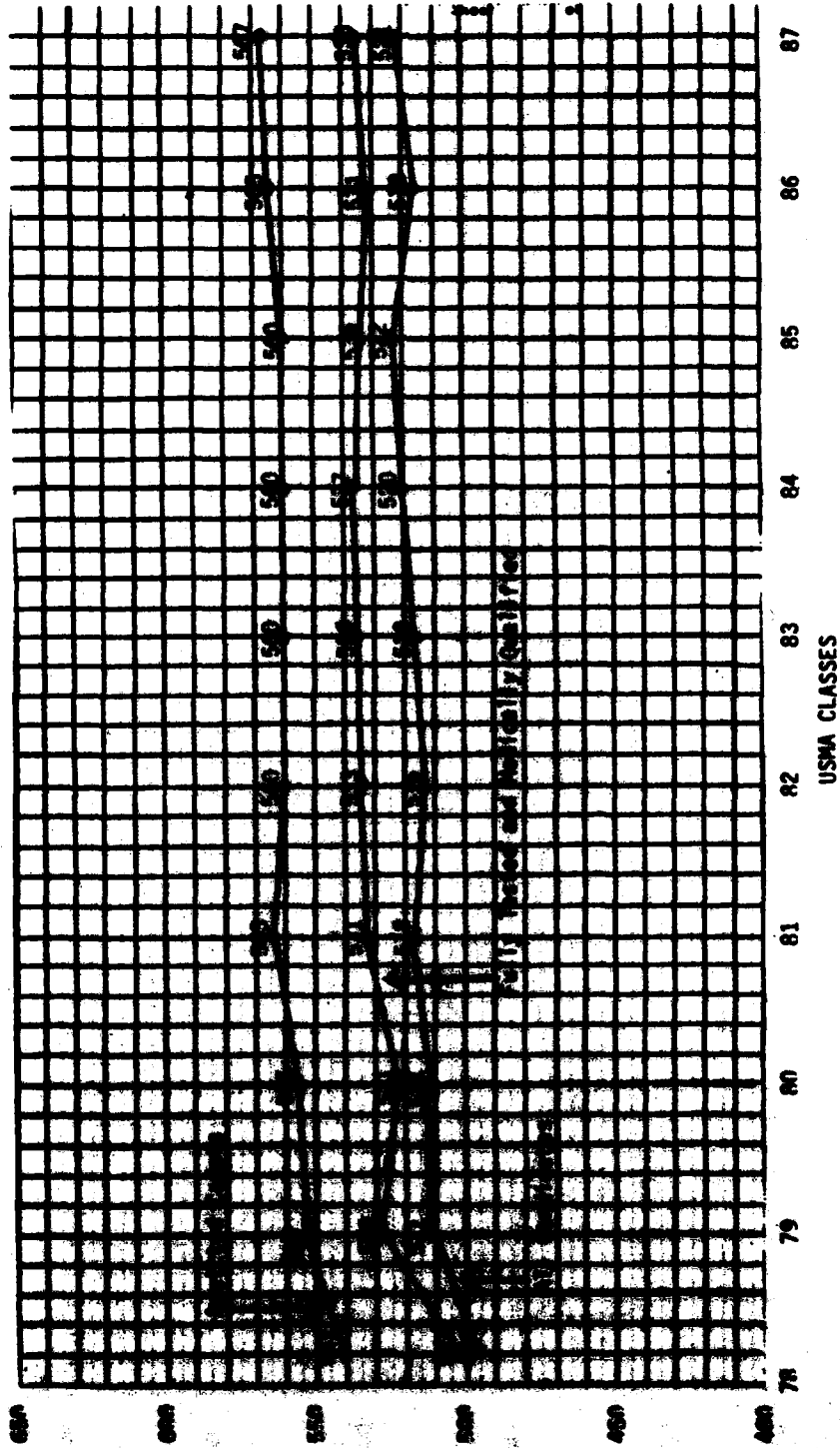


FIGURE 9. TRENDS OF MEAN PAE SCORES FOR THE CANDIDATES AND ENTERING CADETS OF THE CLASSES OF 1978 THROUGH 1987. (PAE for admitted cadets is for male cadets only).

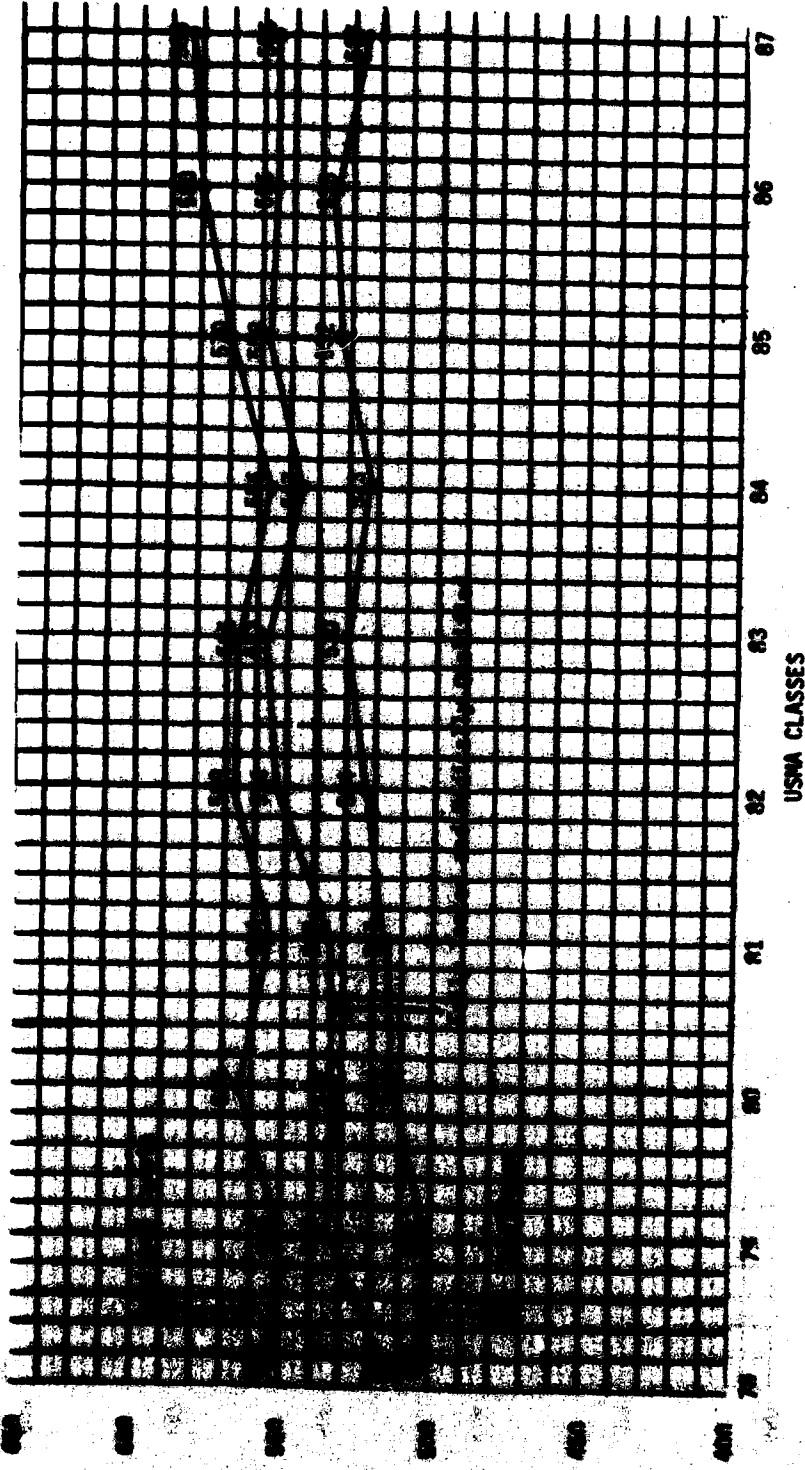


FIGURE 10. TRENDS OF NEAR HIGH SCHOOL RANK SCORES FOR THE CANDIDATES AND CADETS OF THE CLASSES OF 1978 THROUGH 1987.

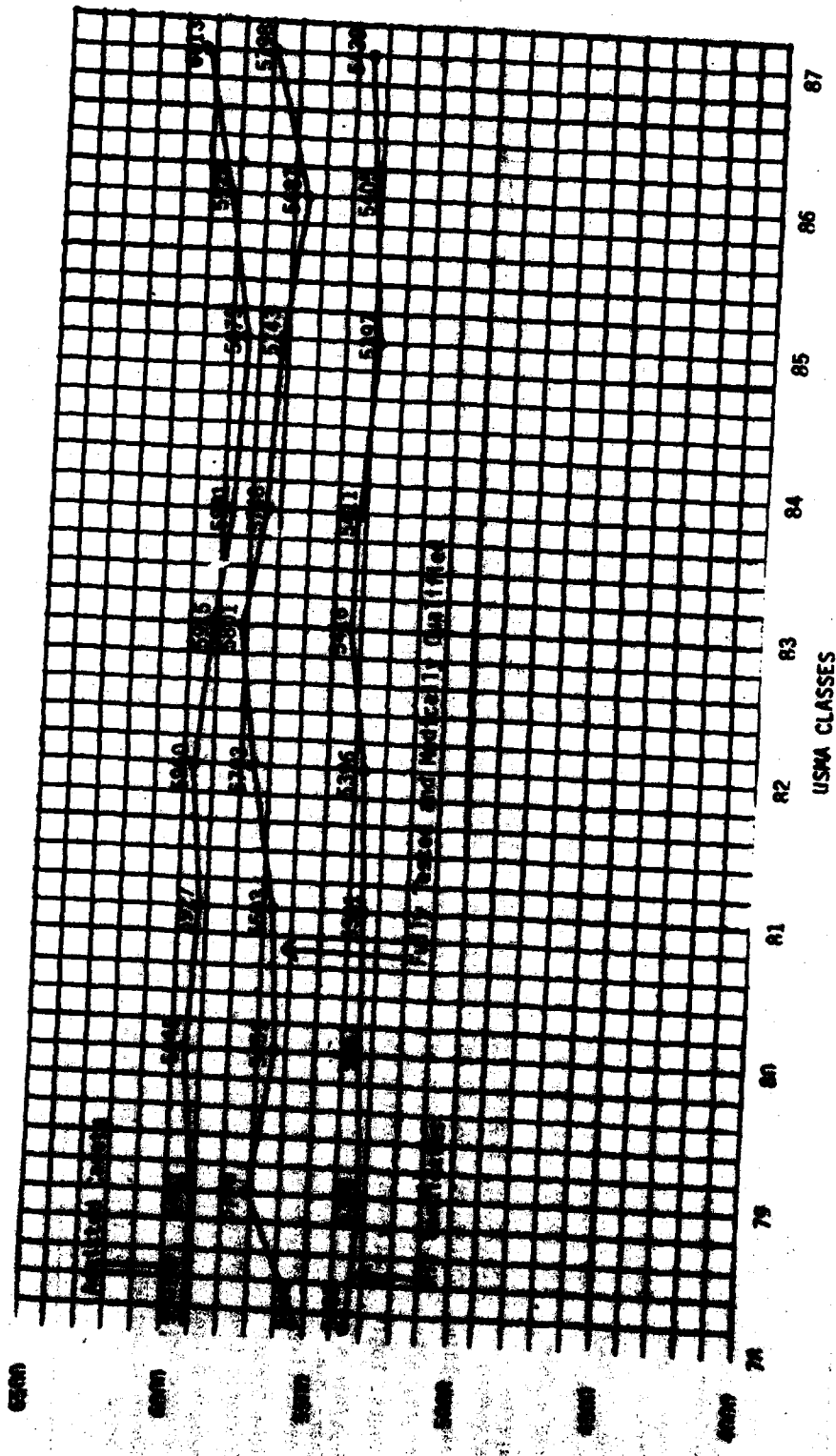


FIGURE 11. TRENDS OF NEAR MISS CANDIDATE SCORES FOR THE CANDIDATES AND ENTERING CADETS OF THE CLASSES OF 1978 THROUGH 1987.

TABLE 3

SELECTED HIGH SCHOOL ACTIVITIES AND AWARDS OF ENTERING CADETS IN THE CLASSES OF 1979 THROUGH 1987

	CLASS									
	1979	1980	1981	1982	1983	1984	1985	1986	1987	
Senior Class President	9 (6.8%)	86 (5.8%)	91 (6.2%)	65 (4.7%)	77 (5.5%)	68 (4.7%)	77 (5.1%)	67 (5%)	89 (6.2%)	
Senior Class Officer	308(33.8%)	184(12.8%)	192(13.1%)	177(12.8%)	187(13.4%)	235(16.1%)	242(15.9%)	214 (15%)	224 (15.7%)	
Student Body President	88 (4.8%)	73 (4.9%)	97 (6.6%)	73 (5.3%)	81 (5.8%)	63 (4.3%)	76 (5.0%)	85 (6%)	70 (4.9%)	
Student Team	127 (8.9%)	147 (9.9%)	163(11.1%)	168(11.9%)	158(11.4%)	158(10.8%)	170(11.2%)	170 (12%)	170 (11.9%)	
Varsity Athletes	1138(79.5%)	1195(80.7%)	1219(82.9%)	1161(83.2%)	1151(82.3%)	1228(84.3%)	1268(83.5%)	1210 (89%)	1237 (86.6%)	
Varsity Captains	528(38.2%)	561(37.2%)	654(44.2%)	599(42.9%)	629(45.8%)	688(47.2%)	692(45.8%)	690 (49%)	690 (48.3%)	
Varsity, All	889(62.7%)	766(51.2%)	884(59.7%)	748(53.6%)	748(54.4%)	733(50.3%)	736(48.4%)	639 (46%)	629 (44.6%)	
Varsity, Single	287(19.8%)	388(25.9%)	388(25.9%)	342(24.5%)	342(24.5%)	342(24.5%)	342(24.5%)	342(24.5%)	342(24.5%)	
Varsity, Double	302(20.9%)	378(25.3%)	496(33.8%)	406(29.1%)	406(29.1%)	391(27.8%)	394(27.0%)	297(21.9%)	287(21.1%)	
Varsity, Triple	100(7.1%)	173(11.6%)	200(14.2%)	215(15.5%)	205(14.9%)	229(16.7%)	219(16.4%)	219 (16%)	237 (16.6%)	
Varsity, Four	27 (1.9%)	36 (2.4%)	38 (2.6%)	30 (2.2%)	28 (2.0%)	30 (2.1%)	26 (1.7%)	39 (3%)	56 (3.9%)	
American Legion Award	131 (9.1%)	128 (8.1%)	145 (9.9%)	128 (9.2%)	138 (9.9%)	138 (9.9%)	154(10.1%)	138 (10%)	138 (9.7%)	

TABLE 3a
SELECTED CHARACTERISTICS OF CADETS IN THE CLASSES OF 1978 THROUGH 1987

	CLASS									
	1978	1980	1981	1982	1983	1984	1985	1986	1987	
Cadets With 1 or More Months of Cadetship	217(15.8%)	225(15.2%)	263(17.9%)	213(15.3%)	260(18.6%)	215(14.1%)	174(11.4%)	204(14%)	156(10.9%)	
Number of Months of Cadetship	64 (4.8%)	59 (4.0%)	62 (4.2%)	57 (4.1%)	59 (4.2%)	54 (3.7%)	59 (3.8%)	51 (4%)	41 (3%)	
Advanced Work Programmers	213(16.2%)	179(12.1%)	162(11.0%)	211(15.2%)	207(14.8%)	191(13.1%)	203(13.3%)	166(13%)	173(12.1%)	
Attended Public High School	1297(86.9%)	1283(86.4%)	1259(85.7%)	1194(85.4%)	1201(85.9%)	1245(85.2%)	1281(84.4%)	1209(85%)	1174(82.2%)	
Attended Private High School	202(14.1%)	190(13.4%)	208(14.2%)	201(14.5%)	197(14.1%)	220(14.8%)	235(15.6%)	209(15%)	226(15.8%)	
Rank by High School Class										
Top Fifth	108(10.0%)	116(7.5%)	107(7.2%)	105(7.5%)	102(7.3%)	100(6.6%)	106(6.9%)	103(7.3%)	121(8.3%)	
Second Fifth	310(21.0%)	260(17.5%)	207(13.5%)	241(17.2%)	253(18.1%)	335(22.9%)	340(22.4%)	283(20%)	151(10.6%)	
Third Fifth	30(1.5%)	90(6.3%)	95(6.3%)	89(6.4%)	102(7.3%)	102(7.0%)	92(6.2%)	88(6%)	44(3.2%)	
Fourth Fifth	15(1.1%)	12(0.8%)	13(0.9%)	8(0.6%)	18(1.3%)	16(1.1%)	17(1.1%)	13(1%)	6(0.4%)	
Bottom Fifth	2(0.1%)	3(0.2%)	2(0.1%)	2(0.1%)	3(0.2%)	4(0.3%)	5(0.3%)	3(0.2%)	2(0.1%)	
Volunteers	86(6.0%)	83(5.6%)	90(6.1%)	86(6.2%)	77(5.5%)	58(4.0%)	67(4.4%)	89(6%)	119(8.3%)	
Substitutions	16(4.0%)	59(3.9%)	66(4.5%)	62(4.5%)	58(4.1%)	50(4.1%)	65(4.3%)	89(6%)	93(6.5%)	
N =	1433	1485	1469	1396	1398	1466	1538	1420	1435	

DATE
FILMED
88