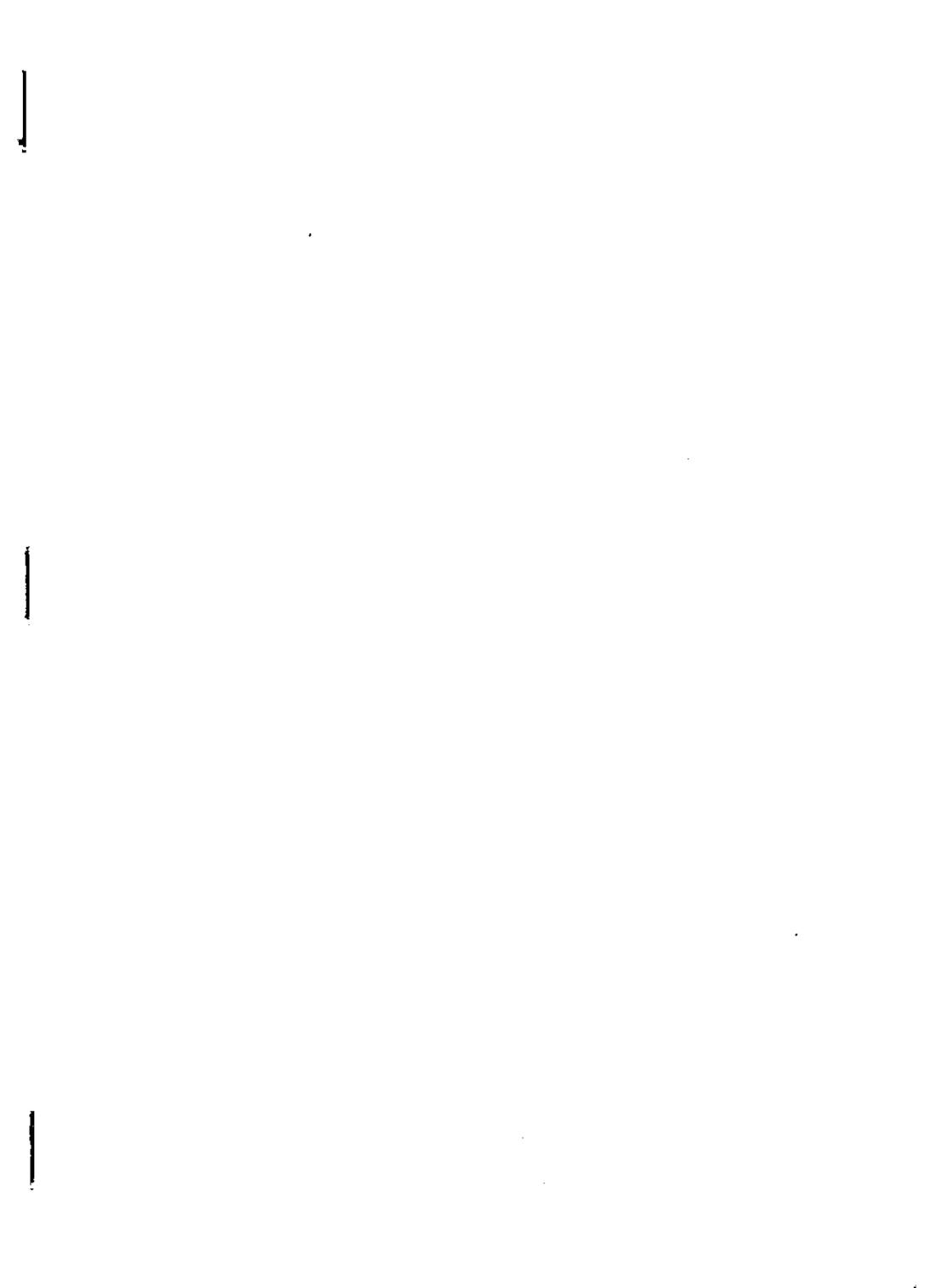


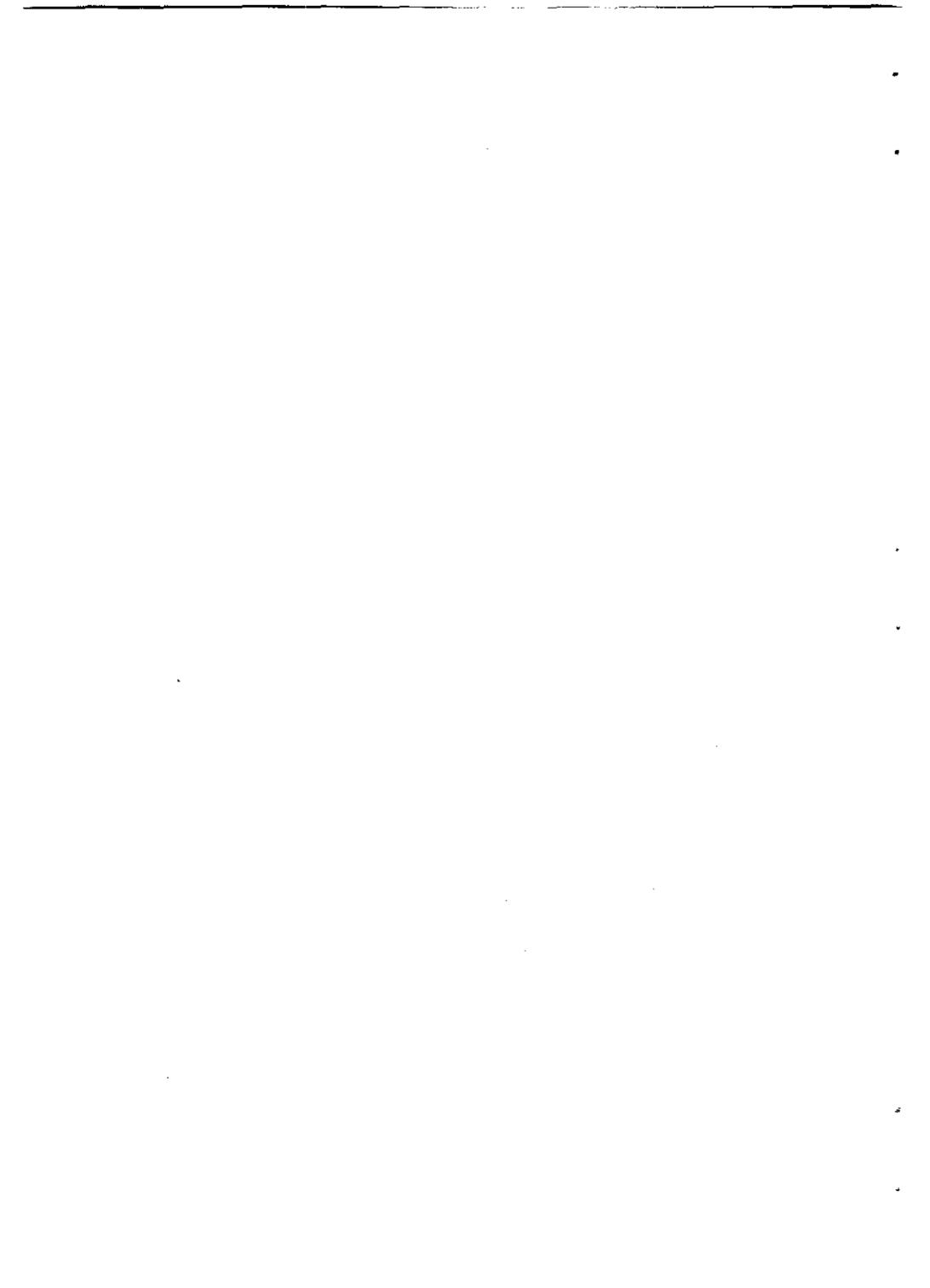
BULLETIN
of the
UNITED STATES
MILITARY ACADEMY

1949-1950



WEST POINT, NEW YORK





MAP OF
WEST POINT AND VICINITY

— ● —

A more detailed map of the Post proper will be found
in the pages following this map.

SALISBURY
MILLS

TO NEW

32

307

WEST POINT AND VICINITY



307

32

WOODBURY

WEST POINT

HIGHLAND
MILLS

Proctoria
Training Area
LAKE
GEORGINA

BULL POND

CAMP
BUCKNER
POPOLOPEN
LAKE

MINE
LAKE

STILLWELL
LAKE

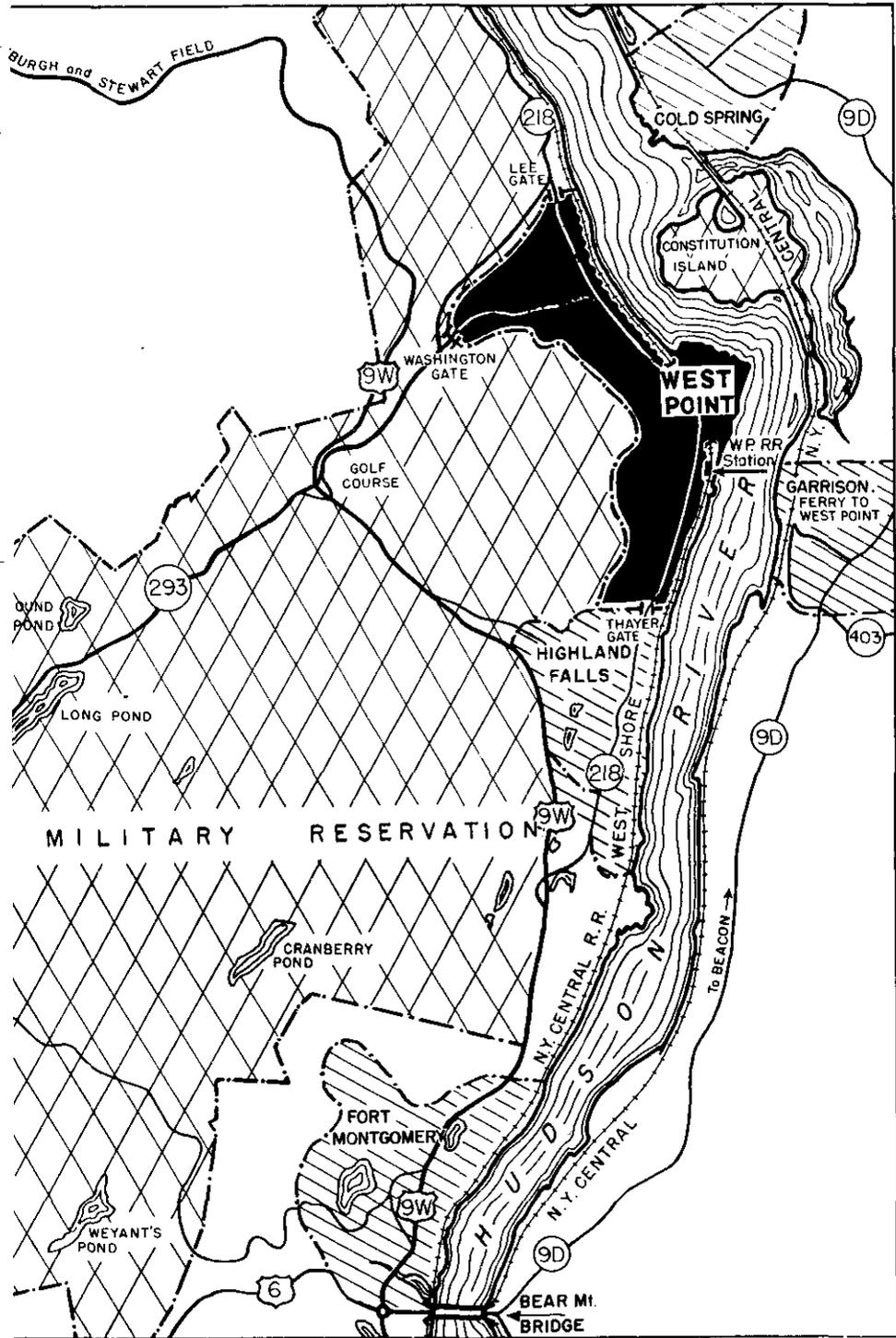
LAKE
FREDERICK

293

CENTRAL
VALLEY

32

6



BURGH and STEWART FIELD

218

GOLD SPRING

9D

LEE GATE

CONSTITUTION ISLAND

9W

WASHINGTON GATE

WEST POINT

WP RR Station

GOLF COURSE

GARRISON FERRY TO WEST POINT

293

ROUND POND

LONG POND

403

HIGHLAND FALLS

THAYER GATE

9D

MILITARY RESERVATION

9W

CRANBERRY POND

NY. CENTRAL R.R. (WEST SHORE)

To BEACON

FORT MONTGOMERY

9W

WEYANT'S POND

9D

6

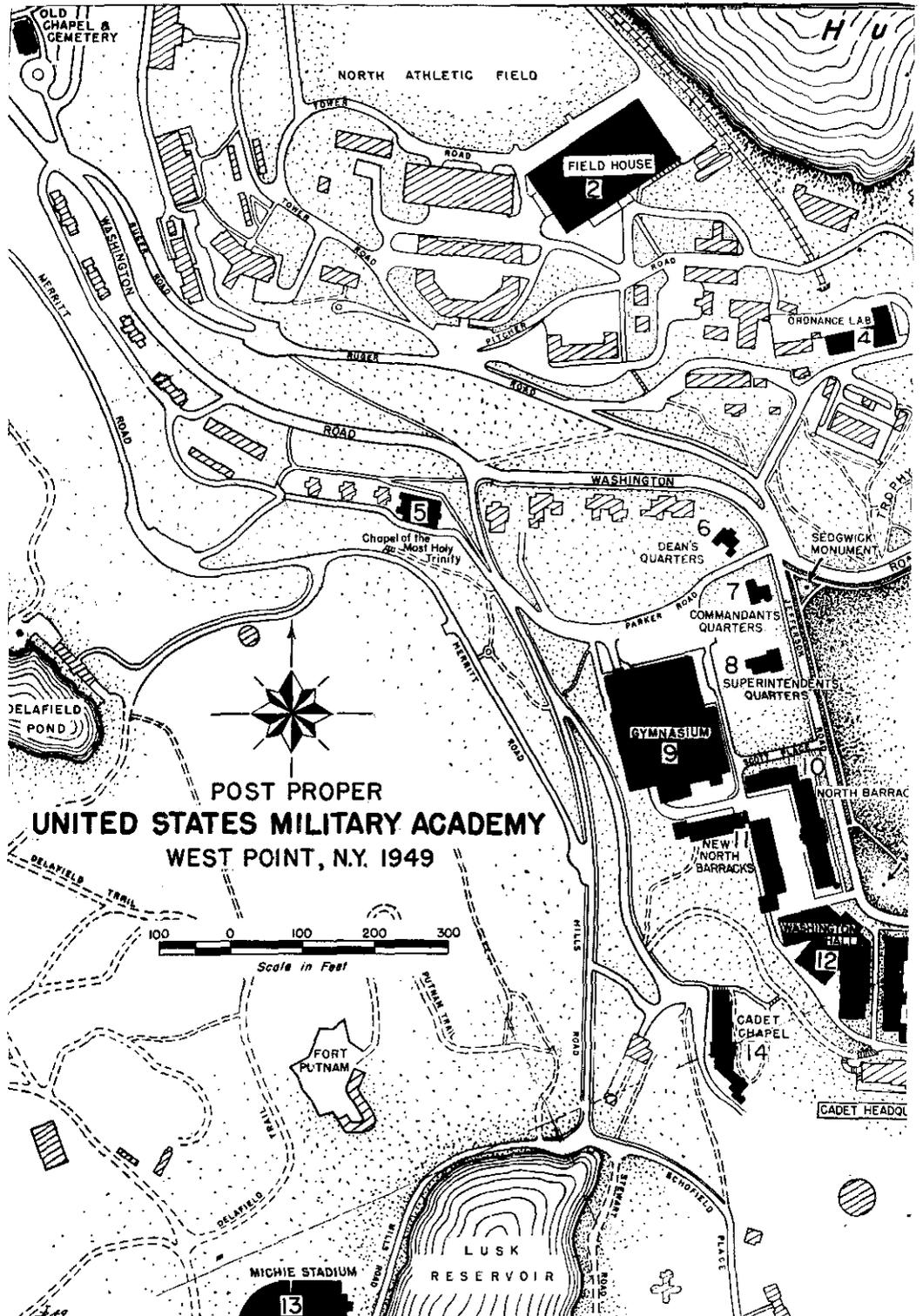
BEAR MT. BRIDGE



MAP OF THE POST PROPER



A map of West Point and vicinity will be found
in the pages immediately preceding.



OLD CHAPEL & CEMETERY

NORTH ATHLETIC FIELD

FIELD HOUSE 2

ORDNANCE LAB 4

Chapel of the Most Holy Trinity 15

DEAN'S QUARTERS 6

COMMANDANT'S QUARTERS 7

SUPERINTENDENT'S QUARTERS 8

GYMNASIUM 9

NEW NORTH BARRACKS

WASHINGTON HALL 12

CADET CHAPEL 14

CADET HEADQUARTERS

POST PROPER
UNITED STATES MILITARY ACADEMY
WEST POINT, N.Y. 1949



FORT PUTNAM

LUSK RESERVOIR

MICHIE STADIUM 13





BULLETIN

of the

UNITED STATES MILITARY ACADEMY

One hundred and forty-eighth year

1949 – 1950



Published by the Military Academy
West Point, New York

NOTE

— ● —

**Copy for this preliminary draft prepared as of
15 November, 1949**

CONTENTS

	PAGE
ACADEMIC CALENDAR	19
BOARD OF VISITORS	20
SUPERINTENDENTS OF THE MILITARY ACADEMY	22
ADMINISTRATION	25
STAFF AND FACULTY	29
MISSION	56
HISTORY	57
BUILDINGS AND GROUNDS	65
APPOINTMENTS AND ADMISSIONS	73
ADMISSION TO WEST POINT	73
APPOINTMENTS	74
GENERAL	74
SOURCES OF NOMINATION	74
NONCOMPETITIVE	75
VICE-PRESIDENTIAL	76
STATES AT LARGE AND CONGRESSIONAL DISTRICTS	76
TERRITORIES, DISTRICT OF COLUMBIA, AND PUERTO RICO	76
PANAMA CANAL ZONE	76

	PAGE
COMPETITIVE	76
REGULAR ARMY AND NATIONAL GUARD	76
PRESIDENTIAL	78
SONS OF DECEASED VETERANS	78
HONOR MILITARY SCHOOLS	78
SONS OF CONGRESSIONAL MEDAL OF HONOR WINNERS	79
FILIPINO CADETS	79
FOREIGN CADETS	79
“SECTION 2” QUALIFIED ALTERNATES AND QUALIFIED COMPETITORS	79
ENTRANCE REQUIREMENTS	80
GENERAL	80
AGE	80
CITIZENSHIP	80
CHARACTER	80
MARITAL STATUS	80
HEIGHT AND WEIGHT	80
ADMISSION DATE	81
ENGAGEMENT TO SERVE	81
EXAMINATION OF CANDIDATES	81
SCHOLASTIC	81
GENERAL	81

	PAGE
COMPETITIVE CANDIDATES	81
NONCOMPETITIVE CANDIDATES	81
REGULAR EXAMINATION	82
SECONDARY SCHOOL CERTIFICATE PLUS	
VALIDATING EXAMINATION	82
COLLEGE ENTRANCE EXAMINATION BOARD PLUS	
WEST POINT APTITUDE TEST	83
COLLEGE CERTIFICATE PLUS WEST POINT APTITUDE TEST	83
MEDICAL	84
PRELIMINARY PHYSICAL EXAMINATION	84
FINAL PHYSICAL EXAMINATION	84
VACCINATION	84
PHYSICAL APTITUDE	85
ENTRANCE EXAMINATIONS	87
MARCH	87
JUNE	88
MISCELLANEOUS	88
CANDIDATE'S SUBMISSION OF RECORDS	88
PREVIOUS QUALIFICATION	88
USMA PREPARATORY SCHOOL	88
PHYSICAL CONDITIONING	89
DEPOSIT UPON ENTRANCE	89

	PAGE
APPENDICES	89
PHYSICAL REQUIREMENTS	89
HEARING	89
VISION	90
TEETH	90
PHYSICAL PROPORTIONS	91
CAUSES FOR PHYSICAL DISQUALIFICATION	92
MENTAL EXAMINATION, SAMPLE QUESTIONS	94-101
GENERAL INFORMATION	102
DEPARTMENTS OF INSTRUCTION	103
ELECTRICITY	103
ENGLISH	105
FOREIGN LANGUAGES	107
LAW	109
MATHEMATICS	110
MECHANICS	112
MILITARY ART AND ENGINEERING	114
MILITARY HYGIENE	116
MILITARY TOPOGRAPHY AND GRAPHICS	117
ORDNANCE	119
PHYSICS AND CHEMISTRY	120
SOCIAL SCIENCES	121

	PAGE
TACTICS	124
MILITARY PSYCHOLOGY AND LEADERSHIP	125
PHYSICAL EDUCATION	126
PROGRAM OF STUDIES IN NATIONAL SECURITY	128
THE HONOR SYSTEM	130
THE APTITUDE SYSTEM	132
LECTURE PROGRAM	136
SUPERINTENDENT'S SERIES	136
SPECIAL LECTURES	137
DEPARTMENTAL LECTURES	140
THE LIBRARY	141
THE MUSEUM	143
ORGANIZATIONS AND ACTIVITIES	145
INTERCOLLEGIATE ATHLETICS	146
INTRAMURAL ATHLETICS	146
PRIZES AND DISTINCTIONS	148
THE RHODES SCHOLARSHIPS	152
ASSOCIATION OF GRADUATES	153
WEST POINT SOCIETIES	155
ORGANIZATION OF THE CORPS	158
DIRECTORY OF CADETS	159
INDEX	192

LIST OF ILLUSTRATIONS

THE CADET CHAPEL	64
NORTH BARRACKS	72
AERIAL VIEW OF THE POST	Following page 129

THE CALENDAR FOR 1949 - 1950

1949

JANUARY							MAY							SEPTEMBER									
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S			
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16	17	18	19	20	21	22	22	23	24	25	26	27	28	18	19	20	21	22	23	24			
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30	31			
30	31			

FEBRUARY							JUNE							OCTOBER									
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S			
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20	21	22	23	24	25	26	17	18	19	20	21	22	23	20	21	22	23	24	25	26		
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1950

JANUARY							MAY							SEPTEMBER							
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8	9	10	11	12	13	14	14	15	16	17	18	19	20	10	11	12	13	14	15	16	
15	16	17	18	19	20	21	21	22	23	24	25	26	27	17	18	19	20	21	22	23	
22	23	24	25	26	27	28	28	29	30	31	24	25	26	27	28	29	30	
29	30	31	
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FEBRUARY							JUNE							OCTOBER									
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..	29	30	31			
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MARCH							JULY							NOVEMBER									
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S			
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12	13	14	15	16	17	18	9	10	11	12	13	14	15	12	13	14	15	16	17	18			
19	20	21	22	23	24	25	16	17	18	19	20	21	22	19	20	21	22	23	24	25			
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APRIL							AUGUST							DECEMBER									
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S			
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9	10	11	12	13	14	15	13	14	15	16	17	18	19	10	11	12	13	14	15	16			
16	17	18	19	20	21	22	20	21	22	23	24	25	26	17	18	19	20	21	22	23			
23	24	25	26	27	28	29	27	28	29	30	31	..	..	24	25	26	27	28	29	30	
30	..	..	..	..	..	..	..	..	..	..	..	..	..	31	..	..	..	..	..	..
..			

ACADEMIC CALENDAR 1949-1950



1949

1 JULY.	<i>Friday.</i>	New Fourth Class enters.
18 AUGUST.	<i>Thursday.</i>	Re-examination of cadets deficient on second term-end examinations.
2 SEPTEMBER.	<i>Friday.</i>	Ex-cadets report for readmission.
5 SEPTEMBER.	<i>Monday.</i>	Labor Day. Classes suspended.
6 SEPTEMBER.	<i>Tuesday.</i>	First term begins.
11 NOVEMBER.	<i>Friday.</i>	Armistice Day. Classes suspended.
24 NOVEMBER.	<i>Thursday.</i>	Thanksgiving Day. Classes suspended.
22 DECEMBER.	<i>Thursday.</i>	First term ends at 1200 hours. Christmas leave for three upper classes begins.
23 DECEMBER.	<i>Friday.</i>	Term-end examinations begin.
27 DECEMBER.	<i>Tuesday.</i>	Term-end examinations completed.
29 DECEMBER.	<i>Thursday.</i>	Ex-cadets report for readmission.

1950

2 JANUARY.	<i>Monday.</i>	Christmas leave for three upper classes ends at 1730 hours.
3 JANUARY.	<i>Tuesday.</i>	Second term begins.
22 FEBRUARY.	<i>Wednesday.</i>	Washington's Birthday. Classes suspended.
7 MARCH.	<i>Tuesday.</i>	Entrance examinations begin.
14 MARCH.	<i>Tuesday.</i>	Re-examination of ex-cadets.
16 MARCH.	<i>Thursday.</i>	Spring leave for three upper classes begins at 1500 hours.
19 MARCH.	<i>Sunday.</i>	Spring leave for three upper classes ends at 1800 hours.
30 MAY.	<i>Tuesday.</i>	Memorial Day. Classes suspended.
1 JUNE.	<i>Thursday.</i>	Second term ends.
2 JUNE.	<i>Friday.</i>	Term-end examinations begin.
4 JUNE.	<i>Sunday.</i>	Baccalaureate Sunday.
5 JUNE.	<i>Monday.</i>	Term-end examinations completed.
6 JUNE.	<i>Tuesday.</i>	Graduation.
13 JUNE.	<i>Tuesday.</i>	Entrance examinations begin.
1 JULY.	<i>Saturday.</i>	New Fourth Class enters.

Leaves are granted during the months of June, July, and August as follows: First Class, three weeks; Second Class, four weeks; Third Class, four weeks.

BOARD OF VISITORS



The custom of a Board of Visitors for West Point goes back almost to the year of the founding of the Academy. On 1 July 1815 "A Regulation for the Government of the Military Academy," approved by Secretary of War William H. Crawford, provided for the appointment of a Board to consist of five "competent gentlemen," with the Superintendent as President, who should attend at each of the annual and semi-annual examinations of the Academy and report thereon to the Secretary.

The Boards are appointed at present under the provisions of an Act of Congress approved 29 June 1948. This act specifies that a Board of Visitors shall visit the Military Academy in April of each year and inquire into the state of morale and discipline, curriculum, instruction, physical equipment, fiscal affairs, academic methods, and other matters relating to the Academy which the Board may decide to consider, and submit a written report to the President giving its views and recommendations pertaining to the Academy. The personnel of the Board shall be as follows:

- a. The Chairman of the Committee on Armed Services of the Senate;
- b. Three other Members of the Senate to be appointed by the Vice-President, two of whom shall be members of the Committee on Appropriations of the Senate;
- c. The chairman of the Committee on Armed Services of the House of Representatives;
- d. Four other Members of the House of Representatives to be appointed by the Speaker of the House of Representatives, two of whom shall be members of the Committee on Appropriations of the House of Representatives;
- e. Six persons to be appointed by the President.

BOARD OF VISITORS 1949



BY THE PRESIDENT

To Serve Three Years (beginning 1949)

Dr. Irvin Stewart, President, University of West Virginia, Morgantown, West Virginia

Dr. Samuel N. Stevens, President, Grinnell College, Grinnell, Iowa

To Serve Two Years (beginning 1949)

Dean Frederick D. G. Ribble, Dean of the School of Law, University of Virginia, Charlottesville, Virginia

Honorable Tom Miller, Mayor of Austin, Texas

To Serve One Year

Dr. Uel W. Lamkin, Maryville, Missouri

Dr. Ben M. Cherrington, Social Science Foundation, University of Denver, Denver, Colorado

BY THE PRESIDENT OF THE SENATE

Senator Millard E. Tydings, Maryland (Designee to replace him for the April 1949 meeting: Senator Lester C. Hunt, Wyoming)

Senator Lister Hill, Alabama

Senator A. Willis Robertson, Virginia

Senator Chan Gurney, South Dakota

BY THE SPEAKER OF THE HOUSE OF REPRESENTATIVES

Representative Carl Vinson, Georgia (Designee to replace him for the April 1949 meeting: Representative Paul J. Kilday, Texas)

Representative Albert J. Engel, Michigan

Representative George H. Mahon, Texas

Representative Overton Brooks, Louisiana

Representative Herbert A. Meyer, Kansas

SUPERINTENDENTS

of the

UNITED STATES MILITARY ACADEMY



1. JONATHAN WILLIAMS
Major, Corps of Engineers . . . Apr. 15, 1802 to June 20, 1803
2. JONATHAN WILLIAMS¹
Lt. Col., Corps of Engineers . . . Apr. 19, 1805 to July 31, 1812
3. JOSEPH G. SWIFT
Colonel, Corps of Engineers . . . July 31, 1812 to Mar. 24, 1814
4. ALDEN PARTRIDGE
Capt., Corps of Engineers . . . Jan. 3, 1815 to July 28, 1817
5. SYLVANUS THAYER
Capt., Corps of Engineers . . . July 28, 1817 to July 1, 1833
6. RENE E. DERUSSY
Major, Corps of Engineers . . . July 1, 1833 to Sept. 1, 1838
7. RICHARD DELAFIELD
Major, Corps of Engineers . . . Sept. 1, 1838 to Aug. 15, 1845
8. HENRY BREWERTON
Capt., Corps of Engineers . . . Aug. 15, 1845 to Sept. 1, 1852
9. ROBERT E. LEE
Capt., Corps of Engineers . . . Sept. 1, 1852 to Mar. 31, 1855
10. JOHN G. BARNARD
Capt., Corps of Engineers . . . Mar. 31, 1855 to Sept. 8, 1856
11. RICHARD DELAFIELD
Major, Corps of Engineers . . . Sept. 8, 1856 to Jan. 23, 1861
12. PETER G. T. BEAUREGARD²
Capt., Corps of Engineers . . . Jan. 23, 1861 to Jan. 28, 1861
13. RICHARD DELAFIELD²
Major, Corps of Engineers . . . Jan. 28, 1861 to Mar. 1, 1861

Note.—The Superintendents of the Military Academy were selected from the Corps of Engineers until the passage of the law of July 13, 1866, which opened the Superintendency to the entire army. By the Act of June 12, 1866, the local rank of Colonel was conferred upon the Superintendent.

¹ Major Williams resigned June 20, 1803, on a point of command, and pending its settlement on April 19, 1805, when he again returned to service as Chief Engineer, no permanent Superintendent of the Military Academy was appointed, the command devolving upon the senior officer of the Corps of Engineers present for duty.

² Captain P. G. T. Beauregard, Corps of Engineers, by order of John B. Floyd, Secretary of War, relieved Major Delafield, Jan. 23, 1861, from the Superintendency of the Military Academy, but was himself displaced five days later, Jan. 28, 1861, by direction of the succeeding Secretary of War Joseph Holt, the command again devolving upon Major Delafield.

14.	ALEXANDER H. BOWMAN Major, Corps of Engineers	Mar. 1, 1861 to July 8, 1864
15.	ZEALOUS B. TOWER Major, Corps of Engineers	July 8, 1864 to Sept. 8, 1864
16.	GEORGE W. CULLUM Lt. Col., Corps of Engineers	Sept. 8, 1864 to Aug. 28, 1866
17.	THOMAS G. PITCHER Colonel, 44th Infantry	Aug. 28, 1866 to Sept. 1, 1871
18.	THOMAS H. RUGER Colonel, 18th Infantry.....	Sept. 1, 1871 to Sept. 1, 1876
19.	JOHN M. SCHOFIELD Major Gen., U. S. Army	Sept. 1, 1876 to Jan. 21, 1881
20.	OLIVER O. HOWARD Brig. Gen., U. S. Army.....	Jan. 21, 1881 to Sept. 1, 1882
21.	WESLEY MERRITT Colonel, 5th Cavalry	Sept. 1, 1882 to July 1, 1887
22.	JOHN G. PARKE Colonel, Corps of Engineers	Aug. 28, 1887 to June 24, 1889
23.	JOHN M. WILSON Lt. Col., Corps of Engineers	Aug. 26, 1889 to Mar. 31, 1893
24.	OSWALD H. ERNST Major, Corps of Engineers	Mar. 31, 1893 to Aug. 21, 1898
25.	ALBERT L. MILLS 1st Lt., 1st Cavalry	Aug. 22, 1898 to Aug. 31, 1906
26.	HUGH L. SCOTT Major, 14th Cavalry	Aug. 31, 1906 to Aug. 31, 1910
27.	THOMAS H. BARRY Major Gen., U. S. Army	Aug. 31, 1910 to Aug. 31, 1912
28.	CLARENCE P. TOWNSLEY Colonel, Coast Artillery Corps	Aug. 31, 1912 to June 30, 1916
29.	JOHN BIDDLE Colonel, Corps of Engineers	July 1, 1916 to May 31, 1917
30.	SAMUEL E. TILLMAN Colonel, U. S. Army	June 13, 1917 to June 11, 1919
31.	DOUGLAS MACARTHUR Brig. Gen., U. S. Army	June 12, 1919 to June 30, 1922
32.	FRED W. SLADEN Brig. Gen., U. S. Army	July 1, 1922 to Mar. 23, 1926
33.	MERCH B. STEWART Brig. Gen., U. S. Army	Mar. 24, 1926 to Oct. 5, 1927
34.	EDWIN B. WINANS Major Gen., U. S. Army	Oct. 23, 1927 to Feb. 25, 1928
35.	WILLIAM R. SMITH Major Gen., U. S. Army	Feb. 26, 1928 to Apr. 30, 1932

- 36. WILLIAM D. CONNOR
Major Gen., U. S. Army..... May 1, 1932 to Jan. 17, 1938
- 37. JAY L. BENEDICT
Brig. Gen., U. S. Army..... Feb. 5, 1938 to Nov. 17, 1940
- 38. ROBERT L. EICHELBERGER
Brig. Gen., U. S. Army..... Nov. 18, 1940 to Jan. 12, 1942
- 39. FRANCIS B. WILBY
Major Gen., U. S. Army..... Jan. 13, 1942 to Sept. 4, 1945
- 40. MAXWELL D. TAYLOR
Major Gen., U. S. Army..... Sept. 5, 1945 to Jan. 28, 1949
- 41. BRYANT E. MOORE
Major Gen., U. S. Army..... Jan. 28, 1949 to

ADMINISTRATION



The United States Military Academy is under the general direction and supervision of the Department of the Army. The Secretary of the Army has designated the Chief of Staff as the officer in direct charge of all matters pertaining to the Academy.

The immediate government and military command of the Academy and the military post at West Point are vested in the Superintendent. Subordinate to the Superintendent is the Dean of the Academic Board who has charge of the faculty and all academic work; and who acts as representative of the academic departments and as adviser on academic matters to the Superintendent. The administration and training of the Corps of Cadets is in charge of the Commandant of Cadets, who is also head of the Department of Tactics.

Superintendent: MAJOR GENERAL BRYANT E. MOORE, USA; B.S.;
NWC.

Office: Administration Building.

Aide-de-camp and Secretary to General Staff: 1ST LT. RICHARD
H. MAEDER, INF; B.S.

Office: Administration Building.

Dean of the Academic Board: BRIGADIER GENERAL HARRIS JONES,
USA; B.S. (USMA), B.S. (M.I.T.); ES.

Office: Administration Building.

Assistant to the Dean: MAJOR THOMAS W. BROWN, INF; B.S.

Office: Administration Building.

Commandant of Cadets: COLONEL PAUL D. HARKINS, CAV; B.S.;
NWC.

Office: Cadet Headquarters, Central Barracks.

Assistant Commandant: LT. COL. JOHN K. WATERS, CAV; B.S.;
C&GS, AFSC.

Office: Cadet Headquarters, Central Barracks.

ACADEMIC BOARD

MAJOR GENERAL BRYANT E. MOORE, USA; B.S.; NWC.
Superintendent, USMA, and President of the Board.

BRIG. GEN. HARRIS JONES, USA; B.S. (USMA), B.S. (M.I.T.); ES.
Dean of the Board.

NOTE: For explanation of abbreviations see pp. 29-30.

- COLONEL HERMAN BEUKEMA, B.S., D.Sc., LL.D. (2)
 Professor and Head of the Department of Social Sciences.
Office: 203 West Academic Building.
- COLONEL OSCAR J. GATCHELL, B.S.; *NWC*.
 Professor and Head of the Department of Mechanics.
Office: 300 East Academic Building.
- COLONEL GERALD A. COUNTS, B.S. (USMA), B.S. (M.I.T.).
 Professor and Head of the Department of Physics and Chemistry.
Office: 129 East Academic Building.
- COLONEL THOMAS D. STAMPS, B.A., B.S. (USMA), B.S. (M.I.T.);
C&GS.
 Professor and Head of the Department of Military Art and Engineering.
Office: 429 East Academic Building.
- COLONEL JOHN W. COFFEY, B.S.; *NWC*.
 Professor and Head of the Department of Ordnance.
Office: 400 West Academic Building.
- COLONEL WILLIAM W. BESSELL, JR., B.S., C.E.; *NWC*.
 Professor and Head of the Department of Mathematics.
Office: 332 West Academic Building.
- COLONEL LAWRENCE E. SCHICK, B.S.; *NWC*.
 Professor and Head of the Department of Military Topography
 and Graphics.
Office: 503 Washington Hall.
- COLONEL CHARLES W. WEST, B.S., LL.B.
 Professor and Head of the Department of Law.
Office: 300 West Academic Building.
- COLONEL CHARLES J. BARRETT, B.S.; *NWC*.
 Professor and Head of the Department of Foreign Languages.
Office: 329 East Academic Building.
- COLONEL PAUL D. HARKINS, CAV; B.S.; *NWC*.
 Commandant of Cadets and Head of the Department of Tactics.
Office: Cadet Headquarters, Central Barracks.
- COLONEL CHARLES L. KIRKPATRICK, MC; B.S., M.A., M.D.; *C&GS*.
 Surgeon, and Professor and Head of the Department of Military
 Hygiene.
Office: Hospital, First Floor.
- COLONEL BOYD W. BARTLETT, B.A., B.S., PH.D., Sc.D.
 Professor and Head of the Department of Electricity.
Office: 200 East Academic Building.
- COLONEL ROBERT S. NOURSE, AGD; B.S.; *AFSC*.
 Adjutant General, USMA, and Secretary of the Board.
Office: Administration Building.

COLONEL GEORGE R. STEPHENS, B.A., PH.D.
Professor and Head of the Department of English.
Office: 420 West Academic Building.

GENERAL STAFF

Chief of Staff: COLONEL JOHN J. MORROW, USAF; B.S.; NWC.
Office: Administration Building.
Assistant Chief of Staff, G-1: COLONEL LEO V. WARNER, GSC;
B.S.; AFSC.
Office: Administration Building.
Assistant Chief of Staff, G-2/G-3: COLONEL PERRY MCC. SMITH,
GSC; B.S.; C&GS, AFSC.
Office: Administration Building.
Assistant Chief of Staff, G-4: COLONEL NUMA A. WATSON, GSC;
B.S.; AFSC.
Office: Administration Building.
Assistant G-4: LT. COL. JOSEPH R. RUSS, INF; B.S.; C&GS.
Office: Administration Building.

SPECIAL STAFF

Adjutant General of the Military Academy and of the Post; Secretary of the Academic Board: COLONEL ROBERT S. NOURSE,
AGD; B.S.; AFSC.
Office: Administration Building.
Chaplain, USMA: FRANK E. PULLEY, Graduate in Divinity.
Office: North Barracks, First Floor.
Director of Museum: COLONEL ALLEN L. KEYES, FA; B.S., M.A.;
C&GS.
Office: Museum, Administration Building.
Finance Officer: MAJOR RAY C. LEWIS, FD; B.S.
Office: Administration Building.
Fiscal Officer: COLONEL HARRY W. CRANDALL, FD; B.S.; AFSC.
Office: Administration Building.
Inspector General: COLONEL H. CRAMPTON JONES, IGD; B.S.; AFSC.
Office: Administration Building.
Librarian: LT. COL. WILLIAM J. MORTON, JR.; B.S.; Certificat
d'Etudes Francaises, University of Geneva, Switzerland.
Office: The Library.
Post Chemical and Post Ordnance Officer: LT. COL. OREN E. HURL-
BUT, ORD; B.S.; C&GS.
Office: Ordnance Laboratory.
Post Engineer: LT. COL. DONALD A. PHELAN, CE; B.S., M.S.;
C&GS, AFSC.
Office: Utilities Building.

Post Exchange Officer: MAJOR DAYTON C. BEVERLY, SPS; C&GS.
Office: Utilities Building.

Post Quartermaster: LT. COL. TRAVIS T. BROWN, QMC; B.S.; AWC.
Office: Utilities Building.

Post Signal Officer: LT. COL. WINFIELD L. MARTIN, SIGC; B.S.;
C&GS.
Office: Administration Building.

Provost Marshal: LT. COL. EDWIN N. HOWELL, CMP; B.S.; C&GS.
Office: Military Police Barracks.

Public Information Officer: LT. COL. WILLIAM G. PROCTOR, INF;
B.S.; C&GS.
Office: North Gymnasium.

Registrar: ROBERT A. TIMBERS, B.A.
Office: Administration Building.

Secretary-Treasurer, Association of Graduates: COLONEL CHARLES
N. BRANHAM, CAC; B.S.; AAAS.
Office: Cullum Hall.

Special Services Officer: LT. COL. ARTHUR W. GUSTAFSON, SPS; B.S.
Office: North Gymnasium.

Staff Judge Advocate: LT. COL. EDWARD J. BURKE, JAGC; B.S.,
LL.B.; AFSC.
Office: 300 West Academic Building.

Surgeon: COLONEL CHARLES L. KIRKPATRICK, MC; B.S., M.A., M.D.;
C&GS.
Office: Hospital, First Floor.

Transportation Officer: LT. COL. RICHARD D. MEYER, TC; B.S., M.S.;
C&GS, AFSC.
Office: Utilities Building.

Treasurer: COLONEL ROBERT G. GARD, FA; B.S.; NWC.
Office: Washington Hall, First Floor.

STAFF AND FACULTY



The entries have name, rank, branch of service, academic degrees, and graduation from postgraduate schools of military art and science. This last is shown by abbreviations of the names of these schools in capital italic letters.

Schools of military art and science are of three postgraduate levels. Where graduation is shown from a school or schools of the third, or highest, level it indicates that the requirements of the schools in the first and second levels have been met; where from a school or schools of the second level that the requirements of the schools in the first level have been met.

The following list gives the names of the schools mentioned in this catalogue, beginning with the first, or lowest, level. The abbreviations are those used in the entries.

1. *Special Service School level: Studies in the tactics and techniques of an arm or service:*

- AAAS Anti-aircraft Artillery School
- AS Artillery School, Fort Sill, Oklahoma
- ATS Air Tactical School, Tyndall Air Force Base, Florida
- CS Chemical School, Edgewood Arsenal, Maryland
- ES Engineer School, Fort Belvoir, Virginia
- IS Infantry School, Fort Benning, Georgia
- IT U. S. Air Force Institute of Technology, Wright-Patterson
Air Force Base, Dayton, Ohio
- OS Ordnance School, Aberdeen Proving Ground, Maryland
- QS Quartermaster School, Camp Lee, Virginia
- SS Signal School, Fort Monmouth, New Jersey
- TS Transportation School, Fort Eustis, Virginia

2. *Command and Staff level: Studies in command and staff work, including joint operations:*

- AC&S Air Command and Staff School, Maxwell Air Force Base,
Alabama
- AFSC Armed Forces Staff College, Norfolk, Virginia
- C&GS Command and General Staff College, Fort Leavenworth,
Kansas

3. *War College level: Studies in the highest echelons of command and staff work:*

- AWC Air War College, Maxwell Air Force Base, Alabama
- ICAF Industrial College of the Armed Forces, Fort McNair,
District of Columbia

NWC National War College, Fort McNair, District of Columbia

ABBREVIATIONS USED FOR BRANCH OF SERVICE:

AGD	Adjutant General's Department
ANC	Army Nurse Corps
CAC	Coast Artillery Corps
CAV	Cavalry
CE	Corps of Engineers
CH	Chaplain
CMLC	Chemical Corps
CMP	Corps of Military Police
DC	Dental Corps
FA	Field Artillery
FD	Finance Department
GSC	General Staff Corps
INF	Infantry
JAGC	Judge Advocate General's Corps
MC	Medical Corps
MSC	Medical Service Corps
ORD	Ordnance
OTM	Officer-Teacher of Music
QMC	Quartermaster Corps
SIGC	Signal Corps
SFS	Special Services
TC	Transportation Corps
USA	U. S. Army
USAF	U. S. Air Force
USMC	U. S. Marine Corps
USN	U. S. Navy
VC	Veterinary Corps
WAC	Women's Army Corps
WMSC	Women's Medical Specialist Corps

GENERAL AND SPECIAL STAFF ABBREVIATIONS:

G-1, S-1	Section in charge of Personnel
G-2, S-2	Section in charge of Intelligence
G-3, S-3	Section in charge of Operations and Training
G-4, S-4	Section in charge of Supply and Evacuation

	Reported West Point
ADAIR, THEODORE F. G., 1ST LT., INF; B.S. <i>Instructor in English</i>	15 Jun. '49
ADDINGTON, JERRY S., LT. COL., FA; B.S.; C&GS <i>Assistant Professor of Electricity</i>	1 Sep. '46
ALEXANDER, CHARLES R., CAPT., QMC <i>Assistant to Quartermaster</i>	2 Oct. '46
ALFONTE, JAMES M., 1ST LT., FA; B.S. <i>Instructor in English</i>	15 Jul. '49
ALGERMISSEN, ROBERT L., CAPT., USAF; B.S. <i>Instructor in Mathematics</i>	17 Sep. '49
ALSPACH, RUSSELL K., LT. COL.; B.A., PH.D. <i>Professor of English</i>	1 Jul. '47
ALTENHOFEN, MATTHEW J., LT. COL., CE; B.S., M.S.; ES <i>Instructor in Mathematics</i>	2 Jul. '48
AMEN, PAUL J.; B.S., M.A. <i>Head Baseball Coach</i>	1 May '47
ANDERSON, GLENN P., JR., LT. COL., USAF; B.S.; C&GS <i>Assistant Professor of Mathematics</i>	5 Aug. '46
ANDERSON, JOHN M., MAJOR, USAF; B.S.; ATS <i>Instructor in Military Topography and Graphics</i>	10 Jul. '46
ANDREWS, THEODORE H., LT. COL., INF; B.S.; C&GS <i>Instructor in Military Psychology and Leadership, Department of Tactics</i>	1 Feb. '48
ANDRUS, BURTON C., JR., LT. COL., USAF; B.S.; C&GS <i>Cadet Company Tactical Officer</i>	16 Jun. '49
APPLETON, LLOYD O.; B.A., PH.D. <i>Assistant to the Director of Physical Education, Department of Tactics</i>	1 Jul. '36
ARCHAMBEAU, DOLORES M., 1ST LT., ANC; R.N., B.S. <i>Hospital Staff</i>	1 Sep. '49
ARISON, HAROLD L., JR., CWO; B.S. <i>Assistant Bandleader, USMA Band, 1802d Special Regiment</i>	20 Sep. '48
ARNOLD, ROBERT B., MAJOR, CAV; B.S., M.S.; C&GS <i>Assistant Professor of Physics and Chemistry</i>	22 Dec. '42
BAHLS, ROY A., 1ST LT., USAF; B.S. <i>Instructor in Mathematics</i>	23 Jun. '48
BAILEY, EDWARD A., LT. COL., FA; B.S.; AS <i>Assistant Professor of Social Sciences</i>	1 Mar. '46
BARBER, HENRY A., III, MAJOR, INF; B.S. <i>Instructor in Social Sciences</i>	11 Nov. '47
BARGER, DAVID H., MAJOR, USAF; B.S. <i>Assistant to G-2/G-3</i>	7 Feb. '49

	Reported West Point
BARRETT, CHARLES J., COL.; B.S.; NWC..... <i>Professor and Head of Department of Foreign Languages</i>	1 Jul. '47
BARTHLE, ROBERT C., MAJOR, SIGC; B.S., M.S.; C&GS.....	2 Sep. '47
<i>Instructor in Electricity</i>	
BARTLETT, BOYD W., COL.; B.A., B.S., PH.D., Sc.D.	1 Jun. '42
<i>Professor and Head of Department of Electricity</i>	
BEACH, JOHN B., CAPT., INF; B.S., M.S.; IS	1 Jul. '49
<i>Instructor in Physics and Chemistry</i>	
BECKER, ARNOLD B., MAJOR, DC; D.D.S.	8 Dec. '47
<i>Hospital Staff</i>	
BEILER, DAVID D., 1ST LT., MC; B.A., M.D.	1 Oct. '49
<i>Hospital Staff</i>	
BENNETT, DONALD V., LT. COL., FA; B.S.....	25 Jul. '46
<i>Brigade Staff, S-3, Department of Tactics</i>	
BENNETT, JOHN C., 1ST LT., INF; B.S.	1 Jul. '49
<i>Instructor in English</i>	
BESSELL, WILLIAM W., JR., COL.; B.S., C.E.; NWC.....	31 Jul. '47
<i>Professor and Head of Department of Mathematics</i>	
BESTERVELT, HAROLD J., MAJOR, USAF; B.S.	23 Dec. '46
<i>Instructor in Mechanics</i>	
BETTS, CURTIS F., MAJOR, USAF; B.S.	17 Jun. '48
<i>Instructor in Foreign Languages</i>	
BEUKEMA, HERMAN, COL.; B.S., D.Sc., LL.D. (2); C&GS	24 Aug. '28
<i>Professor and Head of Department of Social Sciences</i>	
BEVERLY, DAYTON C., MAJOR, SPS; C&GS	21 Dec. '48
<i>Post Exchange Officer</i>	
BLAIK, EARL H.; B.A., B.S.	31 Oct. '28
<i>Director of Athletics and Head Football Coach</i>	
BLENCOE, SHIRLEY G., MAJOR, SIGC; B.S.; C&GS.....	13 Feb. '49
<i>Assistant Signal Officer</i>	
BLUE, DOUGLAS K., MAJOR, CE; B.S. (Union College), B.S. (USMA), M.S.; ES.....	2 Jul. '48
<i>Instructor in Mechanics</i>	
BOGER, MARTHA M., CAPT., WMSC; B.S., M.A.....	20 Sep. '48
<i>Hospital Staff</i>	
BOLZ, HENRY H., JR., 1ST LT., TC; B.S.....	6 Oct. '47
<i>1802d Special Regiment</i>	
BOSWELL, HENRY, JR., LT. COL., QMC; B.S., M.B.A.....	1 Apr. '49
<i>Assistant to the Treasurer</i>	
BOWER, LAURENCE R., COL., VC; D.V.M.	7 Jul. '49
<i>Post Veterinarian</i>	
BOWERS, DOROTHEA V., 1ST LT., ANC; R.N., B.S.....	11 Oct. '48
<i>Hospital Staff</i>	

BOWLBY, HERBERT M., JR., MAJOR, INF; B.S., M.A.; C&GS	27 Aug. '46
<i>Instructor in Social Sciences</i>	
BOWMAN, JOSEPHUS A., LT. COL., USAF; B.S., M.P.A.; AC&S	14 Jun. '48
<i>Instructor in Social Sciences</i>	
BOYS, RICHARD C., COL., USAF; B.S.; C&GS	19 Jul. '48
<i>Assistant Professor of Military Art and Engineering</i>	
BRANHAM, CHARLES N., COL., CAC; B.S.; AAAS	10 Dec. '45
<i>Secretary-Treasurer, Association of Graduates</i>	
BRISTER, JANE G., 1ST LT., WAC; B.A.	6 Dec. '48
<i>Hospital Staff</i>	
BROSHOUS, CHARLES R., LT. COL.; B.S., M.S.; C&GS, AFSC	1 Mar. '46
<i>Professor of Military Topography and Graphics</i>	
BROWN, EDWIN W., LT. COL., USAF; B.S., M.S.; ATS	12 Jun. '47
<i>Instructor in Physics and Chemistry</i>	
BROWN, THOMAS W., MAJOR, INF; B.S.	27 Jun. '48
<i>Assistant to the Dean</i>	
BROWN, TRAVIS T., LT. COL., QMC; B.S.; AWC	2 Jul. '49
<i>Post Quartermaster</i>	
BRUCE, ROBERT M.; B.A., M. ED.	3 Sep. '46
<i>Instructor in Physical Education, Department of Tactics</i>	
BUCKHOLTS, PAUL O., LT. COL., USAF; B.A., M.A.; C&GS	19 Jun. '48
<i>Assistant Professor of Social Sciences</i>	
BUCKNER, JOHN H., MAJOR, USAF; B.S.	15 May '46
<i>Instructor in Physical Education, Department of Tactics</i>	
BURCHFIELD, EVALYN G., CAPT., ANC; R.N.	29 Aug. '49
<i>Hospital Staff</i>	
BURKE, EDWARD J., LT. COL., JAGC; B.S., LL.B.; AFSC	15 Jun. '49
<i>Staff Judge Advocate</i>	
BURTON, WILFRED C., CAPT., CAC; B.S., M.A.	10 Jun. '45
<i>Assistant Professor of English</i>	
BUYERS, JOHN F., CAPT., CE; B.S., M.S.; ES	5 Jun. '47
<i>Instructor in Mechanics</i>	
BYRNE, JOHN D., LT. COL., FA; B.S.; C&GS	24 May '49
<i>Instructor in English</i>	
CABANISS, JELKS H., JR., CAPT., FA; B.S., M.S.	1 Sep. '49
<i>Instructor in Mathematics</i>	
CALYER, PETER D., COL., INF; B.S.; C&GS	12 Jul. '46
<i>Associate Professor of Mathematics</i>	
CARY, RANDOLPH J., CAPT., INF; B.S.	15 Sep. '48
<i>Instructor in Law</i>	
CHABOT, FELIX J., CAPT., MSC	15 May '49
<i>Commanding Officer, Medical Detachment, 1802d Special Regiment</i>	

	Reported West Point
CHALMERS, GORDON H. <i>Head Swimming Coach</i>	1 Sep. '46
CHEADLE, GEOFFREY, 1ST LT., USAF; B.S., M.S. <i>Instructor in Electricity</i>	17 Mar. '48
CHEEK, ANDREW R., MAJOR, CAV; B.S.; C&GS..... <i>1802d Special Regiment</i>	26 Jul. '49
CHERRY, HENRY T., JR., LT. COL., CAV; B.S.; C&GS, AFSC <i>1802d Special Regiment</i>	30 Jun '48
CHRISTY, JAMES V., CAPT., INF; B.S. <i>Instructor in Foreign Languages</i>	13 Dec. '46
CLAPSADDLE, CLARENCE W., JR., LT. COL., FA; B.S., M.A.; AS <i>Instructor in Social Sciences</i>	22 Aug. '48
CLARK, MILTON H., LT. COL., ORD; B.S.; C&GS..... <i>Assistant Professor of Ordnance</i>	24 Jun. '48
CLARK, WILLIAM D., 1ST LT., INF; B.S..... <i>Aide-de-Camp</i>	1 Jul. '48
CLEVELAND, JOHN A., JR., LT. COL., INF; B.S.; C&GS <i>Associate Professor and Administrative Officer, Department of Foreign Languages</i>	8 Jul. '48
CLOCK, RAYMOND M., LT. COL., CE; B.S., M.S.; C&GS <i>Assistant Professor of Mechanics</i>	7 Jun. '47
COATES, CHARLES E., JR., MAJOR, INF; B.S..... <i>Assistant Professor of Mechanics</i>	1 Sep. '46
COFFEY, JOHN W., COL.; B.S.; NWC <i>Professor and Head of Department of Ordnance</i>	1 May '47
COLLINS, ARTHUR S., JR., LT. COL., INF; B.S.; C&GS, AFSC <i>Executive Officer, First Regiment Department of Tactics</i>	1 Jun. '48
CONANT, RALPH E., MAJOR, MC; B.A., M.D..... <i>Hospital Staff</i>	26 Jun. '49
CONNELLY, STANLEY W., LT. COL., ORD; B.S., M.S.; C&GS... <i>Instructor in Ordnance</i>	10 Jul. '48
COOPER, GEORGE W., MAJOR, INF; B.S.; C&GS..... <i>Brigade Staff, S-1, Department of Tactics</i>	26 Jun. '48
COREY, JOHN B. W., JR., LT. COL., CE; B.S., M.S.; C&GS, AFSC <i>Instructor in Military Art and Engineering</i>	23 Jun. '48
CORONA, ARTURO, MAJOR (Mexican Army); B.S..... <i>Instructor in Foreign Languages</i>	21 Jul. '49
COSAND, HENRY C., 1ST LT., MC; B.A., M.D..... <i>Hospital Staff</i>	15 Aug. '49
COSGROVE, JAMES J., LT. COL., QMC; B.S., M.A.; C&GS..... <i>Assistant to the Treasurer</i>	18 Sep. '48

	Reported West Point
COUNTS, GERALD A., COL.; B.S. (USMA), B.S. (M.I.T.) <i>Professor and Head of Department of Physics and Chemistry</i>	11 Aug. '31
COURTNEY, JOHN J., JR., MAJOR, USAF; B.S.; <i>ATS</i> <i>Instructor in Mathematics</i>	3 Aug. '46
COVELL, CRANSTON E., MAJOR, CAC; B.A., M.A. <i>Assistant Director Military Psychology and Leadership, Department of Tactics</i>	10 Feb. '45
COVER, WILLIAM W., CAPT., FA; B.S.; <i>AS</i> <i>Adjutant, USMA Preparatory School 1802d Special Regiment</i>	10 Jul. '49
COYNE, CATHERINE V., MAJOR, ANC; R.N. <i>Principal Chief Nurse, Hospital Staff</i>	15 Oct. '49
CRANDALL, HARRY W., COL., FD; B.S.; <i>AFSC</i> <i>Fiscal Officer</i>	10 Nov. '47
CRAWFORD, ROSCOE C., JR., LT. COL., USAF; B.S.; <i>C&GS</i> <i>Assistant Professor of Military Topography and Graphics</i>	17 Jun. '46
CRITTENBERGER, WILLIS D., JR., LT. COL., FA; B.S.; <i>AS</i> <i>Cadet Company Tactical Officer</i>	15 Jul. '49
CROUCH, HENRY L., JR., LT. COL., USAF; B.S.; <i>AC&S, C&GS</i> <i>Cadet Company Tactical Officer</i>	7 Jun. '48
CROWLEY, JOHN D., JR., LT. COL., INF; B.S.; <i>IS</i> <i>Instructor in Foreign Languages</i>	6 Jul. '48
CROWN, FRANCIS J., LT. COL., CE; B.S., M.S.; <i>ES</i> <i>Assistant to Post Engineer</i>	20 Jul. '48
CRYSTAL, THOMAS L., JR., COL., USAF; B.S., M.A.; <i>C&GS, AFSC</i> <i>Assistant Professor of Social Sciences</i>	15 Dec. '45
CULLINANE, DANIEL B., JR., CAPT., INF; B.S. <i>Cadet Company Tactical Officer</i>	10 Jan. '49
CUMMING, WILLIAM F., MAJOR, QMC; B.S. <i>Assistant to Quartermaster</i>	12 Jul. '48
CUTRONA, JOSEPH F. H., CAPT., FA; B.A., B.S., M.A. <i>Assistant Public Information Officer</i>	22 Jun. '49
DARNELL, CARL, JR., LT. COL., FA; B.S.; <i>C&GS, AFSC</i> <i>1802d Special Regiment</i>	23 Jul. '48
DAVIS, CHARLES J., CAPT., CE; B.S. <i>Instructor in Electricity</i>	1 Sep. '47
DAVIS, DON, MAJOR, INF; B.S.; <i>C&GS</i> <i>Brigade Staff, Assistant S-4, Department of Tactics</i>	24 May '48
DAVIS, JOHN N., LT. COL., INF; B.S.; <i>IS</i> <i>Instructor in Military Psychology and Leadership, Department of Tactics</i>	19 Sep. '48

	Reported West Point
DAY, DONALD P., MAJOR, QMC; B.A., M.A.	14 Sep. '43
<i>Assistant Professor of Foreign Languages</i>	
DEATHERAGE, JAMES F., CAPT., CE; B.S.	1 Sep. '46
<i>Instructor in Physics and Chemistry</i>	
DEITZ, ESTILL N., CAPT., MC; M.D.	8 Aug. '49
<i>Hospital Staff</i>	
DE LORENZO, JOSEPH J., WOJG	31 Dec. '48
<i>1802d Special Regiment</i>	
DIXON, ROBERT T., MAJOR, INF; B.S.; IS	15 Sep. '48
<i>Instructor in English</i>	
DONALDSON, JOHN W., CAPT., INF; B.S.	6 Oct. '46
<i>Instructor in Foreign Languages</i>	
DREWES, BARRY H., 2D LT., AGD; B.S., M.S.	10 Apr. '43
<i>Assistant Bandmaster, USMA Band, 1802d Special Regiment</i>	
DUKE, CHARLES M., LT. COL., CE; B.S., M.S.; ES	18 Jul. '47
<i>Assistant Professor of Military Art and Engineering</i>	
DUNN, EDWARD C., LT. COL., CAV; B.S.; AS	20 Sep. '46
<i>Assistant Professor of Social Sciences</i>	
DURBIN, ROLLIN B., LT. COL., INF; B.S.; C&GS	17 Apr. '47
<i>Assistant Professor of Law</i>	
EASLEY, PRESTON W., CAPT., USAF; B.S.; ATS	20 Jul. '49
<i>Instructor in Law</i>	
EASTBURN, CHARLES P., LT. COL., INF; B.S.; C&GS	17 Jul. '48
<i>Assistant Professor of Military Art and Engineering</i>	
EDGER, ROBERT H., MAJOR, ORD; B.S.	15 Jun. '47
<i>Instructor in Ordnance</i>	
EDWARDS, EDMUND B., MAJOR, USAF; B.S.	13 Mar. '49
<i>Cadet Company Tactical Officer</i>	
EISENHOWER, JOHN S. D., CAPT., INF; B.S.	3 Dec. '47
<i>Instructor in English</i>	
ELLIOTT, PHILIP L., LT. COL., QMC; B.S.; C&GS	17 Jul. '48
<i>Instructor in Military Art and Engineering</i>	
ELLIS, HARRY V., JR., CAPT., FA; B.S.	1 Aug. '46
<i>Instructor in Mathematics</i>	
EMERY, GUY, COL., INF; B.S., LL.B.; C&GS	1 Aug. '49
<i>Instructor in Law</i>	
ENGLISH, LOWELL E., LT. COL., USMC; B.A.	1 Jul. '49
<i>Instructor in Military Psychology and Leadership, Department of Tactics</i>	
ESPOSITO, VINCENT J., COL.; B.S. (USMA), B.S. (M.I.T.); ICAF, NWC	24 Jun. '47
<i>Professor of Military Art and Engineering</i>	

	Reported West Point
EVANS, BELMONT S., JR., MAJOR, CAC; B.S.; AAAS <i>Instructor in Physics and Chemistry</i>	15 Sep. '46
EVANS, GILES L., JR., LT. COL., CE; B.S.; C&GS. <i>Instructor in Military Art and Engineering</i>	18 Jul. '48
EVANS, ROBERT R., MAJOR, USAF; B.S.; IT <i>Instructor in Physical Education, Department of Tactics</i>	16 Jun. '48
FAAS, ROBERT W., CAPT., USAF; B.S. <i>Instructor in English</i>	27 Jan. '49
FARRELL, EDWARD L., JR., MAJOR, INF; B.S.; IS <i>Instructor in Law</i>	15 Oct. '46
FEENEY, IRENE C., 1ST LT., ANC; R.N. <i>Hospital Staff</i>	26 Aug. '49
FEHR, DOROTHY M., 1ST LT., ANC; R.N. <i>Hospital Staff</i>	6 Sep. '48
FELLENZ, WALTER J., LT. COL., INF; B.S.; C&GS <i>Instructor in Military Art and Engineering</i>	11 Jun. '47
FILLMORE, HELEN E., 1ST LT., ANC; R.N. <i>Hospital Staff</i>	19 Sep. '49
FISHBURNE, CHARLES C., JR., MAJOR, USAF; B.S. <i>Brigade Staff, Special Services Officer, Department of Tactics</i>	8 May '47
FISHER, LOWELL B., MAJOR, USAF; B.S. <i>Instructor in Mechanics</i>	2 Feb. '48
FLANDERS, EDWARD A., LT. COL., CE; B.S., M.S.; C&GS, AFSC <i>Assistant Professor of Physics and Chemistry</i>	14 Jun. '47
FLINT, RAYMOND L., CAPT., USAF; B.S., M.A. <i>Instructor in Physical Education</i>	14 Aug. '47
FOCHT, JOSEPH G., LT. COL., USAF; B.S.; C&GS <i>Instructor in Foreign Languages</i>	9 Oct. '48
FORBES, LAWRENCE G., LT. COL., SIGC; B.S., M.S.; C&GS <i>Assistant Professor of Electricity</i>	15 Aug. '48
FRASER, HARVEY R., LT. COL., CE; B.S., M.S.; ES <i>Instructor in Mechanics</i>	2 Jul. '48
FREDERICKS, CHARLES G., LT. COL., INF; B.S.; C&GS <i>Assistant Director of Military Psychology and Leadership, Department of Tactics</i>	10 Sep. '46
FREEMAN, WILSON, MAJOR, JAGC; B.S., LL.B. <i>Instructor in Law</i>	10 Jun. '47
FREUDENTHAL, WILHELM C., LT. COL., CAV; B.S. <i>Instructor in English</i>	14 Sep. '48
FRITZ, ROBERT W., MAJOR, CE; B.S., M.S. <i>Assistant to Post Engineer</i>	22 Jun. '49

	Reported West Point
FRYER, DOROTHY J., 1ST LT., ANC; R.N. <i>Hospital Staff</i>	12 May '48
FUREY, THOMAS P., CAPT., INF; B.S. <i>Instructor in English</i>	15 Jun. '46
GANNS, RALPH R., LT. COL., FA; B.S.; C&GS <i>Instructor in Military Art and Engineering</i>	17 Jul. '48
GARD, ROBERT G., COL., FA; B.S.; NWC <i>Treasurer, USMA</i>	20 Jun. '49
GARMAN, GEORGE A., JR., 1ST LT., FA; B.S., M.P.A. <i>Instructor in Social Sciences</i>	4 Aug. '48
GARRETT, ROBERT W., LT. COL., INF; B.S.; C&GS <i>Cadet Company Tactical Officer</i>	20 Jul. '49
GATCHELL, OSCAR J., COL.; B.S.; NWC <i>Professor and Head of Department of Mechanics</i>	1 Jul. '38
GAULT, BENJAMIN J., MAJOR, SIGC; B.A., M.A. <i>Assistant Professor of English</i>	11 May '46
GAWARECKI, JULIA F., CAPT., ANC; R.N. <i>Hospital Staff</i>	17 Oct. '46
GEE, SAMUEL E., LT. COL., INF; B.S.; AFSC <i>Director of Military Psychology and Leadership, Department of Tactics</i>	10 May '49
GERACE, FELIX J., LT. COL., QMC; B.S., M.B.A.; C&GS <i>Assistant to Quartermaster</i>	15 Apr. '48
GERMANN, EDWARD H., CAPT., INF; B.A., M.A., Cd'EF <i>Instructor in Foreign Languages</i>	1 May '49
GILLETTE, EDWARD C., JR., COL.; B.S., M.S.; ICAF <i>Professor of Physics and Chemistry</i>	4 Jan. '46
GINSBURGH, ROBERT N., CAPT., USAF; B.S., PH.D. <i>Instructor in Social Sciences</i>	15 Aug. '48
GLOWA, THEODORE A. <i>Forester—Horticulturist</i>	1 Apr. '35
GOTTLIEB, DANIEL K., 1ST LT., DC; D.D.S. <i>Hospital Staff</i>	14 Jan. '49
GRACE, HENRY A., CAPT., FA; B.S. <i>Instructor in Military Psychology and Leadership, Department of Tactics</i>	1 Nov. '48
GRAF, JOHN A., JR., LT. COL., CE; B.S., M.S.; C&GS <i>Instructor in Military Art and Engineering</i>	1 Aug. '47
GRAY, DAVID W., LT. COL., INF; B.S.; C&GS, AFSC <i>Associate Professor of Military Topography and Graphics</i>	1 Jul. '47
GREEN, JAMES W., JR., COL.; B.S., M.S.; C&GS <i>Professor of Electricity</i>	4 Mar. '47

GREEN, JOHN F., 1ST LT., INF; B.S. 1 Dec. '48
Assistant Football Coach

GREENE, FRANCIS M., COL., INF; B.A., B.S., M.P.E., DR.S.;
 C&GS 30 Apr. '42
*Director, Office of Physical Education,
 Department of Tactics*

GREENE, MARIAN S., 1ST LT., ANC; R.N. 21 Oct. '49
Hospital Staff

GRUENTHER, DONALD A., CAPT., FA; B.S., M.S. 1 Sep. '49
Instructor in Electricity

GULETSKY, WALTER N., MAJOR, INF; B.S.; C&GS 16 Jul. '48
Instructor in Foreign Languages

GUNSTEN, MAY H., CAPT., ANC; R.N. 7 May '49
Hospital Staff

GUNSTER, WALTER E., JR., LT. COL., FA; B.S.; C&GS 3 Jul. '46
Instructor in Mathematics

GUSTAFSON, ARTHUR W., LT. COL., SPS; B.S. 20 Oct. '46
Special Services Officer

GUSTAVES, SELMER, MAJOR, USAF; B.S.; C&GS 1 Feb. '48
Instructor in Social Sciences

HAGEN, THOMAS J., LT. COL., DC; D.D.S. 3 Jun. '49
Hospital Staff

HALE, FLETCHER, COMMANDER, USN; B.S. 1 Aug. '49
Cadet Company Tactical Officer

HALLOCK, HOUGHTON R., LT. COL., CE; B.S., M.S.;
 C&GS, AFSC 1 Aug. '47
Assistant Professor of Physics and Chemistry

HANSEN, HERBERT C., CAPT., ORD 1 Aug. '49
1802d Special Regiment

HARDAWAY, BEN F., JR., CAPT., USAF; B.S. 18 Jan. '46
Instructor in English

HARKINS, PAUL D., COL., CAV; B.S.; NWC 27 Jan. '46
*Commandant of Cadets and Head of
 Department of Tactics*

HARLAN, ROBERT D., MAJOR, CAC 2 Jun. '49
1802d Special Regiment

HARMELING, HENRY, JR., MAJOR, INF; B.S. 23 Jun. '49
Cadet Company Tactical Officer

HARNETT, JOHN S., LT. COL., CE; B.S., M.A.; C&GS 20 Sep. '46
Assistant Professor of Social Sciences

HARPER, WILSON C., CAPT., INF; B.S. 3 Jun. '48
Instructor in Foreign Languages

HARTMAN, CHARLES D., LT. COL., FA; B.S.; AS 12 Jun. '49
*Commanding Officer, Cadet Mess Detachment,
 1802d Special Regiment*

	Reported West Point
HARVEY, THOMAS H., LT. COL., CAC; B.S.; C&GS, AFSC <i>Assistant Professor of Social Sciences</i>	20 Sep. '46
HASEMAN, LEONARD L., LT. COL., CE; B.A., B.S., M.S.; C&GS	20 Jun. '47
<i>Instructor in Mathematics</i>	
HAYES, JAMES H., LT. COL., INF; B.S. (Drexel Inst.), B.S. (USMA), M.S.; IS	10 Mar. '47
<i>Instructor in Mathematics</i>	
HAYES, LEO V., CAPT., CAC; B.S.	8 May '48
<i>Instructor in Foreign Languages</i>	
HAYS, SAMUEL H., MAJOR, INF; B.S.; C&GS	20 May '47
<i>Instructor in Social Sciences</i>	
HEHN, EARL L., JR., MAJOR, USAF; B.S.; C&GS	7 Apr. '48
<i>Instructor in Military Topography and Graphics</i>	
HEIBERG, ELVIN R., COL., CE; B.S., C.E.; C&GS, AFSC	17 Jul. '49
<i>Professor of Mechanics</i>	
HEINLEIN, REX I., JR., LT. COL., CE; B.S., M.S.; AAAS	16 Feb. '42
<i>Associate Professor of Electricity</i>	
HEINTGES, JOHN A., LT. COL., INF; B.S.; C&GS, AFSC	29 Oct. '46
<i>Assistant Professor of Foreign Languages</i>	
HELM, MARGARET C., 1ST LT., ANC; R.N.	1 Nov. '45
<i>Hospital Staff</i>	
HENDERSON, WILLIAM J., 1ST LT., USAF; B.S.	8 Jan. '49
<i>Instructor in Physics and Chemistry</i>	
HENRY, ALBERT C., CAPT., TC; TS	6 Jul. '49
<i>1802d Special Regiment</i>	
HERBER, DAVID, CAPT., INF; IS	1 Jul. '48
<i>Commanding Officer, Airborne Detachment, 1802d Special Regiment</i>	
HIESTER, DAVID W., LT. COL., FA; B.S.; C&GS	25 Jan. '46
<i>Assistant Professor of Electricity</i>	
HILLBERG, LAURI J., LT. COL., CAC; B.S.; C&GS, AFSC	1 Jul. '47
<i>Associate Professor of Military Topography and Graphics</i>	
HINES, JOHN B. R., LT. COL., FA; B.S.; C&GS	24 May '47
<i>Instructor in Physics and Chemistry</i>	
HOAGLAND, ROBERT J., LT. COL., MC; B.A., M.D.	9 Dec. '45
<i>Hospital Staff</i>	
HOBSON, VICTOR W., JR., LT. COL., INF; B.S.; IS	16 Nov. '47
<i>Cadet Company Tactical Officer</i>	
HOLCOMB, JAMES F., 1ST LT., INF; B.S.	30 Jun. '49
<i>Instructor in Military Topography and Graphics</i>	
HOLLENBACH, ALBERT M., LT. COL., DC; B.S., D.D.S., Fellow of the American College of Dentistry	21 Aug. '46
<i>Hospital Staff</i>	

	Reported West Point
HOLM, WILLIAM N., LT. COL., INF; B.S.; C&GS <i>Cadet Company Tactical Officer</i>	15 Aug. '48
HOLT, JAMES F., 1ST LT., INF; B.S. <i>USMA Preparatory School, 1802d Special Regiment</i>	21 Sep. '48
HOLTERMAN, GORDON H., LT. COL., CAC; B.S., M.A. <i>Instructor in Social Sciences</i>	30 Aug. '46
HOLTON, EARL F., LT. COL., INF; B.S.; C&GS <i>Instructor in Military Art and Engineering</i>	17 Jul. '48
HONEYCUTT, JOHN T., LT. COL., FA; B.S.; C&GS <i>Instructor in Mathematics</i>	17 Jun. '46
HOPKINS, ARMAND, COL., CAC; B.S., M.A.; C&GS <i>Associate Professor of Foreign Languages</i>	3 Dec. '45
HORNER, ROBERT W., MAJOR, CE <i>Assistant to Post Engineer</i>	5 Apr. '46
HORRIDGE, RICHARD M., MAJOR, USAF; B.S., M.S. <i>Instructor in Mathematics</i>	17 Jun. '49
HOWARD, CLAUDE M., LT. COL., INF; B.S.; C&GS <i>1802d Special Regiment</i>	3 Aug. '49
HOWARD, GEORGE E., JR., LT. COL., USAF; B.S. <i>Instructor in Military Topography and Graphics</i>	1 Dec. '45
HOWE, CHARLES E., JR., MAJOR, USAF; B.S.; ATS <i>Instructor in Physics and Chemistry</i>	14 Jun. '49
HOWE, JAMES W., 1ST LT., INF; B.S. <i>Instructor in Foreign Languages</i>	22 Jul. '47
HOWELL, EDWIN N., LT. COL., CMP; B.S.; C&GS <i>Provost Marshal, USMA, 1802d Special Regiment</i>	24 May '48
HULL, GRACE L., 1ST LT., ANC; R.N. <i>Hospital Staff</i>	15 Mar. '49
HURLBUT, OREN E., LT. COL., ORD; B.S.; C&GS <i>Post Ordnance Officer and Post Chemical Officer; Commanding Officer, Ordnance Detachment, 1802d Special Regiment</i>	1 Apr. '48
INGRAM, EARL, WOJG <i>Assistant S-1, 1802d Special Regiment</i>	28 Apr. '49
IRVIN, JEFFERSON J., LT. COL., INF; B.S.; C&GS <i>Cadet Company Tactical Officer</i>	1 Sep. '49
JAMAR, WALKER, JR., CAPT., CE; B.S. <i>Instructor in Mathematics</i>	26 Aug. '46
JANNARONE, JOHN R., LT. COL., CE; B.S.; C&GS <i>Assistant Professor of Physics and Chemistry</i>	30 Apr. '47
JANOWSKI, RAYMOND A., LT. COL., CAC; B.S.; C&GS <i>Instructor in Foreign Languages</i>	10 Sep. '46
JENKINS, FRANCIS W., LT. COL., FA; B.S.; C&GS <i>Instructor in Mathematics</i>	15 Jul. '49

	Reported West Point
JOHNSON, CHESTER L., LT. COL., FA; B.S., M.A. <i>Instructor in Social Sciences</i>	3 Sep. '46
JOHNSTON, THOMAS M., CAPT., CE; B.S., M.S. <i>Instructor in Mathematics</i>	5 Jul. '49
JONES, BEVERLY D., LT. COL., FA; B.S.; C&GS..... <i>Assistant Professor of Foreign Languages</i>	13 Jul. '49
JONES, CONRAD H., CAPT., MC; M.D. <i>Hospital Staff</i>	15 Apr. '49
JONES, CRAMPTON H., COL., FA; B.S.; AFSC..... <i>Inspector General</i>	20 Jun. '47
JONES, HARRIS, BRIG. GEN., USA; B.S. (USMA), B.S. (M.I.T.); ES <i>Dean of the Academic Board</i>	1 Jul. '31
JORDAN, HUGH F., MAJOR, USAF; B.S., M.P.A.; ATS..... <i>Instructor in Social Sciences</i>	22 Aug. '48
JORDAN, JOHN E., MAJOR, DC; D.D.S. <i>Hospital Staff</i>	22 Sep. '46
KAHN, WILBUR A., CAPT., FA; B.S., M.S. <i>Instructor in Mathematics</i>	1 Jun. '49
KARRICK, SAMUEL N., JR., MAJOR, INF; B.S.; ES..... <i>Instructor in Mechanics</i>	1 Feb. '48
KASPER, WILLIAM M., LT. COL., INF; B.S. <i>Instructor in Military Psychology and Leadership, Department of Tactics</i>	1 Feb. '48
KATZ, HENRY J., LT. COL., ORD; B.S.; C&GS..... <i>Instructor in Mathematics</i>	25 Sep. '46
KELLEY, ROY S., LT. COL., CE; B.S., M.S.; ES..... <i>Instructor in Military Art and Engineering</i>	2 Jul. '48
KELLY, ROBERT F., CMDR., USN; B.S. <i>Instructor in Physics and Chemistry</i>	1 Aug. '48
KERIG, JOHN A., JR., MAJOR, USAF; B.S. <i>Instructor in Law</i>	15 Sep. '47
KERRIGAN, JOHN F., CAPT., MC; B.S., B.M., M.D..... <i>Hospital Staff</i>	7 Aug. '48
KEYES, ALLEN L., COL., FA; B.S., M.A.; C&GS..... <i>Director of the Museum</i>	16 Apr. '49
KIRKPATRICK, CHARLES L., COL., MC; B.S., M.A., M.D.; C&GS <i>Surgeon, and Professor and Head of Department of Military Hygiene</i>	1 Dec. '46
KOSIOREK, STEPHEN T., MAJOR, CAC; B.S. <i>Instructor in Foreign Languages</i>	4 Oct. '46
KOSTER, SAMUEL W., JR., LT. COL., INF; B.S.; C&GS..... <i>Cadet Company Tactical Officer</i>	15 Aug. '49

	Reported West Point
KRAFT, WILLIAM R., JR., MAJOR, CAV; B.S. <i>Assistant Professor of Foreign Languages</i>	30 Oct. '46
KRAMER, FRANCIS E., LT. COL., FA; B.S.; C&GS <i>Assistant Professor of English</i>	31 Jan. '46
KRAUSS, PAUL H., MAJOR, INF; B.S. <i>Instructor in Social Sciences</i>	1 Sep. '46
KREGEL, HERMAN J., MAJOR, CH; B.A., TH.B., B.D. <i>Post and Regimental Chaplain, 1802d Special Regiment</i>	12 Sep. '48
KRESS, JOHN B.; B.S., M.A. <i>Instructor in Physical Education, Department of Tactics</i>	29 Jun. '42
KRISH, EDWARD P., MAJOR, MSC <i>Hospital Staff</i>	4 Dec. '47
KROETEN, HERBERT J.; B.S., M.ED. <i>Instructor in Physical Education, Department of Tactics</i>	1 Sep. '48
KRUEGER, ORRIN C., LT. COL., INF; B.S.; AFSC <i>Graduate Manager of Athletics</i>	29 Jun. '47
KUHN, MARVIN M., CAPT., DC; B.S., D.D.S. <i>Hospital Staff</i>	25 Nov. '48
KUNZIG, LOUIS A., JR., LT. COL., INF; B.S., M.P.A.; C&GS <i>Instructor in Social Sciences</i>	25 Jun. '48
LADD, CHESTER R., LT. COL., USAF; B.S.; C&GS <i>Instructor in Social Sciences</i>	27 Aug. '47
LAKIN, JOHN W., CAPT., USAF; ATS <i>Instructor in Mathematics</i>	14 Jun. '49
LANG, CORNELIS DEW. W., LT. COL., FA; B.S.; C&GS, AFSC <i>Commanding Officer, Second Regiment, Department of Tactics</i>	8 Aug. '48
LATOSZEWSKI, EDWIN J., LT. COL., USAF; B.S., M.B.A.; C&GS <i>Brigade Staff, Assistant S-3, Department of Tactics</i>	18 Sep. '48
LAVENDER, DENNIS; B.S. <i>Head Golf Coach</i>	6 Sep. '47
LAVERY, ARTHUR T., CWO <i>Brigade Staff, Assistant S-3, Department of Tactics</i>	24 Feb. '49
LEE, EDWARD M., LT. COL., ORD; B.S.; C&GS <i>Instructor in Ordnance</i>	17 Jun. '49
LEE, RAYMOND C., JR., CAPT., USAF; B.S., M.S. <i>Instructor in Military Psychology and Leadership, Department of Tactics</i>	17 Jun. '48
LEETON, BESSIE N., 1ST LT., ANC; R.N. <i>Hospital Staff</i>	9 May '49
LEKSON, JOHN S., MAJOR, INF; B.S.; IS <i>1802d Special Regiment</i>	20 Jul. '48

	Reported West Point
LENFEST, CHARLES W., MAJOR, USAF; B.S. <i>Instructor in Mechanics</i>	2 Sep. '46
LEWIS, GABE W., JR., LT. COL., AGD; B.S., M.ED.; C&GS <i>Instructor and Executive Officer, Department of Mathematics</i>	15 Jun. '47
LEWIS, RAY C., MAJOR, FD; B.S. <i>Finance Officer</i>	2 Dec. '47
LEWIS, WILLIAM F.; B.S. <i>Instructor in Physical Education, Department of Tactics</i>	21 Feb. '46
LEWIS, WILLIAM H., LT. COL., CE; B.S., M.S.; C&GS <i>Assistant Professor of Military Art and Engineering</i>	15 Apr. '47
LIDDELL, CHARLES K., CAPT., MC; B.S., M.D. <i>Hospital Staff</i>	19 Sep. '47
LIGHT, EVERETT D., LT. COL., CAC; B.S.; C&GS <i>Cadet Company Tactical Officer</i>	1 Aug. '49
LINCK, GEORGE W.; B.S., M.A. <i>Instructor in Physical Education, Department of Tactics</i>	17 Nov. '47
LINCOLN, GEORGE A., COL.; B.S., B.A. AND M.A. (Oxon.); NWC <i>Professor of Social Sciences</i>	1 Sep. '47
LOMBARDI, VINCENT T.; B.S. <i>Assistant Football Coach</i>	1 Jan. '49
LULL, CLIFFORD B., 1ST LT., MC; M.D. <i>Hospital Staff</i>	9 Aug. '49
MACDONNELL, ROBERT G., LT. COL., CE; B.S., M.S.; C&GS, AFSC <i>Associate Professor and Executive Officer, Department of Military Art and Engineering</i>	26 Jun. '47
MAEDER, RICHARD H., 1ST LT., INF; B.S. <i>Aide-de-Camp and Secretary to General Staff</i>	28 Jan. '49
MAHER, MARGARET L., 1ST LT., ANC; R.N. <i>Hospital Staff</i>	26 Aug. '48
MALONEY, ROBERT S., JR., MAJOR, USAF; B.S., M.S. <i>Instructor in Electricity</i>	12 Jun. '47
MALONEY, THOMAS E. <i>Instructor in Physical Education, Department of Tactics</i>	1 Sep. '31
MALTZOFF, NICHOLAS; B.A., M.S. <i>Instructor in Foreign Languages</i>	8 Jul. '46
MARKS, THOMAS R., 1ST LT., USAF; B.S., M.S. <i>Instructor in Mathematics</i>	30 Jun. '49
MARKUSON, REGINA W., 1ST LT., ANC; R.N. <i>Hospital Staff</i>	3 Apr. '48

	Reported West Point
MARLIN, RAYMOND B., LT. COL., INF; B.S.; C&GS. <i>Cadet Company Tactical Officer</i>	20 May '49
MARSH, CLARENCE T., JR., LT. COL., CAC; B.S.; C&GS <i>Instructor in Military Art and Engineering</i>	15 Jun. '49
MARSHALL, ELIZABETH A., 1ST LT., ANC; R.N. <i>Hospital Staff</i>	15 Jul. '48
MARTIN, CLYDE J., CWO, USA <i>Brigade Staff, Assistant S-1, Department of Tactics</i>	12 Oct. '46
MARTIN, WINFIELD L., LT. COL., SIGC; B.S.; C&GS <i>Post Signal Officer; Commanding Officer, Signal Detachment, 1802d Special Regiment</i>	4 Feb. '48
MARTINEZ, JOSE; B.S., B.A., PHL. (Licentiate) <i>Instructor in Foreign Languages</i>	2 Feb. '40
MARVIN, FRANK F., 1ST LT., USAF; B.S. <i>Instructor in Military Topography and Graphics</i>	16 Jun. '49
MATHEWS, LAWRENCE G., CAPT., INF; B.S.; C&GS <i>USMA Preparatory School, 1802d Special Regiment</i>	5 Aug. '49
MAUER, JOHN W.; B.S. <i>Head Basketball Coach</i>	1 Apr. '47
MAXWELL, THOMAS W., MAJOR, FA; B.S.; AS <i>Instructor in Military Topography and Graphics</i>	29 Apr. '49
MAYER, FREDERICK C. <i>Organist and Choirmaster</i>	2 May '11
MAYO, GEORGE, JR., LT. COL., FA; B.S.; C&GS <i>Instructor in Mechanics</i>	28 Oct. '47
MCADAM, THEODORE J., MAJOR, USAF; B.S.; ATS <i>Assistant Professor and Administrative Officer, Department of Military Topography and Graphics</i>	2 Jun. '47
MCBRIDE, JAMES L., LT. COL., USAF; B.S.; C&GS <i>Assistant Professor of Mechanics</i>	27 Dec. '46
MCCABE, EDWARD F., CAPT., CE; B.S., M.S.; ES <i>Instructor in Military Art and Engineering</i>	5 Jul. '49
MCCOLLAM, ALBERT E., LT. COL., CE; B.S., M.S.; C&GS <i>Instructor in Military Topography and Graphics</i>	23 Jun. '48
MCCOMSEY, JOHN A., COL., CAC; B.S.; AFSC <i>Assistant Secretary-Treasurer, Association of Graduates</i>	15 Jul. '49
MCCORD, RICHARD D., CAPT., USAF; B.S., M.S. <i>Instructor in Physics and Chemistry</i>	22 Jun. '49
MCCORMICK, ROBERT F., REV.; B.A. <i>Assistant Rector, Catholic Chapel</i>	15 Mar. '47
MCCRACKEN, SARA, 1ST LT., ANC; R.N. <i>Hospital Staff</i>	29 Jan. '45

	Reported West Point
McELHENY, JOHN D., LT. COL., CE; B.S., M.S.; C&GS, AFSC <i>Commanding Officer, Combat Engineer Detachment, 1802d Special Regiment</i>	24 Apr. '47
McGOVERN, ALICE E., 2ND LT., WAC <i>1802d Special Regiment</i>	9 Apr. '49
McGREGOR, JACK K., CAPT., USAF; B.S. <i>Instructor in Military Topography and Graphics</i>	19 Aug. '46
McKINNEY, HARRY E., COL., INF; B.S.; C&GS <i>Commanding Officer, Combat Arms Detachment, 1802d Special Regiment</i>	9 Jul. '48
McMURRAY, EDNA M., 1ST LT., ANC; R.N. <i>Hospital Staff</i>	25 Apr. '49
MEDUSKY, JOHN W., MAJOR, CE; B.S., M.S.; ES <i>1802d Special Regiment</i>	22 Jun. '47
MESEREAU, THOMAS A., MAJOR, INF; B.S. <i>Assistant Graduate Manager of Athletics</i>	7 Mar. '47
MEYER, RICHARD D., LT. COL., TC; B.S., M.S.; C&GS, AFSC <i>Post Transportation Officer and Commanding Officer, Transportation Corps Detachment, 1802d Special Regiment</i>	15 Oct. '46
MIKKELSEN, HARRY E., LT. COL., ORD; B.S.; C&GS <i>Assistant Professor of Ordnance</i>	1 Aug. '47
MILLER, FRANK D., LT. COL., INF; B.S.; C&GS <i>Brigade Staff, S-1, Department of Tactics</i>	23 Jun. '49
MILNER, JAMES W., LT. COL., FA; B.S.; C&GS <i>Cadet Company Tactical Officer</i>	1 Aug. '49
MIRSKI, MICHAEL S., LT. COL., CAV; B.A., B.S., LL.M., LL.D. <i>Instructor in Foreign Languages</i>	15 Jun. '49
MITCHELL, JOSEPH B., LT. COL., FA; B.S.; C&GS <i>Regimental S-1, 1802d Special Regiment</i>	1 Jan. '49
MOODY, PETER R., LT. COL., USAF; B.A., B.S., M.A. <i>Associate Professor of English</i>	28 Nov. '45
MOORE, BRYANT E., MAJOR GEN., USA; B.S.; NWC <i>Superintendent</i>	28 Jan. '49
MOORE, GEORGE B., MAJOR, FA; B.S.; C&GS <i>Instructor in English</i>	2 Feb. '46
MOORE, JAMES D., CAPT., INF; B.S.; C&GS <i>1802d Special Regiment</i>	26 Jun. '49
MOORE, JOSEPH P., REV.; B.A. <i>Rector, Catholic Chapel</i>	Apr. '39
MORLOCK, WALLACE J., COL., DC; D.D.S. <i>Dental Surgeon</i>	25 Jan. '48
MORRISON, RICHARD S., LT. COL., USAF; B.S.; C&GS <i>Cadet Company Tactical Officer</i>	2 Jun. '49

	Reported West Point
MORROW, JOHN J., COL., USAF; B.S.; <i>NWC</i>	21 Jun. '49
<i>Chief of Staff</i>	
MORTON, WILLIAM J., JR., LT. COL., FA; B.S.	21 Jul. '42
<i>Post Librarian</i>	
MURRAY, GEORGE J., JR., LT. COL., CE; M.E. (Stevens Inst. Tech.), B.S. (USMA), M.S.; <i>C&GS</i>	19 Aug. '47
<i>Associate Professor of Mechanics</i>	
MYERS, PAUL W., 1ST LT., MC; M.D.	1 Jul. '49
<i>Hospital Staff</i>	
NEELY, ROBERT B., LT. COL., FA; B.S.; <i>C&GS</i>	20 Jul. '48
<i>Executive Officer, 1802d Special Regiment</i>	
NEUER, JOHN J., MAJOR, USAF; B.S.	4 Sep. '46
<i>Instructor in Physics and Chemistry</i>	
NEUMEISTER, ROGER S., MAJOR, ORD; B.S., M.S.; <i>OS</i>	24 Jun. '48
<i>Instructor in Electricity</i>	
NEWMAN, JAMES B., III, MAJOR, CE; B.S.; <i>ES</i>	10 Nov. '47
<i>Instructor in Mechanics</i>	
NEWMAN, JOHN T., MAJOR, SIGC; B.E.E., M.S.; <i>C&GS</i>	2 Sep. '47
<i>Instructor in Electricity</i>	
NICHOLAS, CHARLES P., COL.; B.S.; <i>C&GS, AFSC</i>	15 Jun. '48
<i>Professor of Mathematics</i>	
NICHOLS, FREDERICK K., CAPT., USAF; B.S., M.S.	15 Jun. '47
<i>Instructor in Electricity</i>	
NICKEL, JOHN R., MAJOR, SIGC; B.S., M.S.; <i>SS</i>	1 Sep. '47
<i>Instructor in Physics and Chemistry</i>	
NOONAN, ROBERT M., MAJOR, USAF; B.S., M.S.; <i>IT</i>	14 Jun. '49
<i>Instructor in Electricity</i>	
NORDLIE, LEIF	1 Sep. '46
<i>Head Coach, Tennis and Squash</i>	
NORRIS, JOHN A., JR., LT. COL., INF; B.S.; <i>C&GS</i>	24 Mar. '47
<i>Cadet Company Tactical Officer</i>	
NORTON, ALOYSIUS A., CAPT., USAF; B.S.	9 Apr. '48
<i>Instructor in English</i>	
NOSEK, THADDEUS M., LT. COL., CE; B.S., M.S.; <i>C&GS</i>	20 Dec. '46
<i>Assistant Professor of Mechanics</i>	
NOURSE, ROBERT S., COL., AGD; B.S.; <i>AFSC</i>	1 Oct. '47
<i>Adjutant General</i>	
OBERBECK, ARTHUR W., LT. COL., CE; B.S., M.S.; <i>C&GS</i>	15 Jun. '47
<i>Assistant Professor of Mathematics</i>	
O'BRIEN, FRANCIS W., LT. COL., INF; <i>C&GS</i>	2 Aug. '46
<i>1802d Special Regiment</i>	
OCHS, WILLIAM V. D., JR., 1ST LT., INF; B.S.	29 Jan. '49
<i>Assistant Public Information Officer</i>	

	Reported West Point
O'CONNOR, GEORGE G., LT. COL., FA; B.S.; C&GS, AFSC <i>Instructor in Physical Education</i>	19 Aug. '46
OHMAN, NILS O., COL., USAF; B.S. <i>Instructor in Mathematics</i>	1 Jul. '47
OSBORNE, MARY A., 1ST LT., ANC; R.N. <i>Hospital Staff</i>	15 Oct. '48
OTT, EDWARD S., JR., CAPT., FA; B.S. <i>Instructor in Mechanics</i>	6 May '47
PALFREY, CAMPBELL, JR., MAJOR, USAF; B.S. <i>Instructor in Law</i>	15 Oct. '47
PALONE, JOSEPH M.; B.S. <i>Instructor in Physical Education, Department of Tactics</i>	21 Feb. '46
PARKER, DAVID S., LT. COL., CE; B.S., M.S.; ES <i>Instructor in Military Topography and Graphics</i>	5 Jul. '49
PARSONS, CHARLES J., JR., LT. COL., CAV; B.S.; AS <i>1802d Special Regiment</i>	29 Apr. '47
PASCHE, MARCEL <i>Head Fencing Coach</i>	15 Sep. '49
PATTEN, LEONARD B. <i>Head Hockey Coach</i>	1 Nov. '45
PEARSALL, JAMES F., JR., LT. COL., INF; B.S. <i>Instructor in Military Psychology and Leadership, Department of Tactics</i>	15 Aug. '46
PETERSON, JOHN T., CAPT., ORD; B.S.; OS <i>Instructor in Ordnance</i>	1 Jul. '48
PETERSON, RALPH M., CAPT., FA; C&GS <i>1802d Special Regiment</i>	7 Aug. '48
PEUGH, WILLIAM E., 1ST LT., USAF; B.S., M.S. <i>Instructor in Electricity</i>	21 Apr. '48
PHELAN, DONALD A., LT. COL., CE; B.S., M.S.; C&GS, AFSC <i>Post Engineer</i>	12 Jun. '49
PHILLIPS, JOHN D. F., LT. COL., FA; B.S., M.A.; C&GS, AFSC <i>Associate Professor and Administrative Officer, Department of Social Sciences</i>	7 Feb. '48
PHILLIPS, PAUL W., 1ST LT., INF; B.S. <i>1802d Special Regiment</i>	3 Aug. '48
PIDGEON, JOHN J., MAJOR, CAC; B.S.; C&GS <i>Instructor in Ordnance</i>	1 Oct. '49
PODUFALY, EDWARD T., LT. COL., CE; B.S., M.S.; C&GS, AFSC <i>Instructor in Military Art and Engineering</i>	23 Jun. '48
POLLIN, JACK M., CAPT., FA; B.S., M.S. <i>Instructor in Mathematics</i>	1 Sep. '49

	Reported West Point
PRANN, BRADLEY F., MAJOR, USAF; B.S. <i>Instructor in Law</i>	31 Aug. '46
PRICE, HERBERT H., JR., 1ST LT., QMC; B.S. <i>Assistant to Quartermaster</i>	1 Jul. '49
PROCTOR, WILLIAM G., LT. COL., INF; B.S.; C&GS <i>Public Information Officer</i>	10 Jan. '48
PULLEY, FRANK E., REV., GRADUATE IN DIVINITY <i>Chaplain, USMA</i>	25 Jun. '47
QUINN, ALICE P., 1ST LT., ANC; R.N. <i>Hospital Staff</i>	1 Jul. '48
RADCLIFF, ELGIN G., MAJOR, CE; B.S., M.S. <i>Instructor in Electricity</i>	1 Jul. '48
RADLO, CHESTER F., MAJOR, USAF; B.A. <i>Instructor in Foreign Languages</i>	17 Feb. '49
RASTETTER, RICHARD J., LT. COL., ORD; B.S.; C&GS <i>Assistant Professor of Ordnance</i>	28 Jun. '47
RAY, JOHN, LT. COL., FA; B.S.; C&GS <i>Instructor in Law</i>	8 Mar. '46
REBER, EDWARD C., COL., ORD; B.S., M.S.; C&GS, AFSC <i>Associate Professor of Ordnance</i>	8 May '47
REEVES, JOSEPH R., LT. COL., FA; B.S.; C&GS <i>Assistant Professor of Military Topography and Graphics</i>	22 Jun. '46
RENFROE, WALTER J., JR., LT. COL.; B.S.; C&GS, AFSC <i>Professor of Foreign Languages</i>	4 Feb. '49
RESTA, FRANCIS E., CAPT., OTM <i>Commanding Officer and Bandmaster, USMA Band, 1802d Special Regiment</i>	18 Sep. '34
REUTENAUER, MARGUERITE C., CAPT., ANC; R.N. <i>Hospital Staff</i>	15 Jun. '49
RHOADES, JOHN F., LT. COL., CAV; B.S.; AS <i>Assistant Professor of Social Sciences</i>	7 Mar. '46
RICHARD, ELIZABETH C., 1ST LT., ANC; R.N. <i>Hospital Staff</i>	15 Oct. '49
RICHARDSON, HERBERT, JR., MAJOR, CE; B.S., M.S.; ES <i>Instructor in Mathematics</i>	23 Jun. '48
RIEDEL, PHILIP H., JR., MAJOR, FA; B.S., M.S. <i>Instructor in Military Topography and Graphics</i>	26 Jun. '49
ROBERTSON, KENNETH C., LT. COL., INF; C&GS <i>Cadet Company Tactical Officer</i>	17 Jul. '48
ROBINSON, JOHN N., JR., 1ST LT., USAF; B.S. <i>Instructor in Physics and Chemistry</i>	16 Apr. '49
ROGERS, THEDA W., CAPT., ANC; R.N. <i>Hospital Staff</i>	15 Aug. '46

	Reported West Point
ROSS, WILLIAM O., CAPT., USAF; B.E., M.A.	29 Oct. '48
<i>1802d Special Regiment</i>	
ROTHSCHILD, JACQUARD H., LT. COL., CMLC; B.S., M.S.; C&GS, AFSC	15 Jun. '47
<i>Assistant Professor of Physics and Chemistry</i>	
RULE, DONALD D., LT. COL., CAC; B.S.	1 Jul. '41
<i>Associate Professor of Military Topography and Graphics</i>	
RUMPH, RAYMOND W., LT. COL., CAC; B.S.; C&GS	3 Oct. '46
<i>Assistant Director of Military Psychology and Leadership, Department of Tactics</i>	
RUSS, JOSEPH R., LT. COL., INF; B.S.; C&GS	3 Jul. '47
<i>Assistant G-4</i>	
RUSSELL, MELVIN R., LT. COL., CAC; B.S.; C&GS	19 Jun. '46
<i>Instructor in Mathematics</i>	
SAGE, JERRY M., LT. COL., INF; B.A.	4 Dec. '48
<i>Instructor in Social Sciences</i>	
SAMPSON, CHARLES W., CAPT., USAF; B.S., M.S.; ATS	1 Jul. '49
<i>Instructor in Mechanics</i>	
SATTERFIELD, ROBERT A., CAPT., CMP	15 Mar. '49
<i>Assistant Provost Marshal, 1802d Special Regiment</i>	
SAUER, JOHN E., 1ST LT., INF; B.S.	12 May '48
<i>Assistant Football Coach</i>	
SHELLMAN, ROBERT H., LT. COL., INF; B.S.; C&GS	17 Jul. '48
<i>First Regiment, S-1, and Cadet Company Tactical Officer</i>	
SCHICK, LAWRENCE E., COL.; B.S.; NWC	1 May '46
<i>Professor and Head of Department of Military Topography and Graphics</i>	
SCHMALTZ, FREDERICK A., MAJOR, QMC; B.S.; QS	13 Oct. '47
<i>Assistant to Quartermaster</i>	
SCHOCKNER, LESTER F., LT. COL., FA; B.S.; C&GS	28 Jul. '49
<i>Instructor in Military Topography and Graphics</i>	
SCHRADER, JOHN R., JR., LT. COL., CAC; B.S.; C&GS	23 Jul. '47
<i>Instructor in Mathematics</i>	
SCHUPPNER, PAUL B., MAJOR, ORD; B.S.; C&GS	24 Jun. '48
<i>Instructor in Ordnance</i>	
SCOTT, RICHARD P., MAJOR, CAV; B.S.; C&GS	13 Jun. '49
<i>Instructor in English</i>	
SEDLAK, MARY R., 1ST LT., WAC; B.S.	22 Sep. '49
<i>Hospital Adjutant</i>	
SEMBACH, LEON, CAPT., FA; B.S.	1 Apr. '47
<i>Instructor in Social Sciences</i>	
SHAMBAUGH, HOWARD T., CAPT., ORD	7 Sep. '49
<i>1802d Special Regiment</i>	

	Reported West Point
SHORT, WALTER D., MAJOR, INF; B.S.; C&GS <i>Second Regiment, S-1, Department of Tactics</i>	2 May '48
SINKLER, THOMAS S., JR., LT. COL., INF; B.S.; IS <i>Associate Professor and Administrative Officer, Department of English</i>	1 Feb. '42
SKINNER, LEO V., MAJOR, USAF; B.S., PH.D. <i>Instructor in Electricity</i>	1 Jul. '48
SMITH, BRADISH J., LT. COL., INF; B.S.; C&GS <i>Instructor in English</i>	8 Jul. '47
SMITH, EDWARD P., LT. COL., INF; B.S.; C&GS <i>Cadet Company Tactical Officer</i>	15 Mar. '47
SMITH, FREDERICK A., JR., CAPT., INF; B.S., M.S. <i>Instructor in Physics and Chemistry</i>	26 Jun. '49
SMITH, HERMAN F., MAJOR, USAF; B.A., M.A. <i>Brigade Aptitude Officer, Military Psychology and Leadership, Department of Tactics</i>	2 Jun. '48
SMITH, MATTHEW C., LT. COL., INF; B.S.; IS <i>Instructor in Social Sciences</i>	2 Feb. '48
SMITH, PERRY McC., COL., GSC; B.S.; C&GS, AFSC <i>Assistant Chief of Staff, G-2/G-3</i>	23 Feb. '49
SMITH, WILLIAM B., JR., CAPT., USAF; B.S.; IT <i>Instructor in Military Topography and Graphics</i>	19 Aug. '46
SMITH, WOODROW M., MAJOR, FA; B.S.; AS <i>Instructor in Electricity</i>	28 Sep. '46
SNODGRASS, EDGAR H., COL., JAGC; B.S., LL.B.; ICAF <i>Associate Professor of Law</i>	28 Jun. '47
SODT, MARJORIE E., 1ST LT., ANC; R.N. <i>Hospital Staff</i>	20 Sep. '49
SORGE, ROBERT E.; B.S., M.A. <i>Instructor in Physical Education, Department of Tactics</i>	29 Jan. '46
SPANN, CECIL E., JR., LT. COL., CAC; B.S.; C&GS <i>Instructor in Military Art and Engineering</i>	17 Jul. '48
SPAULDING, EDWARD C., LT. COL., FA; B.A., B.S.; C&GS <i>1802d Special Regiment</i>	4 May '49
SPENCER, DOUGLAS; B.A., PH.D. <i>Staff Psychologist and Associate Director, Military Psychology and Leadership, Department of Tactics</i>	29 Jun. '48
SPRINGSTEAD, DOUGLAS M. <i>Assistant Forester-Horticulturist</i>	1 Jul. '36
STAMPS, THOMAS D., COL.; B.A., B.S. (USMA), B.S. (M.I.T.); C&GS <i>Professor and Head of Department of Military Art and Engineering</i>	2 Aug. '38

	Reported West Point
STEPHENS, GEORGE R., COL.; B.A., PH.D.	28 Oct. '45
<i>Professor and Head of Department of English</i>	
STEPHENS, JOEL B., MAJOR, FA; B.S.	1 Aug. '47
<i>Assistant Football Coach</i>	
STERNBERG, BEN, LT. COL., INF; B.S.; C&GS.....	17 Jul. '48
<i>Brigade Staff, Assistant S-4, Department of Tactics</i>	
STONE, WILLIAM S., COL., USAF; B.S., M.S., M.A.; C&GS.....	2 Jun. '47
<i>Associate Professor of Social Sciences</i>	
STRAIN, RUTH C., CAPT., WMSC; B.S.	18 Jun. '48
<i>Hospital Staff</i>	
SUNDIN, ALVAR B., LT. COL., FA; B.S.; C&GS.....	3 Nov. '47
<i>Executive Officer, Second Regiment, Department of Tactics</i>	
SURKAMP, ARTHUR T., MAJOR, CE; B.S., M.S.; ES.....	22 Jun. '48
<i>Instructor in Military Art and Engineering</i>	
SUSSMANN, WILLIAM A., LT. COL., CAV; B.S.; C&GS.....	10 Jun. '47
<i>Instructor in Mathematics</i>	
SUTHERLAND, EDWIN VAN V., LT. COL., INF; B.S.; C&GS.....	15 Sep. '48
<i>Instructor in English</i>	
TATUM, DANIEL F., COL., USAF; B.S.; AC&S.....	14 Jun. '48
<i>Instructor in Military Art and Engineering</i>	
TAYLOR, JOHN O., LT. COL., FA; B.S.; C&GS.....	6 Jun. '49
<i>Commandant, USMA Preparatory School, 1802d Special Regiment</i>	
THOMASON, JOEL F., LT. COL., FA; B.S.; C&GS.....	2 Jun. '49
<i>Instructor in Military Art and Engineering</i>	
TILLER, FRITZ; B.A., PH.D.	1 Sep. '42
<i>Instructor in Foreign Languages</i>	
TILLSON, JOHN C. F., III, LT. COL., INF; B.S.; C&GS.....	17 Jul. '47
<i>1802d Special Regiment</i>	
TILTON, KENNETH E., LT. COL., CAC; B.S.; AS.....	20 Jul. 48
<i>Assistant Professor of Mathematics</i>	
TIMBERS, ROBERT T.; B.A.	23 Apr. '42
<i>Registrar</i>	
TISDALE, PIERRE A., CAPT., USAF; B.S.	27 Mar. '48
<i>Instructor in Mathematics</i>	
TODD, WILLIAM A., JR., COL., MC; B.S., M.D.	15 Jun. '48
<i>Hospital Staff</i>	
TONETTI, OSCAR C., MAJOR, FA; B.S., M.S.	26 Jun. '49
<i>Instructor in Mathematics</i>	
TORNSTROM, CLIFFORD H., MAJOR, DC; D.D.S.	8 Sep. '47
<i>Hospital Staff</i>	
TOTH, ALFRED L., CAPT., INF; B.S., M.S.; IS.....	1 Sep. '49
<i>Instructor in Mathematics</i>	

	Reported West Point
TOUGHTONE, F. MORRIS; B.P.E. <i>Head Lacrosse Coach</i>	1 Sep. '28
TRAHAN, EUGENE A., LT. COL., CAV; B.S.; C&GS <i>Instructor in Military Topography and Graphics</i>	17 Jul. '48
TRECHTER, MARIE C., 1ST LT., ANC; R.N., B.S. <i>Hospital Staff</i>	19 Sep. '49
TRIOL, THOMAS F.; B.A., M.A. <i>Instructor in Physical Education, Department of Tactics</i>	1 Sep. '49
TRIPLET, WILLIAM S., COL., INF; B.S.; C&GS, AFSC <i>Commanding Officer, 1802d Special Regiment</i>	19 Jul. '48
TRIPP, ROBERT C., LT. COL., TC; B.S., M.S.; C&GS, AFSC <i>Associate Professor of Physics and Chemistry</i>	20 Jul. '47
TRULOCK, SUE B., CAPT., WAC <i>Commanding Officer, Women's Army Corps Detachment, 1802d Special Regiment</i>	17 Feb. '49
TUCK, WILLIAM R., LT. COL., CAV; B.A.; C&GS <i>Cadet Company Tactical Officer</i>	10 Jun. '49
TUCKER, HENRY P., LT. COL., INF; B.S.; C&GS <i>Cadet Company Tactical Officer</i>	2 Jun. '49
TUTTLE, GEORGE A., CAPT., INF; B.S., M.S. <i>Instructor in Military Topography and Graphics</i>	25 Jun. '49
ULRICH, ROBERT J., 1ST LT., USAF; B.A. <i>Instructor in Social Sciences</i>	7 Jun. '49
UTLEY, JOHN H., MAJOR, SIGC; B.A., PH.D. <i>Instructor in Foreign Languages</i>	8 Sep. '43
VAIL, WILLIAM H., JR., LT. COL., CAC; B.S.; C&GS <i>Associate Professor of Mechanics</i>	21 Mar. '46
VAN SCHOICK, ARTHUR W., JR., CAPT., INF; B.S. <i>Instructor in Military Topography and Graphics</i>	28 Aug. '47
VELHO, OCTAVIO A., CAPT. (Brazilian Army); B.S. <i>Instructor in Foreign Languages</i>	5 Jul. '48
VILS, PREBEN; B.S. <i>Instructor in Foreign Languages</i>	19 Jul. '48
VIOLLET, CLAUDE; BAC. École Sciences Politiques Certificat Licence; C&GS <i>Instructor in Foreign Languages</i>	18 Nov. '46
WAGENER, MARY M., CAPT., ANC; R.N. <i>Hospital Staff</i>	19 May '49
WALD, JOHN J., LT. COL., CAC; B.S., M.S.; AS <i>Instructor in Mathematics</i>	13 Sep. '49
WALKER, HAROLD S., JR., CAPT., CAV; B.S.; AS <i>Instructor in English</i>	1 Jul. '49

	Reported West Point
WALLIS, LUTHER D., JR., CAPT., INF; B.S. <i>Instructor in English</i>	15 Jun. '49
WARMATH, MURRAY; B.S. <i>Assistant Football Coach</i>	1 Jan. '49
WARNER, LEO V., COL., GSC; B.S.; AFSC <i>Assistant Chief of Staff, G-1</i>	1 Sep. '49
WATERS, JOHN K., LT. COL., CAV; B.S.; C&GS, AFSC <i>Assistant Commandant of Cadets</i>	4 Feb. '49
WATKIN, WILLIAM W., JR., MAJOR, CE; B.S. <i>Instructor in Mechanics</i>	26 Jan. '47
WATSON, NUMA A., COL., GSC; B.S.; AFSC <i>Assistant Chief of Staff, G-4</i>	6 Oct. '49
WATT, JOHN, LT. COL., INF; B.S.; C&GS <i>Cadet Company Tactical Officer</i>	1 Jul. '48
WEBER, FREDERICK R., LT. COL., INF; B.S.; AFSC <i>Commanding Officer, Headquarters and Headquarters Detachment, 1802d Special Regiment</i>	1 Jul. '47
WEIDENKOPF, STANLEY J., LT. COL., MSC; B.S., M.P.H. ... <i>Assistant Professor of Military Hygiene</i>	21 Jun. '49
WELLEMS, EDWARD N., LT. COL., INF; B.S.; C&GS <i>1802d Special Regiment</i>	3 Jul. '47
WENDEROTT, MARCELLA, CAPT., ANC; R.N. <i>Hospital Staff</i>	5 Sep. '49
WERMUTH, ANTHONY L. P., MAJOR, INF; B.S.; C&GS <i>Assistant Professor of English</i>	15 Jun. '46
WEST, CHARLES W., COL.; B.S., LL.B. <i>Professor and Head of Department of Law</i>	23 Sep. '43
WIER, WILLIAM B., 1ST LT., INF; B.S. <i>Instructor in Foreign Languages</i>	21 Sep. '46
WILSON, JAMES V. G., COL., USAF; B.S., M.S. <i>Associate Professor of Electricity</i>	15 Jun. '47
WILSON, JASPER J., LT. COL., CAV; B.S.; C&GS <i>Assistant Professor of Mathematics</i>	29 Jul. '46
WINEGAR, WALTER L., LT. COL., CE; B.S., M.S.; ES <i>Instructor in Military Art and Engineering</i>	9 Jul. '48
WINTON, GEORGE P., JR., LT. COL., FA; B.S.; C&GS <i>Associate Professor of Military Art and Engineering</i>	2 Sep. '47
WITTERS, ARTHUR G., CAPT., USAF; M.S. <i>Instructor in Military Topography and Graphics</i>	5 Jul. '49
WOLFE, YALE H., LT. COL., CAC; B.S.; C&GS <i>Brigade Staff, S-4, Department of Tactics</i>	3 Jul. '47
WOOD, CECIL H., LT. COL., CMLC; B.S., M.A. <i>Associate Professor of Physics and Chemistry</i>	30 Apr. '42

	Reported West Point
WOODWARD, GILBERT H., LT. COL., CAV; B.S.; C&GS <i>Assistant Professor of Social Sciences</i>	18 Feb. '47
WOOLNOUGH, JAMES K., LT. COL., INF; B.S.; C&GS, AFSC <i>Commanding Officer, First Regiment, Department of Tactics</i>	22 Jul. '49
WYMAN, PHILIP A., MAJOR, FA; B.S. <i>Instructor in Military Topography and Graphics</i>	23 Jul. '46
WYNNE, EDWARD P., MAJOR, USAF; B.S., M.S.; CS, SS <i>Instructor in Ordnance</i>	1 Jul. '49
YATES, JULES D., MAJOR, INF; B.S. <i>Instructor in Foreign Languages</i>	21 Sep. '48
YATES, ROBERT C., LT. COL., CE; B.A., B.S., PH.D. <i>Associate Professor of Mathematics</i>	15 Jun. '42
YEAGER, FREDERICK J., MAJOR, INF; B.S. <i>Assistant Professor of Foreign Languages</i>	1 Aug. '46
YORK, ROBERT H., LT. COL., INF; B.S.; C&GS, AFSC <i>Cadet Company Tactical Officer</i>	19 Jul. '46
ZERNICK, GISELA M., 1ST LT., ANC; R.N. <i>Hospital Staff</i>	9 Sep. '49

MISSION OF THE UNITED STATES MILITARY ACADEMY



The mission of the United States Military Academy is to instruct and train the Corps of Cadets so that each graduate will have the qualities and attributes essential to his progressive and continued development throughout a lifetime career as an officer of the Regular Army or Air Force. (AR 350-5, dated 12 September 1946.)

HISTORY OF THE UNITED STATES MILITARY ACADEMY 1802—1949



The United States Military Academy was established officially on 16 March 1802 at West Point, a key Hudson River military fortress during the Revolution, and was opened on 4 July 1802.

Two compelling reasons made the formation of an American military academy at that time both logical and necessary: the experience of the Revolutionary War; and the ominous international political situation when Thomas Jefferson became President in 1801.

The experience of the Revolutionary War, during which America had to rely in large part on foreign drillmasters, artilleryists, and trained engineers, made the military and political leaders of the day energetic backers of a military academy. The earliest proposal was in 1776 by Colonel Henry Knox who recommended "An Academy established on a liberal plan . . . where the whole theory and practice of fortification and gunnery should be taught." The papers of General Benjamin Lincoln, General Jedediah Huntington, Secretary of War Timothy Pickering, John Adams, Alexander Hamilton, and George Washington mention time and again the need for an academy. In his annual messages to Congress, Washington always included a plea that the Congress provide facilities for the study of military art. In 1797 in his Eighth Annual Address, for example, he said:

The institution of a military academy is also recommended by cogent reasons. However pacific the general policy of a nation may be, it ought never to be without a stock of military knowledge for emergencies. . . . [The art of war] demands much previous study, and . . . [knowledge of that art] . . . in its most improved and perfect state is always of great moment to the security of a nation. . . . For this purpose an academy where a regular course of instruction is given is an . . . expedient which different nations have successfully employed.

The military academies that "different nations" had "successfully employed" and that Washington likely had in mind were England's Royal Military Academy at Woolwich, founded in 1741, and France's Ecole Polytechnique, founded in 1794. The Royal Military College at Sandhurst in England was founded the same year as our own Academy, 1802. And Washington quite obviously realized that complete independence for America called not only for the severance of political ties

from England and the formation of an independent political state, but also independence in every facet of national life and culture: in law, religion, agriculture, shipbuilding, trading, manufacturing, and in military science. How deeply he continued to feel about the need for an Academy appears in a letter written two days before his death and addressed to Alexander Hamilton:

The establishment of an Institution of this kind, upon a respectable and extensive basis, has ever been considered by me as an object of primary importance to this country; and while I was in the Chair of Government, I omitted no opportunity of recommending it, in my public speeches and other ways, to the attention of the Legislature.

The second compelling reason for the immediate establishment of an American Military Academy was the ominous international political situation of 1801-2. The previous two decades had been troublesome ones. The weak and ineffectual Articles of Confederation and Perpetual Union, trouble with the Barbary pirates, Shay's rebellion, boundary disputes, frontier battles, currency quarrels: these had plagued the young nation, and now it was threatened by the danger of involvement in the complexities that were coming as an aftermath of the French Revolution of 1789. Public opinion moved toward more energetic national government and better trained armed forces. So it was that Congress by its Act of 16 March 1802 authorized a Corps of Engineers, set its strength at 5 officers and 10 cadets, and provided that it be stationed at West Point in the state of New York, and should constitute a Military Academy.

The garrison site of West Point, consisting of 1,795 acres purchased from Stephen Moore in 1790, had been occupied by the army since 1778. Hence barracks and other buildings, while inadequate, were available for housing and instruction; and Major Jonathan Williams, grandnephew of Benjamin Franklin and Chief of the Corps of Engineers, who had been appointed as the first Superintendent, was able to open the Academy on 4 July 1802 with 10 cadets present.

The initial purpose of the Academy was to train military technicians for all branches of the military service, to encourage the study of military art nationally and thus raise the level of training of the militia, and to encourage the practical study of every science. This last, it should be noted, at a time that other American academic institutions looked at the sciences with suspicion and hostility. How well the Academy succeeded in its purpose for the first ten years of its existence was summarized by the most authoritative historian of that period of American life, Henry Adams. In his *History of the United States* (9 vols., 1889-91), covering the Jefferson and Madison administrations, Adams offers the tribute that American scientific engineering ". . . owed its efficiency and almost its existence to the military school at West Point established in 1802."

Early in the year 1812 the growing threat of war with England impelled Congress to pass the Act of 29 April 1812 by which the strength

of the Corps of Cadets was increased to 250, the academic staff enlarged, and the cadets placed under the discipline of published regulations. A chaplain was authorized who in addition to his religious duties was "to officiate as Professor of Geography, Ethics, and History." The Act required also that the cadets be taught "all the duties of a private, a non-commissioned officer, and an officer." This requirement, says Emory Upton in *The Military Policy of the United States* (1904), was the "key to the character for efficiency and discipline which the graduates have since maintained."

The record of the War of 1812 shows that the Academy graduates served their country well. A quarter of the more than one hundred—all under thirty years of age—who saw action were killed or wounded; and not one of the fortifications constructed under their direction was captured. Henry Adams was appreciative of their technical skill. "During the critical campaign of 1812," he wrote, "the West Point Engineers doubled the capacity of the little American army for resistance."

The experience of the War of 1812, that gave the nation new self-assurance, affected the Academy's educational aims in the period of peace which followed. No longer was the enemy an immediate threat on our borders; American nationality had been firmly established. National interest called now for canals, roads, railroads, and the exploitation of the soil and its mineral wealth. The accurate mapping of rivers, the deepening of their channels, the constructing of lighthouses and beacon lights: these were needed to make communication easier. And the preliminary work of prospecting and surveying had to be done.

That the Academy graduates of this era were men who through force of character and training could assume leadership in the performance of these tasks was due largely to the genius of Colonel Sylvanus Thayer, Superintendent from 1817 to 1833. The "Father of the Military Academy" had one ideal before him: to produce men who would be trained and worthy leaders. He demanded of the cadets excellence of character and excellence of knowledge, the two integrating qualities of such leadership. But he knew that to achieve his ideal he must master and guide the day-to-day routine of the Academy, and so it was that he let no detail of character training or discipline, of curriculum content, of textbooks, of teaching methods, of extra-curricular activities, of physical plant escape his attention.

Thayer grasped at once the need of the country for engineers, and therefore made courses in civil engineering the core of the curriculum. Under his direction, instruction in that subject eventually included the properties, preparations, and use of materials for construction; the art of construction generally, including decorative architecture; the manner of laying and constructing roads; the construction of bridges; the principles regulating the removal of obstructions impeding river navigation; the survey, location, and construction of canals and railroads; and the formation of artificial and the improvement of natural harbors.

A list of the Academy's achievements in the field of civil engineering that can be attributed to the farseeing genius of Thayer would include trigonometrical and topographical surveying; methods of triangulation; magnetic declination; and the systems used in locating, surveying, and dividing the public lands of the United States. Francis Wayland Brown, the scholarly president of Brown University from 1827 to 1855, said in 1850 in a report to the Corporation of Brown University that the Academy graduates did "more to build up the system of internal improvement in the United States than [the graduates of] all other colleges combined."

To help him by outside criticism of his work, Thayer had the aid of a Board of Visitors. A Regulation for the Government of the Military Academy, approved by Secretary of War William H. Crawford on 1 July 1815, provided for the appointment of such a Board to consist of five "competent gentlemen," with the Superintendent as President, who should attend at each of the annual and semi-annual examinations and report thereon to the Secretary. This excellent custom of a Board of Visitors, with a few intermissions and some changes in the manner of their appointment, has lasted to the present day. From the beginning their criticism was pertinent and helpful; nor is this surprising when the long list of those who have been members is scanned, for thereon the names of men like Edward Everett, George Bancroft, George Ticknor, Horace Mann, and Daniel Coit Gilman appear. Thayer knew the value of the intelligent lay point of view and welcomed the Boards' comments on his curricular shift to civil engineering, his innovations in educational method, and his system in general.

His innovations in educational methods ensured that the cadets not only learned but retained their subjects. Basically, he demanded that the cadets develop habits of mental discipline and maintain standards of scholarship that have grown in importance the more they have been tested through the years. He emphasized habits of regular study; he laid down the rule that every cadet had to pass every course—any deficiency had to be made up within a specified time or the cadet would be dropped. To carry out these rigorous standards he limited the classroom sections to from 10 to 14 members; he rated these sections from high to low and directed that cadets be transferred from one to the other as their averages rose or fell.

These methods and standards of Thayer's system are still used at the Academy, and Thayer's insistence on leadership integrated by excellence of character and excellence of knowledge has been the cornerstone of the Academy's training since his day. Emerson, visiting West Point in 1863, spoke of the "air of probity, of veracity, and of loyalty" the cadets had; and when in 1898 the present coat of arms was adopted, the motto thereon of "Duty, Honor, Country" was but a later generation's attempt to put Thayer's ideal into words.

To the casual student it might seem that until about 1860 West Point was filling the almost dual roles of national military academy and of

national school of civil engineering. But despite the curricular emphasis on civil engineering and the renown of her graduates in that field, the Academy never forgot her deepest and most abiding obligation to the nation: to send forth graduates trained in the art and science of war. That the obligation was fulfilled is attested for these early years by the records of the Mexican and Civil Wars. The record of the Mexican War is told best in the words of General Winfield Scott:

I give it as my fixed opinion, that but for our graduated cadets, the war between the United States and Mexico might, and probably would, have lasted some four or five years, with, in its first half, more defeats than victories falling to our share; whereas, in less than two campaigns, we conquered a great country and a peace, without the loss of a single battle or skirmish.

The record of the Civil War shows that the Confederacy used graduates whenever and wherever possible; the Union, in the beginning, used "political" generals. Defeat after defeat proved the worthlessness of the politicians and in the last year of the war all senior commanders of the Union armies were Academy graduates.

After the Civil War, changing conditions necessitated a shift in the Academy's curriculum away from the emphasis on civil engineering. The first Morrill Land-Grant Act of 1862, granting Federal land to each state "for the endowment, support, and maintenance of at least one college where . . . military tactics . . . [and] . . . such branches of learning as are related to agriculture and the mechanic arts [shall be taught]," enabled American education to be enormously expanded. The new technical and engineering schools that sprang up soon shouldered the Academy aside from its position of lone dominance in the engineering field. But even had these new schools not come into being, the Academy would have found it impossible to keep on producing both adequately trained Army officers and adequately trained engineers. The tremendous expansion of the body of scientific knowledge during these years—the last half of the nineteenth century—was enforcing specialization in all technical fields. And since the science of war likewise expanded greatly it became obvious that the Army officer would need specialization in his particular branch of service.

The Academy met these changed conditions by severing its direct relationship with the Corps of Engineers; from 1866 on it was no longer mandatory that the Superintendent be a member of that Corps. To take care of officer-specialization demand, several Army postgraduate schools were set up, and West Point gradually came to be looked on as only the initial step in the Army officer's education. As the Academy approached its centennial, the military objective of the curriculum came to be the giving of general instruction in the elements of each military branch.

After its centennial, in 1902, the Academy underwent a thoroughgoing structural renovation and became known as the New West Point. Coincident with this reconstruction, General Albert L. Mills, the Superintendent, had the entire curriculum, military and academic, reassessed.

As a result, military instruction was transformed from a series of mechanical drills to practical training in minor tactics and field work. Complete correlation was developed between instruction and actual field conditions. One of Mills's special hobbies was English; he believed that the Army officer should be able to express himself clearly in speech and writing. To that end he strengthened greatly the course in English. A gradual liberalization of the curriculum went on until the outbreak of World War I.

World War I tested and proved as never before the soundness of the Academy's curriculum and training. Although in order to meet the sudden and great demand for trained officers the course was shortened and a number of classes graduated early, the qualities and abilities of the graduates remained high.

After the close of the war the Academy's further development was placed in the hands of General Douglas MacArthur, who became Superintendent on 12 June 1919. General MacArthur's primary concern was an adaptation of the curriculum in terms of the recent war. It was known, for instance, that the concept of total war, new in military history, required cadets to have a knowledge of national production, transportation, and social problems; that something of the new developments in weapons and tactics had to be incorporated into cadet instruction; and that shortcomings in the officers' physical development, seen clearly in the stress of battle, made a longer and more vigorous physical training program necessary. But at the same time it was realized that the tremendous advances in the art and science of war, made under the pressure of actual conflict, presaged further development of Army postgraduate schools, and hence a growing emphasis upon a more broadly conceived basic curriculum at West Point. The belief was reached that the Academy would serve best by giving the cadets a combination of general and technical education, in this way providing a solid foundation for a professional military career.

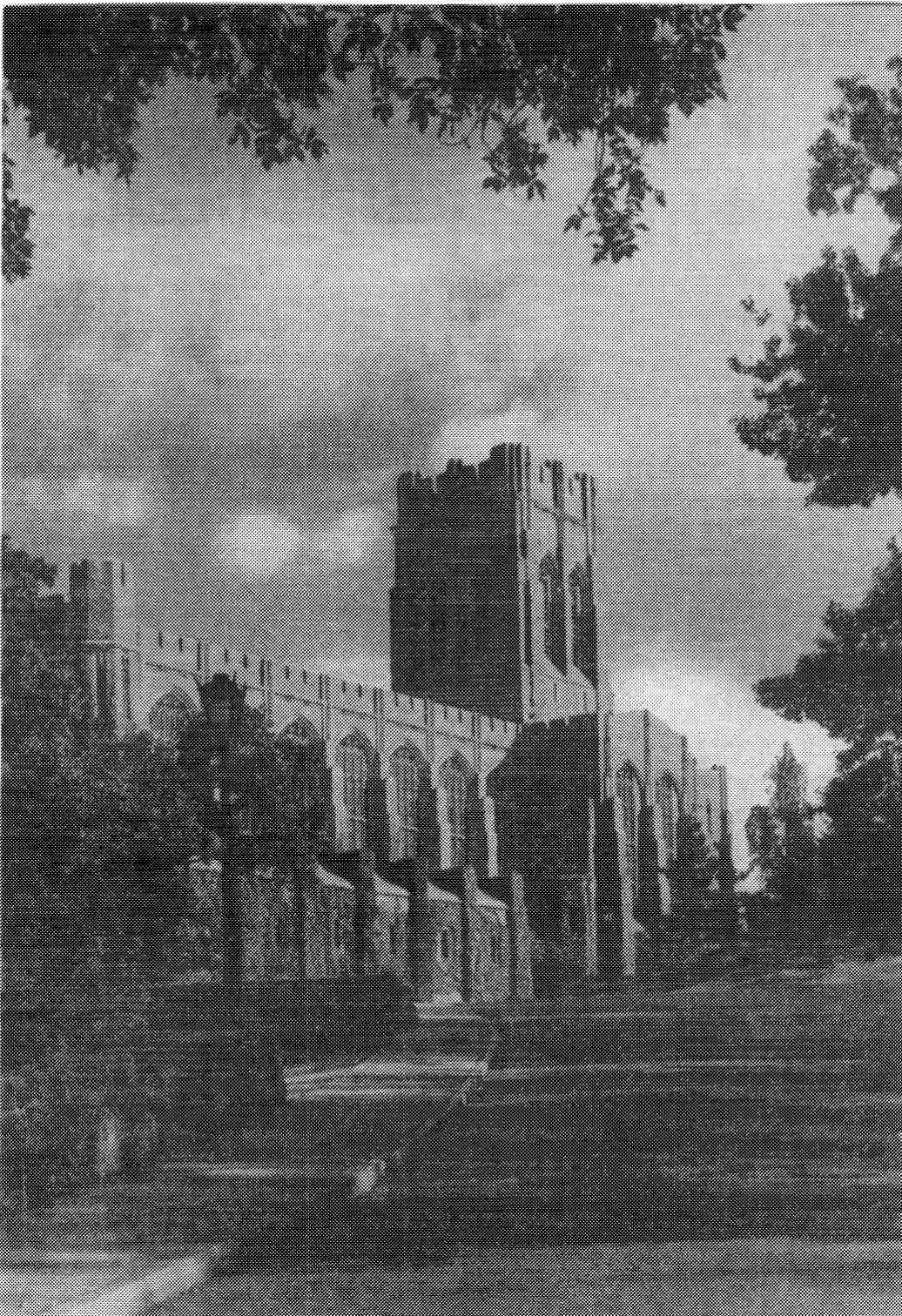
The part of the curriculum General MacArthur changed with the greatest vigor was that relating to physical education. He believed firmly that physical fitness was a basic requirement of an officer; and he planned a strenuous program of compulsory gymnastic instruction complemented by an intramural program of 14 sports in which every cadet had to take part. The wisdom of his foresight has been reflected ever since in the excellent physical condition of all cadets at all times.

Other curricular reforms during the nineteen twenties and nineteen thirties were in academics. Soon after General MacArthur's incumbency the policy of a liberal as well as a technical education got renewed emphasis by the introduction of a course in Economics and Government under the Professor of English and History. In 1926 the Department of English and History was reorganized into the Department of Economics, Government, and History; and a separate Department of English established. In succeeding years curricular reforms took place in modern languages, natural philosophy, and mathematics.

All phases of training were greatly intensified during the rearmament years, 1939-41; and the part played by its graduates in World War II seemed to justify the teaching and the courses at the Academy. But much was learned from World War II; there were revised concepts of what professional military education should mean. In 1945 a special Board of Consultants, civilian and military, made a study of the curriculum and as a result of their recommendations a number of changes were made. Among these were expansion of the work in English and in international relations; and the introduction of courses in electronics, economic and industrial geography, and military psychology and leadership. At the present time the humanities comprise about forty per cent of the curriculum; the sciences about sixty per cent.

The latest curricular addition is a program of Studies in National Security, set up in 1949. Actually it is a shift in emphasis and not a curricular change. The general object of the program is the orientation of all courses, both military and academic, to the problem of national security today; the more pertinent courses have been completely coordinated and their direction and emphasis brought into common focus.

And yet while modifying its academic or military training whenever the need arises, the Academy builds always on the cornerstone of the Thayer system: leadership integrated by excellence of character and excellence of knowledge.



BUILDINGS AND GROUNDS

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The military reservation at West Point consists of a little more than fifteen thousand one hundred acres. The original purchase was seven-teen hundred and ninety-five acres and was made from Stephen Moore in 1790; additional purchases made in 1824, 1879, 1889, 1903, 1905, and 1909 brought the acreage to about thirty-five hundred and ninety-six.

From 1938 to 1943 the acreage was quadrupled by the purchase of ten thousand two hundred and eighteen acres to allow for the expansion of the Academy demanded by the war. A final purchase of twelve hundred and eighty-six acres in 1945 made up the present total.

Of this total twenty-five hundred and forty-six acres are the Post proper; they comprise the area lying south of Storm King Mountain between the old Storm King Highway and the Hudson River. Access to the Post proper is by three gates: the Thayer Gate (South Gate), from Highland Falls; the Lee Gate (North Gate), from the old Storm King Highway (Route NY 218); and the Washington Gate (West Gate), from the new Storm King Highway (Route US 9W).

The expansion since 1938 has been toward the west almost as far as Central Valley and toward the south almost as far as Route US 9. Route NY 293 runs from southwest to northeast on about the mid-line of the entire reservation.

ACADEMIC BUILDINGS. *See* East Academic Building, West Academic Building.

ADMINISTRATION BUILDING (1909). Designed by Cram, Goodhue, and Ferguson in Gothic style. It is located on Thayer Road and contains the offices of the Superintendent, the Dean, the Academic Board, the Post Staff, and the Registrar. The Post Office and the Telegraph Office are on the ground floor. The Museum and the USMA Press occupy portions of the building.

BARRACKS. *See* Central Barracks, New North Barracks, North Barracks, South Barracks.

BASEBALL FIELD. *See* Doubleday Field.

BATTLE MONUMENT (1897). Designed by Stanford White, executed by Frederick MacMonnies. Located at Trophy Point at the northern limit of the Plain, and a little to the west of the Washington Monument. It is dedicated to the memory of the privates and officers of the Regular Army killed in action in the Civil War.

CADET CHAPEL (1910). Designed by Cram, Goodhue, and Ferguson in Gothic style. Located west of, and 300 feet above, the cadet barracks, it dominates the Post proper. The stained glass window over the altar has twenty-seven panels, each depicting a militant Biblical character. The window at the entrance pictures the Revelation of St. John the Divine; it shows also the designs of the Medal of Honor and the Distinguished Service Cross. The windows in the nave are gifts of the several classes; the flags hanging in the nave were used in the War of 1812, the Mexican, Civil, and Spanish-American Wars. The Chapel Organ is the largest church organ in the Western Hemisphere, and contains over 14,000 pipes. The seating capacity is fifteen hundred.

CAMP BUCKNER (1945). The summer training camp for third classmen, located on the reservation about five miles west of the Post proper, and known formerly as Camp Popolopen. It was renamed in honor of Lt. Gen. Simon Bolivar Buckner, USMA 1908, killed at Okinawa in 1945.

CATHOLIC CHAPEL. *See* Chapel of the Most Holy Trinity.

CEMETERY (1816). Located at Washington and Ruger Roads. Among others, it contains the graves of Margaret Corbin, Revolutionary War heroine, and of Generals Scott, Custer, and Goethals.

CENTRAL BARRACKS (1854, 1882, 1921). The designers of the 1854 and 1882 sections are not known, although it is likely that Major Richard Delafield had much to do with the design of the 1854 section and a Board of Engineers with the 1882 section. Captain A. B. Proctor, Quartermaster Corps, designed the 1921 section. All are in Tudor style. The three sections form three sides of a rectangle of which the West Academic Building, located at Thayer and Jefferson Roads, forms the fourth side. The headquarters of the Commandant of Cadets is in a wing at the eastern end of the south section.

CHAPEL. *See* Cadet Chapel, Chapel of the Most Holy Trinity, Old Cadet Chapel, Post Chapel.

CHAPEL OF THE MOST HOLY TRINITY (1900). Designed by Heins and La Forge in Gothic style. Located at Mills and Washington Roads, on a sharp rise of ground, this Roman Catholic chapel is a copy of the St. Ethelreda Carthusian abbey parish church in county Essex, England. The seating capacity is four hundred.

CLINTON FIELD. Located immediately north of Doubleday Field and west of Fort Clinton. The name of the field derives from the Fort, that was called Clinton after the Revolutionary War general. The Fort had originally been called Fort Arnold; after Arnold's treason the name was changed. Clinton Field was the site of the cadets' summer encampment from 1819 to 1942. It is used now for soccer, football, etc.

CONSTITUTION ISLAND. Donated to West Point in 1909 by Mrs. Russell Sage and Miss Anna B. Warner. About two hundred and eighty

acres, it is located opposite the north area of the Post Proper. One end of the Great Chain, stretched across the Hudson to obstruct British navigation of the river during the Revolutionary War, was anchored in Martelaer's Rock, at the western point of the island.

CULLUM MEMORIAL HALL (1899). Designed by McKim, Mead, and White in Greco-Roman style. Located on the east side of Cullum Road, across from Doubleday Field, and named after Major General George W. Cullum, USMA 1833, Superintendent, 1864-1866, who gave it to house trophies of war and "statues, busts, mural tablets and portraits of distinguished deceased officers and graduates of the Military Academy."

DELAFIELD POND (1937). The outdoor swimming pool, located on Delafield Road. Named after Major General Richard Delafield, USMA 1818, Superintendent, 1838-1845 and 1856-1861.

DOUBLEDAY FIELD (1939). Baseball field, located between Thayer and Cullum Roads, east of The Parade. Named in honor of Major General Abner Doubleday, USMA 1842, who is said to have laid out the first modern baseball diamond at Cooperstown, N. Y., in 1839.

EAST ACADEMIC BUILDING (1913, 1938). The original building, 1913, was designed by Cram, Goodhue, and Ferguson; the east wing, 1938, by Paul Philippe Cret. Both are in Gothic style. Located between Thayer and Cullum Roads, north of the Administration Building. In addition to classrooms and laboratories it contains the offices of the Departments of Electricity, Foreign Languages, Mechanics, Military Art and Engineering, and Physics and Chemistry.

FIELD HOUSE (1939). Designed by Paul Philippe Cret. Located on Tower Road southwest of the West Shore Railroad. Used for indoor athletics and drill, and for graduation ceremonies.

FIELDS. See Clinton Field, Doubleday Field, Howze Field, Michie Stadium.

FLIRTATION WALK. A foot trail, cut shortly after the Civil War, that extends three-quarters of a mile along the river from Cullum Road to Battle Monument. It is open only to cadets and their guests. The earliest mention of it is in 1867.

FOOTBALL FIELD. See Michie Stadium.

FORT CLINTON (1778). Designed and begun by Lt. Col. Louis de la Radière and completed by Col. Thaddeus Kosciuszko. Located at Cullum Road and Clinton Place. Originally called Fort Arnold, but after Arnold's treason in 1780 renamed Fort Clinton, after General George Clinton.

FORT PUTNAM (1778; partly restored, 1907-10). Designed by Col. Thaddeus Kosciuszko and built by troops of General Rufus Putnam. It is located on Mount Independence, 451 feet above tidewater, and is reached by foot trail from Mills Road.

FRENCH CADET MONUMENT (1919). Presented by the cadets of L'Ecole Polytechnique. Located on The Parade directly opposite Central Barracks.

GRANT HALL (1931). A wing of South Barracks on Thayer Road directly across from the Administration Building. It is the cadet reception hall and contains the office of the cadet hostess.

GREAT CHAIN. The chain stretched across the Hudson from just north of Gee's Point to Martelaer's Rock on Constitution Island to obstruct navigation of the river by the British during the Revolutionary War. It was fastened in place on 11 April 1781. A number of the links are at Trophy Point.

GYMNASIUM (1910, 1933, 1937, 1947). The East Gymnasium (1910) was designed by Cram, Goodhue, and Ferguson; the North Gymnasium (1933) by the Quartermaster Corps; the West Gymnasium (1937) by Paul Philippe Cret; and the Central Gymnasium (1947) by Delano and Aldrich. All are in Gothic style. The gymnasium buildings are west of the Superintendent's quarters and north of New North Barracks.

HEADQUARTERS BUILDING. See Administration Building.

HOSPITAL (1884, 1923, 1944). Architect for older portions unknown. Extensive additions and alterations were done in 1923, William Gehron, architect; and in 1944, York and Sawyer, architects. Located on the west side of Thayer Road, south of Grant Hall.

HOTEL. See U. S. Hotel Thayer.

HOWZE FIELD. Located directly south of Michie Stadium, and bounded by Mills Road on the east, by Howze Place on the south, and by Delafield Road on the west. A large recreation field, it is named in honor of Major General Robert Lee Howze, USMA 1888, commandant of cadets, 1905-1909.

KOSCIUSZKO MONUMENT (1828). Designed by John H. Latrobe, USMA 1822. Located to the north of Fort Clinton. Given by the Corps of Cadets in honor of Colonel Thaddeus Kosciuszko, who helped plan the fortifications at West Point during the Revolutionary War.

LIBRARY (1841, 1900). Designed by Major Richard Delafield in Tudor style. Located at Jefferson and Cullum Roads, it was intended originally to house Post Headquarters, the Department of Natural and Experimental Philosophy, and the Astronomical Observatory. The central tower was surmounted by a traveling dome, resting on six 24-pound cannon balls that turned in cast-iron grooves. About 1900 the building was remodeled to adapt it to library purposes only.

MICHIE STADIUM (1924). The football stadium, between Delafield and Mills Roads, west of the reservoir. Named for 1st Lt. Dennis Mahan Michie, USMA 1892, captain of the first West Point football

team, killed in action at San Juan, Cuba, in 1898. The seating capacity is about twenty-eight thousand.

MONUMENT. See Battle Monument, French Cadet Monument, Kosciuszko Monument, Sedgwick Monument, Thayer Monument, Washington Monument.

MUSEUM. Located on the second and third floors in the northwest corner of the Administration Building. The collections date from 1777 and represent every war in which the United States has fought.

NEW NORTH BARRACKS (1939). Designed by Paul Philippe Cret in Gothic Style. Located south of the gymnasium and west of North Barracks. Sometimes called West Barracks.

NORTH BARRACKS (1908). Designed by Cram, Goodhue, and Ferguson in Gothic style. Located at Jefferson Road and Scott Place. The chaplain's office is on the ground floor in the southeast corner.

OBSERVATORY (1883). Architect unknown. Located on Observatory Hill, between Stewart Road and Scofield Place. It is no longer used.

OFFICERS' CLUB. See West Point Army Mess.

OLD CADET CHAPEL (1837). Architect unknown. Designed in Greco-Roman style. It was located originally where the East Academic Building now stands; in 1911 it was moved to its present site at the entrance to the cemetery. The American artist, Robert W. Weir, professor of Drawing at the Academy from 1834 to 1876, painted the mural that hangs on the wall behind the altar. The chapel is used now for Jewish religious services. The seating capacity is about five hundred.

ORDNANCE LABORATORY (1939). Designed by Paul Philippe Cret in Gothic style. Located on Howard Road.

THE PARADE. The drill and parade field, bounded by Jefferson Road on the south and west, by Thayer Road on the east, and by Washington Road on the north.

THE PLAIN. That portion of the grounds embracing The Parade, Clinton Field, and Doubleday Field.

POPOLOPEN. See Camp Buckner.

POST CHAPEL (1944). Constructed from a standard design used during World War II for chapels erected on military reservations. Located between Merritt Road and Biddle Loop. The seating capacity is four hundred and fifty.

POWER HOUSE (1909, 1945, 1947). The original building was designed by Cram, Goodhue, and Ferguson in Gothic style; the alterations of 1945 and 1947 were done by the Quartermaster Corps. Located just south of the Riding Hall on Cullum Road.

RIDING HALL (1911). Designed by Cram, Goodhue, and Ferguson in Gothic style. Located on Cullum Road, east of the Administration Building and the East Academic Building. Current plans call for its conversion to an academic building.

SEDGWICK MONUMENT (1868). Dedicated to the memory of Major General John Sedgwick, USMA 1837, killed at Spottsylvania, 1864. The monument is made of cannon captured by his corps. Located at the northwest corner of The Parade.

SMITH RINK (1931). The indoor ice-skating rink located on the east side of Mills Road, south of the reservoir. It is named after Major General William R. Smith, USMA 1892, Superintendent, 1928-1932.

SOUTH BARRACKS (1931). Designed by William Gehron in Gothic style. Located at the southwest corner of Thayer and Brewerton Roads.

STADIUM. See Michie Stadium.

SUPERINTENDENT'S QUARTERS (1820). Architect unknown. Designed in colonial style, and located on Jefferson Road. Colonel Sylvanus Thayer was the first Superintendent to live there. Directly to the north are the Commandant's Quarters at the southwest corner of Parke and Washington Roads; across Parke Road at the northwest corner of the same intersection are the Dean's Quarters.

THAYER MONUMENT (1883). Dedicated to Colonel Sylvanus Thayer, the "Father of the Military Academy." Located on The Parade directly across from the entrance to Washington Hall.

TROPHY POINT. A small plot of ground located north of The Parade where are grouped many trophies captured in war by American forces. Several links of the Great Chain are there.

U. S. HOTEL THAYER (1926, 1948). Architect unknown. Located on the east side of Thayer Road, just inside the Thayer Gate. It is owned by the Government and is designed in Tudor style. Including the addition completed in 1948, there are accommodations for five hundred.

UTILITIES BUILDING (1935). Designed by the Quartermaster Corps in Tudor style. Located at Ruger and Tower Roads. It contains the Post Exchange and the Commissary; and the offices of the Post Engineer, the Post Quartermaster, and the Post Transportation Officer.

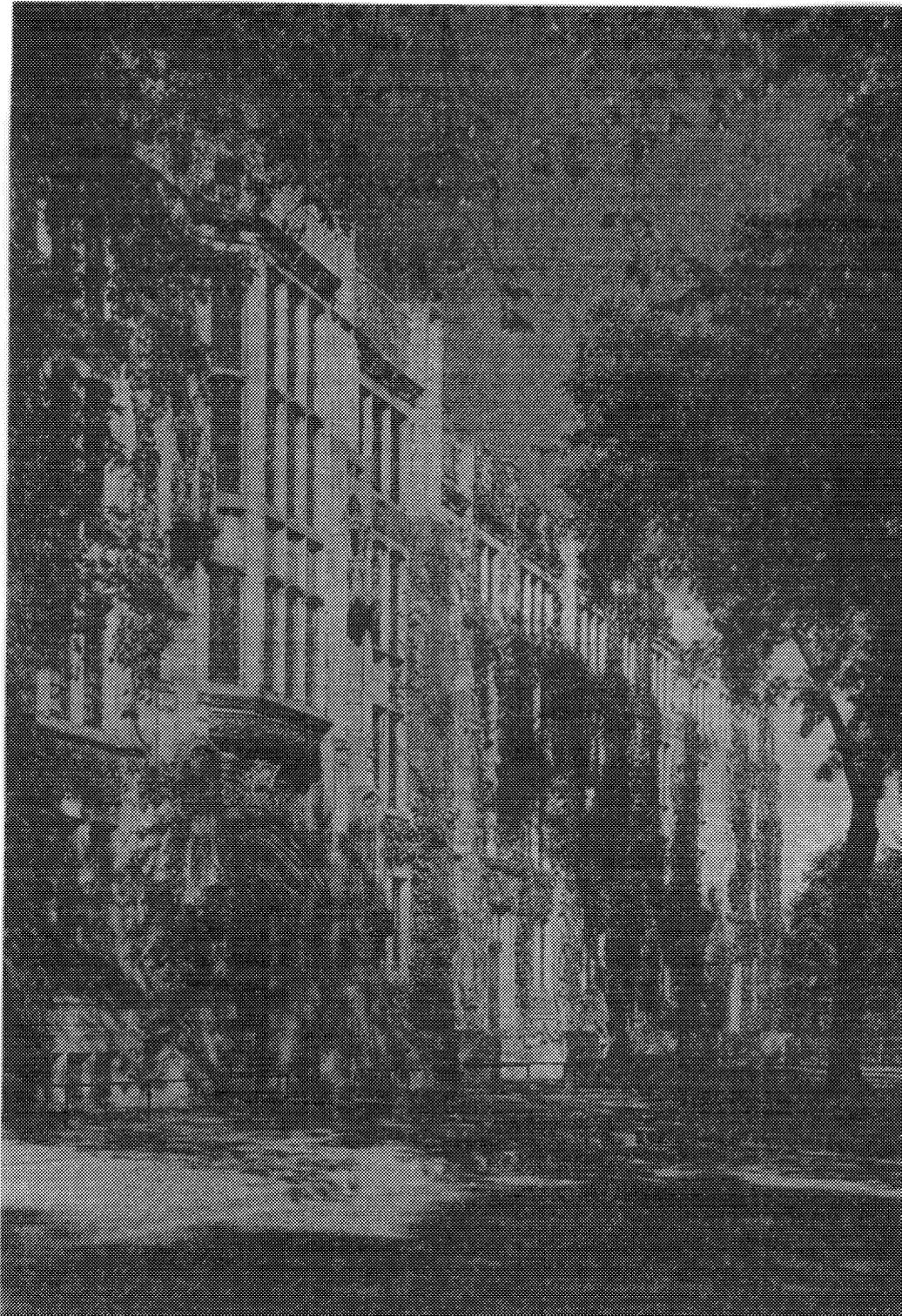
WASHINGTON HALL (1929). Designed by William Gehron in Gothic style. Located on Jefferson Road between Central Barracks and North Barracks. It is the Cadet Dining Hall, and has a seating capacity of twenty-five hundred. The offices and drawing rooms of the Department of Military Topography and Graphics are on the fifth floor.

WASHINGTON MONUMENT (1916). Located in the circle at the corner of Cullum and Thayer Roads. It is a replica of the Washington Monument in Union Square, New York City.

WEST ACADEMIC BUILDING (1895). Designed by Richard M. Hunt in Gothic style. Located on Thayer Road across from the East Academic Building. In addition to classrooms it contains the offices of the Departments of English, Law, Mathematics, Ordnance, and Social Sciences.

WEST BARRACKS. See New North Barracks.

WEST POINT ARMY MESS (1903). The official name of the Officers' Club. Designed by McKim, Mead, and White in Classic style. Located on Cullum Road, south of Cullum Hall.



APPOINTMENTS AND ADMISSIONS

I. ADMISSION TO WEST POINT

The requirements for admission to the Military Academy differ somewhat from those for admission to a civilian college or university. In the sections that follow, the different ways of entering West Point are set forth in detail. Each candidate should study carefully those which apply to his individual case. The paragraphs immediately below summarize briefly the steps which *all* candidates must take.

The initial step in gaining admission is to secure a nomination. No one is permitted to take the entrance examinations unless he has been designated a nominee by one of the nominating authorities. Usually the candidate obtains his nomination either from his Representative in Congress or from one of the Senators from his state. Other sources of nomination are described in detail in Section II of this chapter. No one is eligible for an appointment unless he has had his 17th birthday and has not had his 22nd birthday on July 1st of the year in which he seeks admission (exceptions are made for World War II veterans).

The second step is to satisfy the mental and physical requirements for admission to the Academy. For the vast majority of candidates these requirements are met by means of entrance examinations held during the first week in March each year (a supplemental examination is held in June for certain classes of appointees). The entrance examination is in three parts: a mental examination, a medical (physical) examination, and a physical aptitude test.

The mental examination required of a candidate depends upon the kind of nomination he has received and upon the extent of his education. Any candidate who has graduated from high school with good grades, particularly in mathematics and English, should be able to pass the mental examination.

All candidates must take the medical examination. To qualify in this examination a candidate must be in good health, have no deformities, and have good vision and hearing. All candidates must also pass the physical aptitude test. This test requires that a candidate have the physical co-ordination and agility normally found in active young men in their late teens.

After a candidate has secured his nomination and taken all the examinations, he is notified whether or not he is eligible. If eligible, and if a vacancy exists under the terms of his nomination, he reports at West Point on the first weekday of July. At that time he is sworn in as a cadet of the United States Military Academy and assumes an obligation to serve in the Army or Air Force for at least four years after graduation.

Detailed statements of the general, scholastic, medical, and physical aptitude requirements are contained in Section III of this chapter. Each candidate should make a careful study of the scholastic requirements in particular to find out specifically in what category he falls. Once a candidate has succeeded in securing a nomination he will receive definite instructions from The Adjutant General, Department of the Army, concerning further action on his part that is necessary to complete his admission requirements.



II. APPOINTMENTS

1. GENERAL

Admission to the Military Academy may be gained only by appointment to one of the 2496 cadetships authorized by law. Graduation of the senior class normally leaves about 750 vacancies each year. Candidates may be nominated for these vacancies only during the year preceding the admission date, the first weekday in July.

All appointments are made by the President of the United States from among candidates who have been nominated by the various nominating authorities listed below and who have been found fully qualified in all respects.

2. SOURCES OF NOMINATION

The 2496 cadetships authorized at the Military Academy are allocated among the various sources of nomination as follows:

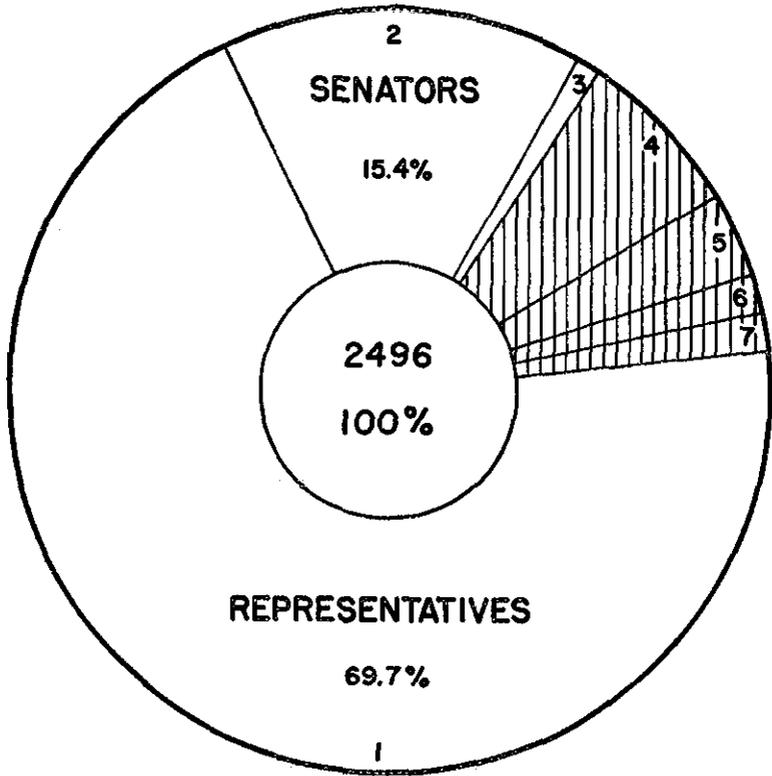
Noncompetitive

1—Representatives (4 each)	1,740
2—Senators (4 each)	384
3—Miscellaneous	
Hawaii & Alaska, 4 each	8
District of Columbia	6
Panama Canal Zone	2
Puerto Rico	4
Vice-Presidential	3
Total Miscellaneous	23

Competitive

4—Regular Army & National Guard	180
5—Presidential	89
6—Sons of Deceased Veterans	40
7—Honor Military Schools	40
Total	2,496

a. *Noncompetitive*—Nomination of candidates for appointment from noncompetitive sources (whether or not based upon preliminary competitive examination) is entirely in the hands of the nominating authority who has the cadetship at his disposal, and all applications must be addressed to him. For each vacancy four candidates may be nominated: one to be named as principal, one as first alternate, one as second alternate, and one as third alternate. The first alternate, if qualified, will be admitted if the principal fails; the second alternate, if qualified, will be



	NONCOMPETITIVE	86%
	COMPETITIVE	14%

admitted if both the principal and first alternate fail; and the third alternate, if qualified, will be admitted if the principal and the first and second alternates fail. The law requires that candidates appointed from States at large, congressional districts, the Territories, the District

of Columbia, or the island of Puerto Rico, must be actual residents of the geographical unit from which nominated.

(1) Vice-Presidential

The Vice-President may nominate candidates from the United States at large.

(2) States at Large and Congressional Districts

The nominating authorities of the states at large are the United States Senators; of the congressional districts, the Representatives in Congress. *The great majority (85%) of all appointments are controlled by these two groups.* Inasmuch as many Congressmen hold their own competitive examinations to facilitate selection of the best qualified applicants, candidates seeking Congressional nomination should apply to their Senators and Representatives at the earliest possible date.

(3) Territories, District of Columbia, and Puerto Rico

Nominating authorities for these vacancies are the following:

Territory of Alaska—Delegate in Congress

Territory of Hawaii—Delegate in Congress

District of Columbia—Commissioners of District of
Columbia

Puerto Rico—The Resident Commissioner

(4) Panama Canal Zone

Appointments are made upon nomination of the Governor of the Panama Canal Zone. They are restricted by law to the sons of civilian personnel of the United States Government and the Panama Railroad Company.

b. Competitive—Appointments to vacancies within competitive groups are awarded to those fully qualified candidates within each category who attain the highest scores on the USMA Regular Examination in mathematics and English. Candidates for these vacancies can qualify only by taking the USMA Regular Examination on the 1st Tuesday in March, regardless of the extent of their education and regardless of performance on entrance examinations of previous years. Failure of a competitive candidate to report for the March examination—regardless of the circumstances—will vacate his nomination. There is no restriction on the residence of any competitive candidate, except that National Guard appointees must reside in the state from which they are appointed.

(1) Regular Army and National Guard

One hundred and eighty (180) cadetships at the Military Academy are divided equally between enlisted men of the Regular Army and of the National Guard. On or about 1 June each year The Adjutant General estimates the number of vacancies that will be available for appointments to the class entering the Military Academy on 1 July of the

following year. The number of candidates selected to compete for admission is four times the number of available vacancies. Selection for Regular Army vacancies is made from among all Army and Air Force competitors regardless of the command from which nominated; for National Guard vacancies, from among all National Guard competitors regardless of the State, Territory, etc., from which nominated.

(a) *Regular Army*

An applicant must have reached his nineteenth birthday and have completed at least one full year of active enlisted service in the Army or Air Force on the date of his admission to the Military Academy. Although his service need not have been continuous, he must be in an active enlisted status at the time of his admission. Candidates are selected nearly one year in advance of the scheduled date of admission to permit them to attend the USMA Preparatory School. A Department of the Army circular, published annually on or about 1 May, gives detailed directions about making application for Regular Army appointments.

(b) *National Guard*

An applicant must be an enlisted man of a federal unit of the National Guard at the time of nomination and at the time of his admission to the Military Academy. He must have reached his nineteenth birthday and must also have served as an enlisted man in the National Guard not less than 1 year preceding the date of his admission. It is not essential that the service have been continuous. Service with a National Guard organization prior to its recognition by the Federal Government may be considered. Quotas are established by the Department of the Army for the several States, Territories, Puerto Rico, and the District of Columbia. Applicants are selected by the respective Governors and the Commanding General of the District of Columbia National Guard from among successful competitors in a preliminary mental examination. This examination is conducted by the Governors and the Commanding General mentioned, before 15 November of each year, and is similar in scope and nature to the USMA Regular Examination. The Department of the Army issues a letter of nomination to each candidate selected, authorizing him to report the following March for the USMA Regular Examination which he must take in competition with the entire number of National Guard candidates. Information

concerning the time and method of application is distributed annually, usually on or about 1 September, through local National Guard channels.

(2) Presidential

Eighty-nine (89) cadetships are reserved for disposition by the President of the United States. Nominations to vacancies of this category are normally restricted to the blood sons and adopted sons, if legally adopted prior to their fifteenth birthday, of members of the Regular Army, Air Force, Navy, and Marine Corps. Application should be made by letter (no form is prescribed) addressed to The Adjutant General, Washington 25, D. C., giving the applicant's full name, address, and date of birth (complete service address should be given if applicant is in the armed forces), and the name, rank, and branch of service of the father. In the case of an adopted son, a copy of the order of court decreeing adoption, duly authenticated and certified by the clerk of the court, must accompany the application.

(3) Sons of Deceased Veterans of World Wars I and II

Forty (40) cadetships are provided for the sons of members of the armed forces of the United States who were killed in action or who died of wounds, injuries, or disease resulting from active service during World Wars I or II. The Veterans' Administration determines the eligibility of all applicants, and its decisions are final and binding on the Department of the Army. Application should be made by letter (no form is prescribed) addressed to The Adjutant General, Washington 25, D. C. The letter should state the full name, date of birth, and address of the applicant (complete service address should be given if the applicant is in the armed forces), and the name, rank, serial number, and last organization of the veteran parent, together with a brief statement concerning the time, place, and cause of death. The claim number assigned to the veteran parent's case by the Veterans' Administration should also be furnished.

(4) Honor Military Schools

Forty (40) cadetships are provided for Honor Military Schools. Each such school of the essentially military type, as determined by annual Department of the Army inspections, may nominate three candidates annually from among its honor graduates, to compete for admission at the regular entrance examination in March. The number of available vacancies will be filled in the order of merit established at the regular examination, regardless of the schools from which the candidates are nominated. Each nomination must contain a certification by the head of the institution that the candidate is an honor graduate of a year for which the insti-

stitution was designated an honor military school. No student may be rated as an honor graduate unless he has shown proficiency in subjects of his school work amounting to not less than the 15 units prescribed by the regulations for admission to the United States Military Academy. However, the institution is not limited to those graduates of the current year.

c. Sons of Congressional Medal of Honor Winners—Sons of recipients of the Congressional Medal of Honor may be appointed to the Military Academy, provided they are qualified for admission. The administration of these appointments has been delegated to the Department of the Army. Application by those eligible should be made by letter (no form is prescribed) to The Adjutant General, Washington 25, D. C. The letter should contain the applicant's full name, address, and date of birth (complete service address should be given if the applicant is in the armed forces), the name, rank, and branch of service of the parent and a brief statement of the date and circumstances of the award. Candidates appointed from this source may qualify in the same manner as a Congressional principal candidate. All who are found fully qualified will be admitted as cadets, regardless of the number.

d. Filipino Cadets—In addition to the 2496 cadetships authorized, the Secretary of the Army may permit one Filipino for each entering class to be designated by the President of the Republic of the Philippines to receive instruction at the United States Military Academy.

e. Foreign Cadets—The act of 24 June 1938 authorizes the President of the United States to permit not more than 20 persons at a time from the Latin-American republics and Canada to receive instruction at the United States Military Academy. Not more than three persons from any one country may be cadets at the same time. Such persons receive the same pay and allowance (including mileage from their homes in proceeding to the Military Academy for initial admission) as cadets appointed from the United States. They are not entitled, however, by reason of their graduation to appointment to any office or position in the United States Army.

Citizens of other foreign countries have been permitted from time to time to attend the Military Academy upon specific authorization of the United States Congress in each case. Applications must be submitted to the United States Government through diplomatic channels by the governments concerned. Requirements for the admission, advancement, and graduation of foreign cadets are identical with those for United States cadets. In addition, such cadets must be provided with exactly the same amount of funds provided by the United States Government for United States cadets.

3. "SECTION 2" QUALIFIED ALTERNATES AND QUALIFIED COMPETITORS

Section 2, act of Congress approved 3 June 1942, provides: "When on the date of admission of a new class the total number of cadets is

below the number authorized, the Secretary of War may bring the Corps of Cadets to full strength by appointing qualified alternates and candidates recommended by the academic board, two-thirds thereof from qualified alternates and one-third thereof from qualified candidates (competitors): *Provided*, That any appointment made under this section shall be an additional appointment and shall not constitute an appointment otherwise authorized by law." The only candidates who are eligible for consideration are those who have been found mentally and physically qualified in connection with an appointment held for admission the first weekday of July of the year concerned. No application is necessary for consideration by the academic board since all candidates who are fully qualified but who are not entitled to admission under the terms of their appointments are rated relatively according to general merit. The academic board, in determining the general merit, studies the records of these candidates and bases its selection upon the academic grades and other pertinent factors which affect the qualifications of the various candidates to become officers of the Army. Since the vacancies in the Corps of Cadets cannot be determined until the date of admission, notices to candidates selected under Section 2 are sent on or shortly after that date authorizing them to report for admission as cadets on 15 July.



III. ENTRANCE REQUIREMENTS

This section describes the specific requirements which candidates must fulfill *after obtaining a nomination* as outlined in the preceding section.

1. GENERAL

a. Age—On the day of admission to the Military Academy (first weekday in July) a candidate must have attained the age of 17 years and must not have reached the age of 22. The upper age limit is raised to 24 in the case of a veteran of World War II who has served honorably in the Armed Forces of the United States for at least one year. The age requirements for all candidates are statutory and cannot be waived.

b. Citizenship—A candidate must be a citizen of the United States, except for those appointed specifically as foreign cadets.

c. Character—Every candidate must be of good moral character.

d. Marital Status—A candidate must never have been married. A cadet may not marry until he has graduated from the Academy; and if any cadet is found to have been married, he will be immediately separated from the Academy.

e. Height and Weight—No candidate will be admitted who is shorter than 5 feet 6 inches or taller than 6 feet 4 inches. The weight of a candidate must be within certain limits which depend upon his height. Height-weight tables will be found in Appendix 1, paragraph d.

f. Admission Date—New cadets report to West Point for admission on the first weekday in July.

g. Engagement to Serve—On the day of admission to the Military Academy, a candidate is required to sign an Engagement to Serve, committing himself to serve in the Regular Army or Air Force for a period of 8 years from the date of his admission to the Military Academy.

h. Examination of Candidates—Every candidate for admission to the Military Academy must take three types of examination: medical, mental, and physical aptitude. The entrance examinations begin on the first Tuesday in March of each year, being conducted at various military installations throughout the country. Each candidate holding a letter of nomination will be authorized by the Department of the Army to report at the examination center most convenient either to his home or to the school which he is attending. The examinations normally require three or four days.

2. SCHOLASTIC

a. General—A candidate who has graduated from secondary school in the upper portion of his class and has attained good grades in all his mathematics and English courses should be able to pass the Military Academy's entrance examinations without intensive cramming or special preparation. All candidates (competitive and noncompetitive) must

(1) take the West Point Aptitude Test, a 2½-hour examination requiring no special preparation. It includes sections designed to measure likelihood of success in subjects such as mathematics, English, foreign languages, science, and engineering.

(2) qualify in United States History, either by presenting evidence that they have satisfactorily completed a standard course in United States History or its equivalent (1 year in secondary school or 1 semester in college), or by passing the special USMA examination in United States History.

b. Competitive Candidates—A candidate who seeks to qualify for admission under a competitive appointment—Regular Army, National Guard, Honor Military School, Presidential, or Sons of Deceased Veterans—must take the USMA Regular Examination in mathematics and in English, regardless of the extent and quality of his scholastic record. In addition, a competitive candidate must have satisfied the required credit in United States History by the time of the *March* examination. The vacancies available within each of the five competitive categories are awarded to those candidates within each category who attain the highest proficient scores on the USMA Regular Examination in mathematics and English.

c. Noncompetitive Candidates—There are four methods by which a candidate may qualify mentally for a noncompetitive (Congressional,

etc.) appointment, the method depending largely upon the extent and quality of the candidate's scholastic achievement:

(1) If a candidate is unable to present an acceptable secondary school certificate, he must pass the USMA Regular Examination in mathematics and English. This examination is in two sections: a three-hour section in mathematics (algebra and plane geometry); a three-hour section in English (vocabulary, spelling, grammar, literature, and reading comprehension).

(2) A candidate whose secondary school record is accepted by the authorities of the Military Academy may qualify by passing the USMA Validating Examination in mathematics and in English. This examination covers the same fields as the USMA Regular Examination but is less extensive, requiring an hour and one-half for each of the two sections—mathematics and English. An acceptable secondary school record must indicate graduation from the school with satisfactory grades accounting for not less than 15 units credit. Seven of the fifteen units must be in the following required courses:

<i>Course</i>	<i>Max. Unit Credit</i>
Mathematics (algebra, first year)	1
Mathematics (algebra, second year)	1
Mathematics (plane geometry)	1
English, first year	1
English, second year	1
English, third year	1
History, United States	1

The remaining 8 units must be chosen from the following optional courses:

Mathematics (advanced algebra)	$\frac{1}{2}$
Mathematics (solid geometry)	$\frac{1}{2}$
Mathematics (trigonometry)	$\frac{1}{2}$
English, fourth year	1
History (ancient)	1
History (European)	1
History (English)	1
History (World)	1
Economics	1
Sociology	1
Social Democracy	1
Problems of American Democracy	1
Contemporary Problems	1
Citizenship	$\frac{1}{2}$
Government	$\frac{1}{2}$
Civics	$\frac{1}{2}$
Latin, first year	1
Latin, second year	1

sive Mathematics. The report must be received at West Point prior to the scheduled USMA Validating Examination. In addition, the candidate will be required to pass the West Point Aptitude Test.

(4) A candidate may qualify mentally by passing only the West Point Aptitude Test if he submits an acceptable record of at least one semester's credits earned at a recognized college, university, or technical school, provided that he was admitted to the college after having earned in secondary school the 15 units credit described in paragraph (2) above. If the candidate lacks not more than 2 units of the prescribed secondary school credits, *required or optional, he may make up this deficiency in college.* One semester of college work is considered the equivalent of one academic year of secondary school study.

3. MEDICAL

a. Preliminary Examination—Before reporting to an examination center in March, every candidate should ascertain whether or not he has any physical defects which would disqualify him for admission or any defect which could be corrected by treatment. Any candidate holding a letter of appointment issued by the Department of the Army may apply to the office of The Adjutant General, Department of the Army, Washington 25, D. C., for permission to undergo a preliminary medical examination. Necessary instructions specifying the place of examination will be issued. Upon request from a member of Congress, The Adjutant General will also authorize the preliminary physical examination of a prospective candidate. The Adjutant General will advise the Congressman or the prospective candidate of the examination results. This examination is a *preliminary* one only and *in no way commits or obligates* the Department of the Army to accept a candidate who is found by the regular medical examining board to have a physical disqualifying defect.

b. Final Physical Examination—Every candidate is required to undergo a very thorough physical examination at the conclusion of his mental examinations. His hearing must be normal (15/15) in each ear for the whispered voice, and the ears must be free from acute or chronic disease. His vision must not fall below 20/30 in either eye without glasses, correctable with glasses to 20/20 in each eye. Both his eyes must be free from disease. No candidate will be accepted unless he has a minimum of 12 masticating teeth and 8 incisor teeth, all of which must be so opposed as to serve the purposes of biting and chewing. Details relating to physical requirements and causes for physical disqualification will be found in Appendix 1.

c. Vaccination—Each candidate authorized admission to West Point must present a certificate showing successful smallpox vaccination within 1 year or a certificate of two vaccinations made at least a month apart within three months.

4. PHYSICAL APTITUDE EXAMINATION

Every candidate is required to take a one-hour Physical Aptitude Examination designed to measure co-ordination, muscular power, endurance, speed, and flexibility. The examination items will be selected from those listed below. Candidates may consider themselves qualified to meet the minimum standard of the Physical Aptitude Examination if they can achieve the performances indicated. The examination will be graded on the basis of the total score. In other words, if a passing grade is achieved on the whole examination, failure to achieve a passing score on any single test will not cause disqualification.

- a. Vertical jump 17 inches.
The difference between the height an individual can reach and the height he can jump and reach.
- b. Standing broad jump for distance 6 feet 9 inches.
- c. 3 Broad jumps for distance 20½ feet.
Standing start with 3 continuous broad jumps.
- d. Pull-ups 3 times.
Chinning oneself on a horizontal bar, grasping bar with back of hand toward face.
- e. Dips 3 times.
Raising and lowering oneself on parallel bars by means of the arms. The body is lowered until upper arm passes the horizontal.
- f. Push-ups 16 times.
Standard push-ups starting from the leaning rest position.
- g. Dodge run 27 seconds.
A run through a maze placed on a gymnasium floor.
- h. 300-yard run (indoor track—11 laps to the mile) 46.7 seconds.
- i. 300-yard run 65 seconds.
This test is a shuttle run on a gymnasium floor between two turning blocks placed 25 yards apart.
- j. 100-yard run 18.9 seconds.
This test is a shuttle run on a gymnasium floor between two turning blocks placed 25 yards apart.
- k. 50-yard run 8.7 seconds.
This test is a shuttle run as described under the above 100-yard run.
- l. Bar vault for height 4 feet 6 inches.
From a standing position vault over a horizontal bar by touching it with only the hands using either flank or front vault.

- m. Burpee test for 20 seconds 10½ times.
 Continuous movements from the standing position to the squat, to the leaning, rest, to the squat, and back to the standing position.
- n. Squat jumps 28 times.
 From a squatting position on the right heel with fingers laced on top of head palms downward, and with left foot slightly advanced, spring upward until both knees are straight and both feet clear the floor. While the feet are off the floor advance the right foot and drop to a squat on the left heel. Spring up again and repeat.
- o. Sit-ups 30 times.
 These are to be performed with a partner holding the feet.
- p. Sit-ups for speed 20 times.
 These are to be performed in 30 seconds while lying on a gymnasium mat with toes hooked under a bar.
- q. Softball throw for distance using a regulation softball (12-inch circumference) 140 feet.
- r. Basketball throw for distance using a regulation basketball 65 feet.
- s. Medicine ball put 33 feet.
 A 6-pound medicine ball is put using the same movement as required for a shot-put.
- t. Hop, step, and jump 20 feet.
 From a standing position take a hop, a step, and a jump to gain as great a distance as possible.
- u. 100-yard pickaback carry 27.0 seconds.
 Carrying a partner astride his back one runs 100 yards by shuttling back and forth around stakes placed 25 yards apart. The partner must be within 10 pounds of one's own weight.
- v. Rope climb (7 seconds) 10½ feet.
 Climb a regulation gymnasium rope as high as possible in 7 seconds, using hands and feet or hands alone, starting from a standing position.

Candidates should prepare for this examination by engaging in all-round vigorous activities such as running, conditioning exercises, or competitive games, rather than by practicing on specific test items.

IV. ENTRANCE EXAMINATIONS

1. MARCH

The Military Academy examinations begin at 8:00 A.M. on the first Tuesday in March each year. All candidates are expected to report between 1:00 and 5:00 P.M. of the preceding afternoon, as explained in the original letter of nomination furnished the candidate by The Adjutant General. Three or four days are normally required for the completion of all mental, medical, and physical aptitude examinations. During this period sleeping accommodations are made available to candidates without charge; a nominal charge is made for meals.

Failure to report for examination automatically vacates any competitive appointment. Failure to report vacates a noncompetitive appointment unless failure is attributable to sickness or other unavoidable cause.

Each candidate will be authorized to report for examination to the military installation listed below which is most convenient either to his home or to the school which he may be attending just prior to the March examination. A candidate may request from The Adjutant General the authority to change his place of examination if he finds that his home or school address changes.

PROBABLE EXAMINING CENTERS

MARCH 1950

Army and Navy General Hospital, Hot Springs National Park, Ark.
Army Medical Center, Washington, D. C.
Army Base, Boston, Mass.
William Beaumont General Hospital, El Paso, Tex.
Fort Benning, Ga.
Fort Bragg, N. C.
Fitzsimons General Hospital, Denver, Colo.
Fort Sam Houston, Tex.
Keesler Air Force Base, Biloxi, Miss.
Fort Knox, Ky.
Fort Leavenworth, Kans.
Letterman General Hospital, Presidio of San Francisco, Calif.
Fort Lewis, Wash.
March Air Force Base, Riverside, Calif.
Fort McPherson, Ga.
Governors Island, N. Y.
Fort Sheridan, Ill.
Fort Sill, Okla.
Schofield Barracks, T. H.
San Juan, P. R.
Fort Clayton, C. Z.
Fort Richardson, Alaska.

2. JUNE

A second examination is held at West Point only. This examination, held on the Tuesday preceding the 16th of June, is available only to those candidates nominated for vacancies which remain unfilled or occur after the March examination. Inasmuch as the Regular Examination is not a part of the June examination schedule, candidates authorized to take the June examination must furnish acceptable school certificates.



V. MISCELLANEOUS

1. CANDIDATE'S SUBMISSION OF RECORDS

All necessary papers, certificate forms, and detailed instructions for the accomplishment and submission of each will be furnished the candidate by The Adjutant General along with the candidate's original letter of nomination. Before writing to The Adjutant General or to the Military Academy for additional information, candidates should study these instructions thoroughly.

The Academic Board may reject any certificate for low grades or upon any evidence, whether contained in the certificate or not, that creates a reasonable doubt concerning the candidate's mental qualifications for admission. A record in the entrance examination of a former year is considered excellent evidence of mental qualification for admission and is given great weight when certificates are being evaluated. Candidates are therefore strongly advised not to take the examination when unprepared. A candidate who takes the examination merely for practice and fails may jeopardize his chances if entrance by certificate is sought in a later year.

2. PREVIOUS QUALIFICATION

A candidate (except an ex-cadet) once found mentally qualified for admission to the Academy will be considered mentally qualified for any subsequent noncompetitive appointment and will not be required to take further mental examination.

A candidate who has once qualified in Physical Aptitude will not be required to take another Physical Aptitude Test.

A candidate must undergo the medical examination in the year preceding the proposed date of admission, even though he may have been found fully qualified in a previous year.

3. USMA PREPARATORY SCHOOL

The USMA Preparatory School at Stewart Field, New York, was established to prepare members of the Armed Forces for the entrance examinations. Participation in this preparatory training program is limited strictly to personnel on active duty who hold nominations to the Military Academy. The school is operated under the direction of the Superintendent, USMA.

Prospective candidates may obtain appropriate circulars on the Preparatory Training Program and on the procedure for obtaining Regular Army appointments by writing to The Adjutant General, Department of the Army, Washington 25, D. C.

4. PHYSICAL CONDITIONING

Because of the nature of the new cadets' training during their first two months at the Academy, the physical demands upon them are necessarily great. Experience indicates that those cadets who, prior to admission, have hardened themselves physically are best able to meet these training requirements. The co-operation of parents is enjoined to encourage candidates to participate in some form of vigorous physical exercise prior to their arrival at the Academy. Any candidate in doubt as to physical conditioning methods may obtain valuable training hints by application to The Adjutant General, Department of the Army, Washington 25, D. C.

5. DEPOSIT UPON ENTRANCE

The cost of the uniform and personal equipment with which the new cadet is provided immediately after admission is approximately \$300. This sum must be deposited with the treasurer of the Academy before the cadet is admitted. Parents of candidates are advised to forward the required deposit by draft, payable to the Treasurer, United States Military Academy, who will credit it to the new cadet's account. Cadets who exercise proper economy will have upon graduation a sufficient balance to their credit with the treasurer to purchase the initial supply of uniforms and equipment which they will need as officers.

Candidates should, on leaving home for admission, take with them no more money than is needed for traveling expenses. Any balance in their possession at the time of admission will be deposited to their credit with the treasurer. Except for members of the armed forces, who are provided transportation or are allowed mileage as provided in Army Regulations, cadets are allowed 5 cents per mile for traveling expenses from their homes to the Military Academy. Such mileage is credited to the cadet's account after his admission unless he makes a specific written request to the Commandant of Cadets that the mileage allowance be sent to his parents.



VI. APPENDICES

APPENDIX 1. PHYSICAL REQUIREMENTS

a. Hearing—Auditory acuity of all candidates will be determined by the whispered voice, and by the audiometer using the following frequencies: 256, 512, 1024, 2048, 4096, and 8192. At the time of examination the candidate should be free of upper respiratory infection. Hearing when tested by the whispered voice must be 15/15 in each ear and loss

of hearing as determined by the audiometer must *not* be greater than fifteen (15) decibels in any of the frequencies 512, 1024, 2048 nor greater than thirty (30) decibels in either of the frequencies 4096 or 8192. The following conditions are causes for rejection: total loss of an ear; marked hypertrophy or atrophy, or disfiguring deformity of the organ; atresia of the external auditory canal, or tumors of this part; acute or chronic suppurative otitis media, or chronic catarrhal otitis media; mastoiditis, acute or chronic; existing perforation of the membrana tympani from any cause whatever.

b. Vision—Vision as determined by the visual test types (without a cycloplegic) must not fall below 20/30 in either eye without glasses, correctable with glasses to 20/20 in each eye, when no organic disease in either eye exists. Both eyes must be free from acute or chronic disease. Errors of refraction, if considered excessive, may be a cause for rejection even though the visual acuity falls within acceptable limits. Total hyperopia of more than two diopters or total myopia of more than three quarters (0.75) diopter in any meridian in either eye is considered cause for rejection.

The following conditions are also cause for rejection: manifest disturbance of muscle balance; esophoria of more than 10 prism diopters, exophoria of more than 5 prism diopters, or hyperphoria of more than 1 prism diopter; impairment of the sense of color perception in a pronounced degree; trachoma, or xerophthalmia; chronic conjunctivitis; pterygium encroaching upon the cornea; complete or extensive destruction of the eyelids; disfiguring cicatrices, adhesions of the lids to each other or to the eyeball; inversion or eversion of the eyelids, or lagophthalmus; trichiasis, ptosis, blepharospasm, or chronic blepharitis; epiphora, chronic dacryocystitis, or lachrymal fistula; chronic keratitis, ulcers of the cornea, staphyloma, or corneal opacities encroaching on the pupillary area and reducing the acuity of vision below the standard noted above; irregularities in the form of the iris, or anterior or posterior synechiæ sufficient to reduce the visual acuity below the standard; opacities of the lens or its capsule, sufficient to reduce the acuity of vision below the standard, or progressive cataract of any degree; extensive coloboma of the choroid or iris, absence of pigment, glaucoma, iritis, or extensive or progressive choroiditis, retinitis, detachment of the retina, neuroretinitis, optic neuritis or atrophy of the optic nerve; loss or disorganization of either eye, or pronounced exophthalmus, true nystagmus; or permanent or well-marked strabismus; diplopia, or night blindness; abnormal conditions of the eyes due to disease of the brain; malignant tumors of the lids of the eyeballs; ashenopia accompanying any ocular defect.

c. Teeth—No candidate will be accepted unless he has a minimum of 6 serviceable vital masticating teeth (bicuspid and molars) above and 6 below serviceably opposing and also 4 serviceable vital incisor teeth (incisors and cuspids) above and 4 below serviceably opposing. Therefore, the minimum requirement consists of a total of 12 masticating teeth and 8 incisor teeth, all of which must be so opposed as to serve

the purpose of incision and mastication. In cases in which insufficiency of teeth may be remedied by the eruption of third molars, if an X-ray of the third molar region determines a normal third molar properly positioned and developed, it may be assumed that it will have a normal eruption, and the candidate may be credited with possession of this tooth.

Vital teeth properly filled with permanent filling material, or well crowned, will be considered serviceable if otherwise acceptable. A one or two tooth replacement by a standard method of fixed bridgework will be accepted in lieu of a serviceable vital tooth when the abutment teeth are otherwise acceptable and the bridge well constructed.

A tooth will not be considered serviceable if it is a deciduous tooth, or if it fails to enter into serviceable occlusion with an opposing tooth, if it has an unfilled cavity, if it supports a defective filling or crown, if it is nonvital, or if there is destruction of the supporting tissues of the tooth, such as results from chronic gingivitis, pyorrhea, etc.

Causes for rejection are: failure to meet the standard of minimum requirements outlined above; the loss of three adjoining masticating teeth in either side of the upper or lower jaw; disfiguring spaces between anterior teeth, such as result from the extraction of a tooth; marked irregularity of the teeth; and marked malocclusion. No candidate will be accepted until all cavities in the teeth have been filled with proper permanent fillings.

d. Physical Proportions—The requirements of the following tables of physical proportions are for growing youths and are for guidance in connection with the other data of the examination, a consideration of all of which will determine the candidate's physical eligibility. Mere fulfillment of the requirements of the standard tables does not determine eligibility.

Height	Weight		Minimum chest measurement at expiration	Height	Weight		Minimum chest measurement at expiration
	Minimum	Maximum			Minimum	Maximum	
<i>Inches</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Inches</i>	<i>Inches</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Inches</i>
66	120	170	30.50	72	144	201	32.50
67	124	175	30.50	73	148	208	32.50
68	128	180	31.00	74	152	214	33.00
69	132	185	31.50	75	156	220	33.00
70	136	190	32.00	76	160	226	33.50
71	140	195	32.00				

NOTE.—Fractions of an inch will be reduced to the quarter of an inch, but candidates must be at least 66 inches in height. No candidate will be accepted who is more than 76 inches in height. Height to be taken without shoes and weight without clothes.

Medical examiners will recommend rejection of individuals who show poor physical development and those who appear to be undesirable candidates because of excess fat, even though their measurements may come within the figures stated in the above table. In such instances, the report will show in detail the findings upon which recommendation for rejection is based.

Recommendation for waiver of excess weight will be made in cases in which the general appearance and conformation of the candidate and the remainder of the examination clearly indicate that he is of the robust type and that there is no tendency to obesity, endocrine imbalance, cardiovascular disease, or other defect which is likely to shorten the period of useful active service normally expected of an Army or Air Force officer. (See par. 1a (1) (e), AR 40-100.)

Minimum standards for Filipino applicants.

Height	Weight	Chest measurement at expiration	Height	Weight	Chest measurement at expiration	Height	Weight	Chest measurement at expiration
<i>Inches</i>	<i>Pounds</i>	<i>Inches</i>	<i>Inches</i>	<i>Pounds</i>	<i>Inches</i>	<i>Inches</i>	<i>Pounds</i>	<i>Inches</i>
59	100	28½	63	105	29½	67	118	30½
60	101	28¾	64	107	29¾	68	124	30¾
61	102	29	65	110	30	69	127	31
62	103	29¼	66	113	30¼	70	130	31¼

e. Causes for Physical Disqualification

- (1) Any deformity which is repulsive or which prevents the proper functioning of any part to a degree interfering with military efficiency.
- (2) Obesity.
- (3) A height of more than 76 inches.
- (4) Deficient muscular development.
- (5) Deficient nutrition.
- (6) Evidences of physical characteristics of congenital asthenia. The physical characteristics of congenital asthenia are slender bones, a weak ill-developed thorax, nephrop-tosis, gastroptosis, constipation, the "drop" heart, with its peculiar attenuation and weak and easily fatigued musculature.
- (7) All acute communicable diseases.
- (8) All diseases and conditions which are not easily remediable or that tend physically to incapacitate the individual, such as
 - (a) Chronic malaria.
 - (b) Uncinariasis (hookworm).
 - (c) Active tuberculosis of any type or degree.
 - (d) Leprosy and actinomycosis.
 - (e) Pellagra, beriberi, sprue, scurvy, or other evidence of vitamin deficiency.
 - (f) History of rheumatic fever or chorea within the preceding 2 years, or substantial history of recurrent attacks of rehumatic fever or chorea at any time; atrophic or hypertrophic arthritis; chronic myositis or fibrositis.
 - (g) Osteomyelitis of any bone or a history of osteomyelitis of any of the long bones of the extremities at any time.
 - (h) Malignant disease of all kinds in any location.
 - (i) Hemophilia or purpura.
 - (j) Leukemia of all types.

- (k) Primary (pernicious), secondary, or splenic anemia.
- (l) Filariasis, trypanosomiasis, and schistosomiasis.
- (m) Diabetes mellitus or insipidus, or renal glycosuria.
- (n) Acromegaly, gigantism, myxoedema, cretinism, Addison's disease, gout, Simmond's disease, and other endocrine diseases.
- (o) Chronic metallic poisoning.
- (p) Migraine.
- (q) Hay fever, food intolerance, angioneurotic edema or other allergic manifestations of sufficient degree to warrant the use of vasoconstrictor drugs, ephedrine, or epinephrine either locally or systemically.

A detailed list of additional causes for physical disqualification may be obtained by writing to The Adjutant General, Department of the Army, Washington 25, D. C.

NOTE: Sample mental examination questions are on the pages immediately following.

REGULAR AND VALIDATING EXAMINATIONS

1. MATHEMATICS

The entrance examination in mathematics consists of two parts, each one and one-half hours long. Regular candidates take the entire examination; validating candidates take only the first part. The general subject-matter coverage, including problems in algebra and plane geometry, will be the same in both parts. However, individual problems in the first part will require less time for solution than those in the second.

The following problems illustrate the difficulty and the subject-matter coverage of the examination. A sample answer sheet and a list of the correct answers for these questions follow the description of the West Point Aptitude Test.

VALIDATING EXAMINATION AND PART I—REGULAR EXAMINATION

Directions.—In this examination, five possible answers are given immediately following each problem. The five answers are lettered A, B, C, D, and E. On the answer sheet you will find, for each problem, five pairs of lines lettered A to E. Solve each problem, using the blank space at the right of the page for scratchwork. Then indicate on the answer sheet the one correct answer by making a heavy black mark between the lines under the letter corresponding to that answer.

Note.—Figures accompanying problems in geometry and trigonometry are not necessarily drawn to scale.

USE THIS SPACE FOR FIGURING.

1. If $p^n = x$, $p^{-n} = (?)$

(A) $-x$ (B) $\frac{-x}{n}$ (C) $\frac{1}{x^{2n}}$

(D) $\frac{1}{x^n}$ (E) $\frac{1}{x}$

2. Two triangles of equal areas have bases equal to 10 inches and 16 inches, respectively. What is the ratio of the altitude of the first triangle to the altitude of the second triangle?

(A) 25 to 64 (B) 5 to 8 (C) $\sqrt{10}$ to 4
(D) 4 to $\sqrt{10}$ (E) 8 to 5

3. As shown in Figure 1, town P is 50 miles due east of airfield T. A plane flies in a direction x° north of east from T. When the plane is directly north of P, how many miles is it from T?

(A) $\frac{50}{\cos x^\circ}$ (B) $50 \tan x^\circ$ (C) $50 \cos x^\circ$

(D) $\frac{\cot x^\circ}{50}$ (E) $\frac{\sin x^\circ}{50}$

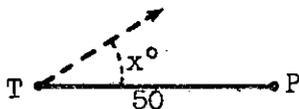


Figure 1

4. The national output of coal is normally x tons per month. If a certain coal mine, from which n tons of coal are obtained each month, is shut down for 1 month, the national output of coal is reduced to what fraction of the normal amount?

(A) $\frac{x-n}{x}$ (B) $\frac{x}{x+n}$ (C) $\frac{n-1}{n}$

(D) $\frac{nx-n}{x}$ (E) $\frac{x+n}{x}$

5. In Figure 2, points P, Q, R, and S all lie on a circle. PR and QS intersect at K. If $QK=12$, $RK=6$, and $SK=4$, then $PK=(?)$

(A) 2 (B) 6 (C) 8 (D) 10 (E) 18

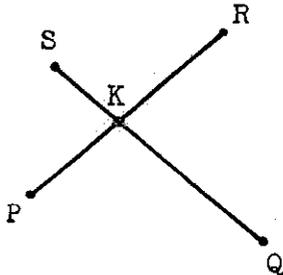


Figure 2

6. If $\log_{10}x=3+\log_3 64$, $x=(?)$

(A) 7 (B) 12 (C) 250
(D) 1004 (E) 4000

PART II—REGULAR EXAMINATION ONLY

USE THIS SPACE FOR FIGURING.

7. If $4 + \sqrt{4n} = 2n$, $n = (?)$
 (A) -2 (B) 1 (C) 2
 (D) 4 (E) 1 and 4

8. In Figure 3, the radius of circle O is r and PT is tangent to this circle at point T . How far from T is a point P on the tangent such that the external segment of the line joining O and P is half as long as TP ?

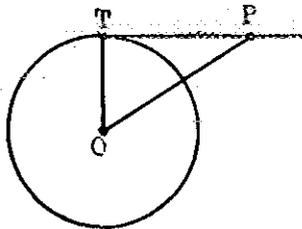


Figure 3

- (A) $\frac{2r}{3}$ (B) $\frac{4r}{3}$ (C) $2r$
 (D) $\frac{2r + 2r\sqrt{7}}{3}$ (E) $4r$
9. If $z = \frac{3}{2}$ is a root of the equation $2z^2 - mz + 6 = 0$, $m = (?)$
 (A) -1 (B) 1 (C) 4 (D) $5\frac{1}{2}$ (E) 7

10. In Figure 4, $LMNPQ$ is an inscribed pentagon such that arc $PQ = 70^\circ$. $\angle L + \angle N = (?)^\circ$

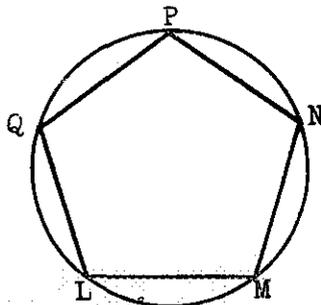


Figure 4

- (A) 145 (B) 210 (C) 215
 (D) 290 (E) 430

2. ENGLISH

The entrance examination in English is three hours in length. Regular candidates take the entire examination; validating candidates take the first one and one-half hours of the examination. Questions will test the candidate's vocabulary, spelling, knowledge of grammar and literature, and reading ability. The practice questions below are illustrative of the general nature and difficulty of the examination. One or two other types of questions may be included in addition to, or in place of, those given below. A sample answer sheet and a list of the correct answers for the practice questions follow the description of the West Point Aptitude Test.

VALIDATING EXAMINATION

AND PART I—REGULAR EXAMINATION

Directions.—Each question below consists of a group of four words, two of which are approximately *opposite* to each other in meaning. Decide which two words in each group are most *nearly opposite*, and blacken the space beneath the corresponding pair of numbers on the answer sheet; i. e., mark the space between the dotted lines beneath "1-2" if words numbered 1 and 2 are opposite, beneath "2-4" if words 2 and 4 are opposite, beneath "3-4" if words 3 and 4 are opposite, etc. Mark only one set of dotted lines for each answer.

- | | | | |
|--------------|--------------|---------------|---------------|
| 1. tributary | 2. aggrieved | 3. vincible | 4. appressed |
| 1. ambience | 2. learning | 3. ignorantly | 4. intricate |
| 1. foreign | 2. effluent | 3. indigent | 4. persuasive |

Directions.—Each of these questions consists of four words numbered 1 to 4. In some of the questions there is *one* misspelled word; in some of the questions all the words are spelled correctly. You are to decide which of the four words, if any, is misspelled and blacken the space beneath the corresponding number on the answer sheet. If there is no spelling error in a question, blacken the space beneath the "O." No question contains more than one misspelled word.

- | | | | |
|--------------------|----------------|------------------|-----------------|
| 4. 1—digestion | 2—antagonistic | 3—paralytic | 4—herisy |
| 5. 1—committed | 2—embarass | 3—pronunciation | 4—villain |
| 6. 1—inspirational | 2—species | 3—irreconcilable | 4—miscellaneous |

Directions.—In the sentences below, certain portions are underlined and numbered. On the right-hand side of the page are suggested several ways of writing or punctuating each underlined portion. Choose the answer which is *best* for formal writing, and blacken the space beneath the corresponding number on the appropriate line on the answer sheet.

Our staff reported yesterday that they have not yet deciphered the message.

7. (1) have not yet deciphered
(2) had not yet deciphered
(3) did not yet decipher

On July 4, 1776, the American colonies declared themselves completely independent from British rule.

8. (1) from (2) of

No one was much taken by the applicant's personality, though his credentials indicated that he was pleasant, intelligent, and friendly.

9. (1) , though (2) : though
(3) ; though (4) . Though

Shakespeare is the most universally loved of all poets.

10. (1) of all poets
(2) of any poet
(3) of any poets
(4) of any other poets

PART II—REGULAR EXAMINATION ONLY

Directions.—Each incomplete statement below is followed by five suggested completions, only *one* of which is correct. Select the correct completion and blacken the space beneath the corresponding number on the answer sheet.

11. Washington Irving's works are characterized by

- 1—concern with industrial problems
2—cool impersonality
3—humor and sentimentality
4—bitter satire of the author's rivals
5—championship of feminism

12. The literary form most characteristic of the Romantic Period is

- 1—lyric poetry
2—drama
3—satire
4—sonnet sequences
5—scientific prose

13. The ideas that people without great wealth, noble birth, or exceptional beauty are fit subjects for poetry finds conspicuous expression in

- 1—Shakespeare's sonnets
2—Pope's *The Rape of the Lock*
3—Dryden's *Abraham and Achitophel*
4—Wordsworth's *Composed upon Westminster Bridge*
5—Gray's *Elegy Written in a Country Churchyard*

Directions.—*One* of the numbered words in each of the following paragraphs spoils the sense or meaning of the paragraph as a whole. Read each paragraph through and decide which *one* of the numbered words spoils the meaning. Then blacken the space beneath the corresponding number on the answer sheet.

14. The limestone region of the Carso has been a scene of excessive activity in cave formation and as such is of greatest indifference to the geologist. In places the earth is absolutely honey-combed with the tortuous galleries and passages characteristic of this type of erosion.

15. They were living in a warmer climate in which a diet of beef and fermented liquor was destructive; they were forced, therefore, to a generally vegetarian diet, and the barren soil, almost unasked, gave them all the food they needed.

16. The literary critics of the seventeenth century, especially in France, were fond of representing their political theories graphically by drawing elaborate allegorical maps of the land of poetry.

3. UNITED STATES HISTORY

The special examination in United States History (see par. 4b(2), sec. 11) will be 90 minutes in length and will consist entirely of questions of the multiple-choice type. The samples below illustrate the kinds of questions which will be asked and indicate the difficulty and the subject-matter coverage of the examination. A section of map questions may also be included. A sample answer sheet and a list of the correct answers for the sample questions follow the description of the West Point Aptitude Test.

Directions.—Each incomplete statement below is followed by five words, phrases, or clauses, *one* of which will complete the statement correctly. Select the correct completion and blacken the space beneath the corresponding number on the appropriate line on the answer sheet.

1. The Granger movement was supported by

- 1—the great cattlemen of the West who wanted the open grange retained for their herds
2—owners of grain elevators who wished to stimulate the production of wheat
3—people interested in preserving the forests of the United States
4—pioneers who believed in squatters' rights
5—farmers who were conscious of their economic hardships

2. Diplomatic immunity is
- 1—the condition of a country well-protected by buffer states
 - 2—a strong, unassailable alliance between states
 - 3—police protection granted to the embassies of foreign countries
 - 4—privileges granted by a country to its diplomats because of the nature of their work
 - 5—the freedom from arrest and taxation accorded to members of the diplomatic staffs of foreign countries

Directions.—Each incomplete statement below is followed by two or more numbered sets of completions. ONE of the 3 completions in each set is FALSE. Find the false completion in each set and on the answer sheet blacken the space corresponding to it in number.

However they disagreed on many details, the men who drew up the Constitution of the United States at Philadelphia in 1787 were agreed on certain essentials. The majority wished to create a central government which could

3. 1—support an army strong enough to suppress domestic disorders
 - 2—make commercial treaties with foreign nations
 - 3—give financial assistance to private debtors
 4. 1—pay off its financial obligations
 - 2—collect and enforce interstate tariffs
 - 3—be less directly subject to popular control than were the state governments
- After the first World War there was a prolonged agricultural depression in the United States because
5. 1—the fertility of American farms was practically exhausted
 - 2—the great expansion of land under cultivation during the war resulted in unsalable surpluses when the war markets collapsed
 - 3—our high protective tariff prevented foreign nations from selling to us, and consequently they were not able to buy goods from us
 6. 1—there was a sharp reduction in the demand for hay and grain to feed draft animals
 - 2—improvements in machines made it possible to produce enormous quantities of agricultural products
 - 3—foreign producers gained over thirty percent of our domestic market for agricultural products

Directions.—Each item in this section is a statement about one of the four labor disturbances (lettered A to D) listed below. Select the one to which each statement best applies and blacken the space beneath the corresponding letter on the answer sheet.

- (A) Homestead Strike
 (B) Pullman Strike
 (C) Mining Strike of 1902
 (D) Haymarket Affair

7. Was of such great importance that President Theodore Roosevelt intervened and induced a settlement of the matter.
8. Hurt the reputation of the Knights of Labor so much that this organization dissolved not many years later.
9. Culminated in a pitched battle between strikers and Pinkerton detectives hired by the Carnegie Steel Company.
10. Terminated to the advantage of the company because of a federal injunction issued against the labor leaders.
11. Was caused by the hurling of a bomb into the midst of armed strikers.
12. Did not terminate to the advantage of the strikers, principally because the companies involved succeeded in gaining the support of President Cleveland and Attorney General Olney.
13. Ended in a signal victory for the strikers because the dispute was arbitrated in their favor.
14. Resulted in the breaking of the union's power and enabled magnates for over forty years to prevent the organization of labor in the steel industry.

Directions.—Each of the following quotations is typical of one of the 5 names or phrases which follow it. Decide which one of the 5 choices is the most likely source of the quotation and blacken the space beneath its number on the appropriate line on the answer sheet.

NOTE.—You are not expected to recall these quotations from memory. It is intended rather that you examine each statement carefully to determine the point of view it summarizes and then from your knowledge of history select the most probable answer.

15. "We think it so much in the public interest to maintain a vigorous judiciary that we encourage the retirement of elderly judges by offering them a life pension at full salary. Why then should we leave the enforcement of this public policy to chance or make it dependent upon the desire or prejudice of any individual Justice?"
 - 1—Charles E. Hughes
 - 2—Herbert Hoover
 - 3—Franklin Roosevelt
 - 4—Thomas Dewey
 - 5—Alfred Landon
16. "It matters not what way the Supreme Court may hereafter decide as to the abstract question of whether slavery may or may not go into a Territory under the Constitution; the people have the lawful means to introduce it or exclude it as they please, for the reason that slavery cannot exist a day or an hour, anywhere, unless it is supported by local police regulations."
 - 1—Roger B. Taney
 - 2—John C. Calhoun
 - 3—William Lloyd Garrison
 - 4—Jefferson Davis
 - 5—Stephen A. Douglas

4. WEST POINT APTITUDE TEST

The West Point Aptitude Test is two and one-half hours in length. The questions below indicate the general nature and difficulty of the test. However, one or two other types of questions may be contained in addition to, or instead of, those given below. A sample answer sheet and a list of the correct answers for the practice questions follow this test.

This section is based on an artificial language. The questions measure the understanding of the organization of a language and the ability to apply its principles with speed and accuracy. Principles used include the formation of words from roots, inflection of verbs for tense, agreement of nouns and adjectives, and inflection for number. The following key and questions illustrate the nature of the section.

KEY

VOCABULARY

mesrag.....the examination. pagrez.....to be.
 poprun.....a student. diacz.....to like.
 mesrun.....an examiner. cludez.....to take.
 neezag.....the difficulty. pol.....not.

Verbs are formed by changing the noun ending (*ag* or *un*) to

es for the infinitive.
as for the present tense.
sj for the past tense.
ip for the future tense.

An adjective is formed from a noun by changing the noun ending (*ag* or *un*) to *ub*.

An adjective agrees with its noun in number. The plural of a noun or adjective is formed by adding *so* to it. There is no translation for the articles.

In questions 1 to 4, inclusive, select the one of the four alternatives which correctly translates the statement. Then on the appropriate line on the answer sheet blacken the space beneath the letter corresponding to that of your choice:

- The student took the examination.
 (A) Poprun cludej mesrag.
 (B) Poprez cludav mesrag.
 (C) Poprun cludip mesrag.
 (D) Poprag cludez mesrag.
- The examinations are not difficult.
 (A) Mesragno pagravno pol neezub.
 (B) Mesrag pagravno pol neezub.
 (C) Mesragno pagravno pol neezubno.
 (D) Mesragno pagrav pol neezubno.
- Mesrun mesrip poprunno.
 (A) The examiner examines the students.
 (B) The examiner will examine the students.
 (C) The examiners will examine the student.
 (D) The examiner examined the student.
- Poprunno poprav neezub mesrag.
 (A) The students study the difficult examinations.
 (B) The student will study the difficult examination.
 (C) The students study the difficult examination.
 (D) The student studied the difficult examinations.

In questions 5 and 6 decide which of the four alternatives should be used to complete the sentence and then on the answer sheet blacken the space beneath the corresponding letter.

- Mesrun.....mesrag.
 (A) poprip
 (B) popes
 (C) neezip
 (D) pagrez
- Poprunno.....mesrag.
 (A) mesrun
 (B) cludeg
 (C) pagrip
 (D) diacz

This section of the examination consists of a series of algebraic problems which measure the applicant's ability to perform simple algebraic computations with speed and accuracy. The problems cover the elementary principles of addition, subtraction, multiplication, and division in algebra and require a knowledge of such concepts as factoring, exponents, and evaluation.

For each question decide which of the five possible answers, (A), (B), (C), (D), or (E), is the correct one and then blacken the space beneath the corresponding letter on the answer sheet.

7. If $2x + 4y = 17$ and $3y - 2x = 11$, then $y - 2x = (?)$

USE THIS SPACE FOR FIGURING.

- (A) $\frac{1}{2}$ (B) 1 (C) 2
 (D) 3 (E) 6
8. $\frac{(7)(8)}{(2)(6)} + \frac{7}{6} = (?)$
- (A) 1 (B) 4 (C) $\frac{14}{3}$
 (D) $\frac{49}{9}$ (E) 8

9. If $h = k = p = 5$, $21h^2 - 17k^2 + 6p^2 = (?)$
 (A) 50 (B) 100 (C) 250
 (D) 500 (E) 1100
10. If $i = -4$ and $n = 5$, then
 $3(n-i) - 8(i-n) = (?)$
 (A) -45 (B) -5 (C) 11 (D) 45 (E) 99

The following section measures the candidate's comprehension of words and his skill in dealing with word and thought relationships.

Directions.—Each of these questions consists of two words which have a certain relationship to each other, followed by five numbered pairs of related words. Select the numbered pair of words which are related to each other in the same way as the original pair of words are related to each other. Then, on the answer sheet, blacken the space beneath the number corresponding to the number of the pair you have selected.

11. SMILE : LAUGH :: 1—grin : whimper 2—grin : wail 3—whimper : wail 4—whimper : sad 5—mouth : face
12. HELMSMAN : SHIP :: 1—leader : victory 2—army : victory 3—enemy : battle 4—conscience : conduct 5—patriotism : nation
13. DINOSAUR : DRAGON :: 1—reptile : mammal 2—real : fabulous 3—prehistoric : medieval 4—kangaroo : antelope 5—wisdom : folly

Directions.—In each of the sentences below there is a blank space indicating that a word has been omitted. Beneath the sentence are five numbered words; from these five words you are to choose the one word which, when inserted in the blank space, best fits in with the meaning of the sentence as a whole. Blacken the space beneath the number on the answer sheet which corresponds to the number of the word you have chosen.

14. Although the Alps have often been described as a great _____, they have seldom protected the region to the south from invasion.
 1—phenomenon 2—barrier 3—thoroughfare 4—mystery 5—threat
15. The urban population of the United States has slowly _____, the urban decline in births being more than balanced by migration from the rural areas.
 1—decreased 2—consolidated 3—disintegrated 4—increased 5—assimilated
16. Studies of children have shown that democratically organized groups do better and more careful work than groups under the supposedly _____ methods of authoritarianism.
 1—dictatorial 2—obsolete 3—efficient 4—cooperative 5—haphazard

The following section is intended to identify the student who can apply basic knowledge in reasoning out solutions to new problems, rather than the student who has simply memorized formulas and processes. It is assumed that the applicant is familiar with the use of algebraic symbols and the elements of geometry.

For each question decide which of the five possible answers, (A), (B), (C), (D), or (E), is the correct one and then blacken the space beneath the corresponding letter on the answer sheet.

USE THIS SPACE FOR FIGURING.

17. A truck is licensed to carry between 7 and 8 tons. What is the maximum number of bushel bags of salt it may carry, if one bushel weighs 70 pounds and one ton equals 2,000 pounds?
 (A) 200 (B) 228 (C) 229 (D) 250 (E) 560
18. The reading of a certain instrument is the average of 6 successive positions of the indicator. If variations on either side of 24 are +3, -7, +2, -5, +2, and -4, what is the reading of the instrument?
 (A) -9 (B) 23.1 (C) 23.85 (D) 24.15 (E) 24.9
19. A new machine part requires 25% less material than the old part and weighs one-half as much. The weight per cubic foot of the new part is how many times that of the old?
 (A) $\frac{1}{8}$ (B) $\frac{3}{8}$ (C) $\frac{2}{3}$ (D) $\frac{3}{2}$ (E) 2
20. A rectangular sheet of paper has an area of 24 square inches. If 4 holes, each having a radius of $\frac{1}{4}$ inch, are punched in this sheet of paper, what percent of the area of the rectangle has been punched out?
 (A) $\frac{\pi}{2400}$ (B) $\frac{24-\pi}{2400}$ (C) $\frac{25\pi}{6}$
 (D) $\frac{50(6-\pi)}{3}$ (E) $\frac{25(24-\pi)}{6}$

5. SAMPLE ANSWER SHEET

Answers to the questions in all examinations will be indicated on a *separate answer sheet*, similar to the one below. No credit will be allowed for anything written in the test booklets. The answers to several of the questions are indicated in the appropriate places on this sample answer sheet. For a list of the correct answers to all questions, see page 71.

Mathematics Examination

- | | | | | | |
|-----|-----|-----|-----|-----|----------------|
| | A | B | C | D | E |
| 1. | --- | --- | --- | --- | --- |
| | A | B | C | D | E |
| 2. | --- | --- | --- | --- | --- |
| | A | B | C | D | E |
| 3. | --- | --- | --- | --- | --- |
| | A | B | C | D | E |
| 4. | --- | --- | --- | --- | --- |
| | A | B | C | D | E |
| 5. | --- | --- | --- | --- | --- |
| | A | B | C | D | E |
| 6. | --- | --- | --- | --- | --- |
| | A | B | C | D | E |
| 7. | --- | --- | --- | --- | --- |
| | A | B | C | D | E |
| 8. | --- | --- | --- | --- | --- |
| | A | B | C | D | E |
| 9. | --- | --- | --- | --- | --- |
| | A | B | C | D | E |
| 10. | --- | --- | --- | --- | --- |

English Examination

- | | | | | | | | |
|-----|-----|----------------|----------------|----------------|----------------|-----|-----|
| | 1-2 | 1-3 | 1-4 | 2-3 | 2-4 | 3-4 | |
| 1. | --- | --- | --- | --- | --- | --- | |
| | 1-2 | 1-3 | 1-4 | 2-3 | 2-4 | 3-4 | |
| 2. | --- | --- | --- | --- | --- | --- | |
| | 1-2 | 1-3 | 1-4 | 2-3 | 2-4 | 3-4 | |
| 3. | --- | --- | --- | --- | --- | --- | |
| | 1 | 2 | 3 | 4 | 0 | | |
| 4. | --- | --- | --- | --- | --- | --- | |
| | 1 | 2 | 3 | 4 | 0 | | |
| 5. | --- | --- | --- | --- | --- | --- | |
| | 1 | 2 | 3 | 4 | 0 | | |
| 6. | --- | --- | --- | --- | --- | --- | |
| | 1 | 2 | 3 | | | | |
| 7. | --- | --- | --- | | | | |
| | 1 | 2 | | | | | |
| 8. | --- | --- | --- | --- | --- | --- | |
| | 1 | 2 | 3 | 4 | | | |
| 9. | --- | --- | --- | --- | --- | --- | |
| | 1 | 2 | 3 | 4 | | | |
| 10. | --- | --- | --- | --- | --- | --- | |
| | 1 | 2 | 3 | 4 | 5 | | |
| 11. | --- | --- | --- | --- | --- | --- | |
| | 1 | 2 | 3 | 4 | 5 | | |
| 12. | --- | --- | --- | --- | --- | --- | |
| | 1 | 2 | 3 | 4 | 5 | | |
| 13. | --- | --- | --- | --- | --- | --- | |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 14. | --- | --- | --- | --- | --- | --- | --- |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 15. | --- | --- | --- | --- | --- | --- | --- |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 16. | --- | --- | --- | --- | --- | --- | --- |

United States History Examination

1.

1	2	3	4	5
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2.

1	2	3	4	5
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3.

1	2	3
---	---	---
4.

1	2	3
---	---	---
5.

1	2	3
---	---	---
6.

1	2	3
---	---	---
7.

A	B	C	D
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8.

A	B	C	D
---	---	---	---
9.

A	B	C	D
---	---	---	---
10.

A	B	C	D
---	---	---	---
11.

A	B	C	D
---	---	---	---
12.

A	B	C	D
---	---	---	---
13.

A	B	C	D
---	---	---	---
14.

A	B	C	D
---	---	---	---
15.

1	2	3	4	5
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16.

1	2	3	4	5
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West Point Aptitude Test

1.

A	B	C	D
---	---	---	---
2.

A	B	C	D
---	---	---	---
3.

A	B	C	D
---	---	---	---
4.

A	B	C	D
---	---	---	---
5.

A	B	C	D
---	---	---	---
6.

A	B	C	D
---	---	---	---
7.

A	B	C	D	E
---	---	---	---	---
8.

A	B	C	D	E
---	---	---	---	---
9.

A	B	C	D	E
---	---	---	---	---
10.

A	B	C	D	E
---	---	---	---	---
11.

1	2	3	4	5
---	---	---	---	---
12.

1	2	3	4	5
---	---	---	---	---
13.

1	2	3	4	5
---	---	---	---	---
14.

1	2	3	4	5
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15.

1	2	3	4	5
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16.

1	2	3	4	5
---	---	---	---	---
17.

A	B	C	D	E
---	---	---	---	---
18.

A	B	C	D	E
---	---	---	---	---
19.

A	B	C	D	E
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20.

A	B	C	D	E
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KEY TO ANSWERS

Mathematics Examination

1. E
2. E
3. A
4. C
5. C
6. E
7. D
8. B
9. E
10. C

English Examination

1. 2-4
2. 1-3
3. 2-3
4. 4
5. 2
6. 0
7. 2
8. 2
9. 1
10. 1
11. 3

English Examination—Con.

12. 1
13. 5
14. 3
15. 4
16. 4

United States History Examination

1. 5
2. 3
3. 3
4. 2
5. 1
6. 3
7. C
8. D
9. A
10. B
11. D
12. B
13. C
14. A
15. 1
16. 5

West Point Aptitude Test

1. A
2. D
3. B
4. C
5. A
6. D
7. D
8. B
9. C
10. E
11. 3
12. 4
13. 1
14. 2
15. 4
16. 3
17. B
18. C
19. C
20. C

GENERAL INFORMATION

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Academic. The United States Military Academy, an undergraduate college, offers a four-year course of study leading to the degree of Bachelor of Science. Except for a choice of one of the five languages offered, the curriculum is prescribed. Its purpose is threefold: to develop character and leadership ability; to provide a liberal education in the arts and sciences; and to give general, basic instruction in military matters. When a cadet has completed the four-year course of instruction he may, upon graduation, be appointed a second lieutenant in the regular army or air force.

The Department of Defense encourages the junior officer to take graduate work not only at postgraduate army and air force schools but also at postgraduate schools of civilian colleges and universities. Interspersed among these years of academic study are assignments that may take the officer not only to all parts of this country but also to foreign countries for tours of duty each lasting several years.

Pay and Allowances. Cadets receive their entire education at government expense and in addition are paid \$936 a year plus an allowance of the cost of one ration a day. From this total the cadet pays for food, books, clothing, etc. With proper economy during his four years he is able to save enough to purchase the initial supply of uniforms and equipment he will need as an officer.

The deposit of \$300 the cadet must make before he enters the Academy (see p. 89) is used to pay for the uniforms and personal equipment he is provided with immediately after admission.

DEPARTMENTS OF INSTRUCTION

The four Academy classes are the First (Senior) Class, the Second (Junior) Class, the Third (Sophomore) Class, and the Fourth (Freshman, or Plebe) Class.

DEPARTMENT OF ELECTRICITY

Professors: COLS. B. W. BARTLETT (Head of Department), J. W. GREEN, JR.

Associate Professors: COL. J. V. G. WILSON; LT. COL. R. I. HEINLEIN, JR.

Assistant Professors: LT. COLS. J. S. ADDINGTON, L. G. FORBES, D. W. HESTER.

Instructors: MAJORS R. C. BARTHLE, R. S. MALONEY, JR., R. S. NEUMELSTER, J. T. NEWMAN, R. M. NOONAN, E. G. RADCLIFF, L. V. SKINNER, W. M. SMITH; CAPTS. C. J. DAVIS, D. A. GRUENTHER, F. K. NICHOLS; 1ST LTS. G. CHEADLE, W. E. PEUGH.

NOTE: The survey courses in Electrical Engineering are somewhat broader in scope than the normal engineering school courses for non-electrical engineers. Demonstration-lectures and two-hour laboratory exercises supplement the regular classroom instruction at frequent intervals. The course is divided into parallel sub-courses.

Second Class

ELECTRICITY I: FIELDS, MACHINERY, AND NUCLEAR PHYSICS.

a. *Fields.* Basic ideas of magnetostatics, electrostatics, systems of units, and electromagnetics, requisite for study of electrical machinery. 24 hours (18 eighty-minute periods).

b. *Machinery.* Fundamentals of DC generators and motors; single-phase and polyphase AC alternators, motors, and transformers; selsyns and amplidynes. This subject is taught from the point of view of operational characteristics rather than design. 44 hours (33 eighty-minute periods).

c. *Nuclear Physics.* Historical development of modern concepts, nuclear reactions, radiation hazards, nuclear fission, atomic power. 24 hours (18 eighty-minute periods).

Laboratory. The department's power laboratories are equipped for the instruction of eighty cadets working in four-man teams. DC and AC machinery are studied. 20 hours (10 two-hour periods).

ELECTRICITY II: CIRCUITS, ELECTRONICS, AND COMMUNICATIONS.

a. *Circuits.* Basic laws and theorems of DC and AC electric circuits, electrical instruments, complex notation, single and polyphase systems, resonance phenomena, pads, filters. 51 hours (38 eighty-minute periods).

b. *Electronics.* Vacuum tube characteristics, cathode ray oscillograph, basic vacuum tube circuits (rectifier, amplifier, modulation, and oscillator), photocells. 35 hours (26 eighty-minute periods).

c. *Communications.* Wire telegraphy and telephony, AM and FM radio transmitters and receivers, propagation of electromagnetic waves, antennas, elementary principles of radar and television. 23 hours (17 eighty-minute periods).

Laboratory. The department's circuits laboratory is equipped for the instruction of one hundred twenty cadets working individually. Basic AC and DC circuits; electronics and communications. 50 hours (25 two-hour periods).

DEPARTMENT OF ENGLISH

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Professors: COL. G. R. STEPHENS (Head of Department), LT. COL. R. K. ALSPACH.

Associate Professors: LT. COLS. P. R. MOODY, T. S. SINKLER, JR. (Administrative Officer).

Assistant Professors: LT. COL. F. E. KRAMER; MAJORS B. J. GAULT, A. L. P. WERMUTH; CAPT. BURTON.

Instructors: LT. COLS. J. D. BYRNE, W. C. FREUDENTHAL, B. J. SMITH, E. V. V. SUTHERLAND; MAJORS R. T. DIXON, G. B. MOORE, R. P. SCOTT; CAPTS. J. S. D. EISENHOWER, R. W. FAAS, T. P. FUREY, B. F. HARDAWAY, JR., A. A. NORTON, H. S. WALKER, L. D. WALLIS; 1ST LTs. T. F. G. ADAIR, J. M. ALFONTE, J. C. BENNETT.

Fourth Class

COMPOSITION, READINGS, AND PUBLIC SPEAKING. *Assistant Professors:* Lt. Col. Kramer and Major Wermuth; *Instructors:* Lt. Col. Freudenthal; Major Scott; CAPTS. Eisenhower, Faas, Furey, Hardaway, Norton; 1st LtS. Adair, Alfonte, Bennett.

Lessons on punctuation and diction, with emphasis on the sentence and the paragraph, followed by theme assignments that progress through the simpler types of exposition—analysis, processes and mechanisms, feature article, investigative report, book review, critical essay, editorial—to a formal research paper. Diversified reading selections, including one long narrative poem, furnish effective examples of style and content for compositions and speeches. Public speaking stresses the preparation and presentation of various types of speeches, including the speech to inform, to convince, to actuate, to entertain, and ends with special work in debating. 39 hours.

*THE ESSAY. *Assistant Professor:* Major Wermuth.

Lectures, discussions, and theme assignments. The course begins with Montaigne, and then considers the great English and American essayists, including Bacon, Addison and Steele, Hunt, Lamb, Hazlitt, Stevenson, Emerson, Thoreau, and Repplier. 52 hours.

* Given during the spring term to the top sixty men in fourth-class English as determined by first term standings.

Third Class

LITERATURE. *Associate Professor:* Lt. Col. Moody; *Assistant Professors:* Major Gault; Capt. Burton; *Instructors:* Lt. Cols. Byrne, Smith, Sutherland; Majors Dixon, Moore; Capts. Walker, Wallis.

Selections from the best in world literature, with the approach through the literary tempers of classicism, romanticism, and realism. Among the works and writers studied under classicism are the *Bible*, Homer, Aeschylus, Plato, and Milton; under romanticism, the old English ballads, Shakespeare, Wordsworth, Keats, Shelley, Rostand, Browning, Emerson, and Kipling; under realism, Ibsen, Whitman, Koestler, and Sandburg. Further practice in writing and speaking is gained by the preparation of several papers and by class discussions of the readings. *68 hours.*

First Class

LITERATURE AND COMPOSITION. *Instructors:* As for Third Class.

Study and discussion of works in literature and the analyzation of effective writing in order to develop the ability for clear and effective expression. Advanced expository themes. *27 hours.*

DEPARTMENT OF FOREIGN LANGUAGES

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Professors: COL. C. J. BARRETT (Head of Department); LT. COL. W. J. RENFROE, JR.

Associate Professors: COL. A. HOPKINS; LT. COL. J. A. CLEVELAND, JR. (Administrative Officer).

Assistant Professors: LT. COLS. J. A. HEINTGES, B. D. JONES; MAJORS D. P. DAY, W. R. KRAFT, F. J. YEAGER.

Instructors: LT. COLS. J. D. CROWLEY, JR., J. G. FOCHT, R. A. JANOWSKI, M. S. MIRSKI; MAJORS C. F. BETTS, A. CORONA (Mexican Army), W. N. GULETSKY, S. T. KOSIOREK, J. H. UTLEY, J. D. YATES, C. F. RADLO; CAPTS. J. V. CHRISTY, J. W. DONALDSON, E. H. GERMANN, W. C. HARPER, L. V. HAYES, O. A. VELHO (Brazilian Army); 1ST LTS. J. W. HOWE, W. B. WIER; MESSRS. N. MALTZOFF, J. MARTINEZ, F. TILLER, P. VILS, C. VIOLLET.

Fourth Class

FRENCH. *Instructors:* Lt. Col. Crowley; Major Betts. **GERMAN.** *Instructors:* Lt. Col. Focht; Capt. Donaldson. **PORTUGUESE.** *Instructors:* 1st Lt. Wier; Mr. Vils. **RUSSIAN.** *Assistant Professor:* Major Yeager; *Instructors:* Majors Radlo, Yates; Mr. Maltzoff. **SPANISH.** *Assistant Professor:* Lt. Col. Jones; *Instructors:* Major Utley; Capt. Harper; Mr. Martinez.

Basic course in the fundamentals of the language. Covers pronunciation, basic grammar, elementary reading, simple written composition, and oral practice. Particular emphasis is placed on oral work, with the oral-aural skills developed by question and answer drills, prepared and extemporaneous dialogues, and individual short talks. After the first month of the course all classroom work is in the foreign language being studied. 91 hours.

Third Class

FRENCH. *Assistant Professor:* Major Kraft; *Instructors:* Capt. Germann; Mr. Viollet. **GERMAN.** *Assistant Professor:* Lt. Col. Heintges; *Instructors:* Capt. Christy; Mr. Tiller. **PORTUGUESE.** *Assistant Professor:* Major Day; *Instructor:* Capt. Velho. **RUSSIAN.** *Instructors:* Lt. Cols. Janowski, Mirski; Major Guletsky. **SPANISH.** *Instructors:* Majors Corona, Kosiorek; Capt. Hayes; 1st Lt. Howe.

Continuation of the Fourth Class course, with increased stress on the correct application of grammar principles. Reading and discussion of one or two literary works, historical and geographical material, and military articles. Continued written composition and continued emphasis on oral discussions, dialogues, and individual talks. Series of six or seven lectures on the culture of the country or countries whose language is being studied. All work conducted in the foreign language. *124 hours (106 eighty-minute periods).*

DEPARTMENT OF LAW



Professor: COL. C. W. WEST (Head of Department).

Associate Professor: COL. E. H. SNODGRASS.

Assistant Professor: LT. COL. R. B. DURBIN.

Instructors: COL. G. EMERY; LT. COL. J. RAY; MAJORS E. L. FARRELL, JR., W. FREEMAN, J. A. KERIG, JR., C. PALFREY, JR., B. F. PRANN; CAPTS. R. J. CARY, P. W. EASLEY.

First Class

Assistant Professor: Lt. Col. Durbin; *Instructors:* Col. Emery; Lt. Col. Ray; Majors Farrell, Freeman, Kerig, Palfrey, Prann; Capts. Cary, Easley.

a. *Elementary Law.* A broad basic coverage of the fundamental legal principles of contract, tort, agency, real and personal property, negotiable instruments, banking, and claims for and against the Government. 21 hours.

b. *Criminal Law.* A study of substantive criminal law essential to the proper exercise of court-martial jurisdiction. 17 hours.

c. *Constitutional Law.* Important phases of constitutional authority, guarantees, and limitations with special emphasis on sources and extent of military power. 18 hours.

d. *Evidence.* The rules of evidence required in court-martial practice. 17 hours.

e. *Military Law.* Study and practical application of court-martial procedure. Participation in moot courts is featured. 22 hours.

DEPARTMENT OF MATHEMATICS



Professors: COLS. W. W. BESSELL, JR. (Head of Department), C. P. NICHOLAS.

Associate Professors: COL. P. D. CALYER; LT. COL. R. C. YATES.

Assistant Professors: LT. COLS. G. P. ANDERSON, A. W. OBERBECK, K. E. TILTON, J. J. WILSON.

Instructors: COL. N. O. OHMAN; LT. COLS. M. J. ALTENHOFEN, W. E. GUNSTER, L. L. HASEMAN, J. H. HAYES, J. T. HONEYCUTT, F. W. JENKINS, H. J. KATZ, G. W. LEWIS, JR. (Executive Officer), M. R. RUSSELL, J. R. SCHRADER, W. A. SUSSMAN, J. J. WALD; MAJORS J. J. COURTNEY, R. M. HORRIDGE, H. RICHARDSON, JR., O. C. TONETTI; CAPTS. R. L. ALGERMISSEN, J. H. CABANISS, H. V. ELLIS, W. JAMAR, T. M. JOHNSTON, W. L. KAHN, J. W. LAKIN, J. M. POLLIN, P. A. TISDALE, A. L. TOTH; 1ST LTS. R. A. BAHLS, T. R. MARKS.

Fourth Class

FOURTH CLASS MATHEMATICS. *Associate Professor:* Col. Calyer; *Assistant Professors:* Lt. Cols. Anderson, Tilton, Wilson; *Instructors:* Lt. Cols. Gunster, Jenkins, Lewis, Schrader, Sussmann, Wald; Majors Horridge, Richardson, Tonetti; Capts. Algermissen, Cabaniss, Ellis, Jamar, Johnston, Kahn, Lakin, Pollin, Tisdale, Toth; 1st Lts. Bahls, Marks.

a. *Algebra.* A brief review of the fundamental algebra required for entrance to the Military Academy, followed by college algebra, including mathematical induction, the binomial theorem, complex numbers, theory of equations, inequalities, determinants, mathematics of finance, permutations and combinations, probability, partial fractions, and infinite series. 51 hours (38 eighty-minute periods).

b. *Slide Rule.* The theory and use of the several scales of the slide rule. 5 hours (4 eighty-minute periods).

c. *Trigonometry.* The course covers both plane and spherical trigonometry and stresses applications. 48 hours (36 eighty-minute periods).

d. *Solid Mensuration.* Deals with areas and volumes of solids. Generally similar to solid geometry, but is less theoretical and involves more applied problems. 20 hours (15 eighty-minute periods).

e. *Analytic Geometry.* Plane and solid analytic geometry. The course includes first, second, and higher degree equations in two and three variables: rectangular, polar, cylindrical co-ordinates; conic sections, parameters, and parametric equations. 106 hours (80 eighty-minute periods).

f. *Calculus*. An introduction to calculus. The mechanics of differentiation and integration; and simple applications to area, volumes, moments, center of gravity, work, and fluid pressure. 44 hours (83 eighty-minute periods).

Third Class

*THIRD CLASS MATHEMATICS. *Associate Professor*: Lt. Col. Yates; *Assistant Professor*: Lt. Col. Oberbeck; *Instructors*: Col. Ohman; Lt. Cols. Altenhofen, Haseman, Hayes, Honeycutt, Katz, Russell; Major Courtney.

a. *Calculus*. The course quickly reviews the fourth class course and then continues with a unified coverage of differential and integral calculus at a second year engineering college level, with emphasis on applications. *Upper*, 88 hours (66 eighty-minute periods); *lower*, 104 hours (78 eighty-minute periods).

b. *Differential Equations*. *Upper* and *lower* sections both cover standard types of first order equations, integrating factors, certain higher order equations, and applications to harmonic motion. In addition, the *upper* sections cover additional types of equations and important applications to physical and geometrical problems. *Upper*, 24 hours (18 eighty-minute periods); *lower*, 12 hours (9 eighty-minute periods).

c. *Statistics*. *Upper* and *lower* sections cover essentially the same material. The course includes classification of data and computation of descriptive measures; some theoretical distributions; and applications of sampling techniques. *Upper*, 25 hours (19 eighty-minute periods); *lower*, 21 hours (16 eighty-minute periods).

* The cadets are divided into "upper" and "lower" groups of sections at the beginning of third class mathematics. The upper group progresses more rapidly and covers extra subject matter during the year.

DEPARTMENT OF MECHANICS

Professors: COLS. O. J. GATCHELL (Head of Department), E. R. HEIBERG.

Associate Professors: LT. COLS. G. J. MURRAY, JR., W. H. VAIL, JR.

Assistant Professors: LT. COLS. R. M. CLOCK, J. M. MCBRIDE, T. M. NOSEK; MAJOR C. E. COATES, JR.

Instructors: LT. COLS. H. R. FRASER, G. MAYO, JR.; MAJORS H. J. BESTERVELT, D. K. BLUE, L. B. FISHER, S. N. KARRICK, JR., C. W. LENFEST, J. B. NEWMAN, III, W. W. WATKIN, JR.; CAPTS. J. F. BUYERS, E. S. OTT, JR., C. W. SAMPSON.

Second Class

MECHANICS OF SOLIDS. *Associate Professor:* Lt. Col. Murray; *Assistant Professors:* Lt. Col. Nosek; Major Coates; *Instructors:* Lt. Col. Mayo; Majors Bestervelt, Blue, Watkin; Capts. Buyers, Sampson.

a. *Analytical Mechanics.* The principles of mechanics considered essential for an understanding of engineering, including the study of statics, kinematics, and kinetics. The course includes resolution of moments and forces; couples; dimensional equations; resultants of and equations of equilibrium for coplanar and non-coplanar force systems; graphical analysis of coplanar force systems; free body diagrams; analysis of trusses by joints, by sections, and graphically; friction of blocks, wedges, pivots, screws, belts, and rollers; first and second moments, centroids, centers of pressure for two- and three-dimensional bodies; motion of a particle, including velocities, accelerations, trajectories; motion of rigid bodies (mechanisms); force, mass, and accelerations of bodies in translation, rotation, and plane motion; center of percussion; work and energy; impulse and momentum; moving vanes; direct central impact; gyroscopic motion. *91 hours (68 eighty-minute periods).*

b. *Strength of Materials.* Stresses and strains encountered in various materials and structural members under the action of external forces. Particular emphasis is placed on the engineering significance rather than on the mathematics involved in the analyses. The course includes stresses on normal and oblique sections caused by central and eccentric axial loads; stress-strain curves for various materials; indeterminate axially loaded members; thermal stresses; stress concentration; thin and thick-walled cylinders; torsion of shafts; indeterminate torsional members; modulus of rupture; shear flow; beam reactions; shear and moment diagrams; flexure formula; maximum bending moments; beam deflection by moment areas and by elastic curve equation; maximum deflections; economic sections; moving loads; indeterminate beams; combined axial and bending loads; eccentric loads; columns; relations between stresses at a point; Mohr's circle; theories of failure;

impact and energy loads, including working stress, ultimate resistance, stresses and beam shapes; and composite beams. 48 hours (36 eighty-minute periods).

MECHANICS OF FLUIDS. *Associate Professor:* Lt. Col. Vail; *Assistant Professors:* Lt. Cols. Clock, McBride; *Instructors:* Lt. Col. Fraser; Majors Fisher, Karrick, Lenfest, Newman; Capt. Ott.

a. *Thermodynamics.* Engineering thermodynamics. Principal attention is given to the study of the conversion of thermal energy into mechanical energy and to the processes of heat transfer, mechanical refrigeration, and air conditioning. The classroom work includes the general energy equation; characteristic equation of a perfect gas; energy equation of a perfect gas; reversible nonflow processes of gases including P-V and T-S diagrams; Carnot, Ericsson, and reversed gas cycles; the first and second laws of thermodynamics; entropy; Otto, Diesel, dual, and Brayton cycles; air compression; air engines; flow of gases; nozzles; P-V and T-S diagrams for steam; steam tables, Mollier diagram and Ellenwood charts; processes for steam; vapor cycles, including Rankine, incomplete expansion, reheat, regenerative and binary; refrigeration; mixtures of vapors and gases (the atmosphere); air conditioning; the psychrometric chart. 53 hours (40 eighty-minute periods).

Laboratory. A correlation of actual performance characteristics and theory previously studied in the classroom. The equipment used includes gasoline and diesel engines, jet engines, steam engines and turbines, air compressors, air tools, refrigeration, and air conditioning. 30 hours (15 two-hour periods).

b. *Fluid Mechanics.* The laws of mechanics as they apply to liquids, vapors, and gases. Principal emphasis is placed on the mechanical properties of water and air. The classroom work includes specific weight; density; compressibility; surface tension; pressures in compressible and incompressible fluids; manometers; center of pressure; introduction to design of dams; buoyant forces; laminar flow; turbulent flow; distribution of velocity; steady and unsteady flow; Bernoulli's equation; continuity of flow; hydraulic gradient; energy gradient; venturi meter; pitot tube; orifices; uniform flow; conduits; solution of flow problems with Reynolds' number known and unknown; effect of roughness; flow through siphons; design of pipe lines; divided and branching flow; flow through noncircular closed conduits; flow in open channels; most efficient cross section; determination of velocity and discharge of open channels; flow through orifices; nonuniform flow; short tubes; minor losses; weirs; nonuniform flow in open channels; critical slope; transition sections; venturi flume; Froude number; Weber number; flow of compressible fluids; forces exerted by fluids in motion; turbines; pumps; water hammer. 57 hours (43 eighty-minute periods).

Laboratory. Practical exercises. The equipment used includes pumps, turbines, various measuring devices, and a wind tunnel. 12 hours (6 two-hour periods).

DEPARTMENT OF MILITARY ART AND ENGINEERING



Professors: COLS. T. D. STAMPS (Head of Department), V. J. ESPOSITO.

Associate Professors: LT. COLS. R. G. MACDONNELL (Executive Officer), G. P. WINTON, JR.

Assistant Professors: COL. R. C. BOYS; LT. COLS. C. M. DUKE, C. P. EASTBURN, W. H. LEWIS.

Instructors: COL. D. F. TATUM; LT. COLS. J. B. W. COREY, JR., P. L. ELLIOTT, G. L. EVANS, JR., W. J. FELLEZ, R. R. GANNS, J. A. GRAF, JR., E. F. HOLTON, R. S. KELLEY, C. T. MARSH, JR., E. T. PODUFALY, C. E. SPANN, JR., J. F. THOMASON, W. L. WINEGAR; MAJOR A. T. SURKAMP; CAPT. E. F. MCCABE.

First Class

MILITARY ENGINEERING. *Associate Professor:* Lt. Col. MacDonnell; *Assistant Professors:* Lt. Cols. Duke and Lewis; *Instructors:* Lt. Cols. Corey, Evans, Graf, Kelley, Podufaly, and Winegar; Major Surkamp; Capt. McCabe.

a. *Structural Analysis.* Analysis of stresses in structures, with emphasis on bridges. It includes determination of reactions, shear, and moment in beams and girders; analysis of stresses due to standard highway and railroad loadings, using influence lines; analytic analysis of trusses; and analysis of statically indeterminate beams and simple angle frames. 67 hours (50 eighty-minute periods).

b. *Structural Design.* Design of steel and wood structures, with emphasis on bridges. It includes design of beams, girders, and tension and compression members; riveted and welded joints; and design of a simple truss bridge. 44 hours (33 eighty-minute periods).

c. *Army Engineering.* Instruction in military bridges, military roads, demolitions, field fortifications, camouflage, airfields, and construction in war. 29 hours (22 eighty-minute periods).

HISTORY OF MILITARY ART. *Associate Professor:* Lt. Col. Winton; *Assistant Professors:* Col. Boys, Lt. Col. Easturn; *Instructors:* Col. Tatum; Lt. Cols. Elliott, Fellenz, Ganns, Holton, Marsh, Spann, and Thomason.

The evolution of the art of war—on land, on sea, and in the air. Ancient concepts of war; the impact of successive technological advances on the conduct of war in the strategic and tactical fields; the attributes of great military leaders and their contributions to the advancement of the art of war; the development and application of the principles of strategy; the growing influence of logistics upon strategy and tactics that has come about because of the expansion of the spheres of conflict, of the employment of huge military forces, and of the methods and means of warfare; the growth, influence, and interrelation of land, sea, and air power in military operations; the principles governing the organization and functioning of high commands in joint operations; and studies of military leaders of the army, navy, air force, and of unified commands. The course, which is an integral part of the Program of Studies in National Security, also points out the impact on warfare of nonmilitary factors—treated in detail by the Department of Social Sciences—concurrently with the study of military operations. *140 hours (105 eighty-minute periods).*

DEPARTMENT OF MILITARY HYGIENE



Professor: COL. C. L. KIRKPATRICK (Head of Department).

Assistant Professor: LT. COL. S. J. WEIDENKOPF.

First Class (beginning with the Class of 1952 this course will be given to the Third Class)

SANITATION AND PREVENTIVE MEDICINE. Responsibilities for sanitation and preventive medicine measures as they affect the unit commander at all levels. The strategic and tactical influence of disease in modern war, environmental sanitation, psychiatry, atomic warfare casualties, and alcoholism. *12 hours.*

Fourth Class

HYGIENE. Instruction in first aid, field sanitation, care of troops, personal hygiene, and sex hygiene. *12 hours.*

DEPARTMENT OF MILITARY TOPOGRAPHY AND GRAPHICS



Professors: COL. L. E. SCHICK (Head of Department); LT. COL. C. R. BROSHOUS.

Associate Professors: LT. COLS. D. W. GRAY, L. J. HILLBERG, D. D. RULE.

Assistant Professors: LT. COLS. R. C. CRAWFORD, JR., J. R. REEVES; MAJOR T. J. McADAM (Administrative Officer).

Instructors: LT. COLS. G. E. HOWARD, JR., A. E. MCCOLLAM, D. S. PARKER, L. F. SCHOCKNER, E. A. TRAHAN; MAJORS J. M. ANDERSON, E. L. HEHN, T. W. MAXWELL, P. H. RIEDEL, JR., P. A. WYMAN; CAPTS. J. K. MCGREGOR, W. B. SMITH, JR., G. A. TUTTLE, A. W. VAN SCHOICK, JR., A. G. WITTERS; 1ST LTS. J. F. HOLCOMB, F. F. MARVIN.

Fourth Class

GRAPHICS. *Associate Professors:* Lt. Cols. Gray, Rule; *Assistant Professor:* Lt. Col. Crawford; *Instructors:* Lt. Col. Trahan; Majors Anderson, Riedel; Capts. McGregor, Tuttle, Witters; 1st Lt. Marvin.

Graphics I. A basic course in descriptive geometry and engineering drawing. Use of instruments; pictorial representation; orthographic principal views; mechanical perspective; lines, planes, and auxiliary views. 74 hours (37 two-hour periods).

Graphics II. A continuation of *Graphics I.* Intersections and developments; map projections; working drawings, both detail and assembly; charts, graphs, and inking; and design of simple wooden structures. 104 hours (52 two-hour periods).

Third Class

MILITARY TOPOGRAPHY. *Associate Professor:* Lt. Col. Hillberg; *Assistant Professor:* Lt. Col. Reeves; *Instructors:* Lt. Cols. Howard, McCollam, Parker, Schockner; Majors Hehn, Maxwell, Wyman; Capts. Smith, Van Schoick; 1st Lt. Holcomb.

Military Topography I. a. Surveying. The fundamentals of plane and topographic surveying including horizontal and slope taping, familiarization with instruments, differential leveling, measurement of angles and direction, transit surveys, stadia surveying and stadia levels,

theory and use of plane table, triangulation, and contouring. The course includes twenty-four hours of field problems. *50 hours (25 two-hour periods).*

b. *Elementary Map Reading.* The fundamentals of military map reading; conventional signs; geographic co-ordinates; military grid and referencing systems; military symbols and overlays; profiles and visibility; direction and azimuth; determination of direction—field methods. *24 hours (12 two-hour periods).*

Military Topography II. Advanced Map Reading. Map projections; military grid systems; map analysis, foreign maps; aeronautical charts; basic photogrammetry, use of vertical and oblique photos, photomaps, stereoscopy, and stereo contouring; topographic drafting from air photos; terrain appreciation; and field military sketching. *104 hours (52 two-hour periods).*

DEPARTMENT OF ORDNANCE



Professor: COL. J. W. COFFEY (Head of Department).

Associate Professor: COL. E. C. REBER.

Assistant Professors: LT. COLS. M. H. CLARK, H. E. MIKKELSEN, R. J. RASTETTER.

Instructors: LT. COLS. S. W. CONNELLY, E. M. LEE; MAJORS R. H. EDGER, J. J. PIDGEON, P. B. SCHUPPENER, E. P. WYNNE; CAPT. J. T. PETERSON.

First Class

ENGINEERING MATERIALS, PROCESSES, AND MECHANISMS. *Assistant Professor:* Lt. Col. Mikkelsen; *Instructors:* Lt. Cols. Connelly, Lee; Majors Edger, Pidgeon, Schuppener, Wynne; Capt. Peterson.

The structure of metals; cooling curves, equilibrium diagrams, heat and surface treatments, plastics, ferrous and nonferrous metals and alloys; the means of shaping metals such as casting, hot working, cold working, welding, and machining on a mass production scale; cams, gears, bearings, and servomechanisms. 16 hours (12 seventy-minute periods; 1 two-hour laboratory period).

ARMAMENT ENGINEERING AND MATERIEL. *Assistant Professor:* Lt. Col. Clark; *Instructors:* Lt. Col. Connelly; Majors Pidgeon, Schuppener, Wynne.

Design, engineering, production, and trends of development of explosives, ammunition, small arms, artillery, and guided missiles; the principles of interior, exterior, and terminal ballistics. 52 hours (40 seventy-minute periods; 3 two-hour laboratory periods).

AUTOMOTIVE ENGINEERING AND MATERIEL. *Assistant Professor:* Lt. Col. Rastetter; *Instructors:* Lt. Cols. Mikkelsen and Lee; Major Edger; Capt. Peterson.

Design, engineering, production, functioning, and trends of development of wheeled and track-laying vehicles, with emphasis on gasoline and diesel internal combustion engines; power transmission systems; suspensions; steering systems and brakes. The laboratory work consists of disassembly, inspection, and assembly for operation, of originally un-serviceable gasoline truck engines; work is group effort by not more than four cadets to a group. 52 hours (28 seventy-minute periods; 10 two-hour laboratory periods).

DEPARTMENT OF PHYSICS AND CHEMISTRY



Professors: COLS. G. A. COUNTS (Head of Department), E. C. GILLETTE, JR.

Associate Professors: LT. COLS. R. C. TRIPP, C. H. WOOD.

Assistant Professors: LT. COLS. E. A. FLANDERS, H. R. HALLOCK, J. R. JANNARONE, J. H. ROTHSCHILD; MAJOR R. B. ARNOLD.

Instructors: LT. COLS. E. W. BROWN, J. B. R. HINES; CMDR. R. F. KELLY; MAJORS B. S. EVANS, C. E. HOWE, JR., J. J. NEUER, J. R. NICKEL; CAPTS. J. B. BEACH, J. F. DEATHERAGE, R. D. MCCORD, F. A. SMITH, JR.; 1ST LTS. W. J. HENDERSON, J. N. ROBINSON, JR.

Third Class

PHYSICS. *Associate Professor:* Lt. Col. Tripp; *Assistant Professors:* Lt. Cols. Hallock, Jannarone; Major Arnold; *Instructors:* Lt. Cols. Brown, Hines; Majors Howe, Nickel; Capts. McCord, Smith.

a. *Mechanics.* Statics and dynamics, molecular forces, fluids, and elasticity and strength of materials. 53 hours (29 eighty-minute classroom periods; 7 two-hour laboratory periods).

b. *Sound.* The mechanics of wave motion and the production and transmission of sound. 11 hours (7 eighty-minute classroom periods; 1 two-hour laboratory period).

c. *Heat.* Temperature, kinetic theory of gases, radiation, mechanical equivalent of heat, and certain aspects of meteorology. 20 hours (12 eighty-minute classroom periods; 2 two-hour laboratory periods).

d. *Electricity.* Magnetism, electrostatics, electrical circuits, dynamos, condensers, inductance, and certain aspects of alternating current. 41 hours (25 eighty-minute classroom periods; 4 two-hour laboratory periods).

e. *Light.* The nature and propagation of light, reflection and refraction of light, optical instruments, color and spectra, interference, and polarization. 27 hours (16 eighty-minute classroom periods; 3 two-hour laboratory periods).

CHEMISTRY. *Associate Professor:* Lt. Col. Wood; *Assistant Professors:* Lt. Cols. Flanders, Rothschild; *Instructors:* Cmdr. Kelly; Majors Evans, Neuer; Capts. Beach, Deatherage; 1st Lts. Henderson, Robinson.

A general chemistry course. Lectures, classroom recitations, and laboratory work deal with the essential principles of chemistry. Laboratory work designed to give familiarity with chemical apparatus and method. 133 hours (70 eighty-minute classroom periods; 20 two-hour laboratory periods).

DEPARTMENT OF SOCIAL SCIENCES



Professors: COLS. H. BEUKEMA (Head of Department), G. A. LINCOLN.

Associate Professors: COL. W. S. STONE; LT. COL. J. D. F. PHILLIPS
(Executive Officer).

Assistant Professors: COL. T. L. CRYSTAL; LT. COLS. E. A. BAILEY,
P. O. BUCKHOLTS, E. C. DUNN, J. S. HARNETT, T. H. HARVEY, J. F.
RHOADES, G. H. WOODWARD.

Instructors: LT. COLS. J. A. BOWMAN, C. W. CLAPSADDLE, G. H. HOLT-
ERMAN, C. L. JOHNSON, L. A. KUNSIG, C. R. LADD, J. M. SAGE,
M. C. SMITH; MAJORS H. A. BARBER, H. M. BOWLBY, S. GUSTAVES,
S. H. HAYS, H. F. JORDAN, P. H. KRAUSS; CAPTS. R. N. GINSBURGH,
L. SEMBACH; 1ST LTS. G. A. GARMAN, JR., R. J. ULRICH.

NOTE: The courses in Social Sciences are co-ordinated and interrelated. As integral parts of the Program of Studies in National Security, they are also co-ordinated with those courses in other departments—such as the History of Military Art in the Department of Military Art and Engineering—that are integral parts of the same Program. The general objectives of the Social Sciences courses, in addition to education in the responsibilities of citizenship, are the development of (1) a comprehension of the relationship to national security of the social, political, and economic facets of American life; (2) the total value and essential character of the security problem today; and (3) an understanding that the military is dependent on and subservient to the other elements of our national being.

Second Class

HISTORY, GOVERNMENT, AND GEOGRAPHY. *Associate Professor:* Lt. Col. Phillips; *Assistant Professors:* Lt. Cols. Bailey, Buckholts, Dunn, Rhoades, Woodward; *Instructors:* Lt. Cols. Kunzig, Ladd, Sage, Smith; Majors Barber, Bowlby, Gustaves, Hays, Krauss; Capt. Sembach; 1st Lt. Garman.

a. *Economic and Industrial Geography.* The investigation of the elements of physical geography (climate, soils, landforms) and their relationship to man, by the study of principles and areal examples. In addition, the economic geography of raw materials, industries, trade, and transportation is developed, leading to a world point of view of the significance of basic geographical factors. 37 hours.

b. *History of Modern Europe.* A politico-social survey of the history of Europe from 1500 to the end of World War II. Major emphasis is placed on the origin of the European balance of power system, the development of sovereign states, and the subsequent rivalries of these

states. The primary purpose of the course is to provide a knowledge of the social, economic, and political institutions of modern Europe sufficient to serve as a basis for comprehension of contemporary problems in Europe and the world. 65 hours.

*c. *History of Russia.* The major themes of the political, cultural, and social history of Russia—with emphasis on the period since 1533—in order to afford a basis for understanding current problems peculiar to Russia or international in scope. The peoples, institutions, traditions, and cultures of Russia are studied in order to bring about a comparative evaluation of similar phenomena in the United States. 36 hours.

*d. *History of Latin America.* A study of the nature, origins, and development of the political, social, and cultural institutions of Latin America from colonial times to the present. The relationships of the countries of the Western Hemisphere to each other are studied, with particular emphasis on the position of the United States. Stress is placed on the economic and geographic factors which have contributed to the present development of Latin America. 29 hours.

e. *Modern History of the Far East.* A politico-social survey of the history of the Far East from the beginning of the 19th century to World War II. Major emphasis is placed on the impact of the West upon the social, political, and economic institutions of China and Japan. The course is designed to give sufficient knowledge of the political and cultural forces at play in the Far East to serve as a basis for comprehension of the problems confronting the United States in China and Japan. 28 hours.

f. *National Government of the United States.* A survey of the federal government. Stress is laid on its inception and bases; on citizenship and civil rights, political parties and public opinion, the process of nomination and election, the structure and powers of Congress, the Presidency, and the judiciary; and on the functions and services performed by the government in the fields of finance, business, labor, agriculture, social security, foreign relations, and national defense. Designed to give the fundamental knowledge needed for understanding the duties and responsibilities of citizenship. 24 hours.

**g. *Diplomatic History of the United States.* Nature, origins, and development of the foreign policy of the United States from colonial times to the present. The object of the course is to give a basic understanding of the evolution of the foreign policy of the United States. 24 hours.

h. *Contemporary Foreign Governments.* A survey of the political institutions of Great Britain, France, Italy, Germany, the USSR, and Japan, plus a comprehensive view of the problems of national security

* Given to those cadets who have passed successfully a qualifying examination in *History of Modern Europe.*

** Given to those cadets who have passed successfully a qualifying examination in *National Government of the United States.*

and international organization. Attention is focused on the contemporary struggle between forces favorable to the development of representative government, or democracy in the Western sense, and the anti-democratic forces favorable to the development of modern dictatorship. Stress is placed upon the relationship between internal political developments and foreign policy in each of the nations studied, and attention is given to the power factor in politics. 24 hours.

First Class

ECONOMICS AND INTERNATIONAL RELATIONS. *Associate Professor:* Col. Stone; *Assistant Professors:* Col. Crystal; Lt. Cols. Harnett, Harvey; *Instructors:* Lt. Cols. Bowman, Clapsaddle, Holterman, Johnson; Major Jordan; Capt. Ginsburgh; 1st Lt. Ulrich.

a. *Economics.* A study of basic economic principles, facts, and institutions, with national income providing the unifying theme. The first part of the course is concerned with basic economic concepts, national income, business and labor organization, and the economic role of government; the second part with the determination of national income and its fluctuations, and the role of savings and investment; the third part with the composition and pricing of national output. Principles of insurance and personal finance are included. 49 hours (42 seventy-minute periods).

b. *Economics of Security.* The allocation of national resources to the components of national security and the optimum utilization of these resources. All aspects of the economics of security—consumption logistics, industrial mobilization, military economics of both a peacetime and a wartime economy, and the quasi-military and nonmilitary economic measures of cold war—are interrelated. The factors considered under these heads deal with manpower, raw materials, stockpiling, finance, transportation, communications, and power. Primary consideration is given to capabilities and readiness measures as regards these factors and to their conversion to and operation in a wartime economy. 24 hours (26 seventy-minute periods).

c. *International Relations.* An analysis and interrelation of the political, psychological, economic, demographic, and military factors that condition the international policies and actions of states. Contemporary international problems are studied; and the basic elements that influence a state's foreign relations and the instruments and mechanisms through which nations adjust their international policy differences are surveyed, as well as the diplomatic and organizational techniques historically and currently employed by great powers. Ideological differences and the security implications of all power relationships are discussed. The final exercise is a two-week committee research problem in which an important problem confronting the United States is investigated and action recommended. 48 hours (41 seventy-minute periods).

DEPARTMENT OF TACTICS



Tactics

Commandant of Cadets: COL. P. D. HARKINS (Head of Department).

Assistant Commandant: LT. COL. J. K. WATERS.

Brigade Staff: S-1: LT. COL. F. D. MILLER; *Assistants:* MAJOR G. W. COOPER, CWO F. J. MARTIN; *S-3:* LT. COL. D. V. BENNETT; *Assistants:* LT. COL. E. J. LATOSZEWSKI, CWO A. T. LAVERY; *S-4:* LT. COL. Y. H. WOLFE; *Assistants:* LT. COL. B. STERNBERG; MAJORS D. DAVIS, C. C. FISHBURNE.

First Regiment: Commanding Officer: LT. COL. J. K. WOOLNOUGH; *Executive Officer:* LT. COL. A. S. COLLINS; *S-1:* LT. COL. R. H. SCHELLMAN; *Company Tactical Officers:* COMMANDER F. HALE; LT. COLS. B. C. ANDRUS, R. W. GARRETT, S. W. KOSTER, E. D. LIGHT, R. B. MARLIN, J. W. MILNER, R. S. MORRISON, K. C. ROBERTSON, R. H. SCHELLMAN, E. P. SMITH, R. H. YORK.

Second Regiment: Commanding Officer: LT. COL. C. DEW. W. LANG; *Executive Officer:* LT. COL. A. B. SUNDIN; *S-1:* MAJOR W. D. SHORT; *Company Tactical Officers:* LT. COLS. W. D. CRITTENBERGER, H. L. CROUCH, V. W. HOBSON, W. N. HOLM, J. J. IRVIN, J. A. NORRIS, W. R. TUCK, H. P. TUCKER, J. WATT; MAJORS E. B. EDWARDS, H. HARMELING; CAPT. D. B. CULLINANE.

Fourth Class

a. *Summer.* Basic military training in preparation for the military life. Orientation and indoctrination in duty and honor. *8 weeks.*

b. *Academic Year.* A continuation of basic military training in individual techniques and in tactics and techniques of small units. Close order drill, map reading and terrain appreciation, military courtesy, basic weapons, squad tactics, introduction to armor, and basic techniques of conduct of fire of artillery units. *65 hours.*

Third Class

a. *Summer.* Instruction in tactics and techniques of small units; in the care, employment, and firing of type weapons; and in the techniques of various services. Armored and artillery training, signal exercises, transportation corps training, engineer training, quartermaster training, and infantry training to include the platoon. *8 weeks.*

b. *Academic Year.* Training in small units of the infantry, in the basic organization and uses of air force units, and in close order drill. *36 hours.*

Second Class

a. *Summer.*

1. Capabilities, limitations, tactics and techniques of type air force units and of airborne units. *4 weeks.*
2. Instruction in the organization, equipment, and tactical employment of units engaged in amphibious operations. Joint training with midshipmen. *2 weeks.*
3. Organization and equipment of Transportation Corps units. *1 week.*

b. *Academic Year.* Instruction in close order drill, antiaircraft artillery, armor, and tactics and techniques of the infantry company. *65 hours.*

First Class

a. *Summer.*

1. Combined-arms trip to Air Material Command at Wright-Patterson Air Force Base, Antiaircraft Artillery School at Fort Bliss, Infantry School at Fort Benning, and the Armored School at Fort Knox. *2 weeks.*
2. Training as administrative officers and instructors to the Third Class, the Fourth Class, or to trainees at various replacement training divisions. *5 weeks.*

b. *Academic Year.* Instruction in close order drill, organization of the armed forces, techniques of the air force, orientation of the commissioned officer, and tactics and techniques of combined arms. *94 hours.*

Military Psychology and Leadership

Director: LT. COL. S. E. GEE.

Associate Director and Staff Psychologist: DR. W. D. SPENCER.

Assistant Directors: LT. COLS. C. G. FREDERICKS, R. W. RUMPH;
MAJOR C. E. COVELL.

Brigade Aptitude Officer: MAJOR H. F. SMITH.

Instructors: LT. COLS. T. H. ANDREWS, J. N. DAVIS, L. E. ENGLISH (USMC), W. M. KASPER, J. F. PEARSALL; CAPTS. H. A. GRACE, R. C. LEE.

Third Class

Basic Psychology. Designed to give an understanding of the principles underlying individual and group human behavior and the ways in which this knowledge can be used in the effective handling of problems in human relations. It includes a detailed consideration of psychology and scientific method, personality and individual differences, motivation, emotional behavior, frustration, conflict, adjustment, learning and conditioning, and social problems. *27 hours.*

Second Class

a. *Leadership in the Corps.* A review of the principles of basic psychology and their application to leadership problems within the Corps of Cadets. 10 hours.

b. *Military Instructor Training.* Instruction in the personal and professional qualifications required of a good military instructor. Treated in some detail are the principles of educational psychology and application thereof: methods and procedures for effecting desired training in the shortest possible time, including preparation by the instructor, methods used in presentation, techniques of applying information and skills, purposes and types of examinations, procedures in conducting discussions and critiques, techniques of supervision of instruction, and selection and construction of training aids. Included are supervised presentations by each cadet of a lecture, a conference, and a directed discussion. 36 hours (27 eighty-minute periods).

First Class

Leadership in the Service. The principles of psychology as applied to military management and leadership in the Service, leading into a detailed study of the officer's relations with his men, maxims of leadership, morale and esprit de corps, psychological warfare, rumor, panic and mob, leadership in combat, the American citizen soldier, civilian components, and public relations. 52 hours.

Physical Education

Director: COL. F. M. GREENE.

Assistant to the Director: DR. L. O. APPLETON.

Instructors: LT. COL. G. G. O'CONNOR (Executive Officer); MAJORS J. H. BUCKNER, R. R. EVANS; CAPT. R. L. FLINT; MESSRS. R. M. BRUCE, J. B. KRESS, H. J. KROETEN, W. F. LEWIS, G. W. LINCK, T. E. MALONEY, J. M. PALONE, R. E. SORGE, T. F. TRIOL.

NOTE: In addition to the courses listed below, each cadet takes part throughout his four years in the following annual schedule of intramural athletics:

Fall: 20 attendances (compulsory) in football, golf, lacrosse, or track.

Winter: 16 attendances (voluntary) in basketball, boxing, handball, squash, swimming, wrestling, or volleyball.

Spring: 16 attendances (compulsory) in cross country, golf, softball, tennis, soccer, or water polo.

Summer: 20 attendances (compulsory for Third Class only) in basketball, softball, skeet, swimming, tennis, touch football, volleyball, golf, or canoeing.

Fourth Class

a. Summer.

1. Conditioning exercises. *14 hours.*
2. Athletics, including water polo, speedball, softball, swimming, touch football, and volleyball. *42 hours.*

b. Academic Year. Instructional classes for developing basic physical and recreational skills. Twenty-four lessons in each subject: boxing, gymnastics, swimming, and wrestling. *96 hours.*

In the spring, instruction is held out of doors. Eleven attendances each are required in golf and tennis.

Third Class

The development of advanced physical skills and the enlargement of the repertory of individual sports. Volleyball and basketball; swimming or squash and handball. *30 hours.*

Second Class

Instructor training in preparation for leading an army physical education program. The command voice, physiology of exercise, leadership of conditioning exercises; and coaching techniques in one of the following sports: basketball, boxing, water polo, cross country, golf, football, lacrosse, track, swimming, softball, soccer, and wrestling. The study of coaching techniques prepares the second classmen for their duties as intramural coaches and officials during their First Class year. *19 hours.*

First Class

Lectures on programs and schedules, tournaments and meets, physiology of exercise, procurement and care of athletic equipment, physical education testing administration, principles and methods of athletic leadership, and field problems. Designed to prepare for administration of army athletic programs. *9 hours.*

PROGRAM OF STUDIES IN NATIONAL SECURITY



This program was initiated at the Military Academy to keep pace with the problem of the national security of the United States in the post-World War II era. To understand that problem an officer of the armed forces must comprehend the political, economic, psychological, moral, and military components that go to make up the complex substance of our national security. He must likewise see clearly that the armed forces are a unified team operating under the Department of Defense, thoroughly co-ordinated with other government agencies, and deriving power from the economic, political, and moral strength of our country. Educating an officer to grasp completely these complexities of national security is a process beginning in his earliest undergraduate days and proceeding through all his schooling—undergraduate and post-graduate, military and civilian. The Military Academy, as an undergraduate school, gives him the foundation.

The program emphasizes that the military aspect of national security is the responsibility of a single federal department; it gives due attention to the roles of all arms and to the interdependence of the military agencies and all other elements of national life.

The departments directly charged with carrying out this program are Tactics, particularly through those of its courses that deal with the Department of Defense and with the navy, the air force, and the civilian component of the armed forces; Social Sciences, through all its courses; Military Art and Engineering, through its course in the History of Military Art; and Ordnance, through its coverage of the broad military technological aspects of national security. Wherever pertinent, other departments emphasize the unified armed forces point of view and the relation of national security to the material being taught.

The purpose of the program is to inculcate in the students the following:

- a. An awareness of the major problems, internal and international, affecting the security of the nation;
- b. An understanding of the relation between military preparedness and the other components that make up the problem of total national security, with particular recognition that "national defense is not the exclusive property and concern of men in uniform, but the responsibility as well of labor, management, agriculture, industry, and every group that goes to make up the national complex" (General Dwight D. Eisenhower, *Final Report of the Chief of Staff, 1948*);

- c. An appreciation both of the role of science in preparedness and of the technological aspects of modern warfare;
- d. A realization of responsibility toward the national economy on which the expense of modern defense measures has such a heavy impact; and of the crucial significance, in terms of security, of a healthy national economy;
- e. A firm grasp of the place of the military establishment in the framework of our government and of our democratic society;
- f. An understanding of the roles of the separate agencies of an integrated Department of Defense;
- g. An understanding of the concept of the Department of Defense as an integrated instrument of defense and a realization of the teamwork that must exist among services if they are to complement each other in carrying out their joint and separate missions;
- h. A motivation of lifetime service to the country as officers in its unified armed forces.

A committee of the heads of the departments of Social Sciences, Military Art and Engineering, Ordnance, and Tactics, and acting under the direction of the Academic Board, is charged with supervising and coordinating the program.

THE HONOR SYSTEM



The Honor System at West Point stems logically from the ideal of Colonel Sylvanus Thayer that the Military Academy must produce graduates possessing leadership integrated by excellence of character and excellence of knowledge.

Honor, as it is understood by the Corps of Cadets, is a fundamental attribute of character. Honor implies loyalty and courage, truthfulness and self-respect, justice and generosity. The Honor System is not a complicated system of ethics, but is merely straightforward honesty of thought and of action. A cadet who has trained himself to be involuntarily true in thought and act need have no worry about meeting the standards of the Corps. On the other hand, quibbling; evasive statements; or the use of technicalities to conceal guilt are not tolerated by the Corps.

For its success the Honor System depends more upon the Corps of Cadets than upon the supervision of the officers. Each year the cadets select from among themselves an Honor Committee that interprets the System to the Corps, explains the principles upon which it is based, and brings honor violations into the open. Its procedures are codified, and its members have responsible authority. Its tasks are numerous. They include indoctrinating new cadets in the principles of the System; guarding against the appearance of practices inconsistent with the System; and inquiring into definite irregularities of conduct, personal or official, which cadets may have committed. In this last respect, the Honor Committee acts as a grand jury by reporting possible violations to the Commandant of Cadets. The Committee has no punitive powers, its functions being entirely investigative and advisory. If a cadet is reported to the Commandant by the Committee as possibly guilty of an honor violation, the Commandant sets in motion all the official machinery to make a careful investigation of the facts. In the course of this investigation, the legal rights of the cadet are protected in accordance with the prescriptions of military law.

Although there are many cadet regulations that are related to the Honor System, the System has never outgrown its simple meaning—that a cadet will neither lie, cheat, nor steal. A cadet's written or spoken word is always regarded as truth. If he signs a statement that he has complied or will comply with a particular regulation, the statement is accepted without question. A cadet taking advantage of a dining privilege, for instance, is required to sign his departure and return in a book. His signature means that he has taken no undue

advantage of the privilege during his absence from barracks. Having once signed for the privilege, he is honor-bound to report himself for any violation of it.

In other cases a cadet's simple word is taken in lieu of a complicated official report. An example is a cadet's crossing a sentry post and telling the sentry "All Right." "All Right" means that he is authorized to cross the post and has legitimate reasons for doing so. The phrase is used elsewhere in a variety of circumstances as an official formula with a definite meaning. It may be the oral report of a cadet who has just performed a specific duty, or it may be the spoken guarantee that the authorized occupants of a room are present at a given inspection. The system of "All Right" is carefully explained to all new cadets so that there can be no mistake about its significance.

Cadets who are found guilty of violations of the Honor System may either resign or stand trial by court-martial. Records of alleged violations in which the evidence does not warrant trial are kept in a confidential file so long as the cadet remains at the Academy. When he leaves, this file is destroyed.

The Honor System is an essential element in the character molding which goes on at the Military Academy. It is a vital influence in the day-to-day life of every cadet. Instances are constantly occurring which show how much the System means to the Corps. Cadets frequently report themselves for unintentional violations. A cadet may be reported by one of his closest friends for a violation because the men of the Corps feel that the System is bigger than any one man or any personal friendship.

The devotion of the Corps of Cadets to the Honor System is very real and is very deeply rooted.

THE APTITUDE SYSTEM



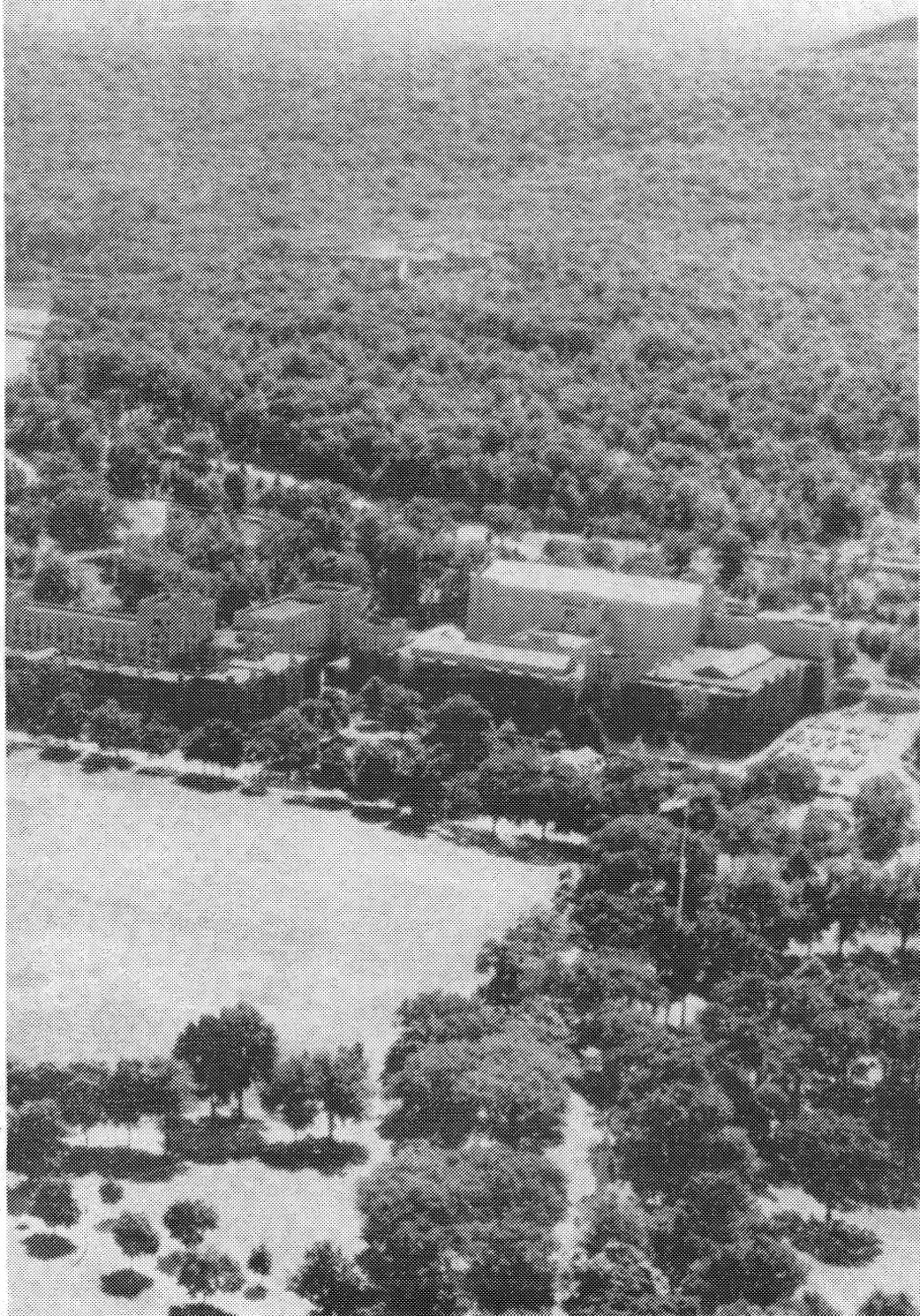
Since the over-all mission of the Military Academy is the development of officer-leaders for the armed forces, it is necessary to measure the leadership qualities of cadets and give them individual guidance. To effect these purposes the aptitude system was instituted with the specific objects of (1), determining those cadets who possess outstanding ability and who deserve positions of responsibility within the Corps; (2), identifying those cadets who are weak in qualities of leadership and determining their specific weaknesses in order to give them help in attaining the standards of the Corps; and (3), providing an impartial hearing for any cadet who, after receiving special assistance over a reasonable period of time, appears to be unable to meet the requirements of the Corps or who seems to be misplaced in the military profession and must therefore be considered for separation from the Academy. A subordinate purpose achieved in the gaining of the first and second objectives is that of giving the cadets experience in evaluating men on the basis of leadership qualities—something they will do throughout their professional careers.

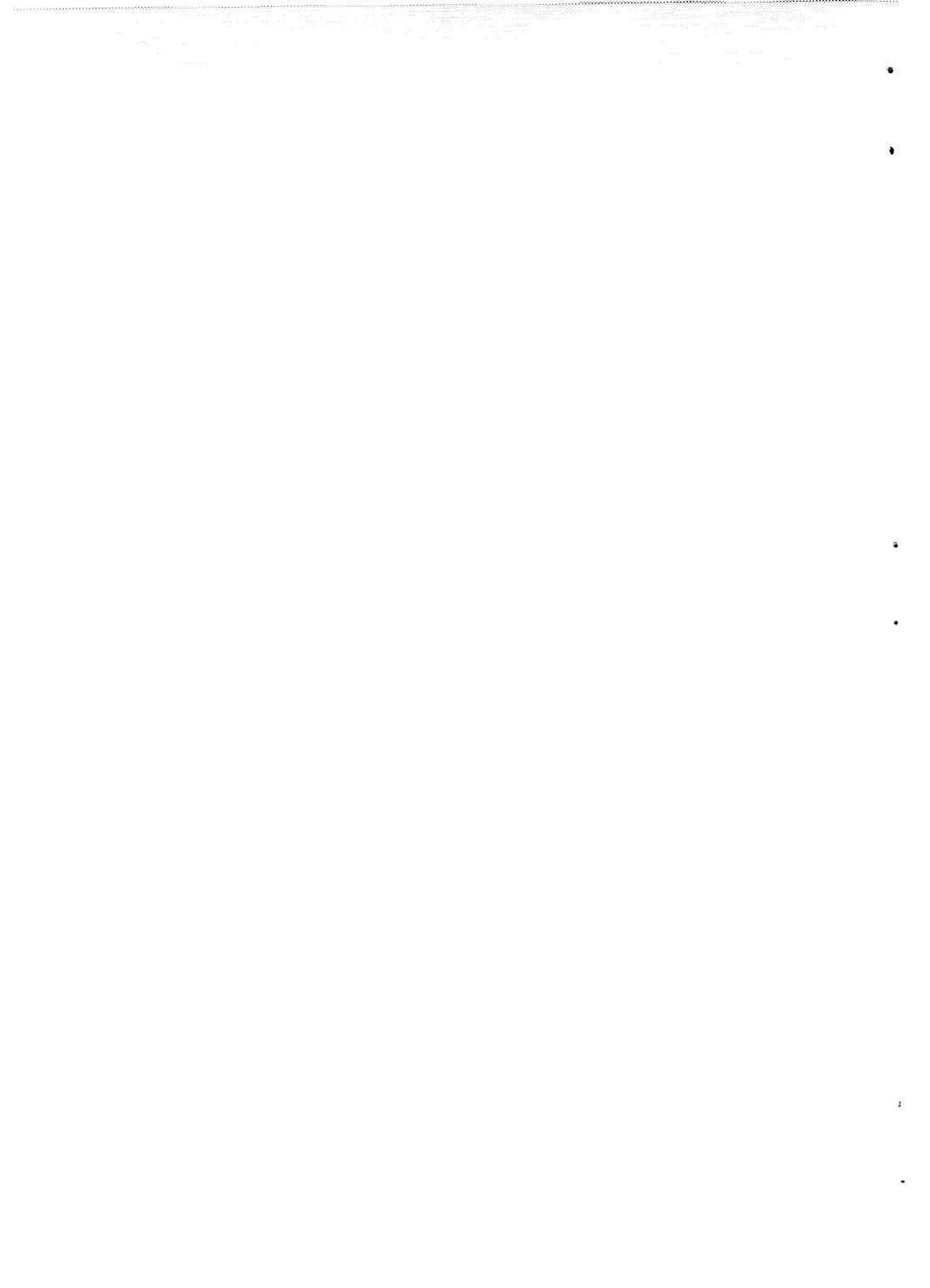
The accomplishment of the first of these objectives requires the following procedure. The initial step is to have a cadet rate his own classmates in his company (a cadet company consists of about 100 men drawn in equal number from the first, second, third, and fourth classes) in the order of what he thinks is their relative leadership ability within their own group. That is, a first classman rates the leadership ability of the other first classmen in his company in relation to the company group of first classmen, a second classman rates the other second classmen, etc. The next step is to have the cadet rate the members of the other classes in his company in the same way; if, for example, he is a second classman he rates each *first* classman in terms of his company's group of *first* classmen; each *third* classman in terms of his company's group of *third* classmen; and each *fourth* classman in terms of his company's group of *fourth* classmen.

The traits and characteristics which enter into the rating are varied. Such factors as intelligence, personality, temperament, physique, and any special abilities influence the impression which a cadet creates among his fellows. But evidence shows that within a cadet company there is consistent agreement as to who belongs in the top and bottom quarter of the company. And results have shown that the aptitude rating system is a highly reliable measure of relative merit among cadets with respect to leadership potential.









All ratings made by a cadet of his fellows, as well as the rankings and any comments he in turn receives from them, are held in strict confidence. The utmost care is taken to prevent disclosures which might prejudice future ratings. Neither a cadet nor his parents are ever informed of his numerical standing beyond the fact that he is satisfactory in aptitude for the service or that he is in "Class E" in aptitude—Class E comprising the bottom 7% of a class. Being ranked in Class E indicates marginal or doubtful leadership potential and is rightly a cause for some concern to cadets and parents alike. This group of cadets receives the most careful study. The Commandant of Cadets keeps the parents informed of all particulars in these cases.

Before going into detail about the second and third objectives of the system, a few words about two of the more important agents of the system. The first is the Company Tactical Officer. He is a carefully selected officer who has proved his leadership ability in the armed forces. One of his principal responsibilities is to know intimately all the cadets of his company, for whom he serves as advisor. He studies all members of his company closely in order to have an authoritative opinion of their worth as potential officers. He has frequent informal interviews with them in order to understand their problems, appraise their performance, and guide their progress. He rates each cadet in his company on aptitude for the service. Since his judgment is based not only on his understanding of cadets but also upon his experience with officers in the service, his ratings are given a weight of one-third in the final rating of the cadets in his company. (The cadet ratings make up the other two-thirds.) He is always willing to correspond with parents—or, preferably, to arrange personal interviews with them—to discuss the reasons for the ratings their sons have received.

A second important agent is the staff psychologist, who is available to the Tactical Officer for professional advice on guidance activities and who works closely with the Tactical Officers. The staff psychologist is likewise available to every cadet in the Corps for advice or help on any personal problem.

In achieving the second objective of the aptitude system—helping those cadets who have been found weak in leadership qualities—the Tactical Officer plays a vital part. He has available and draws on numerous sources of information in order to determine what guidance is indicated in the case of any particular cadet. Combining this information with his own observations the Tactical Officer can usually determine the reasons for a cadet's low standing in the ratings. Through interviews and coaching the Tactical Officer attempts to help a cadet improve himself as a leader and, at the same time, tries to help him develop insights concerning the causes for his rating. Here he has much help from the staff psychologist.

In meeting the third objective of the aptitude system—to provide an impartial hearing for a cadet deficient in aptitude to determine if he should be separated—a great deal of time and study is spent. The

official basis for recommendation of separation because of lack of aptitude is in par. 9.08, Regulations for the United States Military Academy:

9.08 DEFICIENCY IN APTITUDE FOR THE SERVICE.—If any cadet, as determined by periodic ratings, shall be found lacking in Aptitude for the Service, he shall be reported to the Academic Board by the Superintendent for such deficiency, and the Board shall act upon the deficiency as in a case of deficiency in studies.

If the Academic Board recommends separation from the Academy for such deficiency, a full report of the facts shall be made to the Department of the Army for final action.

Cadets recommended under this provision for discharge at any time during the six months period just prior to the date of graduation of their class shall normally be permitted to graduate, provided they are otherwise qualified, and shall then be honorably discharged without commission.

If a cadet is found to be recurrently low in the aptitude ratings and seems unable to profit from the counsel and guidance offered him, his records, along with a letter of evaluation and recommendation from his Tactical Officer, are carefully studied by a board of impartial officers. If the board finds that real doubt exists about the desirability of keeping the cadet in the service, the case is referred to a Regimental Aptitude Board consisting of senior officers who again study the case with great thoroughness. This board may then declare a cadet proficient or deficient in aptitude. If declared deficient a cadet will be placed in a "conditioned" or probationary status until the next rating six months later when he will meet the Brigade Aptitude Board. This board holds a thorough investigation and hearing on the case and may recommend that the cadet be considered proficient in aptitude for the service or it may find him deficient and recommend that he be separated. The Commandant of Cadets forwards the report on the case to the Superintendent for review by the Academic Board. The final approval of the Secretary of the Army is necessary in cases involving separation.

Normally a cadet will not come before an Aptitude Board before the first-term rating of his third class (sophomore) year and then can not be recommended for discharge prior to the next rating at the end of the third class year. In no case is any cadet recommended for separation for aptitude without first having had the full benefit of counsel and guidance and of having spent a period in a probationary status. Following the first-term rating of second class (junior) year, cadets are normally considered as being proficient in aptitude for the service.

It is the earnest desire of the Superintendent that cadets and their parents understand fully the aptitude system. It may be noted in passing that a cadet's aptitude for the service may not be directly related to his performance in other phases of cadet training. The number of

demerits he receives, for example, is not necessarily relevant to his aptitude standing, as a respect for regulations reflected in a low number of demerits may not counterbalance lack of such qualities as force and initiative. In every profession some combination of traits and characteristics is most favorable for success. The military profession is a highly specialized one, requiring attributes differing in quality and degree from the requirements of many civilian callings. A young man may be inapt for the military service and have great promise for a number of other professions.

In addition to its counsel and guidance functions, the aptitude system is necessary not only to protect the government from spending time and money on unsuitable officer material, but also to protect a cadet from entering on a career for which he is not qualified and from which he will probably receive little satisfaction. The problem of discovering this inaptitude in time is one which should be met through the co-operative efforts of the authorities of the Academy, the cadets themselves and their parents.

LECTURE PROGRAM, 1948-49



Lectures at the Academy fall into two general categories: those lectures given under the supervision of the General Lecture Committee; and those given under the direction of academic departments. The lectures given under the supervision of the General Lecture Committee come under three headings: the Superintendent's Series; the General Lecture Series; and Special Lectures. For the academic year 1948-49 fifty-three lectures, fifty-one of them by visiting lecturers, were given in these three categories. The academic work of the attending class or classes was in almost every case co-ordinated with the subject of the lecture. A list of these lectures follows:

SUPERINTENDENT'S SERIES

Lecturer and Subject	Class
MAJ. GEN. ALFRED M. GRUENTHER Director, the Joint Staff Subject: <i>The National Military Establishment</i>	First
LT. GEN. R. L. EICHELBERGER Subject: <i>Postwar Japan & Korea</i>	First
LT. GEN. WILLARD S. PAUL Director, Personnel & Administration Subject: <i>Personnel Problems</i>	First
GEN. J. LAWTON COLLINS Deputy Chief of Staff Subject: <i>A Concept of Future Warfare</i>	First Second
MAJ. GEN. MAXWELL D. TAYLOR Superintendent, USMA Subject: <i>The Army as a Career</i>	First
LT. GEN. IDWAL H. EDWARDS Deputy Chief of Staff, Personnel Dept. of the Air Force Subject: <i>The Air Force as a Career</i>	First
MAJ. GEN. MAXWELL D. TAYLOR Superintendent, USMA Subject: <i>Leading the American Soldier</i>	First
MAJ. GEN. A. C. MCAULIFFE Deputy Director of Research and Development Subject: <i>Army Research and Development</i>	First
MAJ. GEN. L. L. LEMNITZER Deputy Commandant, The National War College Subject: <i>Military Co-operation with Western Europe</i>	First
LT. GEN. RAYMOND S. MCLAIN Chief of Information Subject: <i>The Army and Public Information</i>	First

GENERAL LECTURE SERIES

Lecturer and Subject	Class
DR. E. L. WOODWARD Professor of International Relations, Oxford University Subject: <i>The Meaning of the Western Tradition</i>	First Second
DR. J. WALLACE STERLING President, Leland Stanford University Subject: <i>Canadian-U. S. Relations</i>	First
MR. DUDLEY CHAMBERS Director, Research Laboratory, General Electric Co. Subject: <i>The Role of Science in Industry and the Organization and Function of a Research Laboratory</i>	First

SPECIAL LECTURES

KERMIT ROOSEVELT MEMORIAL LECTURE

LT. GEN. SIR GERALD TEMPLAR Subject: <i>The Role of the British Armed Forces as an Instrument of British Foreign Policy</i>	First Second Third
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FRENCH CLUB

MLE. SUZANNE BERTILLON Professional Lecturer from Paris, France Subject: <i>La Resistance Francaise</i>	All
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RUSSIAN CLUB

MISS MARIE TOLSTOY Lecturer and Instructor in Russian, New York, N. Y. Subject: <i>Leo Tolstoy—Early Years</i>	All
PROFESSOR ELIAS TARTAK New School for Social Research, New York, N. Y. Subject: <i>Russian Military Thought in the 19th Century</i>	All

DEPARTMENT OF ELECTRICITY

COL. R. V. D. CORPUT Chief, Plans and Operations Division, Office of the Chief Signal Officer, U. S. Army Subject: <i>Systems of Military Communications</i>	Second
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DEPARTMENT OF ENGLISH

PROFESSOR STANLEY T. WILLIAMS Yale University Subject: <i>Literature of the Civil War</i>	Fourth
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DEPARTMENT OF MATHEMATICS

DR. IDA RHODES Subject: <i>Modern Computing Machines—Their Development and Use</i>	Third
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DEPARTMENT OF MILITARY HYGIENE

MAJOR C. F. VORDERBRUEGGE, MC Department of Pathology, Walter Reed General Hospital, Washington, D. C. Subject: <i>Anatomy and Physiology</i>	First
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Lecturer and Subject	Class
BRIG. GEN. J. MARTIN, MC Commandant, Medical Field Service School, Ft. Sam Houston, Texas Subject: <i>Introduction to Military Medicine, Including Medical Department Responsibilities</i>	First
DR. JOHN GORDON Department of Epidemiology, Harvard University School of Public Health Subject: <i>Strategic and Tactical Influence of Disease in Modern War</i>	First
COL. W. L. WILSON, MC Office of the Surgeon General, Washington, D. C. Subject: <i>Military Responsibility in Civil Public Health, Civil Defense and Occupation</i>	First
LT. COL. J. W. REGAN, MC Chief, Environmental Sanitation Branch, Office of the Surgeon General, Washington, D. C. Subject: <i>Malaria and Other Tropical Diseases of Military Importance</i>	First
DR. ALAN GREGG Director, The Rockefeller Foundation, New York, N. Y. Subject: <i>Psychiatry</i>	First
COL. J. M. CALDWELL, MC Chief, Neuropsychiatry Consultants Division, Office of the Surgeon General, Washington, D. C. Subject: <i>Neuropsychiatric Problems of Modern War</i>	First
DR. RALPH S. MUCKENFUSS Assistant Commissioner, Department of Health, New York, N. Y. Subject: <i>Immunization</i>	First
DR. H. W. HAGGARD Director, Laboratory of Applied Physiology, Yale University School of Medicine Subject: <i>Alcohol and Drugs</i>	First
CAPT. G. E. GUSTAFSON, MC Army Chemical Center, Chemical Corps School, Edgewood Arsenal, Maryland Subject: <i>Defense Against Chemical, Biological and Atomic Bomb Warfare</i>	First
DEPARTMENT OF MILITARY TOPOGRAPHY & GRAPHICS	
LT. COL. DESLOGE BROWN Executive Officer, Army Map Service, Washington, D. C. Subject: <i>Operation of the Army Map Service</i>	Third
DEPARTMENT OF ORDNANCE	
LT. GEN. JOHN E. HULL Subject: <i>Operations Research</i>	First

Lecturer and Subject	Class
COL. J. M. COLBY Detroit Arsenal Subject: <i>Research and Development in Combat Vehicles</i> ..	First
DEPARTMENT OF SOCIAL SCIENCES	
MR. JOHN F. SULLIVAN of Merrill Lynch, Pierce, Fenner & Beane Subject: <i>Investment Analysis</i> ..	First
MR. ROBERT ROSA Federal Reserve Bank of New York Subject: <i>Banking in the U. S.</i> ..	First
MAJ. GEN. EVEREST, USAF Deputy Chief of the Plans and Operation Division of the Air Staff Subject: <i>The Arctic as a Factor in U. S. Strategic Plans and Operations</i> ..	Second
DR. ERIK KJELLSTROM Associate Director, Research Department, National Association of Manufacturers Subject: <i>War Economy of the Soviet Union</i> ..	First
DR. GEORGE PETTEE Staff Member, House Committee on Foreign Affairs Subject: <i>German War Economy</i> ..	First
MR. GEORGE KENNAN Director, Policy Planning Staff, U. S. Department of State Subject: <i>Current Problems in International Relations</i> ..	First
MR. JAMES J. WADSWORTH Special Assistant to Mr. Paul Hoffman Subject: <i>European Co-operation Administration</i> ..	First
MR. JOHN J. MCCLOY Chairman, Board of Directors of the World Bank Subject: <i>The World Bank</i> ..	First
SENATOR ESTES KEFAUVER Tennessee Subject: <i>Organization of the House and Senate</i> ..	Second
MR. WILLIAM DRAPER Former Undersecretary of War Subject: <i>Problems of the Occupied Areas: Germany</i> ..	First
MR. DONALD PRICE Hoover Commission Subject: <i>Reorganization of the Executive Branch of the Government</i> ..	Second
DR. JOSEPH E. JOHNSON Professor of History, Williams College Subject: <i>Evolution of U. S. Foreign Policy</i> ..	First

Lecturer and Subject	Class
DR. POLLOCK Chairman of the Department of Political Science, University of Michigan Subject: <i>Occupation Problems in Germany</i>	Second
DEPARTMENT OF TACTICS	
COL. L. I. DAVIS Research Division, AMC Subject: <i>AF Research and Development</i>	First
MAJ. GEN. KENNETH F. CRAMER Chief, National Guard Bureau Subject: <i>The National Guard</i>	First
MAJ. GEN. WENDELL WESTOVER Executive for Reserve and ROTC Affairs Subject: <i>The Organized Reserves</i>	First
MAJ. GEN. LEWIS B. HERSHEY Director, Selective Service Subject: <i>Selective Service</i>	First
MR. LOWELL LIMPUS Chief, <i>United Nations Bureau, N. Y. Daily News</i> Subject: <i>Officer Relationship with Members of the Press</i>	First
COL. L. K. WHITE Central Intelligence Agency Subject: <i>Central Intelligence Agency</i>	First
DR. DOUGLAS S. FREEMAN Editor, <i>Richmond News Leader</i> , Richmond, Va. Subject: <i>Leadership</i>	First Second

In addition to the lectures listed above, one hundred forty-nine lectures were given in the academic year 1948-49 by members of the staffs of the different departments on their subjects of instruction. A breakdown of these lectures follows:

Department	Number	Class
Electricity	19	Second
English	4	Third
	4	Fourth
*Foreign Languages	28	Third
Law	4	First
Mathematics	3	Third
	4	Fourth
Mechanics	5	Second
Military Art & Engineering	20	First
Military Topography & Graphics	11	Third
	18	Fourth
Ordnance	3	First
Physics & Chemistry	10	Third
Social Sciences	7	First
	9	Second

* Cadets attended only those lectures pertaining to their particular language course.

THE LIBRARY



Librarian: LT. COL. WILLIAM J. MORTON, JR., B.S., Certificat d'Etudes Françaises, University of Geneva, Switzerland.

Associate Librarian: MARY L. SAMSON, B.A., B.L.S.

Archivist: SIDNEY FORMAN, B.S., PH.D.

Cataloguer: LOUISE V. HOROBIN, Special Library Course, New York Public Library.

Reference Librarian: THELMA E. BEDELL, B.A.

Assistant Librarians: ANNA E. PIERCE, B.S., New York State School Librarian's Certificate; IRENE FEITH, B.A.

Library Assistants: HANNA SIBUSHNICK, LL.B., FRANCES W. LEWIS.

The library contains about 135,000 accessioned books, exclusive of those in the thirteen departmental libraries. The main library collection is housed in a gray stone Tudor building designed by Major Richard Delafield in 1841, and in a large first-floor room of the adjacent East Academic Building.

The first library at the Military Academy was the library of the *Corps of Invalids*. This *Corps*, made up of wounded officers and men of the Revolutionary War, was so-named and sent by Washington to Philadelphia in 1778. Two years later some of its members were ordered to West Point where they taught and trained recruits. The Continental Congress decreed that each of these officers contribute one day's pay a month for the purchase of books; apparently a sizeable collection was the result for on a map of West Point dated 1780, drawn by a French officer and reproduced by Barbé-Marbois in his *Complot d'Arnold*, a building marked "Library" is shown. No record exists of what happened to this first Library, but it is probable that a few of the volumes from it are in the present collection.

We do know that the teachers from the *Corps of Invalids* were released and their classes discontinued about 1784 and that from then to 1794 West Point was only a garrison site. In the latter year a school of military instruction was established; in 1802 the Military Academy was founded. And it is likely that the books remaining from the earlier schools became the nucleus of the library of the new Military Academy.

Evidently these books were few. Colonel Jonathan Williams, the first Superintendent, found it necessary to make his personal library available to officers and cadets; and since Colonel Williams, a grand-nephew of Benjamin Franklin, had inherited Franklin's library we know that instruction at the Military Academy in its earliest years was based in part on Franklin's books.

The first important additions to the library were in 1815 when Major Sylvanus Thayer, Superintendent, 1817-1833, on an official trip to Europe was authorized by Secretary of War James Monroe to use this opportunity to buy military, scientific, and engineering works for the Military Academy. Major Thayer bought about 1,000 volumes. Room for these was provided in the Academy building, opened that same year. Further purchases from Europe, principally France and England, were made regularly until after the middle of the century.

The Academy building burned in 1838; in 1841 the library was given space in a new building designed to house the Astronomical Observatory, Post Headquarters, and the Department of Natural and Experimental Philosophy. About 1900 the interior of this building was extensively remodeled to adapt it to library purposes alone.

The library is similar to that of a liberal arts college, save that it contains a large proportion of mathematical, scientific, and technical works, and has a very complete military section. The collection of standard literary works is good; and that of eighteenth and nineteenth-century periodicals is unusually representative.

The manuscript and archival collection is extensive, and deals principally, though by no means exclusively, with the United States Army, the Military Academy, and persons of the military profession. Typical examples are the Sylvanus Thayer papers; the Joseph G. Swift papers; the Journal and Notes of Captain John G. Bourke; and the twenty-eight bound volumes of Colonel Wirt Robinson's manuscript journals that contain much original observation of the flora and fauna of the United States, Central America, and the West Indies. The collection of early American military art imprints is unique.

The library is rich in both original and secondary sources dealing with the history of the Hudson Highlands. In particular, there is a large collection of early nineteenth-century prints, drawings, and water-colors picturing West Point and the immediate vicinity.

A celebrated collection of ten portraits by Thomas Sully is housed in the library. The best known are those of Thomas Jefferson, James Monroe, and Jonathan Williams, all painted from life expressly for the Military Academy. An original portrait of George Washington by Gilbert Stuart, and one of General Winfield Scott by Robert W. Weir are worthy of note. Mention should be made likewise of the Edgar Allan Poe Memorial Doorway and of the James McNeill Whistler Memorial Plaque, both of white marble. Near the Plaque are hung a number of sketches done by Whistler in his cadet days.

The facilities of the library are available to research scholars and writers. It is open from 8:30 a.m. to 6:00 p.m., and from 7:15 p.m. to 9:15 p.m. daily; and from 2:00 p.m. to 6:00 p.m., and from 7:15 p.m. to 9:15 p.m. on Sundays and holidays. Visitors are always welcome.

THE MUSEUM



Director of the Museum: COL. ALLEN L. KEYES, B.S., M.A.

Curator: GERALD C. STOWE, B.S.

The large and valuable collections of the West Point Museum are displayed in several halls on the second and third floors of the north-west corner of the Administration Building. The story of the beginning and growth of these collections is almost a brief history of the United States from the Revolution to the present.

The beginning was in 1777. After the battle of Saratoga in October of that year, much of the ordnance captured from Burgoyne was sent to West Point to be held there as a war reserve. A little later part of the famous Great Chain that had been stretched across the Hudson at West Point to bar navigation of the river to British men-of-war was stored at the Point. In the course of the next few years two-six pounder brass guns, or "grasshoppers," captured by Major General Nathanael Greene in his campaign against the British in the Carolinas, and several guns taken by "Mad Anthony" Wayne at Stony Point on 15 July 1779 were added. At the close of the Revolution Major George Fleming, with the designation of Ordnance and Military Storekeeper, was placed in charge of this small arsenal. He held his post until several years after the founding of the Military Academy in 1802.

During the first half of the nineteenth century the custom of sending trophies of war and objects of historic interest to the Military Academy grew slowly. In 1843, for example, John C. Spencer, Secretary of the Treasury, presented West Point with a brass culverin six-pounder that had been given to the Continental Congress many years before by General Lafayette. And after the close of the Mexican War in 1847 General Winfield Scott sent numbers of captured flags, cannon, and other war trophies to the Military Academy. For lack of adequate housing some of these were displayed by various departments and the library; others were stored.

In 1848 when Secretary of War Marcy directed in the President's name that West Point be the "depository of the trophies of the successful victories of our arms in Mexico," a great number of items were sent to the Academy for safekeeping and display. The authorities saw that permanent provision had to be made for the ever-growing collections, and in 1854 they officially created the *Ordnance and Artillery Museum*, established it on the third floor of the Academy—a building erected in 1838 on the ground of the present West Academic Building—

and placed it in charge of the Instructor of Artillery. Here were displayed most of the collections; the Great Chain and cannon, however, were grouped around the flagpole at Trophy Point, and the captured flags of the Revolution and the Mexican War were placed in what is now called the Old Chapel.

From then on the Museum grew rapidly. The Civil War, the Indian Wars, the Spanish-American War, and World Wars I and II contributed much: ordnance from the Civil War, relics of all kinds from the Indian Wars, and native relics from the Philippine Islands as a result of the Spanish-American War. The richness of the collections can only be indicated. Of especial note from World War I are the French 75 millimeter cannon used in the first round fired against the Germans by American artillery, and the German Crown Prince's periscopic telescope mounted on a horse-drawn artillery carriage. From World War II are Yamashita's saber, Mussolini's fascist hat and his decorations, and G6ring's silver-framed guest book and his diamond-studded marshal's baton. Displayed in prominence and honor are the flag of General Eisenhower's Supreme Headquarters, and the Legion of Honor and Croix de Guerre awarded by the Republic of France to the United States Military Academy in 1949. When the new Administration Building was erected in 1909, the Museum was moved to its present and larger quarters. But so much new material is constantly being acquired that a growing number of items must be stored.

Because the Museum had long ceased to have any particular relation to the Department of Ordnance, and had in fact become an historical Museum, it was given independent status in 1942. Closed during the war it was reopened in 1946 with an officer detailed as Director.

The Museum serves a vital need in the life of the Military Academy. It is an invaluable supplement to the cadet's education; it serves as a national depository for objects of historic interest and veneration; and it stimulates general interest in the long and honorable history of the Armed Forces of our country.

ORGANIZATIONS AND ACTIVITIES



The cadets participate in a wide variety of extra-curricular activities. Voluntarily, they have established over forty clubs, societies, and committees that entertain and instruct both their own members and the remainder of the Corps.

Perhaps the most important of these are the Honor Committee, the Duty Committee, and the General Committee, whose purposes are to formulate and apply the honor system and the policies of the Corps. Ranking next is the Hop Committee, responsible for planning and scheduling social functions.

Cadets interested in singing usually join one of the three religious choirs, Protestant, Catholic, or Jewish, and thus take part in the weekly religious services on the Post. The choirs make, as a rule, several trips each year to sing in New York and Washington. As a rule, the members of the choirs are also members of the Cadet Glee Club. For those who prefer instrumental music, there are the Cadet Dance Band and the Cadet Concert Orchestra.

There are numerous opportunities for those interested in writing to exercise their talents: they can try out for the staff of *The Howitzer*, yearbook of the Corps; or for that of *The Pointer*, the bimonthly official publication of the Corps; or for that of *Bugle Notes*, the cadet handbook more commonly known as the *Plebe Bible*. A few become the cadet press representatives of the Public Information Detail, in which position they conduct interviews and prepare releases for the newspapers.

One of the most active organizations at the Academy, and one that attracts many cadets, is the Debate Council. In the course of an academic year its members engage in some eighty intercollegiate debates; in so doing they travel to all parts of the United States. The Council also conducts a Corps-wide intramural debate tournament, offers and teaches a voluntary course in debating and speaking, organizes panel discussions, and stages a national intercollegiate debate tournament. The first such tournament was held in 1947 and was widely acclaimed; as a result, thirty-four colleges and universities from all sections of the country took part in both the 1948 and 1949 tournaments.

Another active and popular cadet organization is the Dialectic Society, West Point's theatrical group. The Society annually writes, produces, and enacts the Academy's time-honored dramatic highlight, *The One Hundredth Night Show*, celebrating the one hundredth night before graduation.

Many cadets join one of the active religious groups: the Sunday School Teachers group, that instructs at the Post Sunday School; the morning worship group; or the Cadet Acolytes.

Recently organized are the Russian, German, French, Spanish, and Portuguese Language Clubs. These languages are those taught in the regular curriculum. The members of the clubs devote further study to the language of their choice and try to broaden their knowledge of the history, customs, and politics of the land where that language is the native tongue.

The Radio Club, Camera Club, Model Railroad Club, and Model Airplane Club provide technically-minded cadets with opportunities to pursue their hobbies. The Art Club, Chess Club, and the Mathematics Discussion Group have large memberships.

There is much opportunity for social life. Most of the details are under the direction of the Cadet Hostess, who assists in the organization and scheduling of social functions. Two hops are held every Saturday night during the academic year, one in Cullum Hall and the other in the Gymnasium.

Cadets of the upper two classes may leave the Post to visit nearby cities on a number of weekends during the year. In the fall, the entire Corps makes several football-game trips, and on the intervening weekends cadets may escort to the home games in Michie Stadium and to the soccer games on Clinton Field.

The year's social activities culminate during June Week, the seven-day period just preceding Graduation. Parents, fiancées, and guests of the cadets throng the grounds, picnic and swim at Delafield Pond, watch the parades and ceremonies, and enjoy the evening hops. On the last night of June Week the end of the first classman's social life is signified by the most important hop of his entire four-year career—the Graduation Hop.

Athletics is a prime concern of the Academy, for an officer of the Armed Forces must be physically capable and trained to organize, lead, and participate in a wide variety of sports. To attain this end, the athletic program has been expanded until at present it encompasses eighteen intercollegiate sports and nineteen intramural sports. With one exception, crew, every major athletic contest known to the American college has a place on West Point's intercollegiate program. More than a thousand cadets participate in this program that begins early in September and continues until June.

A program of this scope requires extensive facilities. The Academy gymnasiums provide five gym floors, three large pools, five spacious instruction rooms, ten handball courts, and twenty-one squash courts. The huge Field House provides space for indoor track meets, basketball games, boxing and wrestling matches, and an additional field for indoor lacrosse practice. Outdoors there are twelve tennis courts, a track field, the Doubleday baseball diamond, Michie football stadium, the

Clinton and Howze practice fields, lacrosse and soccer fields, twelve intramural fields, the Victor Constant ski slope, Smith ice-skating rink, and a nine hole golf course.

Intercollegiate athletics are supplemented by an extensive intramural sports program, founded after World War I by General Douglas MacArthur, the Superintendent. The purpose of the intramural program is to provide conditioning with recreation; and to give every cadet broad sports participation as well as experience in coaching, officiating, and administering sports activities.

Unless on an intercollegiate squad, every cadet plays as a member of his company team in some intramural sport. Furthermore, each cadet is eligible for a particular intramural sport only one season. During his Academy career, therefore, a cadet has a season's experience in approximately ten different sports, unless he spends part of his time on intercollegiate squads.

The intramural teams are broken down into seasonal groups. Football, track, volleyball, and lacrosse are played during the fall; boxing, handball, basketball, wrestling, swimming, and squash during the winter; softball, soccer, tennis, cross country, water polo, and golf in the spring; and canoe racing, skeet, and touch football in the summer.

PRIZES AND DISTINCTIONS



Distinguished Cadets

In June of every year those cadets on the general merit roll of each class and on the graduating merit roll whose records show they have met the requirements set by the Academic Board are classed as "Distinguished." When the list has been determined, the Superintendent sends it to the Department of the Army for publication in the Army Register.

Distinguished cadets wear a five-pointed star, three quarters of an inch in diameter, on each side of the collar of the dress coat and the full dress coat. The star is worn for one year by cadets who were distinguished in the work of the Second, Third, or Fourth Class year.

GENERAL

The Francis Vinton Greene Memorial Prize

A saber, given annually by Mrs. Francis Vinton Greene in memory of the late Major General Francis Vinton Greene, USMA 1870, to the cadet standing number one in the general order of merit at graduation. First presented in 1929.

The Military Order of the World War Prize

An annual prize of the value of fifty dollars presented to the graduating cadet who has made the greatest improvement during his course. First presented in 1946.

MILITARY

The Charles G. Dawes Prize

A sword, called the Pershing Sword, given by Brigadier General Charles G. Dawes and awarded annually to the First Captain, to commemorate General Pershing's being First Captain of the Corps of Cadets in 1886. First presented in 1929.

The Army and Navy Union Prize in Tactics

An annual prize of the value of one hundred dollars given by the Army and Navy Union to the cadet with the highest rating in tactics. First presented in 1947.

Military Efficiency Prize

Each year the name of the cadet who has the highest rating in military efficiency is inscribed on a cup presented to the Academy in 1910 by the Sons of the Revolution in the State of New York.

ACADEMIC

The American Legion Prize in Chemistry

A life membership in the National Geographic Society, given annually by the National Organization of the American Legion to the graduating cadet who has the highest standing in Chemistry. First presented in 1935.

Intercollegiate Debating Prizes

Two wrist watches, given annually by the Consul General of Switzerland in the United States, for excellence in intercollegiate debating. First presented in 1947.

Economics and International Relations Prize, established by the National Commandry, Military Order of Foreign Wars

A prize of the value of fifty dollars given annually by the National Commandry, Military Order of Foreign Wars, to the cadet standing highest in Economics and International Relations. First presented in 1929.

The Armed Forces Communications Association Prize in Electricity

A prize of the value of one hundred dollars given annually to the graduating cadet who has achieved the highest standing in Electricity. First presented in 1947.

Prize in English, established by the National Society, Colonial Daughters of the Seventeenth Century

A set of books of the value of fifty dollars given annually to the graduating cadet who has the highest standing in English for the entire course. First presented in 1934.

The Steuben Society of America Prize in Foreign Languages

A prize presented annually of the value of one hundred dollars to the graduating cadet who has stood highest in the work in foreign languages. First presented in 1936.

American Bar Association Prize in Law

A set of books of the value of twenty-five dollars given annually to the cadet with the highest standing in law. First presented in 1941.

Prize in Mathematics, established by the United Daughters of the Confederacy

A prize of the value of one hundred dollars given annually to the graduating cadet with the highest standing in mathematics for the entire course. First presented in 1931.

Prize in Mechanics, established by the National Society, Daughters of the American Revolution

A prize of the value of one hundred dollars awarded annually to the graduating cadet with the highest standing in mechanics. First presented in 1930.

The William M. Mitchell Prize in Military Art and Engineering

A set of books of the value of one hundred dollars awarded annually by Mrs. William M. Mitchell in memory of her husband, Brigadier General William M. Mitchell, USMA 1902, to the cadet standing highest in military engineering and the history of military art. First presented in 1942.

*Prize in Military Hygiene, established by the National Society,
Daughters of Founders and Patriots of America*

A prize of the value of fifty dollars awarded to the graduating cadet with the highest standing in military hygiene. First presented in 1942.

*Prize in Military Topography and Graphics, established by the Womans
Relief Corps, Auxiliary to the Grand Army of the Republic*

A prize of the value of one hundred dollars awarded annually to the graduating cadet with the highest standing in Military Topography and Graphics. First presented in 1932.

*Prize in Ordnance, established by the Ladies Auxiliary to the
Veterans of Foreign Wars of the United States*

A prize of the value of one hundred dollars awarded annually to the cadet with the highest standing in Ordnance. First presented in 1939.

*Prize in Physics, established by the Veterans of Foreign Wars
of the United States*

A prize of the value of one hundred dollars awarded annually to the graduating cadet with the highest standing in physics. First presented in 1937.

ATHLETIC

The Army Athletic Association Trophy

A silver service plate bearing the Academy seal embossed at four places on the border. Awarded annually to the cadet of the first class who has rendered the most valuable service to athletics during his career as a cadet. First presented in 1904.

The Bankers Association of New York Trophy

A silver cup awarded annually to the cadet company ranking first in intramural athletics during the year. It is kept by the winning company for one year. First presented in 1924.

The Frances Dorothy Beebe Trophy in Foils

A silver plate bearing the Academy seal embossed at four places on the border. Purchased with the interest from a bequest of two thousand dollars under the will of Frances Dorothy Beebe and awarded to the cadet showing the highest excellence in foils. First awarded in 1944.

The Edgerton Football Trophy

This trophy, a silver plate bearing the Academy seal embossed at four places on the border, is awarded annually to the outgoing football captain. It is purchased under the terms of a legacy presented by Mrs. Wright Prescott Edgerton in memory of her husband, Colonel Wright Prescott Edgerton, USMA 1874. First awarded in 1909.

The William P. Fickes Memorial Lacrosse Trophy

This trophy, purchased with the interest from a fund of one thousand dollars given by Mr. and Mrs. Walter M. Fickes in memory of their son, William P. Fickes, USMA 1936, is awarded annually to the outgoing lacrosse captain. The trophy is a silver plate bearing the Academy seal embossed at four places on the border. First presented in 1938.

The Pierce Currier Foster Memorials

These memorials, established in 1902 under the terms of the will of Mrs. Anna A. Foster, are in memory of her son, Pierce Currier Foster, USMA 1899. They consist of two silver plates each bearing the Academy seal embossed at four places on the border, and are awarded annually to the cadets standing first and second in gymnastics.

The Hughes Football Award

Established in 1939 by Colonel Thruston Hughes, USMA 1909. It is a silver plate with the Academy seal embossed at four places on the border and is purchased with the interest from a fund of two thousand dollars. Awarded annually to the most valuable player on the Army football team.

The General Palmer E. Pierce Football Trophy

This trophy, a silver cup originally awarded to General Palmer E. Pierce, USMA 1891, by the National Collegiate Athletic Association in recognition of his services to the Association, was bequeathed by him to the Army Athletic Association to be awarded annually to the Intramural Champion Football Team. First presented in 1943.

The Sands Fencing Trophy

Established in 1937 by Lieutenant Thomas J. Sands, USMA 1929, and awarded annually to the outstanding cadet fencer. It consists of a silver cup, kept at the Academy, on which the cadet's name is inscribed; and of an engraved foil, duelling sword, or saber, presented to the cadet.

The Eber Simpson Memorial Trophy

This trophy is a silver plate with the Academy seal embossed at four places on the border, purchased with the interest from a fund of two thousand dollars presented by Mr. George Simpson in memory of his son, Captain Eber Simpson, USMA 1934. It is awarded annually to the outgoing basketball captain and was first presented in 1949.

The Class of 1923 Memorial Trophy

Established in 1949, this trophy is purchased with the interest from a fund of two thousand dollars contributed by the class of 1923. It is a silver plate with the Academy seal embossed at four places on the border and is awarded annually for excellence in swimming.

THE RHODES SCHOLARSHIPS

Cadets of the Military Academy first entered the Rhodes Scholarships competition in 1923, and with the exception of the war years they have since competed annually. From 1923 to 1948 twenty-one Scholarships were awarded to Academy men. Eight former cadets are now at Oxford.

Elections for Rhodes Scholarships are held every year. Scholars-elect enter the University of Oxford in October of the year following their election. The Scholarships are for a minimum period of two years study; a third year may be awarded if the Rhodes Scholar presents a plan of study acceptable to the Academy and to the Rhodes trustees.

Appointments are made by the District Committees, subject to the final approval of the Rhodes Trustees. A Committee of Selection in each State recommends two candidates every year to the District Committee. Candidates may apply either in the State in which they live or in the State in which they have received at least two years of their college education.

Cadets must make a written request of the Academic Board at the end of the Second Class year for permission to compete. If permission is granted, their completed applications must be in the hands of the Committee of Selection for the State in which they are applying by 1 November. For further information consult the Department of Social Sciences.

Basis of Selection

The Rhodes Scholarships Application blank says in part:

The basis of selection by the Committee is that section of the Will of Mr. Rhodes in which he mentioned the four groups of qualities which he desired in his scholars, the first two of which he considered the most important: (1) Literary and scholastic ability and attainments; (2) Qualities of manhood, truth, courage, devotion to duty, sympathy for and protection of the weak, kindness, unselfishness, and fellowship; (3) Exhibition during school days of moral force of character and of instincts to lead and to take an interest in his schoolmates; (4) Fondness for and success in manly outdoor sports such as cricket, football and the like.

The selection is not made, however, on any system of averaging up a man's qualifications under all these heads. Committees are interested instead in men who show promise of outstanding achievement in later life in their particular callings. For this, distinction of intellect and character are the most important requirements.



**ASSOCIATION OF GRADUATES
UNITED STATES MILITARY ACADEMY
WEST POINT, NEW YORK**



The Association of Graduates of the United States Military Academy was established in 1869, and the first meeting was held on 17 June 1870. Annual meetings have been held since at West Point during Graduation Week. The association was incorporated under the laws of the State of New York on 13 November 1891.

The purposes of the Association are "To acquire and disseminate information on the history, activities, objectives, and methods of the United States Military Academy; to acquire and preserve historical materials relating to that institution; and to encourage and foster the study of Military Science there by young men."

Graduates, and former cadets who attended at least one academic term at the Academy, are eligible for membership. Approximately 95 percent of the more than 11,000 living graduates, and many former cadets who are not graduates, are members.

The Association regularly disseminates information about West Point and the activities of its graduates principally by the two publications which it sponsors: the annual *Register of Graduates and Former Cadets, USMA*, which includes a summary of the record of each entry and that tells, whenever possible, where he is and what he is doing; and the quarterly magazine, *Assembly*, which gives current information about the Military Academy and its alumni.

The administrative organization consists of a President; five Vice-Presidents, elected annually; a Secretary-Treasurer; an Assistant Secretary-Treasurer; and thirty Trustees, ten of whom are elected annually for terms of three years. At the present time the officers and trustees of the Association are as follows:

PRESIDENT

BRIGADIER GENERAL CHAUNCEY L. FENTON, '04

VICE-PRESIDENTS

COLONEL CHARLES F. CRAIN, '94
MAJOR GENERAL LEON B. KROMER, '99
MAJOR GENERAL CLEMENT A. TROTT, '99
MAJOR GENERAL JAY L. BENEDICT, '04
MAJOR GENERAL WILLIAM BRYDEN, '04

SECRETARY-TREASURER

COLONEL CHARLES N. BRANHAM, '22

ASSISTANT SECRETARY-TREASURER

COLONEL JOHN A. MCCOMSEY, '24

BOARD OF TRUSTEES

(To serve until 1 July 1950)

MAJOR GENERAL DENNIS E. NOLAN, '96
MAJOR GENERAL ROBERT M. DANFORD, '04
BRIGADIER GENERAL ROGER G. ALEXANDER, '07
COLONEL HAYDEN W. WAGNER, '07
COLONEL HERMAN BEUKEMA, '15
BRIGADIER GENERAL HARRIS JONES, April, '17
COLONEL EARL H. BLAIK, '20
COLONEL JOHN A. McNULTY, '20
MR. R. DECK REYNOLDS, '24
COLONEL EDGAR W. GARBISCH, '25

(To Serve until 1 July 1951)

COLONEL ALEXANDER R. PIPER, '89
CAPTAIN THOMAS B. DOE, '05
MAJOR GENERAL FRANCIS B. WILBY, '05
COLONEL JAMES L. WALSH, '09
COLONEL HUBERT G. STANTON, '11
COLONEL OSCAR J. GATCHELL, '12
COLONEL R. PARKER KUHN, '16
MR. JOHN L. GRANT, June, '18
COLONEL BOYD W. BARTLETT, '19
COLONEL GEORGE B. FINNEGAN, '24

(To Serve until 1 July 1952)

COLONEL ALLAN M. POPE, '03
COLONEL JAMES W. RILEY, '06
COLONEL MEADE WILDRICK, '10
MAJOR GENERAL RUSSELL L. MAXWELL, '12
GENERAL OF THE ARMY DWIGHT D. EISENHOWER, '15
MAJOR GENERAL BRYANT E. MOORE, August, '17
COLONEL THOMAS D. STAMPS, August, '17
MR. EDMUND B. BELLINGER, June, '18
COLONEL FRANCIS M. GREENE, '22
COLONEL WILLIAM H. KYLE, '22

Co-operating with the Association are the following autonomous West Point Societies:

NEW YORK

President: Russell L. Maxwell, '12, American Machine & Foundry Company, 511 Fifth Avenue, New York, N. Y.

1st Vice-President: Robert C. Richardson, Jr., '04, The Pacific War Memorial, 44 W. 55th Street, New York 19, N. Y.

2nd Vice-President: William H. Kyle, '22, Bankers Trust Company, 529 Fifth Avenue, New York, N. Y.

Secretary: George DeGraaf, '20, The Sperry Corporation, 30 Rockefeller Plaza, New York, N. Y.

Treasurer: Ivan Sattem, '40, 96 Foster Avenue, Malverne, N. Y.

PHILADELPHIA

President: Douglass T. Greene, '13, 835 Morgan Ave., Drexel Hill, Pa.

Secretary: Samuel Edelman, Ex-'10, 1524 Chestnut Street, Philadelphia, Pa.

Treasurer: Herbert M. Cady, '36, 1000 Lincoln Liberty Building, Philadelphia, Pa.

CHICAGO

President: George T. Langhorne, '89, 1120 Lake Shore Drive, Chicago, Illinois.

Vice-President: James C. Short, '23, 166 W. Jackson Blvd., Chicago, Illinois.

Secretary-Treasurer: William H. Barlow, Nov. '18, Albert Pick Company, Inc., 2159 Pershing Road, Chicago, Illinois.

LOS ANGELES

President: John K. Brown, '08, 3835 West 8th Street, Los Angeles, California.

Vice-President: Briant H. Wells, Jr., '24, 1134 Oxford Road, San Marino 9, California.

Secretary-Treasurer: E. Avery Crary, Jr., Ex-'26, 555 So. Flower Street, Los Angeles 13, California.

ST. LOUIS

President: Spencer A. Merrell, '16, D-16 Railway Exchange Bldg., St. Louis, Missouri.

Vice-President: Lewis T. Ross, June, '18, Sverdrup & Parcel, 1118 Syndicate Trust Bldg., St. Louis, Missouri.

Secretary: Harry C. Barnes, Jr., Aug., '17, Army Emergency Relief Liaison Officer, 1709 Washington Avenue, St. Louis 3, Missouri.

MIAMI

President: Ernest D. Scott, '98, Melaluca Lane, Bay Point, Miami Beach, Florida.

Secretary: Lloyd P. Horsfall, '06, 1226 Alberca Street, Coral Gables, Florida.

BIRMINGHAM

Secretary: William Logan Martin, '07, 600 North 18th Street, Birmingham, Alabama.

SEATTLE

President: Eley P. Denson, '09, 1609 22nd Street, No. 816 Joshua Green Bldg., Seattle 1, Washington.

Secretary-Treasurer: Lee E. Gray, Nov., '18, 427 Skinner Bldg., Seattle 1, Washington.

DENVER

President: William J. Holzapfel, Jr., '34, OMS, Box 303, Lowry Air Force Base, Denver, Colorado.

Secretary: Roy F. Vincent, '29, 2054 Hudson St., Denver, Colorado.

MONTEREY PENINSULA

President: Raymond S. Pratt, '01, Box 353, Carmel-by-the-Sea, Calif.

Vice-President: William H. Hobson, '12, M. P. C. C., Del Monte, Calif.

Secretary-Treasurer: W. McC. Chapman, August, '17, P. O. Box 74, Pacific Grove, Calif.

DETROIT

President: Stanley E. Reinhart, '16, 879 Randall Court, Birmingham, Michigan.

Vice-President: Frederick C. Pyne, '24, P. O. Box No. 72, Orchard Lake, Michigan.

Secretary: Carroll F. Sullivan, '21, 2751 E. Jefferson Ave., Detroit 7, Michigan.

Treasurer: Edmond H. Curcuru, June, '43, 23235 Sherman Avenue, Ferndale 20, Michigan.

BAKERSFIELD

President: John E. Ardrey, '13, 2620 San Emidio Street, Bakersfield, California.

Vice-President: Eustis L. Hubbard, '15, 2408 Terrace Way, Bakersfield, California.

Secretary: Earl M. Price, '15, 1620 G Street, Bakersfield, California.

Treasurer: Drexler Dana, November, '18, Fairway Drive, Stockdale, Bakersfield, California.

COLUMBUS

President: Otto L. Brunzell, '04, 1810 Coventry Road, Columbus, Ohio.

Secretary-Treasurer: Charles W. Walson, '38, Hq. 2406 Area Service Unit, Second Army, R.O.T.C., Ohio State University, Columbus 10, Ohio.

SAN FRANCISCO

President: Harold F. Nichols, '11, 276 32nd Avenue, San Francisco 21, California.

Vice-President: Garrison H. Davidson, '27, Quarters 513-A, Presidio of San Francisco, California.

Vice-President: John A. Stewart, '24, 311 Portola Avenue, Palo Alto, California.

Acting Secretary-Treasurer: Harold F. Nichols, '11, 276 32nd Avenue, San Francisco 21, California.

ORGANIZATION OF THE CORPS OF CADETS



The approximately 2400 cadets of the Corps are organized into 24 companies of about 100 men each. The 24 companies are formed into six battalions; and the six battalions into two regiments. The two regiments make up the cadet Brigade.

At the head of the Brigade is the Brigade Commander (known also as the First Captain) who has a staff of a Brigade Adjutant, a Brigade Training Officer, and a Brigade Supply Officer. The two Regimental Commanders have corresponding staffs, as have the six Battalion Commanders except that on the battalion staffs the Training Officer is replaced by a Battalion Sergeant Major.

Each company is in charge of a Company Commander, with subordinate cadet officers in command of the smaller units.

DIRECTORY OF CADETS



FIRST CLASS

Abbruzzese, Peter A
New York, N Y
Abelman, Robert M
Reno Nev
Ache Paul S, Jr
Holidaysburg Pa
Adams, Dwight L
Afton Va
Adams Walter E
Baltimore Md
Ahearn John P
Woodside, L I, N Y
Allan Abraham N
Salt Lake City, Utah
Allbaugh, Charles E
Richland Kans
Allen, John W Jr
York Pa
Allison Clark H
Mt Lauderdale, Fla
Aman William G, Jr
Hartville, Ohio
Anderson, Joe F Jr
Chester S C
Apmann Arthur M Jr
San Francisco, Calif
Aton Bert B
Louisville Ky
Auil, Luther B, 3d
Greenville, S C
Austin Thomas A 3d
San Antonio Texas
Baish Charles F
Washington D C
Ball George L
Abbeville, Miss
Ball Thomas H
Waco Texas
Banister Grady H Jr
Anniston Ala
Bardos Philip G
Canonsburg, Pa
Barger, Cyrus P
Waynesboro, Va
Barker, Arthur C Jr
Riverside, Calif
Barnes James C, Jr
Norfolk Va
Barnet John A, Jr
Port Huron, Mich
Barrett, Courtenay L Jr
Cincinnati, Ohio
Barry Raymond N
Hollis Okla
Barry Thomas M, Jr
Chicago, Ill
Bashore, Boyd F
Perrysburg Ohio
Basil Robert A
Island Pond, Vt
Bastar, Richard G Jr
Birmingham, Ala
Batchelor, Edward E Jr
Greenville N C
Bates, John O Jr
Fort Worth, Texas
Baughan, John J
Duluth Minn
Baxley William J Jr
Dillon, S C
Baxter, Thurston R
Piedmont, Calif
Baxter, Walter H 3d
Weslaco, Texas
Bean, Jesse C, 2d
Lexington, Va
Begley John I
Schunectady, N Y
Bell Charles E, Jr
Forest Hills, L I N Y
Bell Charles H, 3d
Toledo Ohio
Bell George W
San Marino, Calif
Benson, Aubrey J.
Colorado City, Texas
Berry, Elbert De V H
Asheville N C
Best John W Jr
Arlington, Calif
Buk Elmer L
Klamath Falls Ore
Butler, Medon A
Johnson City, Tenn
Blair, Arthur H
Cobham, Va
Blanchard Howard B, Jr
Arlington Va
Blank Harold L
Maplewood Mo
Bloss, William H
West Lafayette Md
Bohn, Donald L
Merced Calif
Bolduc Lucien E Jr
Lowell, Mass
Bolte Philip L
Washington, D C
Bonanno Fredrick R
Baton Rouge La
Bonfoes, Warner T, Jr
St Paul Minn
Borman Frank
Tucson, Ariz
Boydston Thomas W
McPherson Kans
Boylan James F
Del Monte Calif
Boyle Edmund J
Providence, R I
Brady Egbert L Jr
Bayshore, I I N Y
Brandes, William F
Chevy Chase Md
Brandon, Thomas O 2d
Cucamonga, Calif
Bretwieser Albert G 3d
Susanville, Calif

DIRECTORY OF CADETS, First Class—Continued

Briggs, David C.
Corpus Christi, Texas

Brinkerhoff, John R.
Santa Ana, Calif.

Brown, Howard G.
Tupelo, Miss.

Brown, Vance S., Jr.
Mt. Shasta, Calif.

Brunson, Carl L.
Allendale, S. C.

Buccolo, Joseph P.
North Bergen, N. J.

Buckner, Garrett D., Jr.
Lexington, Ky.

Butler, Charles L.
Sewickley, Pa.

Ryers, Andy J.
Celeste, Texas

Cameron, David H.
Southampton, N. Y.

Cameron, Stephen F., Jr.
Hyattsville, Md.

Camp, Lynn H.
Willcox, Ariz.

Campbell, David A.
San Rafael, Calif.

Cannon, George C., Jr.
Phoenix, Ariz.

Carlisle, David K.
Los Angeles, Calif.

Cassery, Thomas F., 3d
South Orange, N. J.

Chambers, Robert M.
Middleport, Ohio

Chandler, Malcolm W., Jr.
Silver Spring, Md.

Chapman, Herschell E.
Rolfe, Iowa

Cheney, Robert A.
Farmington, N. H.

Christensen, Frank P., Jr.
Garden City, L. I., N. Y.

Clement, Robert W.
Atlanta, Ga.

Cloar, Clyde R.
San Bernardino, Calif.

Coates, Willard H.
Clearwater, Fla.

Cody, Richard N.
Wichita, Kans.

Coffin, Monty D.
Milton, Ky.

Cooley, Kenton P., Jr.
Asheville, N. C.

Cornay, Florian O.
Lafayette, La.

Coscarelli, Donald A.
Pittsburgh, Pa.

Cosentino, Rudolph V.
Seneca Falls, N. Y.

Cox, Malcolm R., Jr.
Carmel, Calif.

Coyle, Harry M.
Johnstown, Pa.

Cragin, John W.
Sarcozie, Mo.

Crawford, Albert B., Jr.
Tucson, Ariz.

Creuziger, Donald P.
Sturtevant, Wis.

Crichton, Theodore P.
Wilmington, Del.

Crist, William E., Jr.
San Francisco, Calif.

Crittenberger, Dale J.
Fort Totten, N. Y.

Crockett, Edward P.
Oakland, Calif.

Cronin, James
Highland Park, Mich.

Cuneo, Victor N., Jr.
East Northport, N. Y.

Cunningham, Charles C.
Baltimore, Md.

Curry, William D., Jr.
Chicago, Ill.

Curtis, James A.
Harlan, Iowa

Darland, Lloya E.
Hutchinson, Kans.

Daugherty, William L.
Santa Clara, Calif.

Davis, Bennie I.
McAlester, Okla.

Davis, Reed E.
Omaha, Neb.

Davis, William D.
Washington, D. C.

De Armond, Michael E.
Arlington, Va.

De Graf, William B.
San Francisco, Calif.

Dennis, Gene A.
Marion, Ind.

Detherow, Ralph H.
Greensburg, Kans.

Dickerson, Charles F., Jr.
Albuquerque, N. M.

Dielens, August J., Jr.
Vineland, N. J.

Di Grazia, John E., Jr.
Wells, Nev.

Dille, John A., Jr.
Roanoke, Va.

Dixon, Louis F.
Wilkes Barre, Pa.

Dodge, Harry E.
San Antonio, Texas

Dolan, Roger W.
South Portland, Me.

Donahue, Phillip H.
Rockford, Ill.

Donovan, James C.
Oklahoma City, Okla.

Doughtie, Claude H., Jr.
Lawrenceville, Ga.

Douglass, Robert W., 3d
Memphis, Tenn.

Dowe, Ray M., Jr.
Arlington, Va.

Doyle, Edward J., 3d
Wilmington, Del.

Dreisonstok, Thomas F.
Washington, D. C.

Drewry, James G., Jr.
Cambridge, Idaho

Drury, Richard T.
New York, N. Y.

Duggins, Frank H., Jr.
Kansas City, Mo.

Dunbar, Donald F.
Pittsburgh, Pa.

Duncan, Joseph C.
Bloomington, Ill.

Dunn, James F.
San Diego, Calif.

Dunning, Ernest C., Jr.
Chambersburg, Pa.

Durst, Jay E.
Windber, Pa.

Earnhart, George N., Jr.
Tarboro, N. C.

DIRECTORY OF CADETS, First Class - Continued

- Wasley, Roy W.
 Louisville, Ky.
 Eastman, Robert W.
 Jackson, Mich.
 Ebner, Kenneth R.
 Bath, Pa.
 Edwards, Robert C.
 Chicago, Ill.
 Eek, Lauris M.
 Maryville, Mo.
 Ehrlich, Ira R.
 Washington, D. C.
 Eichelberger, George B., Jr.
 Norfolk, Va.
 Eichorn, William N., 2d
 Wellesley, Mass.
 Elliot, Charles W.
 Kittery, Me.
 Elliott, Joe F.
 Cartersville, Ga.
 Eshelman, Charles C.
 Portville, N. Y.
 Etz, Eugene C.
 Independence, Kans.
 Ewan, Richard C., Jr.
 Atco, N. J.
 Fahey, Donal A.
 Belmont, Mass.
 Fahs, John L., Jr.
 Jacksonville, Fla.
 Fahy, John W.
 Springfield, Mo.
 Farabough, Charles K.
 Newburgh, N. Y.
 Farrell, Peter H.
 Forest Hills, L. I., N. Y.
 Fastuca, Salvatore R.
 Avalon, Pa.
 Faurer, Lincoln D.
 Philadelphia, Pa.
 Ferguson, Robert B.
 Keeseville, N. Y.
 Fern, Albert J., Jr.
 San Diego, Calif.
 Fette, James H.
 Dennison, Ohio
 Fife, Thomas W., Jr.
 Sioux City, Iowa
 Fifield, George C.
 South Lancaster, Mass.
 Fischer, Philip D.
 Bethesda, Md.
 Fischlein, Seymour
 Denver, Colo.
 Fitts, William T., 3d
 New York, N. Y.
 Flinn, Robert F.
 Stony Brook, N. Y.
 Flynn, Allan S.
 Gardner, Mass.
 Fogarty, Charles C.
 Providence, R. I.
 Fosshe, James F., 3d
 Washington, D. C.
 Foster, George F.
 Rome, N. Y.
 Fox, Edward J.
 Tampa, Fla.
 Fox, John E.
 San Antonio, Texas
 Franklin, Joseph R.
 Denver, Colo.
 Fray, John A., Jr.
 Dayton, Ohio
 Freedman, Edward F.
 Torrington, Conn.
 Friedlander, Charles D.
 Long Island City, N. Y.
 Fuller, Alan G.
 Chatham, N. J.
 Fuller, William G.
 San Antonio, Texas
 Fullerton, George S.
 Roslindale, Mass.
 Fye, Richard S.
 Ft. Geo. G. Meade, Md.
 Gabriel, Charles A.
 Lincolnton, N. C.
 Gaffney, John R.
 Rockford, Ill.
 Gaillard, Franklin
 New York, N. Y.
 Galiffa, Arnold A.
 Donora, Pa.
 Gallagher, Nathaniel A.
 Maiden, Mass.
 Gappa, Joseph A., Jr.
 Mosinee, Wis.
 Gard, Robert G., Jr.
 Ft. Meade, Md.
 Garrett, John M., Jr.
 Memphis, Tenn.
 Garrett, Leonard J.
 Philadelphia, Pa.
 Gatley, Vernon R., Jr.
 Lexington, Mass.
 Gearan, William K.
 Gardner, Mass.
 Genuario, Louis V.
 E. Norwalk, Conn.
 German, James
 Elkhart, Ind.
 Gilbert, Henry A.
 Highland Park, Ill.
 Gillham, Wendell
 Dallas, Texas
 Glenn, Russell S.
 Bridgeport, Conn.
 Goldsmith, John W.
 Hill, T. E.
 Goodman, Tyler G.
 LaSalle, Ill.
 Gorman, Paul F., Jr.
 Swampscott, Mass.
 Gottesman, Harold A.
 Hillside, N. J.
 Gradoville, Edward J.
 Plattsmouth, Neb.
 Graham, Charles F.
 Boise, Idaho
 Green, Joseph F.
 Champaign, Ill.
 Green, John F.
 Green River, Wyo.
 Green, Robert W.
 Oakland, Calif.
 Greene, Thomas P.
 Drexel Hill, Pa.
 Greer, Thomas U.
 Gainesville, Fla.
 Griebling, Alfred I.
 Denver, Colo.
 Griffin, Joseph T., Jr.
 Frederick, Md.
 Groseclose, Robert F.
 Atlanta, Ga.
 Grow, Robert M.
 Fort Devens, Mass.
 Gulon, James L., Jr.
 Hawaii Ord. Dep., T. H.
 Gurnee, Paul L.
 Appleton, Wis.

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- Haberman, Fredric W.
Chicago, Ill.
- Hagler, Carter B.
Augusta, Ga.
- Hall, John R., Jr.
Muscatine, Iowa
- Hall, Kenneth W.
Nashua, N. H.
- Hamel, John S.
Toledo, Ohio
- Hamin, Frederick J., Jr.
Battle Creek, Mich.
- Hammond, Charles W.
Montebello, Calif.
- Hammond, Lyman H., Jr.
Binghamton, N. Y.
- Hanna, Mark J.
Leavenworth, Kans.
- Hannan, George E.
Pierre, S. D.
- Hansen, Ray S.
Newport Beach, Calif.
- Hanson, Jack R.
Cleveland, Ohio
- Hansotte, Louis B.
Hollywood, Calif.
- Harper, Philip H.
Madrid, Spain
- Harrell, Norris E.
Fort Worth, Texas
- Harrold, John S.
Alexandria, Va.
- Hayes, Ernest T., Jr.
Louisville, Ky.
- Hayward, Charles W.
Andover, Mass.
- Heard, Falkner, Jr.
San Antonio, Texas
- Heit, Elliot E.
Pelham Manor, N. Y.
- Hemenway, Ward W.
Mt. Vernon, Iowa
- Henderson, LeRoy W.
Augusta, Me.
- Hendry, John R.
Ben Avon, Pa.
- Henn, William R.
Drexel Hill, Pa.
- Henning, Frank A., 3d
New York, N. Y.
- Henrikson, Matthew T.
Aberdeen, S. D.
- Henry, Robert F.
Wadsworth, Ohio
- Herbert, Morris J., Jr.
Los Angeles, Calif.
- Hergert, Louis G., Jr.
Bridgeville, Pa.
- Hester, Walter F.
High Point, N. C.
- Hetz, Robert A., Jr.
Scranton, Pa.
- Higgins, James E.
Brooklyn, N. Y.
- Hinds, Sidney R.
Falls Church, Va.
- Hinds, William M., 3d
Birmingham, Ala.
- Hirsch, Irvin S.
Auburn, Ala.
- Hoffman, Richard G.
San Antonio, Texas
- Hoham, Frederick D., 3d
Fort Wayne, Ind.
- Holsington, Robert H.
Santa Barbara, Calif.
- Holcomb, Leslie P., Jr.
Wilton, Conn.
- Holt, Hugh C.
Halifax, Va.
- Hoover, Robert M.
Newark, Ohio
- Horsley, James O., Jr.
Franklin, N. C.
- Howard, Francis E., Jr.
Washington, D. C.
- Howard, John D.
Albertville, Ala.
- Howe, William S., Jr.
Buffalo, N. Y.
- Howell, James G.
Arlington, Va.
- Hubbard, Anderson O.
Gretna, Va.
- Hubbard, George H., 2d
Versailles, Mo.
- Hubbard, Norman F.
Denver, Colo.
- Hufnagel, James R.
Murphysboro, Ill.
- Hughes, David R.
Denver, Colo.
- Hughes, Robert B.
West Point, N. Y.
- Hughes, Thomas W. L., Jr.
Ashland, Va.
- Hunt, Richard L.
Oklahoma City, Okla.
- Hurst, John E., Jr.
Phoenix, Ariz.
- Hutcheson, Philo A., Jr.
Atkinson, N. H.
- Ingram, Paul M.
Farmington, Conn.
- Irons, James V.
Dayton, Ohio
- Irwin, John F.
Waipahu Oahu, Hawaii
- Jackley, Lawrence W.
Chicago, Ill.
- Jacobson, Gerhard L.
Sefan, Minn.
- Jennings, Allen B.
Ft. Leavenworth, Kans.
- Jennings, John R.
Honolulu, T. H.
- Johns, Howard O.
Elmhurst, Ill.
- Johnson, Carl A., Jr.
Muskegon, Mich.
- Johnson, Malcolm D.
Springfield, Mass.
- Johnson, Richard L.
Omaha, Neb.
- Johnsrud, Melvin H.
Minneapolis, Minn.
- Johnston, Earl
Salem, Ore.
- Jones, Briggs H.
Byhalia, Miss.
- Jones, Clarence Q., Jr.
Muskogee, Okla.
- Jones, John G.
Jamestown, La.
- Jones, Mark E., Jr.
San Antonio, Texas
- Jones, William R. D.
Columbus, Ohio
- Joy, David D.
San Francisco, Calif.
- Kammerer, Martin LaV.
Warren, Ore.

DIREFCTORY OF CADFIS First Class—Continued

Kaseman, Ralph D, Jr
Shamokin Pa

Keller Richard B
Munde'ain, Ill

Kelley, Gerald P
Pittsfield Mass

Kellum, William H
Haynesville La

Kelly, James L
Ft Leavenworth Kans

Kennedy Edwin L
Gulfport, Miss

Kesinger Howard F, Jr
Fort Hill, Okla

Kims Ira L, Jr
Richmond Va

Kindig Neal B
Medicine Lodge Texas

King David B, 2d
Maitland Mo

King, Francis
Washington D C

Kimner, Albert V
Clearfield, Utah

Klie George D
Hoboken, N J

Knapp, William L
Vancouver, Wash

Knauer Glenn W
DeSoto Mo

Knott Elliott R
Montclair N J

Kochler, John J, Jr
New York, N Y

Kramer Richard L
Leesburg Fla

Kubby Robert S
Des Moines Iowa

Kukkhahn, Karl O
Loganville Wis

Kulpa John E, Jr
Bloomfield N J

Kuyk Charles F G Jr
Middlebury, Vt

Lacetti, Joseph N
Union City N J

Lamdin William R
Balto Md

Lange, Philo B Jr
Dubuque Iowa

Langren Donald R
Whiting Iowa

Lear George E
Holidays Cove, Va

Leary Robert P
Watertown Mass

Leavitt, Lloyd R, Jr
Alpena, Mich

Lee, Burke W Jr
Jacksonville Beach, Fla

Lee Emmett C, Jr
Corsicana, Texas

Lee James M
Scotts Hill N C

Leggett Russel F
Catasauqua, Pa

Leiser Bruce J
Boise, Idaho

Leiser, Louis G
Twin Falls, Idaho

Lewandowski, Richard H
Cleveland, Ohio

Lewis, Bennett L
Strafford, N H

Libert Harold
New York, N Y

Liechty Herschel H Jr
Trinidad Colo

Lilly Edmund J 3d
New York, N Y

Land Roger C
Park Rapids Minn

Listro Paul C
Hartford, Conn

Littlefield, Warren C
Santa, Calif

Lobe Thomas J
Cleveland Ohio

Lockerman, Samuel W
Newark Del

Lockwood Kilbert E
Birmingham, Ala

Lodwick Lawrence S
Louisville Ky

Lombard Reginald T Jr
So Portland Me

Loper Thomas C
Alexandria Va

Lorette Richard J
San Francisco Calif

Loucks Keith W
Potsdam, N Y

Loughood Melville J
Jamestown, N D

Lounsbury, Roy F
Albany N Y

Love Joseph B
Phoenix Ariz

Loyd Frank R Jr
Washington D C

Loye John F Jr
Lawrence, Mass

Luckese Robert T
Malba L I N Y

Lumsden Lonnie H 2d
Chattanooga, Tenn

Lungcr, Raymond R
Dunkirk N Y

Lunn Robert J
Spring Valley Ill

Lynch James E
Danvers Mass

MacIachlan William
Palo Alto, Calif

Mackmull Jack V
Dayton, Ohio

Magee John A Jr
San Francisco Calif

Maladowitz Raymond
Garfield N J

Mallett Peter
Ft Totten N Y

Mangas Cloyce L
Union City Ind

Mangum Wiley M, Jr
Spartanburg S C

Maresca, Mauro E
New York N Y

Martin Clark C
Princeton, Ill

Mastaglio, Edward F J
Long Island, N Y

Mastoris William
Farrell Pa

Mather Linwood B
Pikesville, Md

Matthews, John S
Hurley N Y

Matthey Bernard P, Jr
Wheatland, N D

Matthessen, Clarence J
Monticello, Iowa

DIRECTORY OF CADETS, First Class—Continued

Maxwell, John C., Jr.
Oswego, N. Y.

Mayfield, Ross F., Jr.
Hayden, Ariz.

McAlpine, John M.
Union, S. C.

McBride, Robert D.
San Francisco, Calif.

McBride, Thomas E., Jr.
Apopka, Fla.

McCandlish, Robert H.
Silver Springs, Md.

McCauley, Cleyburn L.
Tyler, Texas

McCleary, John E.
Aledo, Ill.

McCollum, Offa S., Jr.
Columbus, Ga.

McCormick, John W., Jr.
Annapolis, Md.

McCoy, Harold E.
Canton, Ohio

McCrane, Joseph M., Jr.
Teaneck, N. J.

McCutchen, Robert K.
Arlington, Va.

McDaniel, Dan R.
Shreveport, La.

McDaniel, Paul B.
Leitchfield, Ky.

McDowell, William R.
Ada, Okla.

McFarland, Andrew J. B., Jr.
Milo, Me.

McGee, Arthur A.
Lorain, Ohio

McGill, Patrick E.
Gainesville, Fla.

McGuire, Mark
Long Island, N. Y.

McKinney, John T.
Mitchel A. F. B., N. Y.

McMullen, Malcolm
Pinchurst, N. C.

McSherry, Walter C.
McAlester, Okla.

Means, Charles F.
East Liverpool, Ohio

Melton, Maurice E.
Henderson, Ky.

Meredith, David S., 3d
Longview, Texas

Mernan, David W.
Buffalo, N. Y.

Michel, James D.
St. Paul, Minn.

Middleton, George R., Jr.
Franklin, Ind.

Miehe, William H., Jr.
Staten Island, N. Y.

Mielenz, Lloyd E.
Washington, D. C.

Milia, Carmela P.
Ogdensburg, N. Y.

Miller, John E.
Montpelier, Vt.

Miller, Robert L., Jr.
Washington, D. C.

Miller, Wilfred D.
Watertown, Conn.

Miller, William R.
Alhambra, Calif.

Mitcham, James R., Jr.
Brownwood, Texas

Mitchell, Carl B.
Fort Knox, Ky.

Mitchell, Howard S.
Queens Village, N. Y.

Moll, Kenneth L.
Oakdale, Calif.

Monfore, Peter H.
Springfield, S. D.

Monihan, David M.
Santa Rosa, Calif.

Monson, Gerald H.
Grand Forks, N. D.

Morris, George T., Jr.
Milledgeville, Ga.

Morrison, Robert C.
Lebanon, Tenn.

Morrissey, George E., Jr.
Washington, D. C.

Mueller, Paul J., Jr.
Ft. McPherson, Ga.

Murphy, John M.
Staten Island, N. Y.

Murphy, Kenneth E.
Belleville, Ill.

Nabhan, Harold G.
Allentown, Pa.

Navarro, Pasquale
Pittsburgh, Pa.

Nelson, Richard W.
Davenport, Iowa

Nelson, William F.
Windom, Minn.

Newcomb, Charles W.
Evansville, Ind.

Newton, Richard Y., Jr.
Ft. Lauderdale, La.

Nibley, Owen S.
Washington, D. C.

Nicholson, Samuel N., Jr.
Camden, Calif.

Nickerson, Fred E.
Benicla, Calif.

Nicolay, Phillip E.
St. Louis, Mo.

Nold, James M.
New York, N. Y.

Novak, Don G.
West Point, N. Y.

Nutting, Wallace H.
Saco, Me.

O'Brien, John E.
Hampton, N. H.

O'Connell, Robert K.
Newport, R. I.

Oliver, George S.
Canyon, Texas

O'Quinn, William G.
Patterson, Ga.

Osborne, Stanley D.
Reno, Nev.

Osterndorf, Charles J.
Milwaukee, Wis.

Otis, William E., Jr.
Cleveland, Ohio

Packer, Allan R.
Marshalltown, Iowa

Page, Lewis A., Jr.
Nogales, Ariz.

Palmer, William W.
Dunham, N. C.

Parish, John V., Jr.
Youngstown, Ohio

Parks, Howard N.
Newberry, S. C.

Parmly, Oliver W.
San Antonio, Texas

Parsons, Tarlton F., 2d
Nyack, N. Y.

DIRECTORY OF CADETS, First Class—Continued

Passmore, Hunter W.
 Storrs, Conn.
 Patterson, George K.
 Orlando, Fla.
 Paulger, Albert McL.
 Detroit, Mich.
 Payne, Don H.
 Garland, Texas
 Pederson, Duane M.
 Fargo, N. D.
 Peltz, Robert B.
 Belle Harbor, L. I., N. Y.
 Pennekamp, John D., Jr.
 Miami, Fla.
 Pennington, Philip J.
 E. San Antonio, Texas
 Petree, Bruce E.
 Fort Bragg, N. C.
 Pettigrew, Merlin E.
 St. Joseph, Mo.
 Pettit, David P.
 Warrenton, Va.
 Phillips, Wendell E.
 Northampton, Mass.
 Pick, Lewis A., Jr.
 Washington, D. C.
 Pierce, Edward M.
 Indiana, Pa.
 Pierce, James R., Jr.
 New York, N. Y.
 Pierce, William F.
 San Jose, Calif.
 Pierson, Frank A., Jr.
 Durham, N. C.
 Pigman, John H.
 Cloquet, Minn.
 Pinto, Ralph D.
 New York, N. Y.
 Poage, Douglas W., Jr.
 Maryville, Pa.
 Pogue, William A.
 Birmingham, Ala.
 Pohl, Emil A., Jr.
 Mill Valley, Calif.
 Porcher, Arthur G.
 Summit, N. J.
 Prentiss, Louis W., Jr.
 Dallas, Texas
 Preuit, Rusaell B., Jr.
 Town Creek, Ala.
 Price, George L., Jr.
 Newport News, Va.
 Price, Walter E.
 Tulsa, Okla.
 Pritchett, Clifton A., Jr.
 Wahiawa Oahu, T. H.
 Prosser, Harvey W., Jr.
 Oakland, Calif.
 Prouty, Stanley M., Jr.
 New York, N. Y.
 Quarstein, Vernon A.
 Eugene, Ore.
 Quinn, Edward B.
 Ogden, Utah
 Ramos, Fidel V.
 Buenos Aires, Arg.
 Rapp, William A.
 El Paso, Texas
 Ray, David D.
 Vinita, Okla.
 Ray, Morton
 Owensboro, Ky.
 Read, William E.
 Morganton, N. C.
 Reed, Robert D.
 Washington, D. C.
 Rees, George C.
 San Diego, Calif.
 Rees, Marvin
 Milroy, Ind.
 Reidy, Edward J.
 Washington, D. C.
 Rein, Richard A.
 Toledo, Ohio
 Reinhart, Stanley E., Jr.
 Birmingham, Mich.
 Reinken, Louis A., Jr.
 Fort Monroe, Va.
 Reinsach, Howard F.
 Ashton, Iowa
 Reybold, Philip C.
 Washington, D. C.
 Rhoads, Mark C.
 Arlington, Va.
 Rising, Lucien E.
 Beverly Hills, Calif.
 Ritteman, Ralph A., Jr.
 Hawley, Minn.
 Ritter, Nelson F.
 Baltimore, Md.
 Roach, Paul A., Jr.
 Las Cruces, N. M.
 Roberts, Lillberr B.
 Saint Joseph, Mo.
 Robinson, Robert W.
 Battle Creek, Mich.
 Roehm, John F., Jr.
 Atlanta, Ga.
 Rogers, Daniel L.
 Fayette, Mo.
 Rogers, Manley E.
 Waterville, Me.
 Romaneski, Albert I.
 Turlock, Calif.
 Ross, Blair A., Jr.
 Gatlinburg, Tenn.
 Ross, James A., Jr.
 Pittsfield, Mass.
 Ross, John J.
 Katonah, N. Y.
 Round, Roswell E., Jr.
 Fort Knox, Ky.
 Roush, Maurice D.
 Basin, Wyo.
 Rovenger, Ronald
 Brooklyn, N. Y.
 Rowell, Milo D.
 Fresno, Calif.
 Ruppel, Lindsay C.
 Manhattan, Kans.
 Rusch, Gerald A.
 Saginaw, Mich.
 Rushing, Harry E.
 Montgomery, Ala.
 Rutherford, Andrew M.
 Upland, Calif.
 Rutledge, John, Jr.
 Fayetteville, Tenn.
 Ryan, Malcolm E., Jr.
 Brawley, Calif.
 Saelberg, John J.
 Kingston, Pa.
 Sachers, Henry S.
 Roanoke, Va.
 Sailer, Francis A.
 Eagle River, Wis.
 Sampson, Donald E.
 Williamson, W. Va.
 Samsey, Philip B.
 Toledo, Ohio
 Sanderson, Alfred L.
 Stockton, Calif.

DIRECTORY OF CADETS, First Class--Continued

- Scandling, John D.
East Rochester, N. Y.
- Schira, Pedro L.
Santurce, P. R.
- Schnoor, Dean F.
New Cambia, Mo.
- Scholl, Allan P.
Chicago, Ill.
- Schopper, Jared B.
New York, N. Y.
- Schwoob, William H.
Placentia, Calif.
- Seithers, George H.
Richmond, Va.
- Scotfield, Thomas D.
Opp, Ala.
- Scott, Winfield W., Jr.
Washington, D. C.
- Seely, Theodore A., Jr.
San Francisco, Calif.
- Seitz, Robert J.
Garden Grove, Iowa
- Shade, Robert A.
La Mesa, Calif.
- Shaffer, George B.
Sewickley, Pa.
- Shaffer, John R.
Vandergrift, Pa.
- Shahinian, Vaughn L.
Tulare, Calif.
- Shambora, William E., Jr.
San Francisco, Calif.
- Shankle, Joseph F.
Fort Worth, Texas
- Shankman, Stanley P.
Brooklyn, N. Y.
- Sharp, Jere W.
Gainsville, Ga.
- Sharp, Thomas C., Jr.
Los Angeles, Calif.
- Shelley, John R.
Altus, Okla.
- Shemwell, Arthur L., Jr.
Nashville, Tenn.
- Shreve, Don F.
Churchville, Va.
- Sibbles, Graham McL.
Springhill, Ala.
- Singer, Raymond P.
Chicago, Ill.
- Singleton, Millard H.
Chicago, Ill.
- Skelton, Winfred G., Jr.
Madison, Wis.
- Skove, James R.
Cleveland Heights, Ohio
- Slade, William B.
Lake City, Fla.
- Slavins, William E.
Morgantown, W. Va.
- Slay, James R.
Alexandria, La.
- Sloane, Charles C., 3d
Fort Lewis, Wash.
- Small, Martin J.
Laramie, Wyo.
- Smedes, Norman R.
Medford, Ore.
- Smith, Clark
Tulsa, Okla.
- Smith, Charles R., Jr.
Santa Barbara, Calif.
- Smith, Donald S.
East Orange, N. J.
- Smith, John H.
Kingston, Tenn.
- Smith, Ronald R.
Kansas City, Kans.
- Smithers, Samuel W., Jr.
New York, N. Y.
- Smyly, James W., 3d
Edgewood, Md.
- Snoke, Myron D.
Goshen, Ind.
- Spence, Clyde W., Jr.
Waycross, Ga.
- Spielman, Henry D.
New York, N. Y.
- Stanton, Walter C., Jr.
San Francisco, Calif.
- Stapleton, Samuel L.
St. Francisville, La.
- Steele, Sidney L.
Sparta, Wis.
- Stefanik, Edward P.
Chicopee, Mass.
- Steffensen, Harry R.
Forest City, Iowa
- Steinberg, Irwin I.
Brooklyn, N. Y.
- Steinberg, William A.
Philadelphia, Pa.
- Stephenson, Ralph W., Jr.
Jena, La.
- Steuart, Richard G.
Middletown, Conn.
- Stewart, William R.
Saginaw, Mich.
- Stone, Carl E.
Rock Island, Ill.
- Streit, John P.
Washington, D. C.
- Strickland, Henry W.
Washington, D. C.
- Strickland, Harold E., Jr.
Memphis, Tenn.
- Strider, Thomas P.
Meadville, Pa.
- Strohm, Richard M.
Montclair, N. J.
- Stuff, James W.
Cincinnati, Ohio
- Sweidel, William L.
Palm Beach, Fla.
- Tackus, Kenneth A.
West Hartford, Conn.
- Talbott, Marshall D., Jr.
Pickaway, W. Va.
- Tandler, Tyler W.
Scarsdale, N. Y.
- Tankersley, Will H.
Montgomery, Ala.
- Tate, Grayson D., Jr.
Denver City, Texas
- Therrien, Francois X., Jr.
Amesbury, Mass.
- Thomas, Ernest C.
Leavenworth, Kans.
- Thomas, Grace G., Jr.
Gatun, C. Z.
- Thompson, Francis E.
Salisbury, N. C.
- Thompson, James M.
Boise, Idaho
- Thompson, Nelson L.
Portland, Me.
- Tilson, George F.
Asheville, N. C.
- Tisdale, Henry E., Jr.
Arlington, Va.
- Tisdale, Patrick D.
Arlington, Va.

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Todd, William S., Jr.
White Plains, N. Y.

Todsén, Peter E.
Mexico, Mo.

Tonningsen, Charles F.
Las Vegas, Nev.

Torney, James H.
Baltimore, Md.

Trayers, James L., Jr.
Dorchester, Mass.

Trefry, Richard G.
Marblehead, Mass.

Trent, John C.
Memphis, Tenn.

Triem, Paul D.
Custer, S. D.

Trompeter, Arthur F.
Rapid City, S. D.

True, Everett L.
Craig, Mo.

Truesdale, John H.
Richmond, Va.

Tullidge, Thomas H.
Staunton, Va.

Tuttle, William H., Jr.
Sarasota, Fla.

Ufner, John
Lyndora, Pa.

Underwood, Herbert P.
Russellville, Ala.

Vanderpluis, Howard J., Jr.
Washington, D. C.

Vannoy, Walter M., Jr.
Lynchburg, Va.

Vanston, John H.
Fort Worth, Texas

Vanture, Paul S.
Randolph Field, Texas

Veatch, Austin K., Jr.
Custer, Okla.

Veley, Kelly T.
Bayard, Fla.

Vinson, Bobby G.
Genoa, Texas

Viskochil, Ralph H.
Traverse City, Mich.

Vlisides, George F.
Ann Arbor, Mich.

Waddell, William C.
Los Angeles, Calif.

Wagner, John E.
Springfield, Mo.

Wagoner, John S.
Milwaukee, Wis.

Waldor, Jerome N.
Newark, N. J.

Wallace, James, Jr.
Toledo, Ohio

Walsh, Michael J.
Springfield, Mo.

Ward, Ira J.
Knoxville, Iowa

Ward, William F., Jr.
Canton, Mass.

Warner, Volney F.
Woonsocket, S. D.

Warren, Wilbur M., 2d
East Point, Ga.

Wassenberg, John F.
Green Bay, Wis.

Watson, Frank N.
New York, N. Y.

Watson, John W., Jr.
Columbus, Miss.

Watters, Clarence M.
Haynesville, La.

Weaver, John L.
San Antonio, Texas

Weber, Karl B., 3d
Pittsburgh, Pa.

Weber, Robert I.
Minneapolis, Minn.

Webster, Warren, 3d
Beach Haven, N. J.

Wegner, Leonard W., Jr.
Chicago, Ill.

Weight, Clay D.
Ashland, Ky.

Werner, Robert E.
Yonkers, N. Y.

West, Edward C.
Philadelphia, Pa.

Wheatley, Jack R.
Pocatello, Idaho

Wheaton, James R., Jr.
Governors Island, N. Y.

Wheaton, Warde F.
Hopkins, Minn.

White, Francis W., Jr.
Andover, Mass.

White, Martin, 3d
Jersey City, N. J.

White, Robert R.
Bridgeton, N. J.

Whitfield, William F.
Altoona, Pa.

Whiting, Robert E.
Quincy, Calif.

Wickham, John A., Jr.
Katonah, N. Y.

Willerford, Robert D.
San Fernando, Calif.

Williams, Robert A.
Malvern, Ark.

Willingham, Chester M., Jr.
New York, N. Y.

Wilson, Durward S., Jr.
Arlington, Va.

Wilson, Gail F.
Fort Riley, Kans.

Wilson, Patrick W.
Barstow, Texas

Wilson, Robert M.
Kingston, R. I.

Wolf, Rene A.
San Diego, Calif.

Wondolowski, Francis R.
Bridgeport, Conn.

Wood, Archie L.
Christopher, Ill.

Wood, Paul S.
Hammonton, N. J.

Wood, Stuart, Jr.
Washington, D. C.

Wood, Walter A., 3d
Washington, D. C.

Workman, James F.
Monmouth, Ill.

Worley, Richard L.
Miami, Fla.

Wright, Sidney T.
West Frankfort, Ill.

Wyrrough, Richard R.
Trenton, N. J.

Yeoman, William F.
Austin, Texas

York, Theodore R.
Holyoke, Mass.

Zabel, Patrick H.
Beverly Hills, Calif.

Zagorski, Frank J.
Meriden, Conn.

Zavitz, Paul R.
Plymouth, Mich.

SECOND CLASS

Aaron Thomas F
 Harrisburg, Ill
 Abshire David M
 Chattanooga, Tenn
 Ackerson, Bruce A
 Albuquerque N M
 Akers, Albert B
 Coronado Calif
 Albenda Joseph
 New York, N Y
 Albritton, Herbert H
 Tampa, Fla
 Aldrin Edwin E, Jr
 Upper Montclair N J
 Allen, Richard C
 Duluth, Minn
 Allen, William A
 Hudson, Mass
 Anderson Loren A
 Fullerton N D
 Anderson Robert D
 South Bend Ind
 Anker Donald C
 Cass City, Mich
 Antila Eric F
 Santa Fe, N M
 Arnold Carl F
 Jamestown Ark
 Ashley, Floy L
 Chippewa Falls, Wis
 Atkeson Edward B
 Washington D C
 Aucr, Raiph L
 Fort Wayne Ind
 Bacon, Walter J, 2d
 Waycross, Ga
 Bailey, Bruce B
 Newton Mass
 Baird, Harry H Jr
 Arlington Va
 Baird, Willett J Jr
 San Francisco Calif
 Ballard, John G, Jr
 Lexington Ky
 Bangertor Merton J
 Los Angeles Calif
 Barber Ransom H
 Alexandria Va
 Barnes Daniel S
 Falls Church, Va
 Barnett, William I
 Macon Ga
 Barott William C
 Walnut Creek Calif
 Barron, James J
 Portland, Ore
 Barth, Philip C Jr
 Buffalo N Y
 Barton, Harold A
 Montreal, Canada
 Bashore Frank M
 Lancaster Pa
 Bauers, Robert F
 San Antonio, Texas
 Bczkiewicz Peter A
 South Bend Ind
 Bernstein Aaron D
 Brooklyn N Y
 Betts, David A
 Clear Field, Pa
 Bicher, George A Jr
 Arlington Va
 Bick, James D
 Malinta Ohio
 Bills, David L
 Gary, Ind
 Birdseye Elmer H
 Stratford, Conn
 Boatner, James G
 College Station, Texas
 Bohan, John J Jr
 Boston, Mass
 Bohen, John McG
 Glenmont, N Y
 Bradley, William J Jr
 Portland, Me
 Brantley Arnim L
 Long Leaf, La
 Briakiron Richard C
 Pittsburgh Pa
 Brett James S
 Santa Barbara Calif
 Bretzke Lou E
 Santa Ana, Calif
 Brian Patrick M
 New Brunswick N J
 Brown, John F Jr
 Lakeport, N H
 Brown, Norman J
 Philadelphia Pa
 Bryant Charles B
 Dallas Texas
 Buck Richard J
 Allentown Pa
 Buckstead John W
 Centerville S D
 Buffington Lewis C Jr
 Elizabethville Pa
 Byers, John R
 Lafayette, Ind
 Cam James W
 Raleigh N C
 Canham Charles D W 2d
 New York N Y
 Carlson, Gerald J
 Marquette, Mich
 Carroll, David A
 West Point N Y
 Carter, David G
 Westerly, R I
 Casbon, Lewis M
 Valparaiso Ind
 Chacon, Jose A
 Penasco N M
 Chandler, Don F
 Eau Claire Wis
 Chapman Robert W
 Paterson N J
 Charney, Theodore J
 Kingston Pa
 Check, James A
 Stevens Point Wis
 Clarke, Joseph W 2d
 Philadelphia Pa
 Clay, Ryburn G Jr
 Atlanta Ga
 Clemons Joseph G Jr
 Baltimore Md
 Cocke, Clyde Jr
 Roanoke Va
 Collins, Matthews McC
 Louisville, Ky
 Conti Julius R Jr
 Monessen, Pa
 Cook Peyton E
 Dayton Ohio
 Cooper Ralph
 New Bedford Mass
 Cooper, Roland E
 South Bend Ind
 Corrigan Patrick J
 Columbus, Ohio

DIRECTORY OF CADETS, Second Class--Continued

- Cortner, Sanders A., Jr.
Courtland, Ala.
- Costanzo, Albert C.
Lewis Run, Pa.
- Coughlin, Paul A.
Houston, Texas
- Cousins, John H.
Fairmont, W. Va.
- Cox, Jimmie S.
Doddsville, Miss.
- Craig, Francis W.
Raleigh, N. C.
- Craigie, John H.
Dayton, Ohio
- Croan, John W.
Neesho, Mo.
- Crocco, Joseph P.
New York, N. Y.
- Crocker, Lawrence P.
Salt Lake City, Utah
- Crouch, William E., Jr.
Laurel, Del.
- Crowe, Charles A.
Gurdon, Ark.
- Crowe, J. G.
Washington, D. C.
- Cunningham, John W.
Iowa City, Iowa
- Cuny, Philip A.
Washington, D. C.
- Custis, Arthur B., Jr.
Flagstaff, Ariz.
- Cuthbertson, William H.
Frogmore, La.
- Daigh, John D.
Dallas, Texas
- Danforth, Gordon E.
Greenhills, Ohio
- Davis, Michael McQ.
San Antonio, Texas
- Dawson, Richard B.
Linwood, Neb.
- Dean, Allen M. R.
New York, N. Y.
- Delano, Anthony J.
Saugatuck, Conn.
- Denman, Frederick L.
Everett, Wash.
- Depew, William L.
Pomona, Calif.
- De Ramus, Thomas B., Jr.
Verbena, Ala.
- Derrick, John T.
Brookline, Mass.
- Des Islets, John C. M.
San Francisco, Calif.
- Detar, David D., Jr.
Bechtelsville, Pa.
- Dickens, Samuel T.
Tucuman, Arg.
- Dickson, Gerald E., Jr.
Hampshire, Ill.
- Dingman, Richard G.
Norfolk, Va.
- Doerflinger, Otto C., Jr.
Dunkirk, N. Y.
- Dombrowsky, Albert J., Jr.
Long Island, N. Y.
- Dorton, John J.
Jersey City, N. J.
- Dosh, Laurance C.
Ocala, Fla.
- Doty, Kie O., Jr.
Richmond, Ky.
- Doyal, Juan P.
Anasco, P. R.
- Dozier, Wayne M.
Taylorsville, Ill.
- Duke, Lee F.
Neptune, N. J.
- Dunlap, Norman E.
Elmonte, Calif.
- Edler, William C.
Plymouth, Wis.
- Ellis, Billy J.
De Quincy, La.
- Elmblad, Bruce E.
Lansie, Mich.
- Eppley, Lawrence L., Jr.
Leftsdale, Pa.
- Esser, Alan C.
Aurora, Ill.
- Evans, Henry C., Jr.
Baltimore, Md.
- Ewing, Charles B., Jr.
Detroit, Mich.
- Fant, Joseph L., 3d
Columbus, Miss.
- Farrington, William D.
Franklin, Mass.
- Filchak, George C.
South Bend, Ind.
- Fischl, Frank R., Jr.
Allentown, Pa.
- Fitch, Robert E.
Wenatchee, Wash.
- Flanagan, Robert W.
Peabody, Mass.
- Fleming, Joseph V.
Staten Island, N. Y.
- Foldberg, John D.
Dallas, Texas
- Forrest, Frank R.
Stratford, Okla.
- Forrester, Redmond V., Jr.
West Point, Ga.
- Foss, Peter J.
Litchfield, Minn.
- Foster, John B.
Atlanta, Ga.
- Foster, Thomas G., 3d
Burlingame, Calif.
- Frick, Alan A.
Mt. Vernon, Ill.
- Galligan, Hugh S.
New York, N. Y.
- Galloway, Charles L.
Bristol, Tenn.
- Gardes, George H.
Arlington, Va.
- Gardiner, John H.
Lebanon, Pa.
- Gilbertson, Rodney B.
Walla Walla, Wash.
- Gildart, Charles R., Jr.
Fort Brooke, P. R.
- Giordano, Bruno A.
Bronx, N. Y.
- Givens, William L., 2d
Cleveland, Tenn.
- Gividen, George M.
Louisville, Ky.
- Gladin, Harold W.
Sandersville, Ga.
- Glossbrenner, John L.
Price, Texas
- Goodnow, Chandler
Keene, N. H.
- Gordon, John B., Jr.
New York, N. Y.
- Gorski, Adam A., Jr.
Eric, Pa.

DIRECTORY OF CADETS, Second Class—Continued

- Graham, John A., 3d
West Point, N. Y.
- Graham, Seldon B., Jr.
Denton, Texas
- Granger, Clinton E., Jr.
Champaign, Ill.
- Grantcher, John W.
San Francisco, Calif.
- Grant, Myles S.
New York, N. Y.
- Griesinger, Theodore W., Jr.
Penn Yan, N. Y.
- Grugin, William E.
Frankfort, Ky.
- Guidroz, Richard P.
Houma, La.
- Guild, Samuel M., Jr.
Bradenton, Fla.
- Guyer, James T.
Washington, D. C.
- Gwynn, Philip H.
Linthicum Heigh, Md.
- Haggren, Richard A.
Lynbrook, N. Y.
- Hall, Gaylord L.
Santa Rosa, Calif.
- Hamilton, Frank E.
Monroe, Wis.
- Hampton, Frederick J.
Gainesville, Fla.
- Handy, Eben N., Jr.
Sanford, Fla.
- Hardesty, George D., Jr.
New Bern, N. C.
- Harman, George L.
Stirling, N. J.
- Harmon, Daniel M.
Noel, Mo.
- Harris, Richard L.
Pittsburgh, Pa.
- Harriss, Barry McK.
Jacksonville, Fla.
- Harrold, Thomas U.
Alexandria, Va.
- Hart, Henry G.
De Funiak Springs, Fla.
- Hartnett, Edward P., 3d
Buffalo, N. Y.
- Hastings, Thomas H.
Lorain, Ohio
- Haumersen, John P.
Racine, Wis.
- Headlee, Harold E.
Greensboro, Pa.
- Hechinger, Robert M.
Chicago, Ill.
- Hemmier, John V., Jr.
Carlsbad, N. M.
- Hemphill, John A.
Boise, Idaho
- Hendricks, Gerald K.
Dufur, Ore.
- Henney, Frederic A., Jr.
Miami, Fla.
- Herring, Kenneth G.
Big Spring, Texas
- Herte, Roy J., Jr.
Bellerose, L. I., N. Y.
- Hill, John P.
Fort Wayne, Ind.
- Hilty, Paul R., Jr.
Kenton, Ohio
- Hinton, John, Jr.
New York, N. Y.
- Hirsch, Thomas MacL.
Stockton, Calif.
- Hite, Kenneth F.
Earth, Texas
- Hodgkins, Franklin H.
Reading, Pa.
- Holman, Jonathan L., Jr.
Washington, D. C.
- Hook, John F.
Union City, Ind.
- Hook, John R.
Baltimore, Md.
- Horgan, Thomas B.
Rehoboth, Mass.
- Howes, Robert A.
Meriden, Conn.
- Huff, David W.
Jasonville, Ind.
- Hunt, Allen P., Jr.
Elberton, Ga.
- Hutchinson, Joseph W., Jr.
Silas, Ala.
- Hutson, John C.
Atlanta, Ga.
- Hyatt, Robert
Takoma Park, Md.
- Ingram, Jerry S.
Muskogee, Okla.
- Irving, Frederick F.
Washington, D. C.
- Isaac, Robert M.
Colorado Spring, Colo.
- Jacobs, Robert L.
New Bern, N. C.
- Jacobs, Saul A.
Brooklyn, N. Y.
- James, Thomas Z.
Pocahontas, Ark.
- Janssen, Robert P.
Winner, S. D.
- Jeans, Harley E.
Joplin, Mo.
- Jester, Guy E., Jr.
East Weare, N. H.
- Jimenez, Diego A.
Buenos Aires, Arg.
- Johnson, Dean De L.
Cushing, Okla.
- Johnson, Harlan W.
Chicago, Ill.
- Johnson, Kermit D.
Minneapolis, Minn.
- Johnson, Loyd M.
Brookport, Ill.
- Johnson, Maynard B.
Los Angeles, Calif.
- Johnson, Robert L.
Huntsville, Ill.
- Johnson, Roger F.
Springfield, Mass.
- Johnson, Russell L.
St. Paul, Minn.
- Johnson, Walter H.
Humboldt, S. D.
- Johnston, Verle La F.
Chicago, Ill.
- Jones, Lincoln G.
Washington, D. C.
- Jorstad, Norman D.
Newark, Ill.
- Kane, David A.
Paris, Ark.
- Kasun, Donald J.
Wheeling, W. Va.
- Keeley, James A.
Honolulu, T. H.
- Keesling, Earl L.
Anderson, Ind.

DIRECTORY OF CADETS, Second Class--Continued

Kelly, Lawrence M.
 New York, N. Y.
 Kintz, James E.
 Ft. Amador, C. Z.
 Klein, Walter A.
 Teaneck, N. J.
 Knapp, Charles I.
 Wilkes Barre, Pa.
 Knight, Albert R., Jr.
 Mansfield, Mass.
 Knittle, Joseph W., Jr.
 Denver, Colo.
 Kovalsky, Michael
 Windber, Pa.
 Krupinsky, Marvin J.
 Springfield, Vt.
 Kuhn, Peter R.
 Pittsburgh, Pa.
 Lackman, William F., Jr.
 New York, N. Y.
 La Fleur, Joseph D., Jr.
 Ville Platte, La.
 Landry, Barney McC., Jr.
 New Orleans, La.
 Larsen, Larry J.
 Albert Lea, Minn.
 Leehy, Donald J., Jr.
 Harrison, N. Y.
 Leffler, John J.
 Shamokin, Pa.
 Lemnitzer, William L.
 Washington, D. C.
 Lerner, Robert
 Saybrook, Conn.
 Lewis, John B.
 Lake Village, Ark.
 Leshon, David E.
 Philadelphia, Pa.
 Lichtenberg, Alan A.
 Brooklyn, N. Y.
 Lins, Robert B.
 Buffalo, N. Y.
 Lombard, Harry W.
 Washington, D. C.
 Long, Ledyard, Jr.
 Freeport, Ill.
 Louisell, William C., Jr.
 Staunton, Va.
 Lowerre, James M.
 Rome, N. Y.
 Luger, Joseph A.
 St. Paul, Minn.
 Lukert, Edward F., Jr.
 San Francisco, Calif.
 Lutterloh, Samuel A.
 Fayetteville, N. C.
 Lynch, Patrick H.
 Butte, Mont.
 Macklin, Robert E.
 San Francisco, Calif.
 Magill, William F., 2d
 Washington, D. C.
 Magsino, Florencio F.
 Sariaya, P. I.
 Malouche, William A.
 Forest Hills, N. Y.
 Markham, Edward M., 3d
 Alexandria, Va.
 Marsh, Harold G.
 Summit, Ark.
 Martin, Jack W.
 Ft. Lauderdale, Fla.
 Martin, Louis B.
 Monroe, N. Y.
 Massenburg, Robert L.
 McKeesport, Pa.

Matney, Edward E.
 Danville, Va.
 Matthews, Peter
 Philadelphia, Pa.
 Maynard, Anthony W., Jr.
 St. Petersburg, Fla.
 McChristian, Glenn E.
 Fayetteville, Ark.
 McClure, Richard C.
 Atlantic City, N. J.
 McCray, Neil O.
 Jamestown, N. Y.
 McCrum, Lynn M.
 Long Beach, Calif.
 McCullough, Richard R.
 Arlington, Va.
 McDonald, James W.
 Long Island, N. Y.
 McDonald, Robert F.
 West Helena, Ark.
 McGann, Donald A.
 New York, N. Y.
 McIlwain, Robert H.
 Toledo, Ohio
 McIntosh, Charles G.
 Walkersville, W. Va.
 McLean, Charles B., Jr.
 Fuquay Springs, N. C.
 McLean, Richard P.
 Fort Myers, Va.
 McMullen, Thomas H.
 Kelly A. F. B., Texas
 Meighen, George A.
 Pittsburgh, Pa.
 Mena, Carlos F.
 San Jose, Costa Rica
 Meyer, Edward C.
 St. Mary's, Pa.
 Michael, Louis G., Jr.
 Washington, D. C.
 Michel, Rex D.
 Marble Falls, Texas
 Milam, Ronald H.
 Tulsa, Okla.
 Milburn, Robert W.
 Washington, D. C.
 Miller, Fred R.
 New Haven, Conn.
 Miller, Paul R.
 Okeana, Ohio
 Miller, Stuart L.
 Portland, Me.
 Miller, Walter B., Jr.
 Cleveland, Ohio
 Miller, Wayne D.
 Newburgh, N. Y.
 Milliman, Dain W., Jr.
 Birmingham, Mich.
 Mintz, Lawrence L.
 Roxbury, Mass.
 Moffat, John L.
 St. Petersburg, Fla.
 Monsos, William S.
 Great Falls, Mont.
 Moretti, William G., Jr.
 Chicago, Ill.
 Morgan, Newton B., Jr.
 Cookeville, Tenn.
 Moroney, John J., Jr.
 Bronx, N. Y.
 Mueller, Edward J., Jr.
 Sheboygan, Wis.
 Mulder, Dean D.
 Logan, Kans.
 Mullens, Frank A.
 Omaha, Neb.

DICTIONARY OF CAPTAINS Second Class *Continued*

Myers, Daniel J
North Tazewell Va

Nance Edwin I, Jr
Shelbyville, Tenn

Neidringhaus, Paul E, Jr
Wynnewood, Pa

Niemann Robert F
New Ulm Minn

Nist, Cecil W Jr
Arlington, Va

Norton, Alfred D
Greeneville Tenn

Norton Donald J
Long Island N Y

Noivell John Bernard, Jr
Philadelphia Pa

Oddersdal, Thomas C Jr
New Orleans La

O'Keefe, Desmond Jr
Mitchell A F B, N Y

Olson Robert E
Columbus Ga

O'Neill James C
Univ Heights, Ohio

Orlikoff, Robert
Passaic, N J

Orton George W
Fulton Ark

Osborn, John R
Lawrenceville Ill

Otten, Henry C
Lewistown, Mont

Owens Garland L
Marble Ark

Owens William G, Jr
Dahlonega, Ga

Paikins Everett S
Ottawa Ill

Parks, Norton L
Springfield, Ill

Partain Edward A
Paragould Ark

Pattillo Hugh H
Hartselle, Ala

Pazderka Robert J
Omaha, Neb

Peckham Howard L Jr
New York N Y

Peifer Donald D
Greenbelt Md

Peixotto, Ernest D
Washington D C

Peloquin Edward A
Dover N H

Peltz Karl W
Baltimore Md

Pendleton Elmer D Jr
Kansas City Mo

Penny Frank G
Bronx N Y

Perry Richard A
San Francisco Calif

Peter Edward C 2d
Miami Fla

Philips Charles D
New York, N Y

Phillips James H Jr
New York N Y

Phillips Walter C Jr
St Albans W Va

Picado Teodoro L, Jr
Managua D M Nica

Pinkel Leland C
Collinsville, Ill

Pitts James R
Arlington, Va

Post, Leo F Jr
Houston, Texas

Powell, Johnny C
Eupora, Miss

Prchn, Robert A
Leavenworth, Kans

Price, Jack L
St Charles, Va

Prince, Edward R, Jr
McDade, La

Prsthas George P
Detroit, Mich

Pursley Charles C
San Antonio, Texas

Quinn, William M
Philadelphia, Pa

Rachek, Robert A
Jamaica, N Y

Rawlings, Joseph W
Joelton, Tenn

Reed, Irving B
Badin N C

Reed, Philip N
Heber Springs Ark

Reeve, Gerald S
Oshkosh, Wis

Reichard, Correa G
Santurce P R

Reid, George McK Jr
Mt Hope W Va

Remson, Andrew C Jr
Talladega, Ala

Rice Joseph P
Birmingham Ala

Richardson, William L Jr
Arlington, Va

Richardson, William R
Augusta Ga

Riley, Kenneth V, Jr
Denver Colo

Ring, Delmar L
Lake City, Minn

Ritchie, John
Los Angeles, Calif

Ritter, George G
Harrisburg, Pa

Roberge, Ronald A
Worcester Mass

Robertson Bruce H
Long Island N Y

Robinson Lew S
San Angelo, Texas

Robinson, Roscoe, Jr
St Louis, Mo

Rockwell, Frederick G, Jr
Alexandria, Va

Rockwell James M
Rochester, N Y

Rogers David E
Longview, Texas

Rogers, Ronald J
Detroit, Mich

Roloff Donald H
Kaukauna Wis

Rose Ernest G
Long Island N Y

Ross John L
Buchanan, Mich

Roth, Herbert, Jr
Chicago, Ill

Rupp Christian F, 3d
Steelton, Pa

Russell Walter B Jr
Miami, Fla

Ryan Richard L
Zanesville, Ohio

DIRECTORY OF CADETS, Second Class... *Continued*

Ryan, William J.
Paducah, Ky.

Samotis, John A.
Jamesport, N. Y.

Samuelson, Derrick W.
Albert Lea, Minn.

Sargent, Raymond F., Jr.
Somerville, N. J.

Sartin, Freddie G.
Mobile, Ala.

Satuloff, Charles J.
Brooklyn, N. Y.

Scalise, Serafino A.
Ft. Belvoir, Va.

Scheider, Max B.
Toledo, Ohio

Schenerlein, George P.
Long Island, N. Y.

Scheumann, William F., Jr.
Buzzards Bay, Mass.

Schlatter, David M., Jr.
Washington, D. C.

Schooley, William W., Jr.
Nameoki, Ill.

Schuman, Joseph F.
Chicago, Ill.

Schwartz, Donald R.
St. Louis, Mo.

Schwarz, Richard A.
Boise, Idaho

Schweizer, John E.
Washburn, N. D.

Scott, Stanley S.
Yonkers, N. Y.

Scruggs, Seth W.
Travelers Rest, S. C.

Semmens, James R.
Tillamook, Ore.

Shapiro, Leonard P.
Nashua, N. H.

Sharp, Daniel G.
Boise, Idaho

Sheridan, Donald T.
Cleveland, Ohio

Sheridan, Philip
Indianapolis, Ind.

Sheridan, Stanley R.
Los Angeles, Calif.

Sheriff, Francis J.
N. Grosvenor Dal., Conn.

Sherman, Aaron
Minneapolis, Minn.

Shibata, George
Gariand, Utah

Shillingburg, John E.
Lamesa, Texas

Shine, John W.
New Albany, Ind.

Shultz, Harold D.
Huntington, Ind.

Simpson, Michael J., Jr.
Montgomery, Ala.

Simpson, Robert I., Jr.
Arlington, Va.

Sines, Guerdon S.
Guadala Jalisco, Mex.

Sisson, Frank E., 2d
Woodshole, Mass.

Sites, Joseph L.
Gladstone, Va.

Smith, Donald L.
New Smyrna Beach, Fla.

Smith, Gorman C.
Durant, Okla.

Smith, Joseph St. C.
Fort Pierce, Fla.

Snyder, Howard W.
Quakertown, Pa.

Snyder, Melvin C., Jr.
Kingwood, W. Va.

Snyder, Robert W.
Crawfordville, Ind.

Spence, William, Jr.
San Antonio, Texas

Sprague, Carleton K.
Bangor, Me.

Stahl, John J., Jr.
Glen Ridge, N. J.

Stannard, George W.
Williston, N. D.

Starrett, John P.
Trenton, N. J.

Steele, Howard M., Jr.
New Britain, Conn.

Steidl, Walter R.
Paris, Ill.

Steiger, Wallace C., Jr.
Philadelphia, Pa.

Stephenson, Floyd G.
Columbus, Ga.

St. Mary, Francis A.
Rutland, Vt.

Stockdale, William K.
Rock Island, Ill.

Storck, Louis J.
Swarthmore, Pa.

Strecaldorf, John H.
Cranston, R. I.

Stumm, Thomas A.
La Grange, Ill.

Summers, Paul D., Jr.
Rockville, Md.

Sundlie, George A.
Salem, Ore.

Szymczyk, Richard A.
Buffalo, N. Y.

Tague, Duane R.
Terre Haute, Ind.

Tatum, John M., Jr.
Bamberg, S. C.

Tausch, Roland D.
La Porte, Texas

Taylor, Everette
Winfield, Ala.

Tennant, Brandt B.
Tacoma, Wash.

Thomas, Edgar C., Jr.
Landsdowne, Pa.

Thomas, William N.
Indiantown Gap, Texas

Thompson, Dudley
Jefferson City, Mo.

Thorsen, Peter L.
Milwaukee, Wis.

Toole, Raymond L., Jr.
Wilkes Barre, Pa.

Torseth, Lowell E.
Bay City, Wis.

Umetead, Stauley M., Jr.
Denver, Colo.

Vandenberg, Hoyt S., Jr.
Fort Meyer, Va.

Vandenberg, William E.
South Holland, Ill.

Van Keuren, Edwin, Jr.
Bethlehem, Pa.

Van Matre, Donald A.
Watseka, Ill.

Vellella, Frank P.
Cleveland, Ohio

Vetort, Herman J.
Stephenson, Mich.

DIRECTORY OF CADETS, Second Class—Continued

Veurink, William J. Grant, Mich.	Wells, Richard M. Norwalk, Conn.
Villaret, Gustave Washington, D. C.	Weyand, Alexander M. Cornwall-on-Hudson, N. Y.
Vincent, Robert De W. Bogota, Colombia	Wiles, Howard O., Jr. Lexington, Ky.
Volk, Robert H. Wheaton Hills, Md.	Williams, Howard C. N. Los Angeles, Calif.
Wainer, Douglas F. Norwalk, Conn.	Williams, Thomas H. West View, Ohio
Waldman, Francis J., Jr. Staten Island, N. Y.	Willis, Edward M. Holtville, Calif.
Walker, Charles J. Colebrook, N. H.	Wilson, Franklin L. Asheville, Ohio
Walker, Frank E., Jr. Waycross, Ga.	Winfield, Francis E. West Haven, Conn.
Wallens, Charles N. Appletton, Wis.	Winner, Francis L. Denison, Iowa
Walthour, Russell F. Birmingham, Ala.	Witmer, Charles R., Jr. Sellersville, Pa.
Wanko, Thomas J., Jr. Monessen, Pa.	Woodley, Thomas R. Detroit, Mich.
Ward, Johnny D. Batesville, Ark.	Woodson, William B. Washington, D. C.
Wardrop, Daniel H. Mr. Pleasant, Mich.	Yerks, Robert G. Ossining, N. Y.
Wasson, John R. Dublin, Ind.	Young, James R., Jr. Brooklyn, N. Y.
Watacy, Stephen South River, N. J.	Zurawski, Donald D. Milwaukee, Wis.
Webber, Absalom T., Jr. New Orleans, La.	Zuver, Edward L. Ft. George Meade, Md.
Welch, Robert E. West Lebanon, N. H.	Zwerling, Bernard New York, N. Y.

THIRD CLASS

Ackerson, Robert L. Santa Barbara, Calif.	Baker, Richard J. Barnesville, Ga.
Adler, Richard F. Yonkers, N. Y.	Baldner, John L. Xenia, Ohio
Ahearn, David C. Winthrop, Mass.	Bara, Raymond M. South River, N. J.
Aker, John R. Hankinson, N. D.	Barkley, George F. Grand Rapids, Mich.
Alderman, Craig, Jr. Sewanee, Tenn.	Bart, John F. Springfield, Ill.
Aldredge, James H., Jr. Atlanta, Ga.	Bartel, George B. Cuyahoga Falls, Ohio
Allen, Frank A., 3d Washington, D. C.	Barton, Donald W. Poplar Bluff, Mo.
Allen, Terry De La M. El Paso, Texas	Beard, Bruce R. Washington, D. C.
Aquinas, Michael J. Brooklyn, N. Y.	Beasley, James M. Calhoun City, Miss.
Armstrong, James E. Winnboro, S. C.	Beasley, Lewis E. Lamar, S. C.
Arnold, Harvey L., Jr. Washington, Ga.	Beck, Donald A. La Junta, Colo.
Asensio, Manuel J., Jr. Alexandria, Va.	Beiser, George R. Riverside, Conn.
Ashkenaze, Bernard M. New York, N. Y.	Bell, Kermit W. Batchtown, Ill.
Ashton, Thomas W. Rochester, N. Y.	Benedict, Frank C. Denver, Colo.
Austin, Joseph C. Moundsville, W. Va.	Bergeson, Raymond O. Batavia, Ill.
Ayers, Thomas D. Birmingham, Ala.	Berry, Roy N., 2d Quincy, Mass.
Bailey, Vincent P. Long Island, N. Y.	Bethea, John D. Indianola, Miss.

DIRECTORY OF CADETS, Third Class—Continued

Biddle, Albert G. W.
Washington, D. C.

Bingham, William P.
Emporia, Kans.

Blaik, Robert McD.
West Point, N. Y.

Boettcher, Henry J., Jr.
Washington, D. C.

Bond, David C.
Eagle River, Wis.

Boone, Daniel
Fort Thomas, Ky.

Boos, Michael A.
New York, N. Y.

Bovard, John O.
Ogdensburg, N. Y.

Bowman, George W., Jr.
Greenville, Ohio

Boyer, Frank A.
Polo, Ill.

Boyles, William B.
Spokane, Wash.

Bracy, Alfred McR.
Little Rock, Ark.

Bradley, Don McL.
Blue Mound, Kans.

Bremer, James H.
Charleston, S. C.

Brewer, John F., Jr.
San Francisco, Calif.

Brewster, Vann A.
Cedartown, Ga.

Brian, Ben F., Jr.
Eunice, La.

Brisman, Jerome I.
Haverstraw, N. Y.

Britton, William G.
Jackson, N. C.

Broadbent, Carl De L.
Burlington, N. J.

Broadhurst, Hugh H., Jr.
Andalusia, Ala.

Brodzinski, Thomas T.
Chicago, Ill.

Brooks, Loren R.
New Orleans, La.

Brown, Edward A.
Salem, Mass.

Brown, Horace W.
Eldorado, Ill.

Brown, Paul J.
Fairfax, Va.

Brown, Thomas E.
Tallahassee, Fla.

Bryan, Louis C., Jr.
Sumter, S. C.

Buckley, Blair, Jr.
Hayti, Mo.

Bulger, Joseph A., Jr.
San Bernadine, Calif.

Bullock, Richard S.
Cambridge Springs, Pa.

Burciaga, Juan G.
Roswell, N. M.

Burke, Robert L.
Corning, N. Y.

Burkhard, Alfred E. S.
Albany, N. Y.

Burkheimer, Jack W.
Sac City, Iowa

Burns, Gilbert L.
White Plains, N. Y.

Butler, John D.
Rahway, N. J.

Camilli, Francis C.
San Francisco, Calif.

Campbell, James E., Jr.
Zanesville, Ohio

Cannon, John L.
Clemson, S. C.

Carabetta, Joseph S.
Brooklyn, N. Y.

Carey, Gerald J., Jr.
Brooklyn, N. Y.

Carlone, Robert A.
Brooklyn, N. Y.

Carlson, John E.
McGill, Nev.

Carpenter, Gordon D.
Silver City, N. M.

Carrithers, William B.
Fairbury, Ill.

Carroll, Kelso A., Jr.
Hines, Ill.

Carter, Henry F.
Chadbourn, N. C.

Casas, Gonzalo M.
Washington, D. C.

Casey, Keith M.
San Francisco, Calif.

Casey, Thomas P.
Montgomery, Ala.

Ceglowski, John P.
Minot, N. D.

Celce, Martin J.
Philadelphia, Pa.

Child, Paul W., Jr.
Sioux Falls, S. D.

Churchill, Louis I.
Richmond, Va.

Claybrook, John H.
Washington, D. C.

Clement, Joseph T., 2d
Charleston, S. C.

Cline, Ralph M., Jr.
Baltimore, Md.

Clough, Ronald L.
Chippewa Falls, Wis.

Coffman, King J.
La Crescenta, Calif.

Cole, Thomas F.
Beverly Hills, Calif.

Coleman, Philip D.
Tucson, Ariz.

Coleman, Richard C.
Charlotte, N. C.

Collier, Thomas W.
Washington, D. C.

Collins, Michael
Alexandria, Va.

Comstock, Keith L.
Horseheads, N. Y.

Condina, Ernest F.
Johnsonburg, Pa.

Conner, MacPherson
Ossining, N. Y.

Conway, Alfred J.
Avondale, Mo.

Cooke, Herbert J.
Cedar Rapids, Iowa

Cooke, John W., Jr.
Merigold, Miss.

Copthorne, William A., Jr.
Arsenal, Ark.

Corbridge, Leith J., Jr.
Orden, Utah

Cordell, Glenn A.
Forest Hills, N. Y.

Cotley, Robert J.
Sandusky, Ohio

Courant, Thomas E.
Saugus, Mass.

DIRECTORY OF CADETS, Third Class—Continued

- Cowan, William N., Jr.
Hickory, N. C.
- Cox, Richard C.
Mansfield, Ohio
- Craig, Malcolm E., Jr.
Laramie, Wyo.
- Craig, Robert J.
Lima, Ohio
- Craine, Robert L.
Portland, Me.
- Crehan, Alfred E.
Boston, Mass.
- Crow, James E.
Goldsboro, N. C.
- Cummings, Thompson
Pittsburgh, Pa.
- Dana, Harvey
Bakersfield, Calif.
- Danford, Howard H.
Aledo, Ill.
- Danielson, John N.
Jamestown, N. Y.
- Dannemiller, Leo M.
San Antonio, Texas
- Davis, Louis McA.
Statesville, N. C.
- Day, James O.
Marfa, Ky.
- Day, Robert E.
Philadelphia, Pa.
- De Angelis, Joseph A.
New York, N. Y.
- De Boalt, Richard F.
Massena, N. Y.
- Deiss, Herbert
Chamberlain, S. D.
- Derbes, Daniel W.
Cincinnati, Ohio
- Deverill, Arthur P., Jr.
Tarrytown, N. Y.
- Devins, Joseph H., Jr.
Great Neck, L. I., N. Y.
- De Wald, Arthur B.
Williamsport, Pa.
- Dickinson, Ronald K.
Grand Rapids, Mich.
- Dietz, George R.
Washington, D. C.
- Dietz, James J.
Jacksonville, Fla.
- Doody, Richard F.
Waynesburg, Pa.
- Dowler, Thomas W.
Athens, Ohio
- Drew, Richard E.
Highland Falls, N. Y.
- Driskill, John G.
Louisville, Ky.
- Dritt, James O.
Lakewood, Ohio
- Duerr, Michael G.
Carlisle Bks., Pa.
- Duncan, William H.
Wilmington, Del.
- Dunmire, Thomas S.
Napa County, Calif.
- Dunn, Robert H.
San Diego, Calif.
- Dupke, Carl F., Jr.
Milwaukee, Wis.
- Durie, Robert E.
San Francisco, Calif.
- Dutchyshyn, Harry V.
Little Silver, N. J.
- Eachus, David A.
San Pedro, Calif.
- Earle, Marsden P., Jr.
New York, N. Y.
- Earnest, Clyde T., Jr.
Richmond, Va.
- Eckert, Edward N.
New York, N. Y.
- Edwards, Charles A., Jr.
Placerville, Calif.
- Eisenhart, Warren H.
Culbertson, Neb.
- Elliott, Wayne H.
Coeur D'Alene, Idaho
- Ellis, Thomas N.
Long Island, N. Y.
- Elmore, Arthur C.
Morgantown, N. C.
- Erdle, Philip J.
Bethlehem, Pa.
- Erickson, Arthur Le R.
Vermillion, S. D.
- Erwine, James R.
Zanesville, Ohio
- Esian, Lawrence T.
Cleveland, Ohio
- Espey, John R.
Washington, D. C.
- Fansler, James M.
Fillmore, Calif.
- Feyrer, John W.
Wilson, N. Y.
- Fiala, Thomas F.
Howells, Neb.
- Finn, William G.
West Peabody, Mass.
- Fitzpatrick, Thomas E.
Kalamazoo, Mich.
- Flanagan, Eugene P.
Peabody, Mass.
- Foge, Eugene C.
Brooklyn, N. Y.
- Foley, John V.
Brooklyn, N. Y.
- Forkner, Frederic H.
Carthage, Tenn.
- Freeman, Robert F.
Apco, Ohio
- Garver, John B., Jr.
Strasburg, Ohio
- Garver, Ralph T.
Lake Worth, Fla.
- Geatches, William H.
Linton, Ind.
- Gerhardt, James M.
Sparta, Wis.
- Gibbs, Gerald G., Jr.
Norfolk, Va.
- Gibney, John V.
New York, N. Y.
- Gilbert, Edgar A., 3d
St. Charles, Ill.
- Gilkey, Clarence D.
Spokane, Wash.
- Girdner, Ralph W.
Puerto, Nica.
- Glasbrenner, Karl F., Jr.
Orange, Calif.
- Gleason, William P.
Washington, D. C.
- Good, Kenneth N.
San Marino, Calif.
- Gorby, Alvin R.
San Francisco, Calif.
- Gordon, William De W.
Wichita, Kans.
- Grafton, Benjamin McL., Jr.
Alexandria, La.

DIRECTORY OF CADETS, Third Class—Continued

- Gray, Donald J.
Tulsa, Okla.
- Gray, Paul A.
Phoenix, Ariz.
- Grayeb, George A., Jr.
Olean, N. Y.
- Gregg, Stanley L.
Portland, Ore.
- Gregory, Theodore O.
Ferndale, N. Y.
- Gribble, Eugene P.
New Castle, Pa.
- Griffin, Alfred C.
Dallas, Texas
- Grossman, Leland F.
Boonville, Ind.
- Guess, Carl B., Jr.
Temple, Texas
- Haas, Robert J.
Dayton, Ohio
- Hahn, Gordon M.
Clifton, N. J.
- Hains, Peter C.
Miami, Fla.
- Hall, Richard J.
Forest Lake, Minn.
- Halloran, John J.
No. Providence, R. I.
- Hamilton, Ersell C., Jr.
Hughes, Ark.
- Hamilton, Philip W., Jr.
Naxera, Va.
- Hand, Robert P.
Fortsomouth, Va.
- Hannan, Joseph A.
Flushing, L. I., N. Y.
- Hansard, David G.
Eufaula, Okla.
- Harasymowicz, Robert J.
Chicago, Ill.
- Harrington, Thomas McA.
Pittsburgh, Pa.
- Harrison, William J.
Huntington, W. Va.
- Harrison, Williams L., Jr.
Huntington, W. Va.
- Harvey, Charles V.
Tyler, Texas
- Haskell, Richard B.
Ft. Meade, Md.
- Hastings, Wallace H., Jr.
Alexandria, Va.
- Hatton, Robert E.
Waukegan, Ill.
- Hayford, Warren J., 4th
Washington, D. C.
- Hegberg, Donald E.
Tujunga, Calif.
- Henderson, Lewis J.
Gardiner, Me.
- Hendrickson, Joe D.
Independence, Kans.
- Hermann, John R., Jr.
Paso Robles, Calif.
- Hettinger, John A., Jr.
Colorado Spring, Colo.
- Hildebrand, Graham
Pasagdula, Miss.
- Hill, John G.
Madison, Wis.
- Hill, Thomas R.
Alamogordo, N. M.
- Hilmo, Orin R.
Fargo, N. D.
- Hobbs, Thomas H.
Osborn, Ohio
- Hodge, Ted H., Jr.
Bristol, Tenn.
- Hodgskin, Howell L., Jr.
Roselle, N. J.
- Hoenstine, Charles A., Jr.
Drexel Hill, Pa.
- Hogan, James D.
Columbia, S. C.
- Hoge, Daniel H., Jr.
Blocksburg, Va.
- Holden, William B.
Houlton, Me.
- Hollander, Herbert C.
Bronx, N. Y.
- Holleran, Owen C., Jr.
Washington, D. C.
- Holmes, Robert S.
Cambridge, Md.
- Holt, Winfield A.
Worcester, Mass.
- Horan, Edwin P., Jr.
Grosse Point Pk., Mich.
- Horn, William L.
El Paso, Texas
- Howard Max L.
Mishawaka, Ind.
- Howells, Chester E.
Pottsville, Pa.
- Hubbard, Samuel J.
Bakersfield, Calif.
- Hubell, Robert E.
St. Louis, Mo.
- Hulley, Robert N.
Lafayette, Ind.
- Humble, Graham L.
Monroe, La.
- Inman, Richard G.
Vincennes, Ind.
- Ireland, Orville F., Jr.
Gloucester, Mass.
- Irvin, Robert E.
Upper Sandusky, Ohio
- Ivers, James H.
East Hampton, Conn.
- Jackson, Arthur G.
Brooklyn, N. Y.
- Jackson, Carroll V.
St. Paul, Minn.
- Jaggers, Joseph N., Jr.
Britton, Okla.
- Jelen, Edward J., 2d
Haddonfield, N. J.
- Jelinek, Howard C.
Grand Island, Neb.
- Jenkins, Elmer M.
Battle Creek, Mich.
- Jess, Raymond C.
Silver Spring, Md.
- Johnson, Ernest A.
Columbus, Ohio
- Johnson, Herbert L.
Sandy, Ore.
- Johnson, Lawrence D.
Kalispell, Mont.
- Jones, Reid La M.
Farmington, Utah
- Jones, Wesley G.
Novato, Calif.
- Jordan, Joseph L.
Grangeville, Idaho
- Juvenal, Michael P.
Mobile, Ala.
- Keating, Kenneth J.
Gloucester, Mass.
- Keeley, John B.
Crosne, France

DIRECTORY OF CADETS Third Class—Continued

Keiler Ward B
Colfax Calif

Keitt, Frank X
Jersey City N J

Kelley, Robert N
Minneapolis Minn

Kelsey, Thomas L
Minneapolis, Minn

Kendall Robert R
Bellingham Wash

Kennedy John F C Jr
Willesley Hills Mass

Kidwell, Birtrun S, Jr
Arlington Va

Kiefer Homer W Jr
Et Brazz N C

Kiernan, Thomas A
New York N Y

Kimmel, J D
Tyler, Texas

Kimmel, Robert G
Topeka Kans

King Ivan W
Matland Mo

King Peter C
Utica, N Y

King Robert B
Grosse Pointe Mich

Kingsley, Glennon M, 2d
Prescott, Ariz

Kleberg Jack C
Chicago, Ill

Knaggs John C
Royal Oak Mich

Knight Daniel B Jr
DeLand Fla

Knight O'Ferrall Jr
Estacada, Ore

Knutson, Kent G
Moorhead Minn

Koenig Karl G, Jr
Albuquerque N M

Koestner Raymond F
Washington N J

Korcheck Robert L
New York N Y

Kronlund Kenneth H
Long Beach Calif

Kuick Stanley J
Midland Mich

Kutz, Gerald A
Fort Atkinson, Wis

Lamb, Richard F
Quincy Mass

Lamp, Harold R
Reynoldsburg Ohio

Landon, William D
Jerseyville Ill

Lane Edward F
Cairo Ill

Lane William H Jr
Binghamton N Y

Lang Richard N
New York, N Y

Larkin Richard X
Omaha Neb

Lash Raymond E
Reading, Pa

Lasher, Donald R
Washington, D C

Lawrence, Alfred F Jr
Mt Edgecumbe Alaska

Leach Robert W
Long Beach Calif

Lee James B
Salt Lake City Utah

Leggett, William T, Jr
Rocky Mount, N C

Lehan, James F, Jr
Jamaica Plain Mass

Lehman, Albert C
Pomona, Calif

Lennon, Leo H
Pawtucket R I

Lentz, John J
Baltimore, Md

Leonard Ralph F
Old Town Me

Lespasio, Neal A
Revere Mass

Lewis John H, 3d
Louisville, Ky

Lichtenwalter Leon E Jr
Et Benning Ga

Linkenhogor William L
Amarillo, Texas

Lockard, Kennis E, Jr
Hazard Ky

Lockett, Iandon J, 3d
Boerne Texas

Loehlein, Harold J
Kimball Minn

Loeschner, Theodore R Jr
Delmar, N Y

Lopkoff, Alexander, Jr
Greenley Colo

Lorenzen, Albert J, Jr
Hammond Ind

Lowder, Henry I
Albemarle N C

Lucas Larry R
Crowley, La

Luck Leland P
El Sobrante Calif

Ludlam, Douglas G Jr
Alexandria, Va

Luther Charles J
Austin, Texas

Luther Jay E
Johnstown Pa

Lynch James McG
San Francisco Calif

Lyon, David K
Roshindale Mass

MacGarrigle, George L Jr
Philadelphia Pa

Macik, John
McKeesport Pa

Maddocks John P
Ft Myer, Va

Mallard, Terrell B, Jr
Overton Texas

Malone Paul B, 3d
Washington D C

Maloney James W
Brooklyn, N Y

Manning Hilmar G
Richmond, Calif

Martin Arthur T
La Cross, Wis

Martin David H, Jr
Vandyke, Mich

Massenburg, James S, Jr
Raleigh N C

Mattox Reginald H
Columbia S C

Mauer John C
West Point, N Y

McAndie Jim L
Seattle, Wash

McClelland William J
San Francisco Calif

DIRECTORY OF CADETS, Third Class--Continued

McClung, Edgar B.
 Kessler, W. Va.
 McClung, Thomas J.
 Fort Lewis, Wash.
 McCoy, Richard E.
 Vancouver Wash.
 McCrindle, Robert
 Harvey, Ill.
 McCullough, George M.
 Siloam Springs, Ark.
 McCullough, Willard L.
 Long Island, N. Y.
 McDonnell, James E.
 Omaha, Neb.
 McGarry, Robert S.
 Oak Park, Ill.
 McGowan, Robert S.
 Trenton, N. J.
 McInerney, James E., Jr.
 New York, N. Y.
 McKelson, John R.
 Bronx, N. Y.
 McKnight, Clarence E., Jr.
 Memphis, Tenn.
 McLemore, John R.
 Paris, Texas
 McMahan, Daniel P.
 Long Island, N. Y.
 McQuarrie, Robert W.
 San Francisco, Calif.
 Mechtly, Ivan R., Jr.
 Bath, Pa.
 Meikle, Charles E.
 Sayre, Pa.
 Melancon, William E., Jr.
 San Francisco, Calif.
 Meyer, Henry R.
 San Francisco, Calif.
 Michel, James A.
 Saginaw, Mich.
 Mickel, Larry S.
 San Marino, Calif.
 Miller, George W.
 Winchester, Va.
 Miller, Richard J.
 Brainerd, Minn.
 Milner, John E.
 Bremerton, Wash.
 Misch, John M.
 Maplewood, Mo.
 Mitchell, Corwin A.
 Ft. Knox, Ky.
 Mitchell, William L., Jr.
 San Francisco, Calif.
 Moore, Richard D.
 Richmond, Va.
 Moore, Thomas W., Jr.
 Youngwood, Pa.
 Moore, William C.
 Memphis, Tenn.
 Morales, Oscar D.
 Arlington, Va.
 Moran, Otis A., Jr.
 Raleigh, N. C.
 Morgan, John R., Jr.
 Dayton, Ohio
 Morgan, Robert L.
 Hayward, Calif.
 Morin, Louis F.
 Chicopee, Mass.
 Morris, John J.
 Owensboro, Ky.
 Moseley, Henry G.
 Grafton, Vt.
 Mueller, James W.
 Moultrieville, S. C.
 Mueller, Robert W.
 New Hope, Pa.
 Mullane, Denis F.
 Long Island, N. Y.
 Murphy, Thomas J.
 Antigo, Wis.
 Myers, William A.
 Eagle River, Wis.
 Naber, Gerald J.
 Holland, Mich.
 Nelson, Thomas W.
 Concord, N. H.
 Niblack, Emmett A., Jr.
 Biloxi, Miss.
 Nichols, Leroy W., Jr.
 Bradenton, Fla.
 Nichols, Stephen E.
 Ft. Sill, Okla.
 Nixon, Donald A.
 Lansing, Mich.
 Norton, Raymond F.
 Beverly, Mass.
 Obach, Ronald M.
 Ridgefield Park, N. J.
 Oliphant, Marcus R.
 Bloomfield, Ind.
 Olson, John T.
 Cedar Falls, Iowa
 O'Sullivan, Warren S.
 Narberth, Pa.
 Pafford, Donald V.
 Marion, Va.
 Pahre, Elmer G.
 Newton, Iowa
 Pajares, Robert D.
 Biwabik, Minn.
 Palmer, Glenn H.
 Fort Sheridan, Ill.
 Paluh, Joseph R.
 Garfield, N. J.
 Panchisin, John E.
 South Fork, Pa.
 Paris, James P.
 Philadelphia, Pa.
 Parks, Walter G.
 Galax, Va.
 Paterson, Stewart, Jr.
 Dearborn, Mich.
 Paulick, Eugene H.
 Library, Pa.
 Pavlinski, Lawrence A.
 Milwaukee, Wis.
 Pedrick, William N.
 Richmond, Calif.
 Pelton, John De W.
 Pawling, N. Y.
 Pendleton, Freeman L.
 Parowan, Utah
 Pereyra, Jorge R.
 Callao, Peru
 Perritt, Harvey H., Jr.
 Richmond, Va.
 Peters, Arthur C., Jr.
 Cleveland Ht., Ohio
 Peters, Harold K.
 Seattle, Wash.
 Peterson, James M.
 Cincinnati, Ohio
 Pettit, James S., 2d
 New York, N. Y.
 Pfeil, Robert F.
 Anchorage, Alaska
 Phillips, Martin D.
 Lincoln, Neb.
 Pickering, Phillip B.
 Lufkin, Texas

DIRECTORY OF CADETS, Third Class—Continued

- Pickett, Dayton S.
Fresno, Calif.
- Pilk, Jack K.
Denver, Colo.
- Pimental, Frank T.
Fall River, Mass.
- Piske, David F.
Wausau, Wis.
- Pollock, Victor J.
Linfield, Pa.
- Prosacks, Henry G.
Frackville, Pa.
- Purcell, Henry, 3d
Bradenton, Fla.
- Pursell, Alfred B., Jr.
West Orange, N. J.
- Putnam, Lawrence H.
Everett, Mass.
- Quinn, John T.
New Haven, Conn.
- Raiford, William R.
Thomasville, Ga.
- Rainey, Charles N.
Guymon, Okla.
- Rajchel, Louis J., Jr.
Milwaukee, Wis.
- Ralph, John E.
Bucyrus, Ohio
- Ray, Richard B.
Baltimore, Md.
- Reaves, James B.
Oklahoma City, Okla.
- Reeder, Franklin L.
Tifton, Ga.
- Reeves, James H.
Birmingham, Ala.
- Rehm, Thomas A.
New York, N. Y.
- Reilly, William F.
Greybull, Wyo.
- Reinhalter, Edmund J.
Quincy, Mass.
- Relyea, George R.
Highland, N. Y.
- Rentschler, Russel R.
Hamburg, Pa.
- Rhiddlehoover, Loyd P., Jr.
Hot Springs, Ark.
- Richards, Everett D.
San Antonio, Texas
- Richardson, Davis B.
Fayetteville, Ark.
- Richardson, Donald L.
Dallas, Texas
- Richardson, Robert B.
Bronx, N. Y.
- Rider, Graham W.
North Hollywood, Calif.
- Riley, Robert S.
West Point, Ky.
- Rimando, Lope B.
Quezon City, P. I.
- Rink, James H.
Pueblo, Colo.
- Risden, William R., Jr.
Point Pleasant, N. J.
- Ritter, William H.
Ashtabula, Ohio
- Rivera, James B.
La Paz, Bolivia
- Roberts, Harry K., Jr.
Oakland, Calif.
- Roberts, Richard J.
Shelbyville, Ky.
- Robinson, Frank E.
Dallas, Texas
- Robinson, John F.
East Orange, N. J.
- Rodriguez, James A.
Honolulu, T. H.
- Rogers, Kenneth C.
Portsmouth, Va.
- Rogers, Richard J.
Milwaukee, Wis.
- Rohr, Davis C.
New York, N. Y.
- Rollston, John P.
Webster Groves, Mo.
- Roosma, John S., Jr.
New York, N. Y.
- Roper, Harry McK., Jr.
Norfolk, Va.
- Ross, Donald H.
Wichita, Kans.
- Ross, Wilbur A.
Houston, Texas
- Rounding, Robert C.
Newton, Mass.
- Ruff, Clarence G.
Springfield, Ill.
- Rule, George L., Jr.
Los Angeles, Calif.
- Rumbough, David H.
Quarry Heights, C. Z.
- Russell, Lawrence, 3d
Harundale, Md.
- Russell, Robert L.
Pottstown, Pa.
- Russomano, Richard J.
Bloomfield, N. J.
- Rutte, Robert L.
Los Altos, Calif.
- Sadler, John W.
York, S. C.
- Santilli, Joseph F., Jr.
Hershey, Pa.
- Scalzo, Louis C.
Newton, N. J.
- Scaman, Warren A.
Berwyn, Ill.
- Schandler, Herbert Y.
Asheville, N. C.
- Schroeder, William S.
Phenix City, Ala.
- Scott, Gustavus H.
Coronado, Calif.
- Sears, Robert L.
San Francisco, Calif.
- Seaver, William J., Jr.
Philadelphia, Pa.
- Seebach, Timothy M.
Belleville, Ill.
- Selkis, John J., Jr.
Mechanicville, N. Y.
- Sell, Charles E., Jr.
Jackson Heights, N. Y.
- Selleck, Clyde A., Jr.
Alexandria, Va.
- Sells, Donald E.
Monroe, Mich.
- Senich, Donald
Cleveland, Ohio
- Sharp, William F.
San Francisco, Calif.
- Shea, Richard T., Jr.
Portsmouth, Va.
- Shelgren, Robert N.
Jamestown, N. Y.
- Shields, William L., Jr.
Stockton, Calif.
- Shipe, Scott H., Jr.
Ft. Worth, Texas

DIRECTORY OF CADETS, Third Class—Continued

Shira, Charles N.
Hamlin, Texas

Shy, John W.
Detroit, Mich.

Simmons, Raymond C.
Baltimore, Md.

Simon, Joseph S.
Coral Gables, Fla.

Simonet, Kenneth A.
Drexel Hill, Pa.

Slingerland, Douglas A.
West Orange, N. J.

Sluga, Leonard A.
Belle Valley, Ohio

Smith, David S.
Pensacola, Fla.

Smith, Frank B.
Haddon Heights, N. J.

Smith, John D.
Chicago, Ill.

Smyth, Robert T.
Atlantic City, N. J.

Snodgrass, Clyde W.
Auburn, Wash.

Snyder, William P.
Kenia, Ohio

Spaulding, Warren A.
Woodstock, Vt.

Speir, Ashley C., Jr.
Tarboro, N. C.

Speirs, Donald L.
Syracuse, N. Y.

Spell, James M., Jr.
Jackson, Miss.

Spence, James E., Jr.
Hannibal, Mo.

Spencer, William H., Jr.
Port Gibson, Miss.

Stanier, Richard E.
Pittsburgh, Pa.

Stebbins, Arthur R.
San Francisco, Calif.

Steen, Charles S., Jr.
Long Island, N. Y.

Stevens, Frederic A., Jr.
Melrose, Mass.

Stevens, James A.
Endicott, N. Y.

Stokes, Eugene J., Jr.
Brooklyn, N. Y.

Stone, Hardy R., 3d
Jackson, Miss.

Stout, Elmer E.
South River, N. J.

Stubblebine, Albert N., 3d
Camp Lee, Va.

Sullenberger, William D.
Cheyenne, Wyo.

Sullivan, James H.
Boston, Mass.

Sullivan, John J.
New York, N. Y.

Sullivan, Milton D.
Williston, Fla.

Sundt, Thoralf M., Jr.
Tucson, Ariz.

Swanson, Kermit D.
Beresford, S. D.

Swatt, Stephan W.
Liberty, N. Y.

Swygert, Donald R.
Ballentine, S. C.

Sykes, Cecil R.
Clintwood, Va.

Szymczyk, Norbert J.
Buffalo, N. Y.

Tanguy, Robert B.
Logansport, Ind.

Taylor, Arthur E., Jr.
Chicago, Ill.

Tensfeldt, Raymond J.
Cresskill, N. J.

Thieme, Alfred L.
Nashville, Kans.

Thomas, Reynold, Jr.
Burlington, N. J.

Thompson, Edmund A.
Merrick, N. Y.

Thompson, Edmund R.
Washington, D. C.

Tickle, Robert S.
Norfolk, Va.

Tipton, John H., Jr.
Covington, Tenn.

Tixier, Edward L.
Albuquerque, N. M.

Toepel, Adalbert E., Jr.
Chewelah, Wash.

Tomasetti, Louis V.
Bloomfield, N. J.

Tow, James I.
Falmouth, Mass.

Travis, Harrison G.
Atlantic Highlands, N. J.

Tronsrue, George M., Jr.
Long Prairie, Minn.

Truax, Robert H.
Ft. Worth, Texas

Turner, James J.
Fort Benning, Ga.

Turner, Robert C.
Galesburg, Ill.

Ulmer, Walter F., Jr.
Bangor, Me.

Underhill, George R.
Mt. Pulaski, Ill.

Underwood, James E.
Great Falls, Mont.

Upton, Edwin J.
Charleston, W. Va.

Urschel, Joseph J.
Toledo, Ohio

Van Trees, Harry L., Jr.
Kansas City, Mo.

Vining, Robert W.
Palestine, Texas

Vogel, Herbert D., Jr.
Balboa Heights, C. Z.

Volding, Jerry L.
Mason City, Iowa

Wagner, Harry D.
Ft. Knox, Ky.

Waldrop, William T.
Jackson, Tenn.

Walker, William A., Jr.
Rome, Italy

Wallace, Raymond E.
St. Louis, Mo.

Wallis, Charles R.
Malvern, Ark.

Walls, Thomas E.
Binghamton, N. Y.

Wallwork, James H., Jr.
Montclair, N. J.

Walter, James N.
Montgomery, Ala.

Wasiak, Joseph E., Jr.
Hempstead, I. I., N. Y.

Watkins, Charles E.
Larchmont, N. Y.

Webster, Arthur L., 2d
Lakeland, Fla.

DIRECTORY OF CADETS Third Class—*Continued*

Webster Sherman L
North Platte, Neb
Weed Mahlon G
Kansas City Kans
Wenert Donald G
Arlington Va
Welch Deane E
Meredith, N H
Wells, Robert N Jr
Cumberland Ky
Wensyel James W
Bridgeport Ohio
Wessendorf, Walter F, Jr
Gloversville N Y
West Henry M
San Francisco Calif
Wetzel, Robert L
Clarksburg W Va
Weyhrich Richard J
Santa Ana, Calif
Wheeler, Robert J
Union City Tenn
Whipple Deryle T
Perry, Ga
White, Edward H, 2d
San Francisco, Calif
White, Wayne N
McAlester, Okla
Wiggins, James R
Longmont Colo
Wiles, Richard I
Concord, Calif
Williams, Lewis A
Albany, Ga
Williamson Donald N
Huntington, W Va
Willis, Robert S
Vista, Calif
Wilson, Alvin T Jr
Highland Falls N Y
Wilson Drake
Kingston, R I
Wilson, Harry S Jr
Brooklyn, N Y
Wilt Harry H
Ligonier, Pa
Winger, Robert C
Kansas City Mo
Winne, Clinton H, Jr
Troy, N Y
Witherell, John R
Rochester, N H
Withers, Peter C
San Francisco, Calif
Wohl, Martin
Washington D C
Woytla Henry L
Chicago, Ill
Woltersdorf, Karl A Jr
Huntsville, Ala
Woodruff Rollin S
Portland Ore
Woodward, James W Jr
Beacon Falls, Conn
Woodward Robert D
Miami, Fla
Wright, Robert E
Ogden, Utah
Wuthrich Edward E
Wharton Texas
Yarbrough Charles V
El Paso Texas
Yocum Charles W
Bristol Pa
Young Melvin A
University City Mo
Young Roy A
Brackenridge Pa
Youree Charles D Jr
Murfreesboro Tenn
Zaigler, Lewis R
Lustie Pa
Zellem Steve
New Castle Pa

FOURTH CLASS

Aakhus, Charles K
Bemidji Minn
Ackerman, Arthur H
West Haven, Conn
Ades, LeRoy P
Paskenta, Calif
Agather Frederic G
Ellsworth, Minn
Albert, Robert J
East St Louis Ill
Alch, Wayne F
St Louis Mo
Alexander, Robert L
Greenville Tenn
Allen, John H
Indianola, Iowa
Allen Neyland F Jr
Fort Worth, Texas
Anderson, Thomas F
Wilcox, Pa
Andrews Edward P
Cocoa, Fla
Andrews, Lewis S 3d
Cocoa, Fla
Angstadt John P
Reading, Pa
Appleton James L Jr
Miami, Fla
Araskog Randolph V
Fergus Falls, Minn
Arduna Arthur A
New York, N Y
Armstrong, William E
Palo Alto, Calif
Arnhyrn Rolfe G
San Diego, Calif
Ayers, Robert E
Bradenton, Fla
Baggerly, John T Jr
Danville, Va
Baise, William W
Raleigh, N C
Baker Russell A, Jr
Arlington, Va
Baldwin, Howard E
Hamilton, Ohio
Bambery James R
Portland Ore
Barkley, Stanley M
Bloomfield, Ind
Barrett, Sam B
Montgomery, Ala

DIRECTORY OF CADETS, Fourth Class—Continued

- Erickson, Jack L.
St. Charles, Ill.
- Erskine, Joseph H.
Lowellville, Ohio
- Estes, Calvin G.
Birmingham, Mich.
- Eubanks, James A.
Washington, Ind.
- Faust, Elden Q., Jr.
Philadelphia, Pa.
- Feldman, Marvin J.
Los Angeles, Calif.
- Feore, Patrick L., Jr.
South Bend, Ind.
- Fernandez, Robert N.
Honolulu, T. H.
- Fiala, Charles J.
Howells, Neb.
- Filaseta, Bartholomew M.
Bethlehem, Pa.
- Filipski, Eugene C.
Washington, D. C.
- Fio Rito, William A.
Buffalo, N. Y.
- Fischer, Richard F.
Havana, Fla.
- Fisher, Samuel H., Jr.
Melrose, Fla.
- Fitch, John B.
New York, N. Y.
- Fitzsimmons, Eugene L.
Harlem, Mont.
- Flather, Richard W.
Nashua, N. H.
- Flertzheim, Henry A., Jr.
Milwaukee, Wis.
- Flick, William
Arlington, Texas
- Floyd, Paul E.
Heflin, Ala.
- Foss, Laurence S.
Menlo Park, Calif.
- Foster, Delwyn D.
Millington, Mich.
- Fowler, Roy
Newport, R. I.
- Francis, Donald R.
Kansas City, Mo.
- Freeman, Jerry P., Jr.
Cumberland, Ky.
- Freimark, Gaillard A.
Toledo, Ohio
- French, Rodney, M.
Baltimore, Md.
- Friedersdorff, Louis C., Jr.
Ft. Worth, Texas
- Friesen, Herbert E.
Colorado Spring, Colo.
- Fuller, Elbert E., Jr.
Oxford, N. C.
- Fuqua, Donald G.
Little Rock, Ark.
- Garcy, George F.
North East, Md.
- Gartzell, Harold E.
Weatherford, Okla.
- Gay, Francis V.
Prescott, Ariz.
- Geer, Richard P.
Cleveland, Ohio
- George, William F.
Bluefield, W. Va.
- Gillespie, Wallace D.
Tooele, Utah
- Gilmartin, Frederick G., Jr.
Brooklyn, N. Y.
- Gilster, Herman L.
New York, N. Y.
- Glasgow, Robert E.
Washington, D. C.
- Glauner, Frederick W.
Topeka, Kans.
- Glenn, John S.
Huntington, Ind.
- Goetz, Jerry L.
San Leandro, Calif.
- Gonzalez, Artigas R. D.
Quito, Ecuador
- Graham, Earl G.
Redlands, Calif.
- Graham, Hugh D.
Beardsley, Minn.
- Grant, Harold L.
San Francisco, Calif.
- Gray, Lee B.
Lyndonville, Vt.
- Greer, Ralph S.
Columbus, Ohio
- Gridley, Craig W.
Detroit, Mich.
- Groshans, Russell G.
Santa Ana, Calif.
- Gross, Robert H.
Detroit, Mich.
- Grubbs, Haydon Y., Jr.
San Francisco, Calif.
- Grum, Allen F., Jr.
San Antonio, Texas
- Guardino, James
Watertown, N. Y.
- Haas, George A., Jr.
Mobile, Ala.
- Hall, Hugh J., Jr.
Winchester, Va.
- Hall, John C.
Chicago, Ill.
- Hall, Lester L.
Phoenix, Ariz.
- Halterman, Harry W., Jr.
Woodbury, N. J.
- Hamilla, Donald J.
Allentown, Pa.
- Hammond, Carl L.
Sulphur Springs, Texas
- Hammond, John C.
Hopkinsville, Ky.
- Hansen, Otto C. S.
Fort Dodge, Iowa
- Hanson, Charles B.
Morris, Minn.
- Hardy, Bruce B.
Williamsburg, Va.
- Harmon, John R.
Mitchell, S. D.
- Harris, James H.
Sweetwater, Tenn.
- Harris, William H.
Chambersburg, Pa.
- Hart, Gerald E.
Brooklyn, N. Y.
- Haskell, John H. F., Jr.
New York, N. Y.
- Hayes, Alvin L.
Hartford, Conn.
- Hayes, Marion O.
Nashville, Tenn.
- Hazlebeck, John B.
Portsmouth, Ohio
- Hazlett, Howard, 3d
Fort Bragg, N. C.
- Heed, Joseph J., Jr.
Garden City, L. I., N. Y.

DIRECTORY OF CADETS, Fourth Class—Continued

- Keiberg, Elvin R., 8d
 West Point, N. Y.
 Heitzke, Kenneth S.
 Green Bay, Wis.
 Henderson, Walter T. C.
 Alexandria, Va.
 Herman, Peter L.
 Rochester, N. Y.
 Hess, Robert W.
 Michigan City, Ind.
 Hickey, Ralph E.
 Covington, La.
 Hilley, William W.
 Athens, Ga.
 Hoffman, Thomas
 Minneapolis, Minn.
 Hogan, John E.
 Fort Thomas, Ky.
 Hogg, James W.
 Oxford, Pa.
 Holcombe, Thomas W.
 Mount Vernon, Va.
 Holman, Carson E. R.
 New Bloomfield, Pa.
 Horner, David Du B.
 Clarksburg, W. Va.
 Horton, William D., Jr.
 Clintonville, Wis.
 Horwedel, Alan T.
 Berea, Ohio
 Hosmer, William J.
 Dunseith, N. D.
 Hove, James G.
 Missoula, Mont.
 Hoy, Richard P.
 Vermillion, S. D.
 Hoyt, Francis R.
 Litchfield, Conn.
 Hughes, Bernard C.
 Washington, D. C.
 Hughes, John W.
 West Pittston, Pa.
 Hurless, Bernard F., Jr.
 Carlisle Barracks, Pa.
 Hutchinson, Cary B., Jr.
 Arlington, Va.
 Iacobucci, Frank A.
 Cincinnati, Ohio
 Jackonis, William N.
 Gary, Ind.
 Jackson, Clay B.
 New Orleans, La.
 Jackson, James L.
 Abingdon, Ill.
 Jacobs, Donald J.
 Petersburg, Va.
 Jamieson, John F.
 Newark, N. J.
 Jefferson, William J.
 Hot Springs, Ark.
 Jenks, Charles R., Jr.
 Grosse Point, Mich.
 Jessee, William T.
 San Antonio, Texas
 Jewell, William M., Jr.
 Edmonds, Wash.
 Johns, Jack E.
 Creston, Iowa
 Johnson, James V., Jr.
 Kenly, N. C.
 Johnson, John E.
 Bayonne, N. J.
 Johnson, Robert H.
 South Ashburnha, Mass.
 Johnson, William L.
 St. Louis, Mo.
- Jolin, William A.
 Boston, Mass.
 Jolliff, Guy N.
 Overland Park, Kans.
 Jones, James E.
 Latonia, Ky.
 Jones, John P.
 Decatur, Ga.
 Jones, Thomas H.
 Tarentum, Pa.
 Jones, William D.
 Cheyenne, Wyo.
 Joyce, Robert M.
 Cleveland, Ohio
 Kahl, Keith G.
 Carrington, N. D.
 Kallman, Michael E.
 Council Bluffs, Iowa
 Kaplan, Robert L.
 Little Silver, N. J.
 Karns, Robert C.
 Chetopa, Kans.
 Kaufman, Louis A.
 Hermosa Beach, Calif.
 Kaye, Jordan
 Brooklyn, N. Y.
 Keener, Robert E.
 Fairmont, W. Va.
 Keithly, Thomas G., Jr.
 San Francisco, Calif.
 Kenefick, Walter J.
 East Hartford, Conn.
 Kenzie, Ross B.
 Oronoque, Conn.
 Kernan, Francis Van T.
 New Providence, N. J.
 Kickham, James A.
 St. Louis, Mo.
 Kimball, Douglas S.
 Alexandria, Va.
 Kincaid, Frank C., Jr.
 Hot Springs, Ark.
 King, Theodore D.
 Lakeport Port, Mich.
 Kinnie, Irvin G., Jr.
 Washington, D. C.
 Kintzing, Richard W., 2d
 Williamsport, Pa.
 Kitchen, Niles A.
 Petersburg, Va.
 Knittel, William C., Jr.
 Nartrace, Tenn.
 Knox, James R.
 Northampton, Mass.
 Koch, Ralph A., Jr.
 Ft. McPherson, Ga.
 Kotowski, Raymond V.
 New Britain, Conn.
 Koun, John N.
 North Sea Bright, N. J.
 Krobock, John R.
 Hazleton, Pa.
 Kuyk, David D.
 Hudson, N. Y.
 La Brash, Francis G.
 New Richmond, Wis.
 Lacour, George A.
 Atlanta, Ga.
 Lacquement, Hubert W.
 Centralia, Ill.
 Laflam, Robert J.
 Belmont, N. H.
 Lammie, James L.
 Ambridge, Pa.
 Landreth, James R., Jr.
 Litzor, Ind.

DIRECTORY OF CADETS, Fourth Class--Continued

Landry, Clifford J.
Medford, Mass.

La Point, Robert A.
Auburn, N. Y.

Larrison, Charles B., Jr.
Buffalo, N. Y.

Lasher, Sebastian A.
Germantown, N. Y.

Laundry, Melburn E.
Berwyn, Ill.

Lavender, Charles M.
Port Arthur, Texas

Lawrence, Richard D.
Houston, Texas

Layman, Roger I.
Wethersfield, Conn.

Leland, James W.
Hysham, Mont.

Leonard, Richard E.
Chinook, Mont.

Lesinski, Raymond J.
Dearborn, Mich.

Lindholm, Allen T.
Los Angeles, Calif.

Lindsay, James R., 3d
Washington, D. C.

Linka, James E.
Sioux City, Iowa

Liveoak, Felix L., Jr.
Waco, Texas

Lodwick, David I.
Ottumwa, Iowa

Loedding, James A.
Dayton, Ohio

Lohrli, G. Gerald
Santa Monica, Calif.

Lowman, Charles J., Jr.
Baltimore, Md.

Lowry, Montecue J.
Columbia, Miss.

Luby, Victor
New York, N. Y.

Lustig, Sheldon J.
Binghamton, N. Y.

Lykens, Robert L.
Knoxville, Tenn.

Lynch, Edward T., Jr.
East Boston, Mass.

Maas, Cletus V.
New Hampton, Iowa

Mackey, Donald F.
Malden, Mass.

Maehr, Robert B.
Cincinnati, Ohio

Maher, John P.
Brownsville, Texas

Malavasi, Raymond J.
Clifton, N. J.

Manfre, Louis E.
Wellsboro, Pa.

Mangels, Robert L., Jr.
Tenafly, N. J.

Marinaro, Frank J.
East Orange, N. J.

Marsters, John L.
Danville, Ill.

Martin, Donald R.
Goshen, Ind.

Martin, John F.
Watertown, N. Y.

Martin, Robert N.
San Francisco, Calif.

Mason, Harold V., Jr.
Vero Beach, Fla.

Massaro, Joseph M.
Little Rock, Ark.

Mathiasen, Alfred, Jr.
Red Bank, N. J.

Matson, Howard R.
Perry, N. Y.

Matthews, Charles C., Jr.
Roswell, N. M.

Mavis, Arthur La V., Jr.
Bryan, Ohio

May, Ward J.
Pittsfield, Mass.

Mayer, Adolph E.
Ironwood, Mich.

McCallum, William B.
Clinton, Minn.

McCarty, Dyke
Tipton, Ind.

McCluskey, James F.
Lawten, Okla.

McDonald, John R.
Lakeland, Fla.

McDonnell, Robert J.
Los Angeles, Calif.

McFaul, John J., Jr.
New York, N. Y.

McGee, James J.
New York, N. Y.

McGinn, Charles J.
Gatun, C. Z.

McGovern, Joseph F.
Philadelphia, Pa.

McGregor, Rob R.
Alexandria, Va.

McGregor, Thomas
Alexandria, Va.

McGuire, William B.
Fitzgerald, Ga.

McIntyre, Graham W.
Berlin, Pa.

McKenna, Thomas P.
Clearwater, Fla.

McKnight, James W.
Hilton Village, Va.

McLaren, James F.
Flandreau, S. D.

McLennan, Stuart G., Jr.
Wilson, N. Y.

McNutt, Donald L.
New Kensington, Pa.

McShulskis, John E.
Kearny, N. J.

Meglen, John D.
Butte, Mont.

Meloy, Guy S., 3d
Alexandria, Va.

Merrigan, Jack A.
Boise, Idaho

Merrill, Charles M.
Ablene, Texas

Merritt, Allen S.
Boonton, N. J.

Metzcher, Edward C.
Burlington, N. J.

Meyer, Donald L.
Milwaukee, Wis.

Miley, James F.
Westover A. F. B., Mass.

Miley, John D., Jr.
Evansville, Ind.

Miller, Douglas McA.
Sprott, Ala.

Miller, Richard A.
Lindsay, Okla.

Miller, William H.
S. Keaton, Mo.

Mingledorff, Thomas D., Jr.
Monroe, La.

DIRECTORY OF CADETS, Fourth Class—Continued

- Miotke, William A.
Alameda, Calif.
- Mirich, David
Gary, Ind.
- Mitchell, Frederick W.
Boise, Idaho
- Mleko, Frank A.
Chicago, Ill.
- Moore, James B.
Arlington, Va.
- Moore, Harold W.
South Portland, Me.
- Morrison, Patton N.
Mackinaw City, Mich.
- Morton, Jack E.
Billings, Mont.
- Morton, Leo C.
Parkdale, Ore.
- Motycka, David L.
West Willington, Conn.
- Mullins, Robert R.
Denver, Colo.
- Murphy, Herbert J., Jr.
Newark, Ohio
- Murrell, Maxwell R.
Hamlin, Texas
- Myers, Jack W.
Butte, Mont.
- Myrah, Halvor H., Jr.
Cincinnati, Ohio
- Nakfoor, Bruce M.
Lansing, Mich.
- Nave, John A.
Montgomery, N. Y.
- Neal, Charles O.
Brookfield, Mo.
- Neilson, Clifford C.
Orlando, Fla.
- Nerone, Francis A.
Sharpsville, Pa.
- Nesbitt, Thomas E.
Hastings, Minn.
- Nou, Dick D.
Elkhart, Ind.
- Neuberger, Jack A.
West Los Angeles, Calif.
- Nicks, Jerry W.
Beaumont, Texas
- Noah, Max W.
Milledgeville, Ga.
- Noll, Wallace W.
Salisbury, Mo.
- Nordgren, Courtland C., Jr.
St. Paul, Minn.
- Norris, Donald W.
Columbus, Ohio
- Northam, Thomas A., Jr.
Bradenton, Fla.
- Nugent, Thomas J.
San Diego, Calif.
- Nutter, Robert H.
Amite, La.
- Oblinger, John B., Jr.
North Bend, Ohio
- O'Brien, James T.
Chicago, Ill.
- O'Brien, Patrick G.
Greenville, Ohio
- O'Connor, Mortimer L.
Arlington, Va.
- O'Hair, Edgar A., Jr.
Little Rock, Ark.
- Olsen, John W.
Fairmont, W. Va.
- O'Malley, Jerome F.
Carbondale, Pa.
- Orders, Robert B.
Huntington, W. Va.
- Orem, James C.
Indianapolis, Ind.
- Osborn, Conrad M.
Detroit, Mich.
- Otis, Glenn K.
Plattsburgh, N. Y.
- Overton, Louis M.
Andrews, S. C.
- Parker, Walter E.
Allentown, N. J.
- Parks, John W.
Pavillion, Wyo.
- Paulekas, Alfred E.
Farrell, Pa.
- Peckham, Herbert D.
Swishshoma, Ore.
- Peloquin, Dale B.
Chippewa Falls, Wis.
- Pendleton, Gienn D.
North Haven, Me.
- Perlow, Joseph P.
Fort Knox, Ky.
- Peterson, Thorwald R.
Omaha, Neb.
- Petley, George S.
Williamsport, Pa.
- Peyton, James C.
Wheeling, W. Va.
- Pfautz, James U.
Annapolis, Md.
- Phillips, George R.
Hopewell Junction, N. Y.
- Phillips, John C.
New York, N. Y.
- Phillips, Richard W., Jr.
Norfolk, Va.
- Phipps, Arthur R.
Waltham, Mass.
- Pickett, Thomas O.
Trenton, Mo.
- Pigg, Jimmie L.
Richmond, Ky.
- Pimental, John J.
Fawtucket, R. I.
- Piolunek, Chester J.
Hyde Park, Mass.
- Pistenma, David A.
Gloucester, Mass.
- Pollard, Alfred L.
Los Angeles, Calif.
- Porter, Harold C.
Callipolis, Ohio
- Porter, Robert J.
Grand Rapids, Mich.
- Potter, Robert K.
McKinnon, Wyo.
- Powers, William T., Jr.
Brooklyn, N. Y.
- Prieto y Castro, Francisco
Habana, Cuba
- Prime, Charles W.
Syracuse, N. Y.
- Ramsay, Donald A.
Grand Rapids, Mich.
- Ramsgate, Charles E., Jr.
Brooklyn, N. Y.
- Ravelo, Angel C.
Mexico D. F., Mexico
- Rawlinson, William E., Jr.
Opelka, Ala.
- Rears, Joseph T.
Newark, N. J.
- Reed, Adrian P.
Greenwich, Conn.

DIRECTORY OF CADETS, Fourth Class—Continued

- Reed, Edwin, Jr.
Mt. Home A.F.B., Idaho
- Reich, Gilbert M.
Steelton, Pa.
- Remers, Richard T.
Cincinnati, Ohio
- Renner, William D.
Washington, D. C.
- Rew, Leland C., Jr.
Gainesville, Ga.
- Reynolds, Frederick P., 3d
White Plains, N. Y.
- Rhodes, Edward L., Jr.
Brownsville, Texas
- Rhyne, Hal B.
Dallas, N. C.
- Rice, David K.
Baltimore, Md.
- Rich, Ralph C.
Los Angeles, Calif.
- Rickard, Daniel S.
New York, N. Y.
- Riley, Frank J. J., Jr.
San Francisco, Calif.
- Riley, Otto N., Jr.
Port Arthur, Texas
- Robbins, Gary W.
Leavenworth, Kans.
- Robinson, Thomas R.
Corcoran, Calif.
- Roderick, Roger L.
Washington, D. C.
- Rogers, Elliotson D.
Arlington, Va.
- Rogers, Robert F.
Denver, Colo.
- Rohlman, Raymond C.
Buffalo, N. Y.
- Rose, Robert D.
Cornwall-on-Hudson, N. Y.
- Rote, Thomas C.
San Antonio, Texas
- Rowekamp, William H.
Marietta, Ohio
- Rush, Early J., 3d
Baltimore, Md.
- Rush, Robert L.
Chevy Chase, Md.
- Russell, Charles R., Jr.
West Chicago, Ill.
- Saffer, Morton R.
Richmond, Ind.
- Sammons, James O.
Denison, Texas
- Sanders, Ralph L., Jr.
Chattanooga, Tenn.
- Sarbacher, Harold J.
Clarkston, Wash.
- Satchell, Max E.
Cheyenne, Wyo.
- Schaeffer, Herbert S., Jr.
Bellevue, Pa.
- Schaenzer, John E.
Peoria, Ill.
- Schmidt, Donald R.
Fort Lauderdale, Fla.
- Schmidt, Herbert R.
Washington, D. C.
- Schmidt, Walter H., Jr.
Detroit, Mich.
- Schneider, Henry O., Jr.
Hamilton, Texas
- Schroder, Raymond L. W.
Sturgeon Bay, Wis.
- Schroeder, Robert L.
College Park, Md.
- Schuessler, Glenn E.
Roanoke, Ala.
- Schweitzer, Glenn E.
Chadds Ford, Pa.
- Scoblick, John J. P., Jr.
Arehbald, Pa.
- Scofield, Robert E.
San Diego, Calif.
- Seegmueller, Gene A.
Hamilton, Ohio
- Segal, Robert
Linden, N. J.
- Seigle, John W.
Mt. Healthy, Ohio
- Seiler, Richard F.
Dayton, Ohio
- Selhe, James P.
Charleston, W. Va.
- Selby, Horace H.
Phoebus, Va.
- Semerjian, Sarkis
Philadelphia, Pa.
- Shaw, Arthur B., Jr.
St. Louis, Mo.
- Shaw, Donald E.
Edgerton, Wis.
- Sheard, Joe H.
Shreveport, La.
- Shine, William P.
South Boston, Mass.
- Shockey, Philip N.
Pittsburgh, Pa.
- Short, Robert B., Jr.
Newton, Ga.
- Sibley, James S.
Midlothian, Texas
- Siebert, Frederick J., Jr.
Charleston, S. C.
- Sifford, William F., Jr.
El Dorado, Kans.
- Silberg, Martin I.
Brooklyn, N. Y.
- Simko, Andrew M.
Bellaire, Ohio
- Simpson, Roy V., Jr.
Fayetteville, Ark.
- Skidmore, Lowell H.
Cawood, Ky.
- Sliger, Douglas R.
Salt Lake City, Utah
- Smith, David C.
Watertown, N. Y.
- Smith, Edgar H., Jr.
Largo, Fla.
- Smith, Fred L.
Glastonbury, Conn.
- Smith, Robert La F.
New York, N. Y.
- Smith, Rodney H.
Alexandria, Va.
- Smith, Russell A.
New York, N. Y.
- Smythe, John D.
New York, N. Y.
- Snead, William K.
Delefield, Wis.
- Snyder, Francis
Hingham, Mass.
- Sofis, Thomas G.
Pittsburgh, Pa.
- Soja, Eugene R.
Chicago, Ill.
- Sovern, Stanley B.
Williamsville, N. Y.
- Speir, Montgomery T.
Winterville, N. C.

DIRECTORY OF CADETS, Fourth Class—Continued

- Spinner, Thomas J.
Brooklyn, N. Y.
- Spooner, Arthur L.
Webster, Wis.
- Stahura, Edward J.
Indiana, Pa.
- Stedman, Thomas M., Jr.
Everett, Wash.
- Stepanek, Walter F.
Omaha, Neb.
- Stethem, William H.
Granite City, Ill.
- Stewart, Karl R.
Oakland, Calif.
- Stewart, Stanley B.
Toledo, Ohio
- Stine, James M.
Lewistown, Pa.
- Stinson, William C., Jr.
Dublin, Ga.
- Stoneburner, John F.
Columbus, Ohio
- Storck, George H.
Swarthmore, Pa.
- Stossmeister, George C.
Indianapolis, Ind.
- Strickland, William A.
Banksdale Field, La.
- Stuart, James R., Jr.
Hibbing, Minn.
- Stuart, William H.
Winchester, Ill.
- Sullivan, Roland R.
Yonkers, N. Y.
- Sullivan, Roy L., 2d
Oklahoma City, Okla.
- Suplizio, Paul E.
Dubois, Pa.
- Sutton, William J., 3d
Fort Worth, Texas
- Sveska, Robert F.
Omaha, Neb.
- Sweeney, Kenneth J.
Johnston, N. Y.
- Swisher, Donald L.
Selah, Wash.
- Sykes, Donald K.
Lansdowne, Pa.
- Szczerbowski, Arthur K.
Chicago, Ill.
- Talley, Clarence E., Jr.
Reidsville, N. C.
- Tant, Benjamin E., Jr.
Tampa, Fla.
- Tanzer, John B.
Lawrence, Mass.
- Tardif, Albert N.
Leominster, Mass.
- Tatum, Lawrence B.
Chattanooga, Tenn.
- Taylor, Fred S., 3d
Auburn, N. Y.
- Tehon, Richard J.
Chicago, Ill.
- Temp, John R.
Kirkland, Wash.
- Thomas, Robert J.
Anaconda, Mont.
- Thomas, Samuel M., Jr.
Greenwich, Conn.
- Thomas, William R.
Reno, Nev.
- Thompson, Fred K.
Louisville, Ky.
- Thompson, Howard B.
Hempstead, N. Y.
- Thornton, Foster L.
Klamath Falls, Ore.
- Thorpe, Thomas J. V.
Fall River, Mass.
- Tighe, Charles, J.
Chicago, Ill.
- Todd, Marion A., Jr.
Charleston, S. C.
- Toman, John
Scranton, Pa.
- Tomlingson, Paul D.
Rutland, Vt.
- Tompkins, Hiram K.
Watertown, N. Y.
- Touchstone, Stanford M.
West Point, N. Y.
- Townsend, Richard A.
Auburn, N. Y.
- Tracy, James E.
Athens, Pa.
- Treado, Howard C.
Marquette, Mich.
- Tumperl, John R. E.
Lake Linden, Mich.
- Turrill, Nelson H.
Chicago, Ill.
- Van Den Berg, Edgerton K.
New York, N. Y.
- Vander Meer, Richard G.
Waterbury, Conn.
- Van Deusen, Frederick F.
Fayetteville, N. C.
- Varela, Manuel H.
Santurce, P. R.
- Ventrella, Rocco F., Jr.
Pinckney, Mich.
- Vergara, Vincent
Coatesville, Pa.
- Vernon, Graham D.
St. Augustine, Fla.
- Vet, Maarten
Hornell, N. Y.
- Viereck, Ennis A., Jr.
Houston, Texas
- Vigilar, Gregorio R.
Itoito City, P. I.
- Vogel, Stephen J.
Woodhaven, N. Y.
- Volker, Gilbert A.
Lancaster, N. Y.
- Volonnino, Robert L.
East Paterson, N. J.
- Volpe, Joseph J.
Haddon Heights, N. J.
- Vose, Paul C.
Camp Gordon, Ga.
- Wade, James P., Jr.
Clayton, Mo.
- Walker, Daniel E.
Wichita Falls, Texas
- Walker, Walter E.
Ottumwa, Iowa
- Walker, William E.
Boston, Mass.
- Waller, Guy E., Jr.
Montgomery, Ala.
- Walls, Henry R., Jr.
Hyallsville, Md.
- Waltemath, Joseph F.
Memphis, Tenn.
- Walters, Joseph R., Jr.
Columbus, Ga.
- Walters, Monty W.
Lamont, Mich.
- Ward, Leo W., Jr.
New Orleans, La.

DIRECTORY OF CADETS, Fourth Class—Continued

Wardlaw, Worth L., Jr.
 McComb, Miss.
 Waters, Douglas G.
 Pottstown, Pa.
 Waters, George D.
 Sylvania, Ga.
 Waters, Robert C.
 Long Beach, Calif.
 Weaver, John E.
 Kingston, N. Y.
 Weber, Donald L.
 St. Louis, Mo.
 Weihmiller, William W.
 Pittsburgh, Pa.
 Wells, Arthur D.
 Paw Paw, Ill.
 Wells, David T.
 New York, N. Y.
 Wells, Robert W.
 St. Augustine, Fla.
 Wesner, John A.
 Windsor, Mo.
 Westervelt, John R., Jr.
 Elmhurst, L. I., N. Y.
 Whalen, Dennis D.
 Fallon, Nev.
 Wheeler, Harold P., Jr.
 Gaffney, S. C.
 Whitechurch, Charles G.
 Evanston, Ill.
 White, Mendel
 Brooklyn, N. Y.
 White, Robert G.
 Santa Ana, Calif.
 White, Robert N., Jr.
 Seat Pleasant, Md.
 White, Walter P., Jr.
 Mentone, Ala.
 Wielga, Stanley V., Jr.
 Wilkes Barre, Pa.
 Wilkerson, Frank S., Jr.
 Syracuse, Kans.

Williams, George F.
 Bridgeport, Neb.
 Williams, Joe C.
 Corpus Christi, Texas
 Williams, Thomas E.
 Louisville, Ky.
 Willner, Larry E.
 Buffalo, N. Y.
 Wilson, Donald L.
 Long Beach, Calif.
 Wilson, Jack D.
 Arlington, Va.
 Wilson, Joseph C.
 Ft. Riley, Kans.
 Wise, John E.
 Yakima, Wash.
 Wondolowski, Joseph E. M., Jr.
 E. St. Louis, Ill.
 Worthy, Clifford, Jr.
 Detroit, Mich.
 Wubbena, William L., Jr.
 Bladensburg, Md.
 Yale, John W.
 Ft. Leavenworth, Kans.
 Young, John H., Jr.
 Norfolk, Va.
 Young, Richard A.
 Portland, Ore.
 Yuengel, William W.
 Union, N. J.
 Zander, Denell D.
 Pendleton, Ore.
 Zargan, Robert T.
 Pittsburgh, Pa.
 Zimmer, Leon S.
 Forest City, Pa.
 Zipp, Charles W.
 Beaumont, Texas
 Zuccaro, James J., Jr.
 Union City, N. J.



INDEX

	PAGE
Academic Board, Members of	25
Academic Calendar	19
Administration, Officers of	25
Appointments and Admissions	73
Aptitude System	132
Association of Graduates	153
Athletics	146
Board, Academic, Members of	25
Board of Visitors	20
Buildings and Grounds	65
Chemistry, Courses in	120
Departments of Instruction	103
Directory of Cadets	159
Distinguished Cadets	148
Electricity, Courses in	103
English, Courses in	105
Entrance Requirements	80
Faculty and Staff, Members of	29
Foreign Languages, Courses in	107
General Information	102
General Staff	27
Graduates, Association of	153

	PAGE
Grounds and Buildings	65
History	57
Honor System	130
Information, General	102
Intercollegiate Athletics	146
Intramural Athletics	146
Law, Courses in	109
Lecture Program	136
Librarians and Library Assistants	141
Library	141
Maps, West Point	4, 8
Mathematics, Courses in	110
Mechanics, Courses in	112
Military Art and Engineering, Courses in	114
Military Hygiene, Courses in	116
Military Psychology and Leadership, Courses in	125
Military Topography and Graphics, Courses in	117
Mission	56
Museum	143
Museum, Staff	143
National Security, Program of Studies in	128
Ordnance, Courses in	119
Organizations and Activities	145
Pay and Allowances	102
Physical Education, Courses in	126
Physics, Courses in	120

	PAGE
Prizes and Distinctions	148
General	148
Military	148
Academic	149
Athletic	150
Program of Studies in National Security	115, 121, 128
Psychology, Military, and Leadership, Courses in	125
Rhodes Scholarships	152
Social Sciences, Courses in	121
Special Staff	27
Staff and Faculty, Members of	29
Staff, General	27
Staff, Special	27
Superintendents, USMA, list of	22
Tactics, Courses in	124
Unification, Education pertaining to	115, 121, 125, 128
Visitors, Board of	20
West Point Societies	155

