

# OFFICIAL REGISTER

OF THE

# Officers and Cadets

OF THE

U. S. MILITARY ACADEMY,

West Point, N. Y.

JUNE, 1899.

*This Register does not contain the List of Cadets as has been the Custom <sup>heretofore</sup> & put in after the General Staff Roll - Charles Boyle & Allen say that it happens to be cancelled but was left out as the Chief of Staff of each class was different.*

U. S. M. A. PRESS



AND BINDERY.

# BOARD OF VISITORS,

JUNE, 1899.

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*Appointed by the President of the United States.*

1. General FELIX AGNUS .....BALTIMORE, MARYLAND.
2. Honorable THOMAS W. BRADLEY .....WALDEN, NEW YORK.
3. Colonel FRANCIS G. CAFFEY.....MONTGOMERY, ALABAMA.
4. Colonel W. D. MANN (*Vice-President*).....NEW YORK, NEW YORK.
5. Colonel J. SUMNER RODGERS.....ORCHARD LAKE, MICHIGAN.
6. General EGBERT L. VIELÉ (*President*).....NEW YORK, NEW YORK.
7. Doctor J. WILLIAM WHITE.....PHILADELPHIA, PENNSYLVANIA.

*Appointed by the Speaker of the House of Representatives.*

8. Honorable BENJAMIN F. MARSH.....WARSAW, ILLINOIS.
9. Honorable JACOB H. BROMWELL.....CINCINNATI, OHIO.
10. Honorable THOMAS M. JETT (*Secretary*).....HILLSBORO, ILLINOIS.

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NOTE.—There were no appointees by the President of the Senate.

## THE UNITED STATES MILITARY ACADEMY.

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The United States Military Academy is a school for the theoretical and practical military training of Cadets, who, upon completing its course satisfactorily, are eligible for appointment as Officers in the Army of the United States of America.

It was established at West Point, New York, by an act of Congress approved March 16, 1802, and with 10 Cadets, was formally opened July 4 of the same year.

From 1802 to 1810 Cadets entered the Academy without mental or physical examination, and at any time of the year. They were of all ages, from 12 to 34. The term began in April and ended in November. Study hours, including recitations, after 1805, were from 8 A. M. to 1 P. M., 2 P. M. to 4 P. M., and in the evening.

In 1810 the Academy was deprived of nearly all means of instruction, and the Officers and Cadets had difficulty in obtaining their pay. Strong opposition was brought to bear against it and during 1811 and part of 1812 the Academy was without Officers or Cadets. Up to this time but 71 Cadets had been graduated. In 1812 Congress reorganized the institution, and in 1817 the present era in its history began. The Military Academy has graduated a class every year since 1802, with the exception of the years 1810 and 1816, and the total number of graduates from 1802 to 1899, inclusive, is 3,939.

## SUPERINTENDENTS OF THE UNITED STATES MILITARY ACADEMY.

No.	Name.	Army Rank.	Term of Service.		Remarks.
			From	To	
1	JONATHAN WILLIAMS.....	Major Corps of Engineers.....	*April 15, 1802,	June 20, 1803,	Resigned.
2	JONATHAN WILLIAMS.....	Lieut. Col. Corps of Engineers.....	April 19, 1805,	July 31, 1812,	Resigned.
3	JOSEPH G. SWIFT.....	Colonel Corps of Engineers.....	†July 31, 1812,	July 28, 1817,	Relieved.
4	SYLVANUS THAYER.....	Captain Corps of Engineers.....	July 28, 1817,	July 1, 1833,	Relieved.
5	RENÉ E. DERUSSY.....	Major Corps of Engineers.....	July 1, 1833,	Sept. 1, 1838,	Relieved.
6	RICHARD DELAFIELD.....	Major Corps of Engineers.....	Sept. 1, 1838,	Aug. 15, 1845,	Relieved.
7	HENRY BREWERTON.....	Captain Corps of Engineers.....	Aug. 15, 1845,	Sept. 1, 1852,	Relieved.
8	ROBERT E. LEE.....	Captain Corps of Engineers.....	Sept. 1, 1852,	March 31, 1855,	Relieved.
9	JOHN G. BARNARD.....	Captain Corps of Engineers.....	March 31, 1855,	Sept. 8, 1856,	Relieved.
10	RICHARD DELAFIELD.....	Major Corps of Engineers.....	§Sept. 8, 1856,	Jan'y 23, 1861,	Relieved.
11	PETER G. T. BEAUREGARD...	Captain Corps of Engineers.....	§Jan'y 23, 1861,	Jan'y 28, 1861,	Relieved.
12	RICHARD DELAFIELD.....	Major Corps of Engineers.....	Jan'y 28, 1861,	March 1, 1861,	Relieved.
13	ALEXANDER H. BOWMAN.....	Major Corps of Engineers.....	March 1, 1861,	July 8, 1861,	Relieved.
14	ZEALOUS B. TOWER.....	Major Corps of Engineers.....	July 8, 1864,	Sept. 3, 1864,	Relieved.
15	GEORGE W. CULLUM.....	Lieut. Col. Corps of Engineers.....	Sept. 8, 1864,	Aug. 28, 1866,	Relieved.
16	THOMAS G. PITCHER.....	Colonel 44th Infantry.....	Aug. 28, 1866,	Sept. 1, 1871,	Relieved.
17	THOMAS H. RUGER.....	Colonel 18th Infantry.....	Sept. 1, 1871,	Sept. 1, 1876,	Relieved.
18	JOHN M. SCHOFIELD.....	Major General, U. S. A.....	Sept. 1, 1876,	Jan'y 21, 1881,	Relieved.
19	OLIVER O. HOWARD.....	Major General, U. S. A.....	Jan'y 21, 1881,	Sept. 1, 1882,	Relieved.
20	WESLEY MERRITT.....	Colonel 5th Cavalry.....	Sept. 1, 1882,	July 1, 1887,	Relieved.
21	JOHN G. PARKE.....	Colonel of Engineers.....	Aug. 28, 1887,	June 24, 1889,	Relieved.
22	JOHN M. WILSON.....	Lieut. Colonel of Engineers.....	Aug. 26, 1889,	March 31, 1893,	Relieved.
23	OSWALD H. ERNST.....	Major Corps of Engineers.....	March 31, 1893,	Aug. 21, 1898,	Relieved.
24	ALBERT L. MILLS.....	Captain 6th Cavalry.....	Aug. 22, 1898,	.....	.....

NOTE.—The selection of the Superintendents of the Military Academy was confined to the Corps of Engineers from the establishment of the Institution, March 16, 1802, till the passage of the law of July 13, 1866, which opened it to the entire Army. By the Act of June 12, 1858, the local rank of Colonel was conferred upon the Superintendent.

† Major Williams resigned June 20, 1803, on a point of command, and pending its settlement until 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.

‡ During the absence of Colonel Swift from West Point on war and other services, while he was Superintendent, the command of the Military Academy devolved on Captain Alden Partridge or other senior officer of the Corps of Engineers present for duty.

§ Bvt. Major P. G. T. Beauregard, Corps of Engineers, by order of John B. Floyd, Secretary of War, relieved Colonel 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 Colonel Delafield.

# UNITED STATES MILITARY ACADEMY,

WEST POINT, NEW YORK.

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## Superintendent.

COLONEL A. L. MILLS,

U. S. Army.

(Captain 6th Cavalry.)

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Colonel O. H. ERNST, Superintendent, relieved Aug. 21, 1898.

Lieut. Col. O. L. HEIN, Acting Superintendent from June 8, 1898, until Sept. 20, 1898.

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## Military Staff.

1st Lieutenant SAMUEL C. HAZZARD, 1st Artillery, *Adjutant of the Military Academy and of the Post; Recruiting Officer; Commanding Band and Detachment of Field Music.*

1st Lieutenant MALVERN-HILL BARNUM, 10th Cavalry, *Quartermaster of the Military Academy and of the Post; Disbursing Officer; Commissary, and Treasurer; in charge of Post Exchange.*

Major CHARLES B. HALL, 2d Infantry, *Treasurer of the Military Academy, and Quartermaster and Commissary of Cadets.*

Major JOHN M. BANISTER, Surgeon, U. S. A., *Surgeon.*

\* Major WILLIAM L. KNEEDLER, Brigade Surgeon U. S. Vols., Capt. and Asst. Surgeon, U. S. A.

1st Lieutenant DOUGLAS F. DUVAL, Assistant Surgeon, U. S. A.

\* Not yet joined.

1st Lieut. GEORGE F. LANDERS, 4th Artillery, relieved as Commissary and Post Treasurer, Dec. 31, 1898.

Lieut. Col. WILLIAM F. SPURGIN, 16th Infantry, relieved as Quartermaster, May 10, 1899.

## Academic Staff.

Professors whose service at the Academy, as Professor, exceeds 10 years, have the pay and allowances of Colonel, and all other Professors the pay and allowances of Lieutenant-Colonel.

### DEPARTMENT OF TACTICS.

<b>Lieut. Col. Otto L. Hein,</b> Captain 1st Cavalry,	}	<i>Commandant of Cadets and            Instructor of Tactics.</i> (15 Jun., '97.)
Captain GRANGER ADAMS, 7th Artillery,	}	<i>Senior Instructor of Artillery Tactics.</i>
Captain JULIUS A. PENN, 7th Infantry,	}	<i>Senior Instructor of Infantry Tactics.</i>
1st Lieutenant ROBERT L. HOWZE, 6th Cavalry,	}	<i>Senior Instructor of Cavalry Tac-            tics.</i>
1st Lieutenant EDWARD ANDERSON, 7th Cavalry,	}	<i>Assistant Instructor of Tactics. Com-            manding Company of Cadets.</i>
1st Lieutenant WILLIAM LASSITER, 1st Artillery,	}	<i>Assistant Instructor of Tactics. Com-            manding Company of Cadets.</i>
1st Lieutenant JULIAN R. LINDSEY, 10th Cavalry.	}	<i>Assistant Instructor of Cavalry Tac-            tics. Commanding Company of            Cadets.</i>
1st Lieutenant FRANK W. COE, 1st Artillery,	}	<i>on temporary duty, Commanding            Company of Cadets.</i>
1st Lieut. JAY E. HOFFER, 3d Artillery, relieved Aug. 31, 1898. Captain JAMES PARKER, 4th Cavalry, relieved Sept. 5, 1898. Captain JOHN H. BEACOM, 3d Infantry, relieved Sept. 5, 1898. 1st Lieut. JOHN J. PERSHING, 10th Cavalry, relieved Sept. 5, 1898. 2d Lieut. DAVID M. KING, 4th Artillery, relieved Oct. 31, 1898. Captain SAMSON L. FAISON, 13th Infantry, relieved April 21, 1899.		

### DEPARTMENT OF CIVIL AND MILITARY ENGINEERING.

<b>Gustav J. Fiebeger,</b>		<i>Professor.</i> (4 May, 1896.)
1st Lieutenant JAY J. MORROW, Corps of Engineers,	}	<i>Assistant Professor.</i>
1st Lieutenant JAMES P. JERVEY, Corps of Engineers,	}	<i>Instructor.</i>
1st Lieut. THOMAS H. REES, Corps of Engineers, relieved Aug. 13, 1898. Captain FRANCIS R. SHUNK, Corps of Engineers, relieved Jan. 13, 1899. Captain CHESTER HARDING, Corps of Engineers, relieved Feb. 20, 1899.		

### DEPARTMENT OF NATURAL AND EXPERIMENTAL PHILOSOPHY.

<b>Peter S. Michie,</b>		<i>Professor.</i> (14 Feb., 1871.)
Captain HENRY C. DAVIS, 7th Artillery,	}	<i>Assistant Professor.</i>
1st Lieutenant WILMOT E. ELLIS, 4th Artillery,	}	<i>Instructors.</i>
1st Lieutenant WILLIAM R. SMITH, 1st Artillery,	}	
1st Lieutenant LINCOLN C. ANDREWS, 3d Cavalry,	}	
1st Lieutenant JOSEPH T. CRABBS, 9th Cavalry,	}	<i>In Charge of Observatory and As-            tronomical Observations.</i>
Captain WILLIAM B. GORDON, Ordnance Department, relieved July 1, 1898.		

## DEPARTMENT OF MATHEMATICS.

<b>Wright P. Edgerton,</b>	<i>Professor.</i>	(7 Oct., 1898.)
*CHARLES P. ECHOLS,	<i>Associate Professor.</i>	(7 Oct., 1898.)
1st Lieutenant GEORGE BLAKELY, 2d Artillery,	} <i>Assistant Professor.</i>	
1st Lieutenant FRANK W. COE, 1st Artillery,		
1st Lieutenant WILLIAM M. CRUIKSHANK, 1st Artillery,	} <i>Instructors.</i>	
1st Lieutenant GEORGE F. HAMILTON, 10th Cavalry,		
1st Lieutenant JOSEPH WHEELER, Jr., 4th Artillery,		
1st Lieutenant ROBERT E. CALLAN, 5th Artillery,		
1st Lieutenant JAMES W. HINKLEY, Jr., 5th Artillery,		

\*Associate Professor with the pay and allowances of Captain.

2d Lieut. CHARLES W. CASTLE, 16th Infantry, relieved July 28, 1898.  
 1st Lieut. CHARLES P. ECHOLS, Corps of Engineers, relieved Sept. 5, 1898.  
 Professor EDGAR W. BASS, retired Oct. 7, 1898.  
 Associate Professor WRIGHT P. EDGERTON, appointed Professor Oct. 7, 1898.  
 2d Lieut. SAMUEL V. MCCLURE, 7th Infantry, relieved Jan. 5, 1899.  
 1st Lieut. DAVID M. KING, Ordnance Department, }  
 1st Lieut. HARRY H. STOUT, Ordnance Department, } relieved Jan. 9, 1899.  
 1st Lieut. THALES L. AMES, Ordnance Department, }  
 2d Lieut. ALSTON HAMILTON, 1st Artillery, relieved April 5, 1899.  
 1st Lieut. HAMILTON S. HAWKINS, 4th Cavalry, relieved June 13, 1899.

## DEPARTMENT OF CHEMISTRY, MINERALOGY AND GEOLOGY.

<b>Samuel E. Tillman,</b>	<i>Professor.</i>	(21 Dec., 1880.)
1st Lieutenant RICHMOND P. DAVIS, 2d Artillery,	} <i>Assistant Professor.</i>	
1st Lieutenant GEORGE F. LANDERS, 4th Artillery,		
1st Lieutenant EDWARD D. ANDERSON, 10th Cavalry,	} <i>Instructors.</i>	
2d Lieut. WILLIAM R. SMITH, 1st Artillery, relieved Aug. 29, 1898. 1st Lieut. PALMER E. PIERCE, 18th Infantry, relieved April 21, 1899.		

## DEPARTMENT OF DRAWING.

<b>Charles W. Larned,</b>	<i>Professor.</i>	(25 July, 1876.)
1st Lieutenant JENS BUGGE, 3d Infantry,	} <i>Assistant Professor.</i>	
1st Lieutenant FREDERICK W. LEWIS, 17th Infantry,		
	} <i>Instructor.</i>	
2d Lieut. WALTER C. BABCOCK, 8th Cavalry, relieved Sept. 1, 1898. 1st Lieut. CHARLES H. PAINE, 13th Infantry, relieved April 21, 1899. Captain GEORGE H. CAMERON, 4th Cavalry, relieved June 13, 1899.		

## DEPARTMENT OF MODERN LANGUAGES.

<b>Edward E. Wood,</b>	<i>Professor.</i>	(1 Oct., 1892.)
Captain CHARLES H. HUNTER, 3d Artillery,	} <i>Assistant Professor of the Spanish Language.</i>	
1st Lieutenant ARTHUR THAYER, 3d Cavalry,		
	} <i>Assistant Professor of the French Language.</i>	

## DEPARTMENT OF MODERN LANGUAGES—Continued.

1st Lieutenant GIRARD STURTEVANT, 23d Infantry,	} <i>Instructors.</i>
1st Lieutenant JAMES M. WILLIAMS, 7th Artillery,	
1st Lieutenant JOSEPH L. KNOWLTON, 2d Artillery,	
2d Lieutenant EUGENE P. JERVEY, Jr., 5th Cavalry,	
2d Lieutenant WILLIAM KELLY, Jr., 2d Cavalry,	

2d Lieut. WILLIAM R. SMEDBERG, JR., 4th Cavalry, relieved Sept. 5, 1898.  
2d Lieut. SAMUEL C. HAZZARD, 1st Artillery, relieved Oct. 19, 1898.

## DEPARTMENT OF LAW AND HISTORY.

<b>George B. Davis,</b> Lieut. Col. and Deputy Judge Advocate General, U. S. A.,	} <i>Professor.</i> (20 Aug., 1895.) (By assignment under act 6 June, 1874.)
1st Lieutenant WALTER A. BETHEL, 3d Artillery,	
1st Lieutenant FRANK G. MAULDIN, 7th Artillery,	} <i>Assistant Professor.</i>
1st Lieutenant WILLIAM M. CRUIKSHANK, 1st Artillery,	
1st Lieutenant MATHEW C. SMITH, 2d Cavalry,	} <i>Instructors.</i>
1st Lieutenant HERBERT A. WHITE, 6th Cavalry,	

1st Lieut. WALTER A. BETHEL, 3d Artillery, relieved September 5, 1898. Reassigned  
November 7, 1898.  
1st Lieut. SAMUEL HOF, Ordnance Department, relieved Oct. 12, 1898.

DEPARTMENT OF PRACTICAL MILITARY ENGINEERING,  
MILITARY SIGNALING AND TELEGRAPHY.

<b>Captain George W. Goethals,</b> Corps of Engineers,	} <i>Instructor.</i> (15 Nov., 1898.)
1st Lieutenant JAMES P. JERVEY, Corps of Engineers,	
1st Lieutenant HARRY BURGESS, Corps of Engineers,	} <i>on temporary duty.</i>
	} <i>Senior Assistant Instructor.</i>

Captain JAMES L. LUSK, Corps of Engineers, relieved Aug. 31, 1898.  
2d Lieut. LYTLE BROWN, Corps of Engineers, relieved Oct. 22, 1898.  
2d Lieut. GEORGE BLAKELY, 2d Artillery, relieved Oct. 31, 1898.  
Captain E. EVELETH WINSLOW, Corps of Engineers, relieved Nov. 14, 1898.  
2d Lieut. HARLEY B. FERGUSON, Corps of Engineers, relieved Dec. 7, 1898.

## DEPARTMENT OF ORDNANCE AND GUNNERY.

<b>Captain Lawrence L. Bruff,</b> Ordnance Department,	} <i>Instructor.</i> (17 Aug., 1891.)
1st Lieutenant JAY E. HOFFER, Ordnance Department,	
1st Lieutenant WILLIAM R. SMITH, 1st Artillery,	} <i>Senior Assistant Instructor.</i>
	} <i>Assistant Instructor.</i>

## CHAPLAIN.

**Rev. Herbert Shipman,** (22 April, 1896.)

## MASTER OF THE SWORD.

**Herman J. Koehler,** (1 February, 1885.)

## TEACHER OF MUSIC.

**George Essigke,** (15 October, 1895.)

## CLASSIFICATION OF CADETS.

The Cadets are arranged in four distinct classes, corresponding with the four years of study. The Cadets employed on the first year's course constitute the **FOURTH CLASS**; those on the second year's course the **THIRD CLASS**; those on the third year's course the **SECOND CLASS**; and those on the fourth year's course the **FIRST CLASS**.

The academic year commences on the 1st of July. On, or before, that date the result of the examination held in the preceding month is announced and Cadets are advanced from one class to another. At no other time shall a Cadet be advanced from one class to another, unless prevented by sickness, or authorized absence, from attending at the aforesaid examination; in which case a special examination shall be granted him; but in no case shall a Cadet be advanced from one class to another without having passed a satisfactory examination by the Academic Board.

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NOTE.—Names marked thus\* are to be attached to the next Army Register, in conformity with a regulation for the government of the *Military Academy*, requiring the names of the most distinguished Cadets, not exceeding five in each class, to be reported for this purpose at each Annual Examination.

Cadets whose names are marked thus † were found deficient, and turned back, to join the next succeeding class.

Cadets whose names are marked thus ‡ were found deficient, and discharged.

## FIRST CLASS—72 MEMBERS—GRADUATED FEBRUARY 15, 1899.

<i>Order of general merit.</i>	<i>Names.</i>	<i>Where born.</i>	<i>Appointed from</i>	<i>Date of Admission.</i>	<i>Age at date of Admission.</i>		<i>Order of merit in</i>							<i>Demerit for the 2 years ending May 31, 1899.</i>			
					<i>Years.</i>	<i>Mos.</i>	<i>Civil &amp; Military Engineering</i>			<i>Law.</i>	<i>History.</i>	<i>Ordnance &amp; Gunnery</i>			<i>Drill Reputations.</i>	<i>Discipline.</i>	
							<i>3</i>	<i>2</i>	<i>6</i>			<i>5</i>	<i>1</i>				<i>3</i>
*1	Woodruff, James A.....	Mont.	Vt.	June 15, 1895	18	0	3	2	6	5	1	3	15				
*2	Kelly, William.....	N. Y.	Wis.	June 19, 1895	18	5	2	6	13	1	2	16	55				
*3	Stickle, Horton W.....	Iowa.	Iowa.	June 15, 1895	20	3	1	4	4	4	3	19	59				
*4	Rand, Lewis H.....	N. J.	N. J.	June 19, 1895	18	6	4	8	5	3	7	44	163				
*5	Markham, Edward M.	N. Y.	N. Y.	June 15, 1895	17	11	5	3	8	10	5	21	77				
6	Jackson, Thomas H...	Canada.	Mich.	June 15, 1895	21	5	10	9	2	6	6	6	32				
7	Coleman, Le Vert.....	Ala.	Ala.	June 15, 1895	17	9	9	1	1	12	11	32	117				
8	Putnam, Alfred B.....	Mass.	Mass.	June 19, 1895	17	9	15	11	24	7	13	1	6				
9	Bunnell, George W., Jr.	Cal.	Cal.	June 19, 1895	20	6	6	7	17	2	17	10	42				
10	Wignmore, Hubert L...	Cal.	Cal.	June 15, 1895	20	8	18	5	14	11	16	44	163				
11	Waldron, Albert E.....	Iowa.	Ill.	June 19, 1895	21	7	8	17	36	8	24	21	77				
12	Nicholls, Jesse C.....	Ala.	Ala.	*June 15, 1894	19	10	7	35	37	15	56	60	253				
13	Jewell, Frank C.....	Ill.	Wis.	June 19, 1895	21	8	27	13	9	20	14	11	43				
14	Gallup, Fred H.....	Iowa.	Iowa.	June 19, 1895	18	7	13	49	42	22	51	56	230				
15	McDonough, Mich'l J.	Mass.	Mass.	June 15, 1895	18	5	34	23	26	41	40	58	237				
16	Guiney, Patrick W.....	Mass.	Mass.	June 19, 1895	18	4	20	10	19	23	12	8	34				
17	Roberts, Hugh A.....	Ga.	Ga.	June 15, 1895	18	5	25	28	22	17	18	33	122				
18	Clark, Charles B.....	Mass.	Mass.	June 15, 1895	18	6	40	16	12	21	4	2	13				
19	Schull, Herman W.....	England.	S. D.	June 19, 1895	20	1	11	54	39	34	50	46	168				
20	Farrar, Henry B.....	Mo.	Mo.	June 15, 1895	19	9	24	22	25	29	31	20	71				
21	Carter, Clifton C.....	Ky.	Ky.	June 15, 1895	18	11	26	36	49	28	9	7	33				
22	Kromer, Leon B.....	Mich.	Mich.	June 15, 1895	19	0	32	47	34	9	8	60	253				
23	Romeyn, Charles A.....	Ind.T.	At Large.	June 15, 1895	20	6	14	45	40	26	10	40	150				
24	Hunt, Irvin L.....	Cal.	Cal.	June 15, 1895	17	11	19	42	38	37	25	35	128				
25	Clark, Henry B.....	Wis.	Ill.	June 19, 1895	21	2	51	30	43	40	4	12	44				
26	Simonds, George S.....	Iowa.	Iowa.	June 15, 1895	21	3	16	34	7	39	20	38	137				
27	Bushfield, Llewellyn N.	Tenn.	Ky.	June 15, 1895	18	9	33	26	41	24	48	63	328				
28	Ray, James B.....	Ky.	Ky.	June 19, 1895	19	4	22	18	44	19	42	36	132				
29	Cooke, Francis N.....	N. C.	N. C.	June 19, 1895	19	8	23	12	11	27	21	35	128				
30	Embick, Stanley D.....	Pa.	Pa.	June 15, 1895	18	5	36	21	3	33	35	48	174				
31	Ansell, Samuel T.....	N. C.	N. C.	June 15, 1895	20	5	43	15	23	32	55	26	101				
32	Granger, Ralph S.....	Conn.	Conn.	<sup>b</sup> June 15, 1894	19	3	48	31	35	18	26	17	56				
33	Peck, Robert H.....	Cal.	Cal.	June 15, 1895	20	3	38	37	29	30	64	47	173				
34	Humphrey, Evan H...	Cal.	Neb.	<sup>c</sup> June 15, 1895	20	3	31	24	20	25	49	41	154				
35	Yates, Halsey E.....	Neb.	Neb.	June 15, 1895	19	1	35	38	21	13	47	15	53				
36	Trott, Clement A.....	Wis.	Wis.	June 15, 1895	17	6	42	29	15	14	38	11	43				
37	Moseley, George V. H.	Ill.	Ill.	June 15, 1895	20	9	29	14	27	42	15	4	18				

<sup>a</sup> Suspended without pay for one year from September 21, 1896. So much of the sentence remaining unexecuted on August 28, 1897, remitted by authority of the Secretary of War.

<sup>b</sup> Turned back to join then Fourth Class, for deficiency in Mathematics, Jan. 22, 1896.

<sup>c</sup> Admitted September 1, 1893; resigned January 7, 1895.

NOTE.—No standing is given in Practical Military Engineering, the Class not having completed the course.

FIRST CLASS—72 MEMBERS—GRADUATED FEBRUARY 15, 1899.

Order of general merit.	Names.	Where born.	Appointed from	Date of Admission.	Age at date of Admission.		Order of merit in							Demerit for the 2 years ending May 31, 1899.	
					Years.	Mos.	Civil & Military Engineering.		Law.	History.	Ordnance & Gunnery.		Drill Regulations.		Discipline.
38	Farmer, Charles C., Jr.	Ill.	Ill.	June 15, 1895	19	5	12	41	30	36	32	25	98		
39	Burt, Wilson B.....	Ill.	Ill.	June 15, 1895	20	5	52	25	46	45	27	53	206		
40	Brown, Walter S.....	Me.	Me.	June 15, 1895	19	11	21	20	33	31	22	43	159		
41	Minus, Josiah C.....	Tex.	S. C.	June 19, 1895	20	0	39	33	31	50	63	39	140		
42	Bundel, Charles M.....	Pa.	Pa.	June 19, 1895	20	0	44	32	32	35	39	13	46		
43	Heintzelman, Stuart...	N. Y.	At Large.	June 15, 1895	18	7	37	37	18	46	54	64	341		
44	Hancock, Gwynn R....	Mo.	At Large.	<sup>a</sup> June 25, 1894	18	5	50	57	60	53	34	22	79		
45	Harris, Henry L., Jr...	N. Y.	N. J.	<sup>b</sup> June 19, 1895	19	10	55	46	61	16	69	65	356		
46	Halstead, Laurence....	Ohio.	Ohio.	June 15, 1895	19	8	17	51	47	51	52	21	77		
47	Foster, Pierce C.....	Mass.	N. H.	June 19, 1895	17	3	30	40	45	47	30	59	246		
48	Van Duyne, Fred'k W.	N. J.	N. J.	June 15, 1895	18	6	28	61	65	38	70	37	136		
49	Herron, Charles D.....	Ind.	Ind.	June 15, 1895	18	3	41	39	28	58	37	29	111		
50	Long, John D .....	Ind.	Ind.	<sup>c</sup> June 20, 1894	17	9	60	59	53	48	43	28	106		
51	Calvert, Robert B.....	Ind.	Ind.	<sup>d</sup> June 15, 1894	19	4	54	50	50	66	19	50	199		
52	Jarrett, George D.....	Ga.	Ga.	<sup>e</sup> June 15, 1894	21	0	47	56	56	72	71	57	231		
53	Heidt, Grayson V.....	Ga.	Ga.	June 15, 1895	20	5	53	43	63	64	33	54	211		
54	Rhea, James C.....	Iowa.	Tex.	June 15, 1895	19	3	56	41	51	43	57	56	230		
55	Hanson, James.....	Sweden.	S. D.	<sup>f</sup> Sept. 2, 1895	21	5	59	52	48	60	29	23	83		
56	Brown, Fred R.....	Ill.	Ill.	June 19, 1895	19	4	49	52	52	62	28	14	52		
57	Merry, William T.....	N. Y.	N. Y.	June 15, 1895	19	0	58	48	55	55	45	5	21		
58	Kerr, Frederick B.....	Pa.	Pa.	June 19, 1895	18	8	45	63	68	57	62	61	268		
59	Cabell, Lawrence D....	Tex.	Tex.	June 19, 1895	20	10	46	65	64	44	59	55	214		
60	Game, Clyffard .....	England.	Minn.	June 15, 1895	21	9	69	19	16	54	61	18	58		
61	Stuart, George W.....	Iowa.	Iowa.	June 19, 1895	20	4	63	62	54	63	53	34	127		
62	Foy, Robert C.....	Ala.	Ala.	June 15, 1895	18	10	57	64	57	65	67	62	282		
63	Way, Henry N.....	Ill.	Ill.	June 19, 1895	20	6	62	67	10	52	65	42	156		
64	Patten, William T.....	S. C.	At Large.	June 15, 1895	19	6	70	55	59	69	46	9	38		
65	Major, Duncan K., Jr.	N. Y.	N. Y.	June 19, 1895	19	2	61	60	67	49	23	31	116		
66	Justice, James.....	Tex.	Tex.	<sup>g</sup> June 15, 1895	19	3	71	66	62	61	44	52	205		
67	Oliver, Llewellyn W....	Mich.	Mich.	June 15, 1895	19	7	64	70	58	67	36	30	115		
68	Cowan, Arthur S.....	Me.	Me.	June 19, 1895	20	2	68	69	71	56	58	27	104		
69	Robichon, Hector A...	Canada.	N. Y.	<sup>h</sup> June 15, 1894	17	11	66	71	69	70	72	51	201		
70	McNally, Reginald E...	N. Y.	Ohio.	June 15, 1895	17	7	67	58	66	59	66	45	166		
71	Peyton, Ephraim G....	Miss.	Miss.	June 15, 1895	19	5	65	68	70	68	68	49	183		
72	McClure, Albert N.....	Ky.	Ky.	June 15, 1895	21	2	72	72	72	71	60	24	96		

<sup>a</sup> Deficient in Philosophy, Jan. exam., 1897, granted leave of absence until Aug. 28, 1897; joined then Second Class. [Class.]  
<sup>b</sup> Admitted June 25, 1894; discharged Jan. 31, 1895, on account of physical disability.  
<sup>c</sup> Turned back to join then Fourth Class, Jan. 22, 1896, for deficiency in Mathematics.  
<sup>d</sup> Absent with leave (sick) during Annual Examination, June, 1897; joined then Second Class, Aug. 28, 1897.  
<sup>e</sup> Turned back to join then Third Class, July 10, 1896, for deficiency in Mathematics.  
<sup>f</sup> Admitted June 15, 1894; discharged June 25, 1895, for deficiency in French.  
<sup>g</sup> Admitted Sept. 1, 1893; resigned Jan. 15, 1895.  
<sup>h</sup> Turned back to join new Fourth Class, June 24, 1895, for deficiency in Mathematics.

## SECOND CLASS—58 MEMBERS.

Order of general merit.	Names.	Where born.	Appointed from	Date of Admission.	Age at date of Admission.		Order of merit in										
					Years.	Mos.	Natural and Experimental Philosophy.	Chemistry, Chemical Physics, Mineralogy and Geology.	Drill Regulations.	Drawing.	Discipline.	Demerit for the year ending May 31, 1899.					
*1	Pillsbury, George B....	Mass.	Mass.	June 15, 1896	19	6	1	1	2	3	9						28
*2	Adams, Edward M....	Mich.	Mass.	June 15, 1896	18	8	2	2	7	1	2						14
*3	Rhett, Edmund M.....	S. C.	S. C.	June 15, 1896	18	2	4	6	3	12	10						29
*4	Lukesh, Gustave R....	Ohio.	Ohio.	June 15, 1896	17	10	3	7	35	2	23						61
*5	Lawson, Charles R....	Mass.	Mass.	June 15, 1896	17	10	5	9	1	48	3						20
6	Slattery, John R.....	Ohio.	Ohio.	June 15, 1896	19	5	11	5	5	21	4						21
7	Youngberg, Gilbert A.	Minn.	Minn.	June 15, 1896	21	4	13	8	12	17	1						7
8	Pope, Francis A.....	Iowa.	Kan.	June 15, 1896	20	11	8	4	20	35	15						40
9	Hamilton, Stanley B..	N.Y.	Nev.	June 15, 1896	17	2	6	3	24	22	38						115
10	Stokey, William P....	Ohio.	Ohio.	June 18, 1896	20	7	7	12	21	34	31						93
11	Baer, Joseph A.....	Pa.	Pa.	June 15, 1896	18	2	10	18	26	14	17						49
12	Whitlock, Frank O....	Iowa.	Minn.	June 18, 1896	18	1	12	14	51	29	16						44
13	Buck, Frederick L....	Pa.	Pa.	June 15, 1896	20	10	18	17	33	11	12						35
14	Morris, Willis V.....	Ind.	Wash.	June 15, 1896	20	5	19	19	4	36	5						22
15	Hopkins, Jay P.....	Mich.	Mich.	June 15, 1896	20	7	14	16	26	18	50						50
16	Martin, Charles F.....	Ark.	Ark.	June 15, 1896	19	8	9	10	13	44	33						96
17	Davis, Edwin G.....	Idaho	Idaho	June 15, 1896	21	11	26	11	14	49	13						36
18	Hillman, Leroy T.....	Ohio.	Ind.	June 15, 1896	17	1	28	22	19	7	7						26
19	Fenner, Raymond H..	Mont.	Mont.	June 15, 1896	19	8	24	24	9	20	12						35
20	Sunderland, Archibald H.	Ill.	Ill.	June 15, 1896	19	6	17	21	8	45	21						58
21	Westervelt, William I.	Tex.	Tex.	June 15, 1896	19	9	15	27	37	27	17						49
22	Wesson, Charles M....	Mo.	Md.	June 15, 1896	17	11	16	20	17	23	29						87
23	Grant, Walter S.....	N.Y.	N.Y.	June 15, 1896	18	5	22	25	15	18	24						64
24	Birnie, Upton, Jr.....	Pa.	Pa.	June 15, 1896	18	11	21	29	34	19	24						64
25	Allen, Ernest E.....	Mo.	Mo.	June 18, 1896	18	2	30	31	47	8	8						27
26	Benjamin, Julian A....	D. C.	At Large.	June 15, 1896	19	5	32	15	10	40	36						103
27	Frohwitter, Chas. L.J.	Mass.	Mass.	June 15, 1896	21	10	36	34	23	10	5						22
28	Deems, Clarence, Jr...	Va.	Md.	<sup>a</sup> June 19, 1895	18	1	43	23	39	5	18						50
29	Robinson, James P....	Kan.	Kan.	June 15, 1896	19	6	25	33	52	28	22						60
30	Wood, Robert E.....	Mo.	Mo.	June 15, 1896	17	0	20	13	48	53	41						139
31	Mumma, Morton C....	Ohio.	Ohio.	June 18, 1896	18	3	27	26	11	9	40						129
32	Carson, Clifford C....	Ohio.	Ind.	June 15, 1896	20	2	33	28	31	25	30						91
33	Amos, Frank P.....	Wis.	Neb.	June 15, 1896	21	0	29	35	46	4	28						84
34	Glade, Herman.....	Ind.	Ind.	June 15, 1896	21	2	31	39	27	30	25						69
35	Hyde, Arthur P. S....	N. J.	N. Y.	June 15, 1896	20	8	41	43	18	13	6						25
36	Nones, Edward P.....	Ky.	Ky.	June 15, 1896	20	1	23	36	32	41	35						100

<sup>a</sup> Turned back to join then Fourth Class, Jan. 26, 1897, for deficiency in Mathematics.

## SECOND CLASS—58 MEMBERS.

Order of general merit.	Names.	Where born.	Appointed from	Date of Admission.	Age at date of Admission.		Order of merit in							Demerit for the year ending May 31, 1899.	
					Years.	Mos.	Natural and Experimental Philosophy.	Chemistry, Chemical Physics, Mineralogy and Geology.	Drill Regulations.	Drawing.	Discipline.				
37	Mitchell, Harry E.....	Ill.	Ill.	<sup>a</sup> June 19, 1895	18	3	37	46	22	16	11				34
38	Rockwell, Verne LaS..	Pa.	Pa.	June 15, 1896	17	4	39	44	16	46	15				40
39	Morey, Lewis S.....	N.Y.	Tex.	June 15, 1896	20	11	38	42	25	37	23				61
40	Jackson, Robert F.....	Conn.	Conn.	June 15, 1896	18	6	46	40	38	24	24				64
41	Dixon, Varien D.....	Ky.	Ky.	June 15, 1896	21	0	47	49	41	15	19				56
42	McManus, John.....	Pa.	Pa.	June 15, 1896	21	0	48	30	50	43	30				91
43	Doyle, Fred C.....	Mass.	Mass.	June 15, 1896	20	8	45	32	49	38	34				98
44	Goethe, James.....	S. C.	S. C.	June 18, 1896	19	4	34	41	36	47	36				103
45	Bowen, Frank S.....	Ohio.	Neb.	June 15, 1896	21	0	35	37	43	50	37				108
46	Brice, Pressley K.....	S. C.	S. C.	June 15, 1896	18	4	40	50	40	54	20				57
47	Wilén, John W.....	W. Va.	W. Va.	June 15, 1896	20	5	50	38	42	42	26				76
48	Gleaves, Samuel R.....	Va.	Va.	June 15, 1896	18	2	44	47	44	51	27				77
49	Comly, George B.....	Tex.	At Large.	June 15, 1896	17	9	53	54	6	6	14				38
50	Perkins, George.....	Wis.	Wis.	June 15, 1896	17	5	42	45	29	32	43				158
51	Watson, John.....	Kan.	Kan.	<sup>b</sup> June 19, 1895	20	5	52	48	45	39	32				95
52	McIntyre, Augustine..	Tenn.	Tenn.	June 15, 1896	19	11	49	51	30	33	42				156
53	Thomas, Richard M..	Pa.	Pa.	June 15, 1896	20	10	51	53	54	52	39				127
54	Harvey, Charles G.....	N.Y.	Mo.	June 18, 1896	20	6	54	52	53	31	44				164
	<sup>c</sup> Currie, Dennis H.....	Tex.	Tex.	June 18, 1896	21	11									3
	<sup>d</sup> Pillow, Jerome G.....	Tenn.	Ark.	June 15, 1895	19	10									11
	<sup>e</sup> Prunty, Leonard W...	Kan.	Kan.	June 15, 1896	20	10									17
	<sup>e</sup> Soléliac, Louis, Jr.....	N. J.	N. Y.	June 18, 1896	19	1									71

<sup>a</sup> Absent with leave (sick) during Annual Examination, June, 1897, and not examined; joined then Third Class, August 28, 1897.

<sup>b</sup> Turned back to join then Fourth Class, Jan. 26, 1897, for deficiency in Mathematics.

<sup>c</sup> Not examined—Absent with leave (sick) until August 28, 1899.

<sup>d</sup> Turned back to join then Fourth Class, Jan. 26, 1897, for deficiency in Mathematics. Not examined—Absent with leave (sick) until August 28, 1899.

<sup>e</sup> Suspended without pay from Dec. 14, 1898, until Aug. 28, 1899, and to join the then Second Class.

## Changes in the Second Class since June 30, 1898.

Baender, Charles L. Dismissed February 7, 1899.

Lane, Ferney G. Dismissed February 7, 1899.

## THIRD CLASS—79 MEMBERS.

Order of general merit.	Names.	Where born.	Appointed from	Date of Admission.	Age at date of Admission.		Order of merit in					Demerit for the year ending May 31, 1899.
					Years.	Mos.	Mathematics.	French.	Spanish.	Drawing.	Discipline.	
*1	Johnston, Edward N.	Mo.	Ore.	June 19, 1897	21	2	1	6	5	8	15	105
*2	Browning, William S.	N. Y.	N. Y.	*June 15, 1896	18	11	20	5	13	12	1	19
*3	Poole, John H.	Mich.	Wis.	June 19, 1897	18	8	5	14	7	1	23	115
*4	Jewett, Henry C.	N. Y.	N. Y.	June 18, 1897	18	2	22	16	9	2	4	46
*5	Peace, Willis G.	N. C.	N. C.	*June 18, 1896	20	9	27	18	20	7	2	33
6	Lee, Walter H.	N. C.	N. C.	June 19, 1897	18	10	4	15	10	35	26	124
7	Sherrill, Clarence O.	N. C.	N. C.	June 19, 1897	21	1	3	3	4	22	42	163
8	Peek, Ernest D.	Wis.	Wis.	June 19, 1897	18	7	9	37	31	5	4	46
9	Dent, Elliott J.	Pa.	Pa.	June 19, 1897	19	8	6	26	16	6	22	114
10	Jordan, Harry B.	Ky.	Wash.	June 19, 1897	21	4	35	17	18	11	3	41
11	Troxel, Orlando C.	Ill.	Kan.	June 18, 1897	21	7	26	7	3	55	5	81
12	Spalding, George R.	Mich.	Mich.	June 18, 1897	20	5	2	11	21	38	50	177
13	Willing, Wildurr.	Miss.	Miss.	June 19, 1897	21	2	8	29	24	54	14	102
14	Caples, William G.	Mo.	Mo.	June 19, 1897	18	10	15	20	11	66	18	109
15	Lahm, Frank P.	Ohio.	Ohio.	June 18, 1897	19	7	41	1	2	39	22	114
16	Bower, Nathaniel E.	Pa.	Pa.	June 18, 1897	18	3	7	46	40	15	16	107
17	Smith, Walter D.	Md.	Md.	June 19, 1897	21	7	11	19	15	3	38	149
18	Knight, Clarence H.	Ohio.	Fla.	June 18, 1897	17	4	13	40	55	23	11	96
19	Barnes, Joseph F.	D. C.	D. C.	June 19, 1897	18	9	23	9	6	64	41	155
20	Bryant, Arthur H.	Ohio.	Conn.	June 19, 1897	19	1	31	4	12	51	32	136
21	Brown, Lewis, Jr.	R. I.	R. I.	<sup>b</sup> June 19, 1897	21	4	14	24	47	16	36	146
22	West, Eugene R.	Va.	Va.	June 19, 1897	20	6	28	13	32	44	28	127
23	Higbee, Herbert G.	Iowa.	Iowa.	June 18, 1897	19	9	18	61	48	27	7	82
24	Carleton, Guy E.	Mich.	Mo.	June 19, 1897	20	8	10	42	64	4	31	135
25	Clark, Francis W.	Kan.	Ill.	June 19, 1897	19	7	21	45	63	19	8	83
26	Browne, Beverly F.	Va.	Va.	June 18, 1897	17	3	50	10	19	42	20	112
27	Guthrie, William L.	Iowa.	Col.	June 28, 1897	21	9	24	56	30	26	10	88
28	Baird, George H.	Kan.	Ill.	<sup>c</sup> June 15, 1896	19	7	48	21	17	73	6	77
29	Cox, Creed F.	Va.	Va.	June 19, 1897	20	0	34	30	27	28	12	98
30	Russell, George M.	N. H.	N. H.	June 19, 1897	19	2	29	2	1	46	56	198
31	Ennis, William P.	Cal.	Large	June 19, 1897	19	5	12	36	59	17	34	143
32	Williams, Arthur	Ind.	Ind.	June 18, 1897	20	3	19	38	58	20	24	119
33	Platt, William P.	N. C.	N. C.	June 18, 1897	21	9	16	52	39	32	25	120
34	Robinson, Gordon	La.	La.	June 19, 1897	20	9	44	41	14	31	19	111
35	Canfield, Edward, Jr.	N. Y.	N. Y.	June 18, 1897	17	1	17	39	35	34	44	169
36	Beck, Robert McC., Jr.	Md.	R. I.	<sup>d</sup> June 19, 1897	18	1	25	49	61	10	30	133

<sup>a</sup> Turned back to join Fourth Class, Jan. 25, 1898, for deficiency in Mathematics.

<sup>b</sup> Admitted June 15, 1895; discharged Jan. 26, 1897, for deficiency in Mathematics.

<sup>c</sup> Discharged January 25, 1898, for deficiency in Mathematics.

<sup>d</sup> Re-appointed February 5, 1898, and granted a leave of absence without pay until August 28, 1898, then to join the Third Class.

<sup>e</sup> Borne on former Registers as Robert T. Beck; name changed by authority of the Secretary of War, March 14, 1898.

## THIRD CLASS—79 MEMBERS.

Order of general merit.	Names.	Where born.	Appointed from	Date of Admission.	Age at date of Admission.		Order of merit in					Demerit for the year ending May 31, 1899.
					Years.	Mos.	Mathematics.	French.	Spanish.	Drawing.	Discipline.	
37	Berry, John A.....	N. J.	N. J.	June 19, 1897	17	4	59	25	22	14	21	113
38	Pratt, Raymond S.....	Minn.	Minn.	June 18, 1897	19	10	33	62	50	21	13	101
39	Maybach, Alfred A.....	Ohio.	Ohio.	June 18, 1897	21	6	49	44	36	36	22	114
40	Bettison, William R.....	Ky.	Ky.	June 19, 1897	21	2	36	51	56	9	33	139
41	Naylor, Charles J.....	Pa.	Pa.	June 19, 1897	21	9	56	12	38	33	48	174
42	Tidball, William.....	Va.	At Large.	<sup>a</sup> June 15, 1896	20	6	37	60	76	18	17	108
43	Oliver, Prince A.....	Pa.	Pa.	Aug. 31, 1897	21	0	52	28	37	64	35	144
44	Keyes, Allen C.....	Ill.	Minn.	June 19, 1897	19	1	60	22	33	60	27	125
45	Riggs, Kerr T.....	Ky.	Ky.	June 19, 1897	17	1	54	34	46	72	25	120
46	Hayden, Ralph N.....	N. Y.	N. Y.	June 19, 1897	18	3	53	23	26	30	53	187
47	Shinkle, Edward M.....	Ohio.	Ohio.	June 19, 1897	19	5	42	48	66	41	30	133
48	Symington, John.....	N. M.	N. M.	June 19, 1897	20	6	64	58	8	69	12	98
49	Pearson, John A.....	Tenn.	Tenn.	June 19, 1897	20	7	46	47	54	76	30	133
50	Furnival, Richard.....	Pa.	N. Y.	June 19, 1897	19	4	45	35	23	37	59	205
51	Sterling, Edmund K.....	Ohio.	Mich.	June 19, 1897	21	9	38	53	44	45	51	178
52	Müller, Carl H.....	Tex.	Tex.	June 19, 1897	18	3	30	73	49	29	48	174
53	Mueller, Albert H.....	Ill.	Ill.	June 19, 1897	21	11	40	64	52	43	48	174
54	Burnett, Charles.....	Tenn.	Ill.	June 19, 1897	19	8	66	33	28	65	32	139
55	Dougherty, Henry M.....	Pa.	N. Y.	June 19, 1897	19	5	45	70	60	40	40	151
56	Smith, Walter H.....	Ga.	Ga.	June 19, 1897	17	9	55	59	62	62	38	149
57	De Armond, Edward H.....	Mo.	Mo.	June 18, 1897	18	11	39	57	69	48	55	190
58	Gregory, Daniel D.....	Ill.	Mo.	June 19, 1897	21	10	47	43	41	67	59	205
59	Lynch, Arthur J.....	N. Y.	N. Y.	June 19, 1897	21	8	61	32	29	58	54	189
60	Prentice, James.....	N. Y.	N. Y.	<sup>b</sup> June 15, 1896	21	11	65	55	73	53	18	109
61	Brewster, Alden F.....	Ill.	Wis.	June 19, 1897	19	11	32	69	65	74	45	170
62	Eby, Charles McH.....	Pa.	Pa.	June 19, 1897	21	4	62	31	34	56	57	203
63	Brigham, Claude E.....	Ind.	Ind.	June 19, 1897	19	2	58	50	57	49	55	190
64	Deen, Fred L.....	Tex.	Tex.	June 18, 1897	18	3	51	54	45	75	58	204
65	Mangum, Wiley P., Jr.....	Tex.	Tex.	June 18, 1897	19	0	57	68	68	50	43	165
66	Keller, Frank.....	Ill.	Mo.	June 18, 1897	18	7	67	66	74	59	29	128
67	Cooley, William M.....	Mich.	Mich.	June 19, 1897	21	11	68	72	53	52	47	173
68	Enos, Copley.....	N. Y.	N. Y.	June 18, 1897	21	3	70	63	70	24	52	183
69	Meyer, Henry A., Jr.....	Ark.	Ark.	June 19, 1897	19	11	69	65	67	57	57	203
70	Pike, Emory J.....	Iowa.	Iowa.	June 19, 1897	20	6	72	75	51	68	49	175
71	Haskell, William N.....	N. Y.	N. Y.	June 19, 1897	18	10	74	74	75	63	46	172
72	Kent, Guy.....	Wyo.	Wyo.	June 19, 1897	19	8	71	71	72	47	56	198

<sup>a</sup> Turned back to join Fourth Class, Jan. 25, 1898, for deficiency in French.

<sup>b</sup> Turned back to new Fourth Class, June 23, 1897, for deficiency in Mathematics and granted a leave of absence until Aug. 28, 1897.

## THIRD CLASS—79 MEMBERS.

<i>Order of general merit.</i>	<i>Name.</i>	<i>Where born.</i>	<i>Appointed from.</i>	<i>Date of Admission.</i>	<i>Age at date of Admission.</i>		<i>Order of merit in.</i>					<i>Demerit for the year ending May 31, 1899.</i>
					<i>Years.</i>	<i>Mos.</i>	<i>Mathematics.</i>					
							<i>French.</i>	<i>Spanish.</i>	<i>Drawing.</i>	<i>Discipline.</i>		
‡	Fryer, Eli T.....	N. J.	N. J.	June 19, 1897	18	10	63	Def	43	25	39	150
‡	Lee, George M.....	Va.	Va.	<sup>a</sup> June 19, 1897	19	10	73	Def	42	70	57	203
†	Mitchell, Henry E.....	N. Y.	Large	June 19, 1897	18	10	Def	26	25	71	50	177
†	Nelly, Henry M.....	W. Va.	W. Va.	June 18, 1897	19	6	Def	76	71	13	9	86
<i>b</i>	Harlee, William C.....	Fla.	Fla.	June 19, 1897	20	0						223
<i>c</i>	Smith, Philip S.....	Neb.	Neb.	June 18, 1897	20	0						33
<i>d</i>	Gutierrez, Carlos.....	Salvador.	Salvador.	Aug. 31, 1897	17	0					37	147

*a* Admitted June 15, 1896; discharged Jan. 19, 1897, for deficiency in Mathematics.

*b* Discharged for deficiency in Discipline, to date July 30, 1899. Absent with leave since May 15, 1899.

*c* Suspended without pay from Sept. 21, 1898, until Aug. 28, 1899, on which date he will join then Third Class.

*d* Not examined—Receiving instruction under the provisions of a Joint Resolution of Congress, approved June 18, 1897.

#### Changes in the Third Class since June 30, 1898.

Evans, Ernest E. Discharged March 8, 1899, for deficiency in French.

Griffith, Fred'k D., Jr. (See Fourth Class.)

Haskell, Ernest E. Resigned April 22, 1899.

Jordan, Richard H. Discharged Jan. 28, 1899, for deficiency in Mathematics.

Maguire, Charles L. Discharged Jan. 28, 1899, for deficiency in Mathematics and French.

Murphy, John B. Discharged March 8, 1899, for deficiency in French.

Sheldon, Rowland C. Discharged Nov. 21, 1898, for deficiency in Mathematics.

Stevenson, William L. (See Fourth Class.)

Van Schaick, Louis J. Discharged Jan. 28, 1899, for deficiency in Mathematics.

Wilson, Alfred. Resigned April 27, 1899.

## FOURTH CLASS—94 MEMBERS.

Order of general merit.	Names.	Where born.	Appointed from	Date of Admission.	Age at date of Admission.		Order of merit in				Demerit for the year ending May 31, 1899.
					Years.	Mos.	Mathematics.	English.	French.	Discipline.	
*1	Abbot, Stephen.....	Ill.	Ill.	June 20, 1898	19	6	24	5	2	3	20
*2	Stewart, Gilbert H....	Kan.	N. Y.	June 20, 1898	19	7	7	2	20	4	22
*3	Brooke, Mark.....	S. C.	Pa.	June 20, 1898	21	10	9	20	3	6	29
*4	Moran, Edward J.....	N. Y.	N. Y.	June 18, 1898	20	10	43	9	8	5	23
*5	Longley, Francis F....	Ill.	Mich.	June 20, 1898	18	8	1	23	30	10	37
6	Carpenter, Wade H....	S. C.	S. C.	June 20, 1898	21	8	10	16	22	11	38
7	Mitchell, William A....	Ala.	Ga.	June 20, 1898	20	7	8	1	1	30	75
8	Hannum, Warren T. . .	Pa.	Pa.	July 5, 1898	18	3	20	38	10	15	43
9	Hinrichs, Fred. W., Jr.	N. Y.	N. Y.	June 20, 1898	19	8	5	18	4	26	67
10	Shannon, James A.....	Minn.	Minn.	June 20, 1898	19	1	41	12	11	16	44
11	Jennings, Charles H...	Conn.	Conn.	June 20, 1898	20	7	33	29	6	21	56
12	Casad, Adam F.....	Ind.	Kan.	June 20, 1898	20	4	17	17	35	15	43
13	Munroe, John E.....	Mass.	Mass.	June 20, 1898	17	5	11	30	13	28	69
14	Ralston, Robert R.....	Pa.	Pa.	June 20, 1898	20	3	3	27	14	36	84
15	Allen, Charles M.....	Ohio.	Ohio.	June 20, 1898	17	6	23	7	17	32	79
16	Frankenberger, Sam'l	W.Va.	W.Va.	June 20, 1898	19	2	26	70	31	12	39
17	Telford, Charles.....	Utah.	Utah.	June 20, 1898	20	5	6	32	21	35	82
18	Bell, James F.....	Pa.	Pa.	June 18, 1898	21	7	4	6	26	39	88
19	Goodspeed, Nelson A..	Vt.	Vt.	<sup>a</sup> June 19, 1897	21	1	15	44	48	14	41
20	Gibert, John M.....	Miss.	Miss.	June 20, 1898	18	7	28	13	28	29	70
21	Pegram, John C.....	Va.	Va.	June 20, 1898	17	4	27	42	43	18	53
22	Keller, Traugott F....	N. Y.	N. Y.	June 20, 1898	19	3	16	59	32	27	68
23	Aleshire, Olan C.....	Ill.	Ill.	June 20, 1898	20	0	2	14	27	47	99
24	Cleveland, John A.....	Ala.	Ala.	<sup>a</sup> June 18, 1897	21	3	12	35	44	28	69
25	Davis, William M.....	Ga.	Ga.	June 20, 1898	17	7	46	64	5	26	67
26	Hodges, Harry L.....	Va.	Va.	June 20, 1898	18	2	22	19	9	48	104
27	Foster, Victor S.....	La.	Tex.	<sup>b</sup> June 20, 1898	19	0	32	10	33	33	80
28	Apfel, Charles L.....	Austria.	N. Y.	June 18, 1898	19	8	21	26	12	49	105
29	Linton, Raymond A....	Mich.	Mich.	<sup>a</sup> Sept. 1, 1897	17	0	31	63	15	38	87
30	Tyler, Orville N.....	Md.	Md.	June 20, 1898	18	5	30	48	47	24	63
31	McCain, William A.....	Miss.	Miss.	June 20, 1898	19	10	40	31	51	19	54
32	Black, Frederick F....	Me.	Me.	Aug. 31, 1898	21	11	55	50	37	17	47
33	Dockery, Albert B.....	Miss.	Miss.	Aug. 31, 1898	19	9	38	73	53	16	44
34	Valliant, Rigby D.....	Ark.	Ark.	June 18, 1898	18	6	35	8	50	31	76
35	Alvord, Dean.....	Pa.	Pa.	June 20, 1898	19	8	39	3	42	37	86
36	Bull, Edmund L.....	N. Y.	N. J.	June 18, 1898	20	1	72	37	68	1	11

<sup>a</sup> Turned back to join the Fourth Class, June 21, 1898, for deficiency in French.

<sup>b</sup> Admitted June 19, 1897; discharged Jan. 25, 1898, for deficiency in Mathematics.

## FOURTH CLASS—94 MEMBERS.

Order of general merit.	Names.	Where born.	Appointed from	Date of Admission.	Age at date of Admission.		Order of merit in				Demerit for the year ending May 31, 1899.
					Years.	Mos.	Mathematics.	English.	French.	Discipline.	
37	Frazier, Laurence V....	Wis.	Wis.	June 20, 1898	18	3	37	28	24	43	95
38	McGinness, John R.....	Ohio.	Ohio.	June 20, 1898	19	9	63	56	56	7	31
39	Mahaffey, Birchie O....	Tex.	Tex.	June 20, 1898	21	0	34	21	62	27	68
40	Crissy, Myron S.....	Mich.	Mich.	June 18, 1898	19	5	47	69	38	22	60
41	Perry, Charles S.....	Iowa.	Iowa.	<sup>a</sup> June 19, 1897	20	2	14	75	16	50	106
42	Edwards, William W.	Mo.	Mo.	Aug. 31, 1898	20	6	44	36	54	23	61
43	Sprague, Ralph J.....	N. Y.	N. Y.	<sup>b</sup> June 20, 1898	21	3	82	4	59	2	19
44	Krumm, Herbert Z.....	Ohio.	Ohio.	June 18, 1898	20	1	53	39	7	45	97
45	Morgan, Gad .....	N. Y.	N. Y.	<sup>c</sup> June 20, 1898	21	0	54	33	52	20	55
46	Zane, Edmund L.....	Cal.	Cal.	<sup>d</sup> June 18, 1898	20	5	29	41	57	35	82
47	Griffith, Fred. D., Jr...	Cal.	Cal.	<sup>e</sup> June 19, 1897	17	2	13	101	19	56	119
48	Herr, John K.....	N. J.	N. J.	June 20, 1898	19	9	50	34	45	40	90
49	Stubbs, James B., Jr..	Tex.	Tex.	<sup>f</sup> June 20, 1898	20	2	66	22	63	22	60
50	Scott, Edmond M.....	Me.	Me.	June 18, 1898	17	6	69	40	25	34	81
51	Sheridan, Philip H.....	Ill.	Large	June 20, 1898	17	11	49	71	29	43	95
52	Robertson, Samuel W.	Miss.	Miss.	June 20, 1898	18	6	57	60	18	54	112
53	Wilson, Walter K.....	Tenn.	Tenn.	June 20, 1898	17	8	51	11	36	58	122
54	Albert, Sigmund S.....	Pa.	Pa.	June 20, 1898	17	7	48	24	40	58	122
55	Stevenson, William L.	Mich.	Mich.	<sup>g</sup> June 18, 1897	20	7	59	51	80	25	66
56	Rehkopf, Ned B.....	Iowa.	Iowa.	June 18, 1898	20	9	36	54	55	52	108
57	Doyle, John R.....	Pa.	Pa.	<sup>h</sup> June 20, 1898	20	6	75	45	72	18	53
58	McClellan, Benjamin F.	Miss.	La.	<sup>a</sup> June 19, 1897	17	11	18	61	69	55	115
59	Terrell, John P.....	N. Y.	N. Y.	June 18, 1898	18	2	62	52	49	41	92
60	Hobson, James M., Jr.	Ala.	Ala.	June 20, 1898	21	6	52	15	23	61	141
61	Morrison, William F..	Iowa.	Iowa.	June 18, 1898	17	3	42	72	78	46	98
62	Miller, Troup .....	Ga.	Ga.	June 18, 1898	19	4	68	76	61	39	88
63	Taulbee, Joseph F.....	Ky.	Ky.	<sup>b</sup> June 20, 1898	21	8	56	49	84	44	96
64	Boswell, Walter O.....	Ga.	Ga.	June 20, 1898	20	6	76	46	64	41	92
65	Bowlby, Henry L.....	Neb.	Neb.	June 18, 1898	18	5	25	67	39	65	168
66	Rodney, Dorsey R.....	Del.	Del.	June 25, 1898	18	0	80	78	58	30	75
67	Cowles, William H.....	Kan.	N. C.	June 20, 1898	20	1	45	83	77	53	110
68	Williams, William H...	N. Y.	N. Y.	June 18, 1898	17	4	19	25	46	68	188
69	Bower, David H.....	Iowa.	Iowa.	June 18, 1898	21	3	71	57	70	51	107
70	Barry, John B. A.....	Tenn.	Tenn.	June 18, 1898	18	5	67	43	34	64	157
71	Smith, Andrew W.....	Pa.	Pa.	June 18, 1898	20	4	70	84	71	50	106
72	Russell, William C.....	Ill.	Ill.	June 24, 1898	17	9	58	79	76	59	129

<sup>a</sup> Turned back to join the Fourth Class, June 21, 1898, for deficiency in French.

<sup>b</sup> Admitted June 29, 1897; discharged Jan. 25, 1898, for deficiency in Mathematics.

<sup>c</sup> Admitted June 19, 1897; resigned Jan. 30, 1898.

<sup>d</sup> Admitted June 19, 1897; discharged Jan. 25, 1898, for deficiency in Mathematics.

<sup>e</sup> Turned back to join the Fourth Class, Nov. 19, 1898, for deficiency in Mathematics.

<sup>f</sup> Absent (sick) from Dec. 17, 1897, to Aug. 28, 1898, when he joined Fourth Class.

<sup>g</sup> Admitted June 18, 1897; resigned Jan. 5, 1898.

<sup>h</sup> Admitted June 19, 1897; discharged Jan. 25, 1898, for deficiency in English.

## FOURTH CLASS—94 MEMBERS.

Order of general merit.	Names.	Where born.	Appointed from	Date of Admission.	Age at date of Admission.		Order of merit in				Demerit for the year ending May 31, 1899.
					Years.	Mos.	Mathematics.	English.	French.	Discipline.	
73	Foley, Oscar.....	Mo.	Mo.	June 18, 1898	19	8	61	68	74	62	143
74	Burnam, Anth'y R., Jr	Ky.	Ky.	June 18, 1898	17	6	64	65	83	59	129
75	Barlow, Stephen M....	Conn.	Wis.	June 20, 1898	20	6	81	86	41	57	121
76	Miller, Benjamin F.....	Va.	Va.	June 18, 1898	17	11	79	91	67	60	130
77	Phillips, Burt W.....	Ohio.	Ohio.	June 18, 1898	20	1	83	95	66	60	130
78	Devall, James W.....	La.	La.	June 18, 1898	18	0	65	47	79	69	194
79	Vernon, Stephen B.....	Italy.	N.Y.	June 18, 1898	18	3	60	81	60	69	194
80	Cooper, Hiram M.....	N.C.	Ga.	June 18, 1898	21	3	78	74	73	66	175
81	Clark, Charles B.....	Ky.	Ky.	June 20, 1898	19	7	77	87	75	67	184
‡	Boyd, Carl.....	Ga.	Ga.	June 18, 1898	19	5	Def	94	85	53	110
†	Boyers, Robert E.....	Ohio.	Ohio.	<sup>a</sup> June 20, 1898	21	6	73	55	Def	42	93
†	Colvin, William M.....	Mo.	Pa.	June 20, 1898	21	7	74	93	Def	9	36
‡	Dinsmore, Paul A.....	Ill.	Cal.	<sup>b</sup> Aug. 31, 1898	21	0	Def	58	81	8	35
‡	Franklin, John F.....	Tenn.	Tenn.	June 20, 1898	18	10	Def	85	86	63	152
‡	Free, Charles O.....	Ind.	Ind.	June 18, 1898	21	6	84	82	Def	13	40
†	Harrell, William F.....	S. C.	S. C.	June 18, 1898	18	10	85	89	Def	58	122
†	Horton, William H., Jr.	Tenn.	Tenn.	June 20, 1898	20	2	Def	77	65	48	104
†	Rozelle, George F., Jr.	Ark.	Ark.	June 18, 1898	20	5	Def	90	82	42	93
‡	Strong, Henry T.....	Mass.	Mass.	June 20, 1898	18	6	Def	62	87	70	208
‡	Williams, Richard P...	Ga.	Ariz.	June 18, 1898	19	0	Def	53	Def	Def	214
c	Meekison, Alexander B	Ohio.	Ohio.	July 11, 1898	21	4					99
c	Shallenberger, Wm. A.	Pa.	Pa.	June 18, 1898	20	2					70.

a Admitted June 19, 1897; resigned January 30, 1898.

b Discharged January 25, 1898, for deficiency in Mathematics.

c Absent with leave (sick) until Aug. 28, 1899. Not examined.

### Changes in Fourth Class since June 30, 1898.

Amerine, William H. Discharged Jan. 28, 1899, for deficiency in Mathematics.

Booz, Oscar L. Resigned Oct. 31, 1898.

Gough, Roger D. Discharged Jan. 30, 1899, for deficiency in Mathematics.

Hutzler, Louis S. Discharged Nov. 11, 1898, for deficiency in Discipline.

Nelson, Earl A. Resigned July 9, 1898.

Norton, David W. Resigned July 13, 1898.

Oldham, Edward L. Discharged Jan. 28, 1899, for deficiency in Mathematics.

Preston, Homer N. Discharged Jan. 28, 1899, for deficiency in Mathematics.

Rich, Charles H. Discharged March 10, 1899, for Physical Disability.

Rudolph, Aaron H. Discharged March 17, 1899, for deficiency in Mathematics.

Schellberg, Leo E. Discharged Oct. 24, 1898, for Physical Disability.

Smith, Thomas B. F. Discharged Jan. 28, 1899, for deficiency in Mathematics.

Thomas, Edmund. Discharged April 20, 1899, for deficiency in Mathematics.

West, George W. Discharged Feb. 10, 1899, for deficiency in Mathematics and English.

## CADETS ADMITTED IN JULY AND AUGUST, 1898.

<i>Number.</i>	<i>Names.</i>	<i>Where born</i>	<i>Appointed from</i>	<i>Date of Admission.</i>	<i>Age at date of Admission.</i>	
					<i>Yrs.</i>	<i>Mos.</i>
1	Hannum, Warren Thomas.....	Pa.	Pa.	..... July 5 .....	18	3
2	Thomas, Edmund .....	N. C.	N. C.	..... July 7 .....	19	4
3	Meekison, Alexander Bruce.....	Ohio.	Ohio.	..... July 11 .....	21	4
4	Black, Frederick Frasier.....	Me.	Me.	..... August 31 .....	21	11
5	Dinsmore, Paul Anderson.....	Ill.	Cal.	..... August 31 .....	21	0
6	Dockery, Albert Bowdre.....	Miss.	Miss.	..... August 31 .....	19	8
7	Edwards, William Waller.....	Mo.	Mo.	..... August 31 .....	20	6
8	Preston, Homer Neill .....	Minn.	Minn.	..... August 31 .....	20	5

## CADETS ADMITTED JUNE, 1899.

<i>Number.</i>	<i>Names.</i>	<i>Where born.</i>	<i>Appointed from</i>	<i>Date of Admission.</i>	<i>Age at date of Admission.</i>	
					<i>Years.</i>	<i>Mos.</i>
1	Adams, Lewis Milton.....	Pa.	Large	... June 13 ...	17	0
2	Ahrends, Arthur Emmett.....	Ind.	Ind.	... June 13 ...	20	4
3	Baker, Scott.....	Ind.	Ind.	... June 17 ...	17	6
4	Bendel, Cornelius Stockmar.....	Cal.	Cal.	... June 13 ...	20	3
5	Blair, Winn .....	Ala.	Ala.	... June 13 ...	20	3
6	Boughton, Roland Wallace.....	Mich.	Mich.	... June 13 ...	19	11
7	Bowman, Everett Newton.....	Cal.	Iowa.	... June 6 ...	21	11
8	Brinton, Louis Cass, Jr.....	Pa.	Pa.	... June 13 ...	19	0
9	Brown, Levi Galloway.....	Miss.	Miss.	... June 13 ...	19	10
10	Burnett, John Donald, Jr.....	Ala.	Ala.	... June 13 ...	19	4
11	Burton, Kenneth Eugene.....	Wis.	Wis.	... June 13 ...	20	9
12	Butler, Clifton Morgan.....	Ore.	Ore.	... June 13 ...	19	1
13	Campbell, Valentine Benson.....	Ill.	Ill.	... June 13 ...	18	8
14	Carr, Earl Henry.....	Ill.	Ill.	... June 13 ...	17	8
15	Clark, Paul Hedrick.....	Ill.	Ill.	... June 13 ...	20	5
16	Cocheu, George Wilbur .....	N. Y.	N. Y.	... June 13 ...	20	8
17	Colley, Henning Ferdinand.....	Iowa.	Iowa.	... June 13 ...	17	7
18	Collins, Owen Glenn.....	Ill.	Ill.	... June 13 ...	19	10
19	Cooke, Amos Mott.....	Ohio.	Col.	... June 13 ...	18	11
20	Cowan, William Virgil.....	Ohio.	Cal.	... June 13 ...	20	9
21	Cron, Anton Cæsar.....	Wis.	Mich.	... June 13 ...	20	7
22	Cunningham, Frederick Haines.....	N. Y.	N. Y.	... June 13 ...	21	8
23	Davis, Marion Stuart.....	N. C.	N. C.	... June 13 ...	21	11
24	Downs, Jirah Marston.....	Ohio.	Ohio.	... June 13 ...	19	11
25	Dunstan, Robert Peel.....	Mich.	Mich.	... June 13 ...	21	3
26	Faller, Leo Joseph.....	Pa.	Pa.	... June 13 ...	20	2
27	Farmer, Ellery.....	Mo.	Mo.	... June 13 ...	19	9
28	Farnsworth, Edward Ellis.....	N. H.	Mass.	... June 13 ...	18	11
29	Farnum, Francis Hamilton.....	Pa.	Pa.	... June 13 ...	17	8
30	French, John Charles.....	Mo.	Kan.	... June 13 ...	19	0
31	Fridge, Arthur Washington.....	La.	Miss.	... June 13 ...	17	10
32	Gallagher, Walter Vincent.....	N. Y.	N. Y.	... June 13 ...	19	4
33	Gaston, Jesse.....	S. C.	S. C.	... June 10 ...	21	4
34	Gilmor, Albert.....	Md.	Large	... June 13 ...	19	4
35	Gimperling, Thomas Norton.....	Ohio.	Ohio.	... June 13 ...	19	0
36	Glass, Ralph Rigby.....	Me.	Me.	... June 13 ...	18	11

## CADETS ADMITTED JUNE, 1899.

Number.	Names.	Where born.	Appointed from	Date of Admission.	Age at date of Admission.	
					Years.	Mos.
37	*Gough, Roger Donald .....	Ind.	Ind.	... June 10 ...	18	7
38	Grant, Ulysses S., 3d.....	Ill.	Large	... June 13 ...	17	11
39	Gregory, Keith Sumner.....	N. Y.	N. Y.	... June 13 ...	18	10
40	Gray, Quinn .....	Tex.	Tex.	... June 10 ...	20	8
41	Grier, Harry Surgisson.....	Pa.	Pa.	... June 13 ...	19	4
42	Grieves, Loren Chester.....	Mich.	Mich.	... June 13 ...	21	4
43	Guild, George Rendel.....	Neb.	Neb.	... June 17 ...	19	0
44	Hascall, William Chace.....	R. I.	N. H.	... June 13 ...	18	8
45	Hawkins, Wilford Judson.....	N. Y.	Conn.	... June 10 ...	21	11
46	Hawley, Harry .....	N. Y.	N. Y.	... June 13 ...	18	7
47	Hill, Boyd Almon.....	Ill.	Ill.	... June 13 ...	19	9
48	Hinkle, Francis Maurice.....	Ind.	Ind.	... June 13 ...	20	4
49	Hodges, Campbell Blackshear.....	La.	La.	... June 10 ...	18	2
50	Hoffman, Corbit Strickland.....	N. J.	N. J.	... June 10 ...	20	7
51	Howard, Stuart Ainslee.....	Ohio.	N. Y.	... June 10 ...	20	2
52	Howze, Marion William.....	Ala.	Ala.	... June 21 ...	19	4
53	Hoyt, Charles Sherman.....	Kan.	Large	... June 13 ...	19	9
54	Hunt, Elvid.....	N. Y.	N. Y.	... June 13 ...	21	9
55	Jones, Clifford .....	Ga.	Ga.	... June 13 ...	19	6
56	Jones, James Sumner.....	W. Va.	W. Va.	... June 13 ...	18	1
57	Kensel, Frederic.....	S. C.	Mass.	... June 13 ...	21	8
58	Kunzig, Louis Albert.....	Pa.	Pa.	... June 13 ...	17	5
59	Lacy, Clement Lee.....	Ind.	Ind.	... June 13 ...	20	7
60	Leeds, Charles Tileston.....	Mass.	Mass.	... June 13 ...	20	1
61	Loomis, Mason Walter.....	Ill.	Ill.	... June 13 ...	18	3
62	Lynch, George Arthur.....	Iowa.	Iowa.	... June 13 ...	19	2
63	Lynn, Clark.....	Ind.	Ill.	... June 13 ...	21	6
64	Lyon, Robert Morgan.....	Neb.	S. D.	... June 13 ...	20	6
65	MacArthur, Douglas.....	Ark.	Wis.	... June 13 ...	19	4
66	Mack, Jacob Arthur.....	S. C.	S. C.	... June 20 ...	20	5
67	Madison, Irving Monroe.....	Minn.	Minn.	... June 13 ...	19	7
68	McCroskey, Benjamin Barratt.....	Cal.	Cal.	... June 13 ...	19	4
69	McKie, John William .....	Canada.	Wis.	... June 13 ...	17	0
70	Milton, Alexander Mortimer.....	Va.	Va.	... June 13 ...	20	2
71	Moore, Charles Beatty.....	Ark.	Ark.	... June 13 ...	18	4
72	Moore, Richard Curtis.....	Mo.	Mo.	... June 13 ...	18	6
73	Morrison, George Lynn.....	Ohio.	Va.	... June 13 ...	17	9

α Admitted June 18, 1898; discharged January 30, 1899, for deficiency in Mathematics.

## CADETS ADMITTED JUNE, 1899.

Number.	Names.	Where born.	Appointed from	Date of Admission.	Age at date of Admission.	
					Years.	Mos.
74 <sup>a</sup>	Motlow, William Goodlett.....	Tenn.	Tenn.	... June 10 ...	20	5
75	Murphy, Grayson Mallet-Prevost..	Pa.	Large	... June 10 ...	20	5
76	Murphy, John Joseph.....	N. Y.	N. Y.	... June 13 ...	17	0
77	Nelson, George Edgar.....	Vt.	Vt.	... June 13 ...	21	3
78	Nichols, William Morse.....	Conn.	Large	... June 13 ...	17	6
79 <sup>b</sup>	Owsley, Ray Edora.....	Ky.	Ky.	... June 13 ...	19	8
80	Parker, Sam Minter.....	Tex.	Tex.	... June 13 ...	19	6
81	Patterson, Charles Herman.....	Pa.	Pa.	... June 13 ...	21	5
82	Phipps, Frank Huntington, Jr.....	N. Y.	Large	... June 13 ...	20	0
83 <sup>*</sup>	Ponte, Andrés.....	Venezuela.	Venezuela.	... June 10 ...	17	7
84	Pope, Allan Melvill.....	Mass.	Mass.	... June 10 ...	19	6
85 <sup>c</sup>	Preston, Homer Neill.....	Minn.	Minn.	... June 10 ...	21	2
86	Quarles, Robert Edward.....	Ky.	Ky.	... June 13 ...	20	1
87	Ristine, Ben Frazer.....	Ind.	Ind.	... June 13 ...	20	2
88	Samuelson, Leo Israel.....	Ill.	Tex.	... June 13 ...	19	11
89	Schley, Julian Larcombe.....	Ga.	Ga.	... June 10 ...	19	3
90	Scotten, Ernest Guy.....	Ind.	Ill.	... June 13 ...	20	4
91	Shnyder, Frederick Ernest.....	Pa.	Pa.	... June 13 ...	20	8
92	Smith, Charles Ferguson.....	N. D.	Large	... June 13 ...	21	9
93	Smith, Frederic Harrison.....	Ohio.	Ohio.	... June 13 ...	20	0
94	Smith, Manasseh, Jr.....	Canada.	Me.	... June 13 ...	19	5
95	Snorf, Charles Howard.....	Ind.	Ind.	... June 13 ...	19	3
96	St. Aubin, Alexandre Louis Landry de.....	La.	La.	... June 13 ...	19	4
97	Sulzer, Charles Augustus.....	N. J.	N. Y.	... June 10 ...	20	3
98	Taylor, Reuben Chapman.....	Col.	Ala.	... June 13 ...	18	0
99	Turtle, Lewis.....	W. Va.	Large	... June 10 ...	19	5
100	Tyler, Max Clayton.....	N. D.	N. D.	... June 13 ...	18	8
101	Upham, John Southworth.....	Wash.	Cal.	... June 10 ...	17	7
102	Van Natta, Thomas Fraley, Jr.....	Kan.	Mo.	... June 10 ...	18	6
103	Warren, Frederick Saily.....	N. Y.	N. Y.	... June 10 ...	19	2
104	White, Andrew Jackson.....	Pa.	Pa.	... June 10 ...	17	8
105	Williams, Ferdinand.....	Md.	Md.	... June 13 ...	17	7
106	Wilson, Arthur Harrison.....	Ill.	Ill.	... June 10 ...	17	9
107	Wimberly, Albert Courtney.....	Ga.	Ga.	... June 10 ...	20	8
108	Wuest, Jacob Winfield Scott Hancock.....	Ohio.	Ohio.	... June 13 ...	18	11
109	Young, Henry Allen.....	Ill.	Kan.	... June 13 ...	20	1
110	†Yglesias, Luis.....	Costa Rica	Costa Rica	... June 13 ...	20	5
111	Zell, Edward Marie.....	Cuba.	N. J.	... June 10 ...	19	0

<sup>a</sup> Admitted June 18, 1897; discharged January 25, 1898, for deficiency in Mathematics and English.

<sup>b</sup> Resigned June 27, 1899.

<sup>c</sup> Admitted August 31, 1898; discharged January 28, 1899, for deficiency in Mathematics.

\* To be received for instruction under provisions of Joint Resolution of Congress, approved February 9, 1899.

† To be received for instruction under provisions of Joint Resolution of Congress, approved, January 28, 1899.

GENERAL MERIT ROLL OF THE GRADUATING CLASS OF 1899.

Class Rank.	Names.	MERIT IN													General Merit.	Recommended for promotion in—	
		Mathematics.	English.	French.	Spanish.	Natural and Experimental Philosophy.	Chemistry, Chemical Physics, Mineralogy and Geology.	Drill Regulations.	Drawing.	Civil and Military Engineering.	History.	Law.	Ordnance and Gunnery.	Discipline.			
	Maximum in each branch.	400.0	50.0	150.0	85.0	300.0	225.0	100.0	125.0	300.0	100.0	150.0	150.0	200.0	2335.0		
1	Woodruff, James A. ....	390.9	48.0	141.3	80.9	290.2	222.9	100.0	115.9	294.4	95.3	149.2	144.4	195.3	2268.7	Engineers, Ordnance, Artillery, Cavalry or Infantry.	
2	Kelly, William. ....	400.0	47.0	134.1	75.1	300.0	220.7	98.7	125.0	297.2	88.7	142.1	150.0	182.9	2261.5		
3	Stickle, Horton W. ....	390.8	50.0	148.6	83.3	286.1	217.7	97.6	70.2	300.0	97.2	144.7	145.8	181.7	2217.5		
4	Rand, Lewis H. ....	396.4	46.7	144.2	81.7	295.8	221.9	96.3	62.4	291.5	96.2	140.1	147.2	149.5	2169.9		
5	Markham, Edward M. ....	383.8	49.0	116.7	73.5	288.8	197.5	97.2	111.6	288.7	93.4	144.7	137.3	176.1	2158.3		
6	Jackson, Thomas H. ....	360.6	45.1	131.2	80.1	277.6	220.7	96.7	85.5	274.6	99.1	139.0	143.0	190.1	2143.3		
7	Coleman, Le Vert. ....	332.0	47.4	150.0	85.0	293.0	213.3	94.0	48.8	277.5	100.0	149.4	134.5	163.7	2088.6		
8	Putnam, Alfred B. ....	353.4	44.7	118.1	72.7	265.1	191.4	93.1	121.6	260.1	78.4	135.9	141.6	198.1	2074.2		
9	Bunnell, Geo. W. Jr. ....	296.8	42.4	138.4	78.4	248.4	212.4	89.6	105.2	285.9	85.0	140.7	148.6	187.0	2058.8		Ordnance, Artillery, Cavalry or Infantry.
10	Wigmore, Hubert L. ....	367.0	41.8	128.3	79.2	262.2	201.9	90.7	99.4	252.1	87.8	143.2	135.9	149.5	2039.0		
11	Waldron, Albert E. ....	366.4	22.3	54.3	41.4	283.3	197.4	85.3	107.3	280.3	67.1	124.7	140.1	176.1	1946.0		
12	Nicholls, Jesse C. ....	372.4	46.7	139.6	64.7	255.3	201.9	70.6	72.0	253.1	66.2	105.8	130.3	121.6	1930.2		
13	Jewell, Frank C. ....	297.3	49.7	139.9	77.6	203.7	183.8	92.8	114.7	226.8	92.5	132.0	123.2	186.7	1920.7		
14	Gallup, Fred H. ....	364.9	43.4	132.6	76.0	266.3	181.5	71.8	86.5	266.2	61.5	85.7	120.4	128.7	1885.5		
15	McDonough, Michael J. ....	334.1	45.7	147.1	76.8	270.6	179.1	78.2	119.3	207.0	76.5	117.0	93.7	126.5	1871.6		
16	Guiney, Patrick W. ....	257.3	44.1	110.9	51.3	248.2	175.5	93.3	79.3	246.5	83.1	136.4	119.0	189.5	1834.4		
17	Roberts, Hugh A. ....	320.5	29.6	102.2	57.9	236.9	187.6	89.2	85.1	232.4	80.3	111.4	127.5	162.2	1822.8		
18	Clark, Charles B. ....	282.5	35.2	123.9	64.4	195.1	180.8	97.4	96.1	190.1	89.7	125.2	121.8	196.0	1798.2		
19	Schull, Herman W. ....	336.8	30.5	121.0	67.7	262.2	183.0	72.2	58.9	271.8	64.3	74.2	103.5	147.9	1794.0	Artillery, Cavalry or Infantry.	
20	Farrar, Henry B. ....	327.8	28.6	80.4	50.5	239.8	165.6	80.3	97.1	235.2	77.5	117.0	110.6	178.0	1788.4		
21	Carter, Clifton C. ....	341.0	34.8	90.6	56.2	234.3	128.3	95.7	115.2	229.6	54.9	103.5	112.0	189.8	1785.9		
22	Kroner, Leon B. ....	347.7	48.4	135.5	63.6	219.0	159.6	96.1	74.6	212.7	69.0	86.1	138.7	121.6	1772.6		
23	Romeyn, Charles A. ....	275.2	44.4	126.8	61.2	202.5	169.2	94.4	110.7	263.4	63.4	87.2	114.8	153.5	1766.7		
24	Hunt, Irvin L. ....	300.7	48.7	97.8	71.0	253.9	138.4	84.4	91.2	249.3	65.3	92.0	99.3	160.3	1753.3		
25	Clark, Henry B. ....	312.2	43.7	119.6	66.9	195.0	208.0	78.0	115.4	159.1	60.6	109.7	95.1	186.4	1749.7		
26	Simonds, George S. ....	260.8	46.4	105.1	74.3	196.5	200.5	88.4	46.9	257.7	94.4	107.2	96.5	157.5	1732.2		
27	Bushfield, Llewellyn N. ....	358.1	29.2	86.2	44.7	280.5	169.1	72.9	81.1	209.9	62.4	113.1	117.6	98.3	1723.1		

28	Ray, James B.	325.1	18.0	87.8	55.4	228.7	145.7	77.1	65.0	240.8	59.6	123.5	124.7	159.1	1710.5
29	Cooke, Francis N.	233.4	41.1	129.7	82.5	144.7	149.9	88.3	96.9	238.0	90.6	134.2	113.4	160.3	1703.0
30	Embick, Stanley D.	270.4	35.5	76.1	60.3	251.1	191.5	79.6	47.8	201.4	98.1	117.8	104.9	146.0	1680.5
31	Ansell, Samuel T.	264.2	47.7	112.3	71.8	205.1	150.6	70.7	85.2	181.7	79.3	131.7	106.3	168.7	1675.3
32	Granger, Ralph S.	244.8	44.9	142.8	70.2	172.7	140.7	83.4	118.7	167.6	68.1	109.2	126.1	182.6	1671.8
33	Peck, Robert H.	281.7	49.3	113.8	62.0	188.4	183.7	68.0	72.0	195.7	73.7	103.4	109.2	146.9	1647.3
34	Humphrey, Evan H.	277.7	43.1	96.4	49.7	217.6	124.9	72.9	88.5	215.5	82.2	114.8	116.2	152.2	1646.7
35	Yates, Halsey E.	294.8	36.5	92.0	52.9	159.3	157.6	74.9	74.2	204.2	81.2	101.6	133.1	183.6	1645.6
36	Trott, Clement A.	249.3	40.1	79.0	65.3	153.3	180.0	79.1	90.1	184.5	86.9	110.3	131.7	186.7	1636.3
37	Moseley, George Van H.	218.8	37.8	99.3	40.6	196.5	108.6	92.6	103.2	221.1	75.6	132.0	92.3	194.4	1612.8
38	Farmer, Charles C., Jr.	244.0	24.9	74.6	24.9	203.4	176.7	79.9	64.5	269.0	72.8	92.8	100.7	169.6	1607.8
39	Burt, Wilson B.	323.8	38.1	83.3	57.1	225.9	134.1	82.6	84.7	156.3	57.7	113.4	88.0	136.1	1581.1
40	Brown, Walter S.	257.1	34.2	57.2	39.0	193.8	172.1	87.5	46.2	243.7	70.0	117.9	107.8	150.7	1577.2
41	Minus, Josiah C.	303.3	36.1	100.7	58.7	194.9	157.7	68.6	43.9	192.9	71.8	108.3	81.0	156.6	1574.5
42	Bundel, Charles M.	213.8	27.3	81.9	54.6	171.3	138.3	79.0	120.5	178.8	70.9	109.1	102.1	185.7	1533.3
43	Heintzelman, Stuart	279.8	38.8	106.5	38.2	225.9	117.3	71.0	57.6	198.5	84.0	112.3	86.6	94.3	1510.8
44	Hancock, Gwynn R.	202.7	30.1	106.7	35.1	239.6	155.8	79.8	116.5	161.9	44.6	70.8	76.8	175.5	1495.9
45	Harris, Henry L., Jr.	325.6	45.4	103.6	39.8	189.1	104.5	66.3	115.6	147.9	43.7	86.6	128.9	89.6	1486.6
46	Halstead, Laurence	263.1	20.7	64.5	37.3	161.4	127.3	71.8	86.5	254.9	56.8	82.9	79.6	171.1	1482.9
47	Foster, Pierce C.	202.6	23.6	137.0	66.1	200.7	128.6	80.8	45.0	218.3	58.7	93.9	85.2	123.7	1464.2
48	VanDuyne, Frederick W.	270.6	30.9	65.9	45.5	168.5	94.0	62.2	120.0	223.9	39.9	64.9	97.9	157.8	1442.0
49	Herron, Charles D.	202.0	39.1	77.5	43.1	157.4	137.9	79.3	82.9	187.3	74.6	97.4	69.7	165.6	1413.8
50	Long, John D.	296.4	19.6	125.4	68.6	140.5	103.7	76.5	71.2	133.8	51.2	66.1	83.8	167.1	1403.9
51	Calvert, Robert B.	205.2	20.7	81.3	45.2	180.8	176.9	88.7	74.4	150.7	54.0	83.0	58.5	138.3	1357.7
52	Jarrett, George D.	229.9	31.5	89.1	47.2	203.3	118.1	61.3	107.1	170.4	48.4	72.3	50.0	128.4	1357.0
53	Heidt, Grayson V.	230.9	36.8	109.4	62.8	186.8	102.5	79.8	64.9	153.5	41.8	90.9	61.3	134.6	1356.0
54	Rhea, James C.	218.3	24.6	70.3	69.4	192.3	138.6	70.2	60.1	145.0	53.1	87.4	90.9	128.7	1348.9
55	Hanson, James	223.4	33.5	115.2	59.5	129.4	140.4	81.3	51.9	136.6	55.9	78.7	66.9	174.3	1347.0
56	Brown, Fred R.	175.8	26.3	94.9	53.8	158.8	90.9	81.4	105.7	164.8	52.1	82.7	64.1	183.9	1335.2
57	Merry, William T.	200.2	26.6	73.2	42.3	144.9	106.9	76.1	94.9	139.4	49.3	86.1	73.9	193.5	1307.3
58	Kerr, Frederick B.	243.7	21.6	55.8	35.7	178.2	108.1	68.6	102.6	176.0	37.1	64.1	71.1	116.9	1279.5
59	Cabell, Lawrence D.	222.0	34.5	67.4	48.0	174.3	91.7	69.5	60.4	173.2	40.8	60.4	89.4	133.6	1265.2
60	Game, Clyffard	150.9	38.5	60.1	43.9	136.4	122.6	69.0	48.6	108.5	85.9	122.4	75.4	182.0	1244.2
61	Stuart, George W.	180.8	37.1	93.5	52.1	160.2	105.6	71.6	71.5	125.3	50.2	64.7	62.7	160.6	1235.9
62	Foy, Robert C.	192.0	46.0	108.0	46.4	158.6	120.3	67.0	55.5	142.2	47.4	62.1	59.9	112.6	1218.0
63	Way, Henry N.	157.0	18.7	58.7	31.6	122.4	146.0	67.4	44.2	128.1	91.5	59.3	78.2	151.6	1154.7
64	Patten, William T.	158.0	31.2	68.8	34.0	130.7	127.1	75.8	61.2	105.6	45.5	72.9	54.2	188.2	1153.2
65	Major, Duncan K., Jr.	150.9	22.6	84.8	48.8	113.9	83.5	86.0	74.7	131.0	38.0	65.2	82.4	164.0	1145.8
66	Justice, James	213.4	42.7	71.7	29.1	108.4	78.3	76.3	105.3	102.8	42.7	60.4	65.5	136.4	1133.0
67	Oliver, Llewellyn W.	156.0	33.2	51.4	28.3	114.0	106.0	79.4	99.7	122.5	46.5	53.9	57.0	164.3	1112.1
68	Cowan, Arthur S.	170.8	25.6	61.6	32.4	121.0	81.3	69.8	80.2	111.3	34.3	54.5	72.5	167.8	1083.1
69	Robichon, Hector A.	207.1	28.9	122.5	33.2	100.0	78.1	60.4	48.9	116.9	36.2	52.5	52.8	137.7	1075.2
70	McNally, Reginald E.	135.6	24.3	63.0	36.5	112.2	85.6	67.2	75.8	114.1	39.0	70.0	68.3	148.5	1039.1
71	Peyton, Ephraim G.	182.1	30.2	52.9	29.9	109.7	82.6	67.0	60.9	119.7	35.2	55.7	55.6	143.3	1024.8
72	McClure, Albert N.	150.7	26.9	50.0	30.8	102.8	77.1	69.4	70.2	100.0	33.3	51.7	51.4	170.2	984.5

Artillery,  
Cavalry or  
Infantry.Cavalry or  
Infantry.

NOTE.—Practical Military Engineering is omitted, the Class not having completed the course.

*LIST OF DISTINGUISHED CADETS REPORTED AT  
THE ANNUAL EXAMINATION, 1899.*

Number.	Names.	Where born.	Appointed from	Science and Art in which each Cadet particularly excels.
<b>FIRST CLASS.</b>				
1	Woodruff, James A. ....	Mont.	Vt.	Civil and Military Engineering and Science of War, Law, History, Ordnance and Gunnery, Drill Regulations, Natural and Experimental Philosophy, Chemistry, Chemical Physics, Mineralogy and Geology, Drawing, Mathematics, English, French, and Spanish.
2	Kelly, William .....	N. Y.	Wis.	Civil and Military Engineering and Science of War, Law, Ordnance and Gunnery, Drill Regulations, Natural and Experimental Philosophy, Chemistry, Chemical Physics, Mineralogy and Geology, Drawing, and Mathematics.
3	Stickle, Horton W. ....	Iowa.	Iowa.	Civil and Military Engineering and Science of War, Law, History, Ordnance and Gunnery, Drill Regulations, Natural and Experimental Philosophy, Chemistry, Chemical Physics, Mineralogy and Geology, Mathematics, English, French, and Spanish.
4	Rand, Lewis H. ....	N. J.	N. J.	Civil and Military Engineering and Science of War, Law, History, Ordnance and Gunnery, Drill Regulations, Natural and Experimental Philosophy, Chemistry, Chemical Physics, Mineralogy and Geology, Mathematics, French, and Spanish.
5	Markham, Edward M. ....	N. Y.	N. Y.	Civil and Military Engineering and Science of War, Law, History, Drill Regulations, Natural and Experimental Philosophy, Mathematics, and English.

*LIST OF DISTINGUISHED CADETS REPORTED AT  
THE ANNUAL EXAMINATION, 1899.*

Number.	Names.	Where born.	Appointed from	Science and Art in which each Cadet particularly excels.
<b>SECOND CLASS.</b>				
1	Pillsbury, George B. ....	Mass.	Mass.	Natural and Experimental Philosophy, Chemistry, Chemical Physics, Mineralogy and Geology, Drill Regulations, and Drawing.
2	Adams, Edward M. ....	Mich.	Mass.	Natural and Experimental Philosophy, Chemistry, Chemical Physics, Mineralogy and Geology, Drill Regulations, and Drawing.
3	Rhett, Edmund M. ....	S. C.	S. C.	Natural and Experimental Philosophy, Chemistry, Chemical Physics, Mineralogy and Geology, and Drill Regulations.
4	Lukesh, Gustave R. ....	Ohio.	Ohio.	Natural and Experimental Philosophy, Chemistry, Chemical Physics, Mineralogy and Geology, and Drawing.
5	Lawson, Charles R. ....	Mass.	Mass.	Natural and Experimental Philosophy, Chemistry, Chemical Physics, Mineralogy and Geology, and Drill Regulations.
<b>THIRD CLASS.</b>				
1	Johnston, Edward N. ....	Mo.	Ore.	Mathematics, French, Spanish, and Drawing.
2	Browning, William S. ....	N. Y.	N. Y.	French.
3	Poole, John H. ....	Mich.	Wis.	Mathematics, Spanish, and Drawing.
4	Jewett, Henry C. ....	N. Y.	N. Y.	Spanish, and Drawing.
5	Peace, Willis G. ....	N. C.	N. C.	Drawing.
<b>FOURTH CLASS.</b>				
1	Abbot, Stephen. ....	Ill.	Ill.	English, and French.
2	Stewart, Gilbert H. ....	Kan.	N. Y.	Mathematics, and English.
3	Brooke, Mark. ....	S. C.	Pa.	Mathematics, and French.
4	Moran, Edward J. ....	N. Y.	N. Y.	English, and French.
5	Longley, Francis F. ....	Ill.	Mich.	Mathematics.

NOTE.—The Cadets in each Class reported as “distinguished” are the first five according to class rank. Only the subjects in which the Cadet stands above tenth are mentioned.

## Battalion Organization.

FEBRUARY 15, 1899.

For instruction in Infantry Tactics and in military police and discipline, the Cadets are organized into a battalion of four companies, under the Commandant of Cadets, each company being commanded by an officer of the Army. The officers and non-commissioned officers are selected from those Cadets who have been most studious, soldier-like in the performance of their duties, and most exemplary in their general deportment. In general, the captains and lieutenants are taken from the first class; the sergeants from the second class; and the corporals from the third class.

"A."

"B."

"C."

"D."

### CAPTAINS.

J. A. WOODRUFF,<sup>1</sup> H. W. SCHULL,<sup>3</sup> A. N. McCLURE,<sup>4</sup> C. C. CARTER.<sup>2</sup>

### LIEUTENANTS.

A. B. PUTNAM, *Adjutant.*

W. KELLY, *Quartermaster.*

G. V. H. MOSELEY,<sup>2</sup> C. B. CLARK,<sup>3</sup> L. W. OLIVER,<sup>5</sup> I. L. HUNT,<sup>1</sup>  
 G. W. BUNNELL, JR.,<sup>4</sup> E. H. HUMPHREY,<sup>6</sup> T. H. JACKSON,<sup>11</sup> F. C. JEWELL,<sup>7</sup>  
 A. E. WALDRON,<sup>8</sup> C. A. TROTT,<sup>10</sup> E. M. MARKHAM,<sup>15</sup> D. K. MAJOR, JR.,<sup>9</sup>  
 R. S. GRANGER,<sup>12</sup> G. W. STUART,<sup>14</sup> P. W. GUINEY,<sup>16</sup> F. R. BROWN.<sup>13</sup>

L. S. MOREY, *Sergeant-Major.*

G. B. COMLY, *Quartermaster-Sergeant.*

### 1st SERGEANTS.

W. V. MORRIS,<sup>1</sup> W. S. GRANT,<sup>3</sup> J. A. BAER,<sup>4</sup> E. M. ADAMS.<sup>2</sup>

### SERGEANTS.

G. A. YOUNGBERG,<sup>1</sup> E. M. RHETT,<sup>3</sup> P. K. BRICE,<sup>4</sup> E. G. DAVIS,<sup>2</sup>  
 C. C. CARSON,<sup>5</sup> C. L. J. FROHWITTER,<sup>11</sup> J. R. SLATTERY,<sup>7</sup> F. O. WHITLOCK,<sup>6</sup>  
 R. F. JACKSON,<sup>9</sup> L. T. HILLMAN,<sup>12</sup> W. I. WESTERVELT,<sup>8</sup> J. WATSON,<sup>10</sup>  
 G. B. PILLSBURY,<sup>16</sup> J. W. WILEN,<sup>14</sup> F. C. DOYLE,<sup>15</sup> R. H. FENNER.<sup>13</sup>

### CORPORALS.

E. N. JOHNSTON,<sup>1</sup> F. KELLER,<sup>3</sup> F. W. CLARK,<sup>4</sup> A. C. KEYES,<sup>2</sup>  
 G. E. CARLETON,<sup>5</sup> A. WILLIAMS,<sup>7</sup> J. H. POOLE,<sup>6</sup> R. T. BECK,<sup>9</sup>  
 H. C. JEWETT,<sup>12</sup> J. SYMINGTON,<sup>14</sup> C. F. COX,<sup>11</sup> C. BURNETT,<sup>9</sup>  
 H. B. JORDAN,<sup>13</sup> W. H. LEE,<sup>15</sup> J. F. BARNES,<sup>15</sup> W. P. ENNIS,<sup>10</sup>  
 W. WILLING,<sup>16</sup> B. F. BROWNE,<sup>19</sup> W. S. BROWNING,<sup>20</sup> W. L. GUTHRIE.<sup>17</sup>

The figures indicate relative rank.

## Battalion Organization.

JUNE 30, 1899.

For instruction in Infantry Tactics and in military police and discipline, the Cadets are organized into a battalion of four companies, under the Commandant of Cadets, each company being commanded by an officer of the Army. The officers and non-commissioned officers are selected from those Cadets who have been most studious, soldier-like in the performance of their duties, and most exemplary in their general deportment. In general, the captains and lieutenants are taken from the first class; the sergeants from the second class; and the corporals from the third class.

"A."

"B."

"C."

"D."

### CAPTAINS.

E. M. ADAMS,<sup>1</sup>G. B. PILLSBURY,<sup>4</sup>J. A. BAER,<sup>3</sup>W. S. GRANT.<sup>2</sup>

### LIEUTENANTS.

W. V. MORRIS, *Adjutant.*R. F. JACKSON, *Quartermaster.*G. A. YOUNGBERG,<sup>2</sup>E. M. RHETT,<sup>1</sup>J. R. SLATTERY,<sup>4</sup>C. R. LAWSON,<sup>5</sup>L. S. MOREY,<sup>3</sup>G. B. COMLY,<sup>7</sup>E. G. DAVIS,<sup>6</sup>R. H. FENNER,<sup>8</sup>J. W. WILEN,<sup>11</sup>W. I. WESTERVELT,<sup>12</sup>C. L. J. FROHWITTER,<sup>10</sup> P. K. BRICE.<sup>9</sup>F. P. LAHM, *Sergeant-Major.*J. H. POOLE, *Quartermaster-Sergeant.*

### 1st SERGEANTS.

E. N. JOHNSTON,<sup>1</sup>G. R. SPALDING,<sup>4</sup>F. W. CLARK,<sup>3</sup>A. C. KEYES.<sup>2</sup>

### SERGEANTS.

F. KELLER,<sup>1</sup>G. E. CARLETON,<sup>3</sup>W. S. BROWNING,<sup>4</sup>R. MCC. BECK,<sup>2</sup>E. D. PEEK,<sup>5</sup>W. H. LEE,<sup>7</sup>C. F. COX,<sup>8</sup>W. L. GUTHRIE,<sup>6</sup>H. B. JORDAN,<sup>9</sup>B. F. BROWNE,<sup>11</sup>J. SYMINGTON,<sup>12</sup>C. BURNETT,<sup>10</sup>H. C. JEWETT,<sup>13</sup>O. C. TROXEL,<sup>15</sup>J. F. BARNES,<sup>16</sup>W. R. BETTISON.<sup>14</sup>

### CORPORALS.

O. N. TYLER,<sup>1</sup>J. F. BELL,<sup>3</sup>W. L. STEVENSON,<sup>4</sup>F. W. HINRICHS,<sup>2</sup>J. P. TERRELL,<sup>5</sup>J. M. GIBERT,<sup>7</sup>A. F. CASAD,<sup>8</sup>F. F. LONGLEY,<sup>6</sup>J. M. HOBSON,<sup>9</sup>J. A. SHANNON,<sup>11</sup>E. M. SCOTT,<sup>12</sup>B. O. MAHAFFEY,<sup>10</sup>C. M. ALLEN,<sup>13</sup>R. D. VALLIANT,<sup>15</sup>M. BROOKE,<sup>16</sup>J. E. MUNROE,<sup>14</sup>E. L. BULL,<sup>17</sup>P. H. SHERIDAN,<sup>19</sup>J. K. HERR,<sup>20</sup>S. ABBOT.<sup>18</sup>

The figures indicate relative rank.

## Course of Study and Books Used at the Military Academy.

(Books marked thus \* are for reference.)

### FIRST YEAR.—FOURTH CLASS.

DEPARTMENT.	COURSE OF STUDY, TEXT-BOOKS, AND BOOKS OF REFERENCE.
Mathematics.	Davies' Elements of Algebra. Davies' Legendre's Geometry. Ludlow's Elements of Trigonometry. C. Smith's Conic Sections.—Peck's Determinants. Davies' Surveying. *Ludlow's Logarithmic Tables.
Modern Languages.	Williams' Composition and Rhetoric. Abbott's How to Write Clearly. Meiklejohn's English Language. *Smith's Synonyms Discriminated. *Roget's Thesaurus of English Words.   *Webster's Dictionary. De Peiffer's French Pronunciation. Keetels' Analytical and Practical French Grammar. Castarède's Treatise on the Conjugation of French Verbs. Roemer's Cours de Lecture et de Traduction, Vol. I. Bôcher's College Series of French Plays, Vol. II. *Spiers' and Surene's French Pronouncing Dictionary.
Drill Regulations, U. S. Army.	Practical Instruction in the Schools of the Soldier, Company and Battalion—Infantry. Theoretical Instruction in the School of the Soldier and Company. Practical and Theoretical Instruction in the School of the Cannoneer—Siege and Light Artillery. Theoretical and Practical Instruction in the Service of Security and Information. Exercises in applied Tactics, and Practice Marches—Infantry. Theoretical and Practical Instruction in Target Practice. U. S. Army Drill Regulations.   Firing Regulations for Small Arms. Wagner's Manual of Security and Information.
Use of the Sword, &c	Instruction in Fencing with Rapier and Broad Sword, and Bayonet Exercise, and Military Gymnastics.

### SECOND YEAR.—THIRD CLASS.

DEPARTMENT.	COURSE OF STUDY, TEXT-BOOKS, AND BOOKS OF REFERENCE.
Mathematics.	C. Smith's Conic Sections and Solid Geometry. Church's Descriptive Geometry, with its application to Spherical Projections, Shades, Shadows and Perspective. Bass' Differential Calculus. Church's Integral Calculus. Johnson's Text Book on the Method of Least Squares.
Modern Languages.	Borel's Grammaire Française. Hennequin's Lessons in Idiomatic French. Bôcher's College Series of French Plays, Vol. II. Roemer's Cours de Lecture et de Traduction, Vol. II. Revue Militaire de l'Étranger. The Weekly Figaro. Edgren's Compendious French Grammar. *De Peiffer's French Pronunciation. *Spiers' and Surene's French Pronouncing Dictionary. Monsanto and Languellier's Spanish Grammar. Knapp's Spanish Grammar. Mantilla's Spanish Reader, No. 3. Knapp's Spanish Reader. Eco de Madrid. *Seoane's Neumann and Baretti's Spanish Dictionary.

**SECOND YEAR.—THIRD CLASS (Continued).**

DEPARTMENT.	COURSE OF STUDY, TEXT-BOOKS, AND BOOKS OF REFERENCE.
Drawing.	Constructive Problems in Plane Geometry. Point Paths. Topography and plotting of Surveys with lead pencil, pen and ink, and colors; construction of the various problems in Descriptive Geometry, Shades and Shadows, Linear Perspective and Isometric Projections; Practical Surveying in the Field. Field Reconnaissance Contouring, and Sketching with and without instruments; Theory of color and laying of tints; History of Cartography and Topography; Triangulation and large Surveys. Lectures on the foregoing. *Reed's Topographical Drawing and Sketching, including Photography Applied to Surveying.
Drill Regulations, U. S. Army.	Practical Instruction in the Schools of the Soldier, Company and Battalion—Infantry. Practical Instruction in the School of the Cannoneer—Light Artillery; and School of the Trooper—Cavalry; and Equitation. Practical Instruction in Small Arm Target Practice. Practical Instruction in the Service of Security and Information. Exercises in applied Tactics and Practice Marches—Infantry. U. S. Army Drill Regulations. Firing Regulations for Small Arms. Wagner's Manual of Security and Information.
Practical Military Engineering.	Practical Instruction in the Construction of Ponton, Spar and Trestle Bridges.

**THIRD YEAR.—SECOND CLASS.**

DEPARTMENT.	COURSE OF STUDY, TEXT-BOOKS, AND BOOKS OF REFERENCE.
Natural and Experimental Philosophy.	Michie's Analytical Mechanics. Michie and Harlow's Practical Astronomy. Young's General Astronomy. Michie's Elements of Wave-Motion relating to Sound and Light.
Chemistry, Mineralogy and Geology.	Tillman's Descriptive General Chemistry. Tillman's Elementary Lessons in Heat (2d Edition). Tracy's Anatomy, Physiology and Hygiene. Thompson's Elementary Lessons in Electricity and Magnetism (new and revised edition). Tillman's Elementary Text-Book of Mineralogy. LeConte's Elements of Geology (4th Edition).
Drawing.	Free Hand Drawing and Landscape in black and white. Mechanical and Architectural Drawing in ink and colors; Military Landscape, Sketching in the Field; Memory Drawing; Free-hand Mechanical Drawing without instruments; Building Construction, working Drawings and Isometric Sections; Engineering and Ordnance Drawing; Lectures on all the foregoing subjects with stereopticon. *Reed's Topographical Drawing and Sketching, including Photography Applied to Surveying.
Drill Regulations, U. S. Army.	Practical Instruction in the Schools of the Soldier, Company and Battalion—Infantry. Theoretical Instruction in Drill Regulations—Infantry. Practical Instruction in the School of the Cannoneer—Sea Coast Artillery. Theoretical Instruction in Drill Regulations for Light Artillery. Practical Instruction in the Schools of the Troop and Squadron—Cavalry; and Equitation.

**THIRD YEAR.—SECOND CLASS (Continued).**

DEPARTMENT.	COURSE OF STUDY, TEXT-BOOKS, AND BOOKS OF REFERENCE.
Drill Regulations, U. S. Army.	Practical Instruction in the Service of Security and Information. Exercises in applied Tactics, and Practice Marches—Infantry. Practical Instruction in Small Arm Target Practice; Lectures on Post, Company and Staff Administration. United States Army Infantry, and Artillery Drill Regulations. Firing Regulations for Small Arms. Wagner's Manual of Security and Information.
Practical Military Engineering.	Practical Instruction in the Construction of Ponton Bridges; in laying Gun Platforms, and in the Construction of Revetments and Obstacles. Practical and Theoretical Instruction in Military Signaling.

**FOURTH YEAR.—FIRST CLASS.**

DEPARTMENT.	COURSE OF STUDY, TEXT-BOOKS, AND BOOKS OF REFERENCE.
Civil and Military Engineering and Science of War.	Wheeler's Civil Engineering. Fieberger's Field Fortifications. Mercur's Mahan's Permanent Fortification (Edition of 1887). Mercur's Attack of Fortified Places. Wagner's Organization and Tactics and the Service of Security and In- formation. Mahan's Stereotomy.
Law.	Davis's Elements of Law. Davis's International Law. Davis's Military Law, Flanders' Manual of the Constitution of the United States.
History and His- torical Geography.	Fisher's Brief History of the Nations. *Labberton's New Historical Atlas.
Practical Military Engineering.	Demolitions. Practical Instruction in the Construction of Ponton, Trestle and Spar Bridges; in the preparation and application of Siege Materials; and in laying out Field and Siege Works. Practical Instruction in Military Reconnaissances on foot and mounted; in Field Telegraphy, Night Signaling, and the use of the Heliograph. *Ernst's Manual of Practical Military Engineering.
Natural and Experimental Philosophy.	Practical Instruction in Astronomy.
Drill Regulations, U. S. Army.	Practical Instruction in the Schools of the Soldier, Company and Bat- talion—Infantry; of the Troop and Squadron—Equitation. Theoretical Instruction U. S. Cavalry Drill Regulations. Practical Instruction in the School of the Battery—Light and Horse Artillery. Practical Instruction in the Service of Security and Information; Exer- cises in applied Tactics; Practical Instruction in Small Arm Target Practice; Practice Marches—Infantry, Cavalry and Artillery; Lec- tures in Customs of Service and Military Etiquette; Lectures on Age of Horse, Horseshoeing, Stable Management and Practical Work at Stables, &c. United States Army Cavalry Drill Regulations. United States Army Drill Regulations. Firing Regulations for Small Arms. Wagner's Manual of Security and Information.
Ordnance and Gunnery.	Bruff's Ordnance and Gunnery. Ingall's Ballistic Tables.

## INFORMATION RELATIVE TO THE APPOINTMENT AND ADMISSION OF CADETS TO THE UNITED STATES MILITARY ACADEMY.

### APPOINTMENTS.

**How Made.**—Each Congressional District and Territory—also the District of Columbia—is entitled to have one Cadet at the Academy. Twenty are also appointed *at large*. The appointments (except those *at large*) are made by the Secretary of War at the request of the Representative, or Delegate, in Congress from the District or Territory; and the person appointed must be an actual resident of the District or Territory from which the appointment is made. The appointments *at large* are specially conferred by the President of the United States.

**Manner of Making Applications.**—Applications can be made at any time, by letter to the Secretary of War, to have the name of the applicant placed upon the register so that it may be furnished to the proper Representative, or Delegate, when a vacancy occurs. The application must exhibit the full name, date of birth, and permanent abode of the applicant, with the number of the Congressional District in which his residence is situated.

**Date of Appointments.**—Appointments are required by law to be made one year in advance of the date of admission, except in cases where, by reason of death or other cause, a vacancy occurs which cannot be provided for by such appointment in advance. These vacancies are filled in time for the next annual examination.

**Alternates.**—The Representative, or Delegate, in Congress may nominate a legally qualified second candidate, to be designated the *alternate*. The alternate will receive from the War Department a letter of appointment, and will be examined *at the same time as the regular appointee*, and if duly qualified will be admitted to the Academy in the event of the failure of the principal to pass the prescribed preliminary examinations. The alternate will not be allowed to defer his reporting at West Point for examination until the result of the examination of the regular appointee is known, but must report at the time designated in his letter of appointment. The alternate, like the nominee, should be designated as nearly one year in advance of date of admission as possible.

### ADMISSION OF CADETS.

Candidates selected by the War Department shall be instructed to appear for mental and physical examination before Boards of Army Officers to be convened at such places as the War Department may select on the 1st day of March annually (except when that day comes on Sunday, in which case the examination will commence on the following Tuesday). The candidates who pass successfully will be admitted to the Academy in the following June.

Candidates selected to fill the vacancies unprovided for at the examinations held in March, will be instructed to report at West Point for mental and physical examination early in June. No candidate will be examined at any other time, unless prevented from presenting himself by sickness, or some other unavoidable cause, in which case he will be examined during the last week in August.

Immediately after reporting to the Superintendent for admission, and before receiving his warrant of appointment, the candidate is required to sign an engagement for service in the following form, in the presence of the Superintendent, or of some officer deputed by him:

"I, \_\_\_\_\_, of the State (or Territory) of \_\_\_\_\_, aged \_\_\_\_\_ years \_\_\_\_\_ months, do hereby engage (with the consent of my parent or guardian) that, from the date of my admission as a Cadet of the United States Military Academy, I will serve in the Army of the United States for eight years, unless sooner discharged by competent authority."  
In the presence of \_\_\_\_\_

The candidate is then required to take and subscribe an oath or affirmation in the following form:

"I, \_\_\_\_\_, do solemnly swear that I will support the Constitution of the United States, and bear true allegiance to the National Government; that I will maintain and defend the sovereignty of the United States, paramount to any and all allegiance, sovereignty,

or fealty I may owe to any State or country whatsoever; and that I will at all times obey the legal orders of my superior officers, and the rules and articles governing the Armies of the United States."

Sworn and subscribed, at \_\_\_\_\_, this \_\_\_\_\_ day of \_\_\_\_\_, eighteen hundred and \_\_\_\_\_  
before me.

**Qualifications.**—No candidate will be admitted who is under seventeen, or over twenty-two years of age, or who is deformed, or afflicted with any disease or infirmity which would render him unfit for the military service, or who has, at the time of presenting himself, any disorder of an infectious or immoral character. Accepted candidates if between seventeen and eighteen years of age should not fall below five feet three inches in height and one hundred pounds in weight; if between eighteen and nineteen years, five feet three and one-half inches in height and one hundred and five pounds in weight; if over nineteen, five feet four inches in height and one hundred and ten pounds in weight. Candidates must be unmarried. Candidates must be well versed in reading, in writing including orthography, and in arithmetic, and must have a knowledge of the elements of English grammar, of descriptive geography (particularly of our own country) and of the history of the United States.

## CHARACTER OF EXAMINATIONS.\*

### PHYSICAL EXAMINATION.

Every candidate is subjected to a rigid physical examination, and if there is found to exist in him any of the following causes of disqualification to such a degree as would immediately or at no very distant period impair his efficiency, he is rejected:

- 1.—Feeble constitution; unsound health from whatever cause; indications of former disease, glandular swellings, or other symptoms of scrofula.
- 2.—Chronic cutaneous affections, especially of the scalp.
- 3.—Severe injuries of the bones of the head; convulsions.
- 4.—Impaired vision, from whatever cause; inflammatory affections of the eyelids; immobility or irregularity of the iris; fistula lachrymalis, &c., &c.
- 5.—Deafness; copious discharge from the ears.
- 6.—Loss of many teeth, or the teeth generally unsound.
- 7.—Impediment of speech.
- 8.—Want of due capacity of the chest, and any other indication of a liability to a pulmonary disease.
- 9.—Impaired or inadequate efficiency of one or both of the superior extremities on account of fractures, especially of the clavicle, contraction of a joint, deformity, &c.
- 10.—An unusual excurvature or incurvature of the spine.
- 11.—Hernia.
- 12.—A varicose state of the veins of the scrotum or spermatic cord (when large), hydrocele, hemorrhoids, fistulas.

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NOTE.—Candidates are eligible for admission from the day they are 17, until the day they become 22 years of age, on which latter day they are not eligible.

There being no provision whatever for the payment of the traveling expenses of either accepted or rejected candidates for admission, no candidate should fail to provide himself in advance with the means of returning to his home, in case of his rejection before either of the Examining Boards, as he may otherwise be put to considerable trouble, inconvenience, and even suffering on account of his destitute condition. After defraying their expenses while here all balances due to candidates who fail to pass the entrance examinations are promptly refunded. If admitted, the money brought by him to meet such a contingency can be deposited with the Treasurer on account of his equipment as a Cadet, or returned to his friends.

\*It is suggested to all candidates for admission to the Military Academy that, before leaving their place of residence for West Point they should cause themselves to be thoroughly examined by a competent physician, and by a teacher or instructor in good standing. By such an examination any *serious* physical disqualification or deficiency in mental preparation would be revealed, and the candidate probably spared the expense and trouble of a useless journey and the mortification of rejection.

It should be understood that the informal examination herein recommended is solely for the convenience and benefit of the candidate himself, and can in no manner affect the decision of the Academic and Medical Examining Boards at West Point.

13.—Impaired or inadequate efficiency of one or both of the inferior extremities on account of varicose veins, fractures, malformation (flat feet, &c.), lameness, contraction, unequal length, bunions, overlying or supernumerary toes, &c., &c.

14.—Ulcers, or unsound cicatrices of ulcers likely to break out afresh.

#### ACADEMICAL EXAMINATION.

**Reading.**—In *Reading*, candidates must be able to read understandingly, with proper accent and emphasis.

**Writing and Orthography.**—In *Writing and Orthography*, they must be able, from dictation, to write sentences from standard pieces of English literature, both prose and poetry, sufficient in number to test their qualifications both in hand-writing and orthography. They must also be able to write and spell correctly from dictation, a certain number of standard test words.

**Arithmetic.**—In *Arithmetic*, they must be able—

1st. To explain, accurately and clearly, its objects and the manner of writing and reading numbers—entire—fractional—compound or denominate;

2d. To perform with facility and accuracy the various operations of addition—subtraction—multiplication and division of whole numbers, abstract and compound or denominate, giving the rule for each operation, *with its reasons*, and also for the different methods of proving the accuracy of the work;

3d. To explain the meaning of reduction—its different kinds—its application to denominate numbers in reducing them from a higher to a lower denomination and the reverse, and to equivalent decimals; to give the rule for each case, *with its reasons*, and to apply readily these rules to practical examples of each kind;

4th. To explain the nature of prime numbers, and factors of a number—of a common divisor of two or more numbers, particularly of their *greatest common divisor*—with its use, and to give the rule, *with its reasons*, for obtaining it, also the meaning of a common multiple of several numbers, particularly of their *least common multiple* and its use, and to give the rule, *with its reasons*, for obtaining it, and to apply each of these rules to examples;

5th. To explain the nature of fractions, common or vulgar, and decimal—to define the various kinds of fractions, with the distinguishing properties of each—to give all the rules for their reduction; particularly from mixed to improper and the reverse—from compound or complex to simple—to their lowest terms—to a common denominator—from common to decimal and the reverse; for their addition—subtraction—multiplication and division, *with the reason* for each change of rule, and to apply each rule to examples;

6th. To define the terms, ratio and proportion—to give the properties of proportion and the rules and *their reasons*, for stating and solving questions in both simple and compound proportion, or single and double rule of three, and to apply these rules to examples;

7th. *The candidates must not only know the principles and rules referred to above, but they are required to possess such a thorough understanding of all the fundamental operations of arithmetic as will enable them to combine the various principles in the solution of any complex problem which can be solved by the methods of arithmetic. In other words they must possess such a complete knowledge of arithmetic as will enable them to take up at once the higher branches of mathematics without further study of arithmetic;*

8th. It is to be understood that the examination in these branches may be either written or oral, or partly written and partly oral—that the definitions and rules must be given fully and accurately, and that the work of all examples, whether upon the black-board, slate, or paper, must be written plainly and in full, and in such a manner as to show clearly the mode of solution.

The following examples and questions in Arithmetic are a few of those which have been used at past examinations. They are given in order to indicate more clearly what is required, but it should be distinctly understood that entirely different ones are used each year.

Multiply 4.32 by .00012.

Explain the reason for placing the decimal point in the answer. [*The rule for so doing is not the reason.*]

Reduce  $\frac{5\frac{1}{2} + \frac{7\frac{1}{2}}{0.6} - 0.725}{4 + 3.45}$  to an equivalent decimal.

Divide 3380321 by MDCCXCIX, and express the quotient by the Roman system of notation. Change .013 to an equivalent fraction whose denominator is 135.

Find the greatest common divisor of  $26\frac{1}{4}$ ,  $28\frac{3}{4}$ , and  $29\frac{1}{8}$ .

How many men would be required to cultivate a field of  $2\frac{3}{4}$  acres in  $5\frac{1}{2}$  days of 10 hours each, if each man completed 77 square yards in 9 hours?

Separate  $772\%$  into three numbers, which shall be in the same proportion as  $2\frac{1}{2}$ ,  $\frac{7}{10}$ ,  $\frac{6}{10}$ . 5 cubic feet of gold weigh 98.20 times as much as a cubic foot of water; and 2 cubic feet of copper weigh 18 times as much as a cubic foot of water; how many cubic inches of copper will weigh as much as  $\frac{7}{8}$  of a cubic inch of gold?

Find the least common multiple for the numbers  $\frac{3}{4}$ , 2.1, 5.25,  $\frac{1}{2}$ .

A wins 9 games out of 15 when playing against B, and 16 out of 26 when playing against

C. How many games out of 118 should C win when playing against B?

A and B run a race, their rates of running being as 17 to 18. A runs  $2\frac{1}{2}$  miles in 16 minutes 48 seconds, and B runs the entire distance in 34 minutes. What was the entire distance?

A and B can do a piece of work in 4 hours, A and C in  $3\frac{3}{8}$  hours, B and C in 5 hours. In what time can A do it alone?

English shillings are coined from a metal which contains 37 parts of silver to 3 parts of alloy; one pound of this metal is coined into 66 shillings. The United States silver dollar weighs 412.5 grains, and consists of 9 parts silver to 1 part of alloy. What fraction of the U. S. dollar will contain the same amount of silver as 1 English shilling?

Give the rule for reducing a decimal of a given denomination to integers of lower denominations.

What is the effect of dividing the denominator of a fraction by a whole number, and why?

Explain the difference between a common fraction and a decimal.

What is the effect of annexing a cipher to a decimal, and why?

If the same number be subtracted from both terms of an improper fraction, what will be the effect? Why?

Give the rule for reducing a common fraction to an equivalent decimal, and explain why the resulting decimal will be equal to the common fraction from which it is obtained.

Give the rule for dividing one decimal by another, and explain why the decimal point in the quotient is placed where the rule directs.

Define Reduction, and state the different kinds.

**Grammar.**—In *English Grammar*, candidates must be able—

1. To define the parts of speech, and give their classes and properties; to give inflections, including declension, conjugation and comparison; to give the corresponding masculine and feminine gender-nouns; to give and apply the ordinary rules of syntax.

2. To parse fully and correctly any ordinary sentence, omitting rules, declensions, comparisons, and principal parts, but giving the subject of each verb, the governing word of each objective case, the word for which each pronoun stands or to which it refers, the words between which each preposition shows the relation, precisely what each conjunction connects, what each adjective and adverb qualifies or limits, the construction of each infinitive, and, generally, to show a good knowledge of the function of each word in the sentence. Omissions will be taken to indicate ignorance.

3. To correct in sentences or extracts any ordinary grammatical errors such as are mentioned and explained in ordinary grammars.

It is not required that any particular grammarian or text-book shall be followed; but rules, definitions, parsing, and corrections must be in accordance with good usage and common sense. The examination may be written or oral, or both written and oral.

**Geography.**—Candidates will be required to pass a satisfactory examination, written or oral, or both, in *Geography*, particularly of our own country. To give a candidate a clear idea of what is required, the following synopsis is added to show the character and extent of the examination. Questions are likely to be asked involving knowledge of:

1st. Definitions of the geographical circles, of latitude and longitude, of zones and of all the natural divisions of the earth's surface, as islands, seas, capes, &c.

2d. The continental areas and grand divisions of the water of the earth's surface.

3d. The grand divisions of the land—the large bodies of water which in part or wholly surround them.

Their principal mountains, location, direction, and extent; the capes, from what parts they project and into what waters?

Their principal peninsulas, location, and by what waters are they embraced?

The parts connected by an isthmus, if any;

Their principal islands, location and surrounding waters;

The seas, gulfs, and bays, the coasts they indent, and the waters to which they are subordinate;

The straits, the lands they separate, and the waters they connect;

Their principal rivers, their sources, directions of flow, and the waters into which they empty;

Their principal lakes, location and extent.

4th. The political divisions of the grand divisions.

Their names, locations, boundaries, and capitals; general questions of the same character as indicated in the second section, made applicable to each of the countries of each of the grand divisions.

5th. The United States.

The candidate should be thoroughly informed as to its general features, configuration, location, and boundaries (both with respect to neighboring countries, and latitude and longitude); its adjacent oceans, seas, bays, gulfs, sounds, straits, and islands; its mountain ranges, their location and extent; the sources, directions, and terminations of the important rivers and their principal tributaries; the lakes, and, in short, every geographical feature of the country as indicated above. The location and termination of important railroad lines and other means of communication from one part of the country to another should not be omitted.

The States and Territories are to be accurately located with respect to each other by their boundaries, and as to their order along the Atlantic Coast, the Gulf of Mexico, the Pacific Coast, the Northern frontier, the Mexican frontier, and the Mississippi, Missouri, and Ohio Rivers.

The boundary and other large rivers of each State, as well as all other prominent geographical features should be known.

The names and locations of their capitals, and other important cities and towns are likewise to be known.

In short, the knowledge should be so complete that a clear mental picture of the whole or any part of the United States is impressed on the mind of the candidate. More weight is attached to a knowledge of the geography of the United States than to that of all other countries combined.

**History.**—The candidate should make himself familiar with so much of the *History of the United States* as is contained in the ordinary school histories. The examination may be written or oral, or partly written and partly oral, and will usually consist of a series of questions similar to the following:

I.—Name the earliest European settlements within the present limits of the United States—when, where, and by whom made? When did the settlements made by other nations than the English, come under the dominion of Great Britain, and of the United States?

II.—What was the difference between the Royal, the Chartered, and the Proprietary colonies? How many colonies were there originally in Massachusetts and Connecticut? When were they united? How many in Pennsylvania? When were they separated?

III.—In what wars were the colonies engaged before the Revolution? What were the principal events and results of those of King William, Queen Anne, King George, and the French and Indian?

IV.—What were the remote and the immediate causes of the American Revolution? Explain the Navigation Act, Stamp Act, Writs of Assistance. When did the War of the Revolution properly begin? When, where, and how did it end? Give the particulars of Arnold's treason. Who were the most prominent generals in this war? Name the most important battles and their results.

V.—The Constitution of the United States—why and when was it formed! When was it adopted!

VI.—Give the names of the Presidents of the United States in their order. Give the leading events of the administration of each one; for example, that of—

WASHINGTON.—Indian War; trouble with France; Jay's treaty; the whiskey rebellion, &c.

JEFFERSON.—War with Tripoli; purchase of Louisiana; the embargo, &c., &c.

MADISON.—War of 1812; its causes; the principal battles on land and sea; peculiarity of its last battle; when ended, &c., &c.

MONROE.—Indian War; cession of Florida; Missouri Compromise, &c., &c.

JACKSON.—Black Hawk and Seminole wars; the United States Bank; nullification, &c., &c.

POLK.—The Mexican War; its causes; principal battles; result of it, &c., &c.

PIERCE.—Repeal of Missouri Compromise; troubles in Kansas, &c., &c.

BUCHANAN.—Civil War; how begun, &c., &c.

LINCOLN.—War of Secession; its causes; its results, social and political; explain Doctrine of State Sovereignty; alienation between Northern and Southern states; Doctrine of Secession; give an account of principal battles.

JOHNSON.—Fourteenth Amendment; Tenure of Office Bill; Johnson's Impeachment.

GRANT.—Fifteenth Amendment; Alabama Claims and Treaty of Washington; Electoral Commission.

### ACADEMIC DUTIES.

The academic duties and exercises commence on the first of September and continue until the first of June. Examinations of the several classes are held upon the completion by any class of any branch of a course of study, and in January and June of each year, and, at the January examination, such of the new Cadets as are found proficient in studies and have been correct in conduct are given the particular standing in their class to which their merits entitle them. After each examination, Cadets found deficient in conduct or studies are discharged from the Academy, unless the Academic Board for special reasons in each case should otherwise recommend.

These examinations are very thorough, and require from the Cadet a close and persevering attention to study, without evasion or slighting of any part of the course, as no relaxation of any kind can be made by the examiners.

**Military Instruction.**—From the termination of the examination in June to the end of August the Cadets live in camp, engaged only in military duties and exercises and receiving practical military instruction.

Except in extreme cases Cadets are allowed but one leave of absence during the four years' course; as a rule the leave is granted at the end of the first two years' course of study.

### PAY OF CADETS.

The pay of a Cadet is \$540 per year, to commence with his admission to the Academy, and is sufficient, with proper economy, for his support. No Cadet is permitted to receive money, or any other supplies, from his parents, or from any person whomsoever, without the sanction of the Superintendent.

Each Cadet must keep himself supplied with the following mentioned articles, viz.:

Two pairs of uniform shoes; \*one pair of overshoes (Arctic); \*six towels, face; \*two towels, bathing; one mattress; one pillow; \*two pillow-cases 36 in. by 45 in.; \*four sheets 10/4 by 6/4; \*two blankets (white); \*one comfortable or quilted bed cover; one wash bowl; \*one tumbler; \*one bottle of indelible ink; \*one clothes brush or whisk broom; \*one hair-brush; \*one tooth-brush; \*one nail-brush; \*one shaving-brush and mug; \*one shoe-brush; \*one razor; \*one razor-strop; \*two pairs of white suspenders; \*six white shirts; \*two night shirts; \*six summer under-shirts; \*six winter under-shirts; \*six pairs of summer drawers; \*six pairs of winter drawers; \*six pairs of summer socks; \*six pairs of winter socks; \*six pocket handkerchiefs, \*six pairs of cuffs; twelve white linen collars; six pairs of white Berlin gloves; two sets of white belts; one chair; \*one pen knife; one account book; \*one trunk.

Candidates are authorized to bring with them the articles marked \*; they are however informed that such articles can be purchased at regulated prices from the Cadet Quartermaster's Department at West Point, after their arrival.

Cadets are required to wear the prescribed uniform. All articles of their uniform are of a designated pattern, and are sold to Cadets at West Point at regulated prices.

#### EXPENSES OF CANDIDATES PRIOR TO ADMISSION.

The expenses of a candidate for board, washing, lights, &c., after he has reported and prior to admission, will be about \$10. Immediately after being admitted to the Institution he must be provided with an outfit of uniform, the cost of which will be about \$90, making a total sum of \$100, which should be deposited with the Treasurer of the Academy before the candidate is admitted. The failure of a candidate to deposit \$100, at the time of applying for admission to the Military Academy, is not a bar to his admission if satisfactory evidence can be given that he is unable to make the deposit. His uniforms and other outfits will cost him about the amount mentioned, and if he does not make the deposit he will be obliged to incur debts. This will place him under a great disadvantage for a long time, and will deprive him of a great many little comforts, since his pay is only about sufficient to defray his ordinary expenses. It is important that he deposit the hundred dollars, or as large a part of it as possible, but it is not absolutely requisite to his admission. It is best for a candidate to take with him no more money than will defray his traveling expenses, and for the parent or guardian to send to "*The Treasurer of the U S. Military Academy*," the required deposit of \$100. This amount is sufficient to equip a new Cadet with uniform and to supply him with all articles and books. Any deviation from the rule as to the amount or manner of making the deposit must be explained in writing, by the parent or guardian of the candidate, to the Superintendent of the Academy.

#### ASSIGNMENT TO CORPS AFTER GRADUATION.

The attention of applicants and candidates is called to the following provisions of an Act of Congress approved May 17, 1886, to regulate the promotion of graduates of the United States Military Academy:

"That when any Cadet of the United States Military Academy has gone through all its classes and received a regular diploma from the Academic Staff, he may be promoted and commissioned as a second lieutenant in any arm or corps of the Army in which there may be a vacancy and the duties of which he may have been judged competent to perform; and in case there shall not at the time be a vacancy in such arm or corps, he may, at the discretion of the President, be promoted and commissioned in it as an additional second lieutenant, with the usual pay and allowances of a second lieutenant, until a vacancy shall happen."

#### GENERAL QUALIFICATIONS.

A sound body and constitution, suitable preparation, good natural capacity, an aptitude for study, industrious habits, perseverance, an obedient and orderly disposition, and a correct moral deportment are such essential qualifications that candidates knowingly deficient in any of these respects, should not, as many do, subject themselves and their friends to the chances of future mortification and disappointment by accepting appointments at the Academy and entering upon a career which they cannot successfully pursue.

Headquarters U. S. Military Academy,

*West Point, N. Y., June 30, 1899.*

BY ORDER OF COLONEL MILLS:

A handwritten signature in cursive script, reading "Samuel Haggard". The signature is written in black ink and is positioned above the typed name and title.

1st Lieutenant 1st Artillery,

*Adjutant.*