

OFFICIAL REGISTER

OF THE

Officers and Cadets

OF THE

U. S. MILITARY ACADEMY,

West Point, N. Y.

JUNE, 1893.

U. S. M. A. PRESS



AND BINDERY.

BOARD OF VISITORS,

JUNE, 1893.

Appointed by the President of the United States.

1. Hon. CHARLES S. FAIRCHILD (Vice-President).....NEW YORK, N. Y.
2. Hon. HENRY L. PIERCE.....BOSTON, MASS.
3. Hon. FRANK THOMSON.....PHILADELPHIA, PENN.
4. Gen. A. C. McCLURG.....CHICAGO, ILL.
5. Rev. JOHN W. DINSMORE.....SAN JOSÉ, CAL.
6. Prof. EDWIN A. ALDERMAN (Secretary).....GREENSBORO, N. C.
7. Hon. JOHN P. REA.....MINNEAPOLIS, MINN.

Appointed by the President of the Senate.

8. Hon. S. M. CULLOM (President).....SPRINGFIELD, ILL.
- *9. Hon. E. D. WHITE.....NEW ORLEANS, LA.

Appointed by the Speaker of the House of Representatives.

10. Hon. JOSEPH WHEELER.....WHEELER, ALA.
11. Hon. JAMES S. GORMAN.....CHELSEA, MICH.
- *12. Hon. HENRY H. BINGHAM.....PHILADELPHIA, PENN.

* Not present.

UNITED STATES MILITARY ACADEMY,

WEST POINT, NEW YORK.

Superintendent.

Colonel O. H. ERNST,
Major, Corps of Engineers.

Military Staff.

1st Lieutenant JOHN M. CARSON, JR., 5th Cavalry, *Adjutant of the Military Academy, Post Adjutant, and Recruiting Officer.*

Captain WILLIAM F. SPURGIN, 21st Infantry, *Treasurer of the Military Academy, and Quartermaster and Commissary of Cadets.*

Captain WILLIAM H. MILLER, Assistant Quartermaster, U. S. A., *Quartermaster of the Military Academy, Post Quartermaster, and Disbursing Officer.*

1st Lieutenant BARRINGTON K. WEST, 6th Cavalry, *Post Commissary of Subsistence, Post Treasurer, and in charge of Post Exchange.*

2d Lieutenant WILLIAM C. RIVERS, 1st Cavalry, *Assistant to Post Quartermaster, and Officer of Police.*

Major PHILIP F. HARVEY, Surgeon, U. S. A., *Post Surgeon.*

Captain C. N. BERKELEY MACAULEY, Assistant Surgeon, U. S. A.

1st Lieutenant FREDERICK P. REYNOLDS, Assistant Surgeon, U. S. A.

Academic Staff.

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

DEPARTMENT OF NATURAL AND EXPERIMENTAL PHILOSOPHY.

Peter S. Michie,	Professor.	(14 Feb., 1871.)	
*1st Lieutenant SEDGWICK PRATT, 3d Artillery,	} Assistant Professor.		
1st Lieutenant SAMUEL E. ALLEN, 5th Artillery,			
1st Lieutenant SAMUEL D. FREEMAN, 10th Cavalry,		} Instructors.	
1st Lieutenant LUCIEN G. BERRY, 4th Artillery,			
1st Lieutenant FRANK S. HARLOW, 1st Artillery,		} In Charge of Observatory and As- tronomical Observations.	

DEPARTMENT OF DRAWING.

Charles W. Larned,	Professor.	(25 July, 1876.)
1st Lieutenant GEORGE H. CAMERON, 4th Cavalry,	} Assistant Professor.	
1st Lieutenant AUSTIN H. BROWN, 4th Infantry,		
1st Lieutenant CECIL STEWART, 4th Cavalry,		} Instructors.

DEPARTMENT OF MATHEMATICS.

Edgar W. Bass,	Professor.	(17 April, 1878.)
†WRIGHT P. EDGERTON,	} Associate Professor. (14 Mar., 1893.) } Assistant Professor.	
1st Lieutenant GEORGE F. BARNEY, 2d Artillery,		
1st Lieutenant EDMUND D. SMITH, 19th Infantry,	} Instructors.	
1st Lieutenant ROBERT L. HERST, 11th Infantry,		
1st Lieutenant WILLARD A. HOLBROOK, 7th Cavalry,		
1st Lieutenant DANIEL B. DEVORE, 23d Infantry,		
1st Lieutenant JOHN D. BARRETTE, 3d Artillery,		
1st Lieutenant FRANK MCINTYRE, 19th Infantry,		
2d Lieutenant CHARLES D. PALMER, 4th Artillery,		

*To be relieved from duty at the Military Academy, August 17, 1893.

†Associate Professor with the rank of Captain.

DEPARTMENT OF CHEMISTRY, MINERALOGY AND GEOLOGY.

Samuel E. Tillman,	<i>Professor.</i>	(21 Dec., 1880.)
1st Lieutenant JOHN P. WISSER, 1st Artillery,	} <i>Assistant Professor.</i>	
1st Lieutenant HARRY FREELAND, 3d Infantry,		
*1st Lieutenant ELMER W. HUBBARD, 3d Artillery,	} <i>Instructors.</i>	
2d Lieutenant RICHMOND P. DAVIS, 2d Artillery,		

DEPARTMENT OF HISTORY, GEOGRAPHY AND ETHICS.

William M. Postlethwaite, Chaplain,	<i>Professor.</i>	(21 Dec., 1881.)
1st Lieutenant DANIEL H. BOUGHTON, 3d Cavalry,	} <i>Assistant Professor.</i>	
1st Lieutenant JAMES A. COLE, 6th Cavalry,		
	} <i>Instructor.</i>	

DEPARTMENT OF CIVIL AND MILITARY ENGINEERING.

James Mercur,	<i>Professor.</i>	(29 Sept., 1884.)
*1st Lieutenant LANSING H. BEACH, Corps of Engineers,	} <i>Assistant Professor.</i>	
1st Lieutenant JOSEPH E. KUHN, Corps of Engineers,		
1st Lieutenant HENRY C. NEWCOMER, Corps of Engineers,	} <i>Instructors.</i>	

DEPARTMENT OF LAW.

John W. Clous, Lieut. Col. and Deputy Judge Advocate General, U. S. A.,	<i>Professor.</i>	(28 Aug., 1890.) (By assignment under act 6 June, 1874.)
1st Lieutenant DANIEL H. BOUGHTON, 3d Cavalry,	} <i>Instructors.</i>	
1st Lieutenant JAMES A. COLE, 6th Cavalry,		

DEPARTMENT OF TACTICS.

Lieut. Col. Samuel M. Mills, Captain 5th Artillery,	} <i>Commandant of Cadets and Instructor of Tactics.</i> (1 Sep., '92.)	
Captain LOUIS A. CRAIG, 6th Cavalry,		
1st Lieutenant ALEXANDER B. DYER, 4th Artillery,	} <i>Senior Assistant Instructor of Cavalry Tactics.</i>	
1st Lieutenant SAMUEL W. DUNNING, 16th Infantry,		
	} <i>Senior Assistant Instructor of Infantry Tactics. Command'g Band and Detachment of Field Music.</i>	

*To be relieved from duty at the Military Academy, August 17, 1893.

DEPARTMENT OF TACTICS (Continued).

1st Lieutenant WILDS P. RICHARDSON, 8th Infantry,	}	<i>Assistant Instructor of Tactics. Com- manding Company of Cadets.</i>
1st Lieutenant WILLIAM H. ALLAIRE, 23d Infantry,		
*1st Lieutenant DANIEL L. TATE, 3d Cavalry,	}	<i>Assistant Instructor of Tactics. Com- manding Company of Cadets.</i>
1st Lieutenant T. BENTLEY MOTT, 1st Artillery,		
2d Lieutenant MATHEW C. BUTLER, JR., 5th Cavalry,	}	<i>Assistant Instructor of Cavalry Tac- tics.</i>

DEPARTMENT OF MODERN LANGUAGES.

Edward E. Wood,		Professor.	(1 Oct., 1892.)
†1st Lieutenant WILLIAM W. FORSYTH, 6th Cavalry,	}	<i>Assistant Professor of the Spanish Language.</i>	
1st Lieutenant CORNÉLIS DEW. WILLCOX, 2d Artillery,			
1st Lieutenant ARTHUR F. CURTIS, 2d Artillery,	}	<i>Instructors.</i>	
1st Lieutenant WILLIAM S. BIDDLE, JR., 14th Infantry,			
1st Lieutenant ARTHUR THAYER, 3d Cavalry,			
1st Lieutenant PETER E. TRAUB, 1st Cavalry,			

DEPARTMENT OF PRACTICAL MILITARY ENGINEERING.

Captain James L. Lusk, Corps of Engineers,	}	Instructor.	(31 March, 1893.)
1st Lieutenant MASON M. PATRICK, Corps of Engineers,			
2d Lieutenant CHARLES S. BROMWELL, Corps of Engineers,	}	<i>Assistant Instructors.</i>	

DEPARTMENT OF ORDNANCE AND GUNNERY.

Captain Lawrence L. Bruff, Ordnance Department,	}	Instructor.	(17 Aug., 1891.)
1st Lieutenant EDWIN B. BABBITT, Ordnance Department,			
1st Lieutenant JOHN C. W. BROOKS, 4th Artillery,	}	<i>Assistant Instructors.</i>	

Herman J. Koehler,**Master of the Sword.****Arthur A. Clappé,****Teacher of Music.**

*To be relieved from duty at the Military Academy, August 17, 1893.

Battalion Organization.

JUNE 1, 1893.

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 officers are taken from the first class; the sergeants from the second class; and the corporals from the third class.

"A."

"B."

"C."

"D."

CAPTAINS.

C. W. KUTZ,¹ R. P. JOHNSTON,³ W. R. SMEDBERG, JR.,⁴ H. H. PATTISON.²

LIEUTENANTS.

S. C. HAZZARD, *Adjutant.*

G. P. HOWELL, *Quartermaster.*

L. C. ANDREWS, ¹	M. L. WALKER, ²	M. C. SMITH, ⁶	G. E. HOULE, ³
D. M. KING, ⁵	B. B. BASSETTE, ⁹	R. R. RAYMOND, ¹⁰	E. W. CLARK, ⁴
V. K. HART, ⁸	S. J. B. SCHINDEL, ¹²	A. H. MARTIN, ¹⁵	E. B. CASSATT, ⁷
H. A. SMITH, ¹³	L. B. LAWTON, ¹⁴	H. B. CROSBY, ¹⁶	L. F. KILBOURNE. ¹¹

C. H. CONRAD, JR., *Sergeant Major.* W. J. BARDEN, *Quartermaster Sergeant.*

1st SERGEANTS.

J. W. JOYES,¹ W. B. LADUE,³ W. H. MITCHELL,⁴ J. C. GILMORE, JR.²

SERGEANTS.

H. S. HAWKINS, ²	J. M. WILLIAMS, ⁸	G. H. ESTES, JR., ⁵	C. C. WILLIAMS, ¹
J. F. PRESTON, JR., ⁴	F. PARKER, ⁹	C. W. CASTLE, ¹⁰	T. G. CARSON, ³
J. P. HARBESON, ¹³	C. C. SMITH, ¹¹	E. P. O'HERN, ¹²	D. E. AULTMAN, ⁶
F. LE J. PARKER, ¹⁵	A. E. SAXTON, ¹⁴	A. HAMILTON, ¹⁶	B. AMES. ⁷

CORPORALS.

H. LA T. CAVENAUGH, ¹	A. S. FLEMING, ³	B. PAYNE, ²	J. A. GURNEY, ⁴
H. E. SMITH, ⁵	T. W. DARRAH, ⁷	F. P. SIVITER, ¹³	L. M. NUTTMAN, ⁸
M. O. BIGELOW, ⁶	M. F. SMITH, ¹¹	A. C. NISSEN, ¹⁹	M. L. MCGREW, ¹⁰
J. BUGGE, JR., ⁹	H. H. STOUT, ¹⁴	J. L. KNOWLTON, ²⁰	F. W. SMITH, ¹⁷
C. H. PAINE, ¹²	J. S. PARKER, ¹⁶	H. A. WHITE, ²³	F. S. HUTTON, ¹⁸
C. E. HAWKINS, ¹⁵	A. SPRINGER, JR., ²²		C. R. HOWLAND. ²¹

The figures indicate relative rank.

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.

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.

CADETS

ARRANGED IN

Order of Merit in their Respective Classes,

AS DETERMINED AT THE

ANNUAL EXAMINATION

IN

JUNE, 1893.

FIRST CLASS—51 MEMBERS—GRADUATED JUNE 12, 1893.

Order of general merit.	Names.	Where born.	Appointed from	Date of Admission.	Age at date of Admission.		Order of merit in									
					Years.	Mos.	Civil & Military Engineering.		Law.	History.	Spanish.	Ordnance & Gunnery.	Practical Navy Engineering.	Discipline.	Demerit for the 2 years ending May 31, 1893.	
*1	Howell, George P.....	N. C.	N. C.	June 15, 1889	18	7	2	1	1	2	3	8	8	38		
*2	Kutz, Charles W.....	Pa.	Pa.	" "	18	8	1	5	5	38	1	5	10	44		
*3	Walker, Meriwether L...	Va.	Va.	" "	19	8	12	4	6	4	5	2	4	28		
*4	Johnston, Robert P.....	N. C.	N. C.	" "	18	7	3	26	14	7	2	6	11	46		
*5	Raymond, Robert R.....	N. Y.	N. Y.	" "	18	3	4	8	22	9	4	1	19	76		
6	Cruikshank, William M...	D. C.	D. C.	" "	18	7	5	10	3	19	14	9	27	96		
7	Heiner, Gordon G.....	D. C.	Pa.	" "	19	7	8	3	8	8	9	16	34	132		
8	Rice, John H.....	Mo.	Mo.	" "	19	5	11	6	4	6	13	22	24	91		
9	McManus, George H.....	Iowa.	Iowa.	" "	21	5	10	11	9	31	17	31	2	25		
10	Timberlake, Edward J., Jr.	Tenn.	Tenn.	Sept. 1, "	20	0	7	34	35	27	6	7	15	57		
11	LeComte, Henry C.....	Switzerl'd	Switzerl'd	June 15, "	19	7	20	2	2	10	10	47	45	273		
12	King, David M.....	Ohio.	Ohio.	" "	19	7	6	31	18	13	7	29	5	32		
13	Andrews, Lincoln C.....	Minn.	N. Y.	" "	21	6	9	19	30	34	19	19	23	89		
14	Hazzard, Samuel C.....	Pa.	Pa.	" "	19	11	22	21	12	5	8	3	7	36		
15	Schindel, Samuel J. B...	N. J.	Pa.	" "	18	0	15	22	16	18	24	11	1	23		
16	Smedberg, William R., Jr.	Cal.	Cal.	" "	18	5	25	28	25	3	23	10	42	190		
17	Laubach, Howard L.....	Pa.	Ind.	June 16, 1888	17	9	14	17	10	26	18	28	3	26		
18	Farr, Otho W. B.....	Me.	Me.	June 15, 1889	18	4	16	7	19	17	29	24	32	124		
19	Honey, Robertson.....	Ala.	R. I.	" "	18	9	17	16	21	1	11	21	17	65		
20	Clark, Elmer W.....	Pa.	Iowa.	" "	20	2	13	27	37	32	25	42	43	195		
21	Morgan, John M.....	Ohio.	Ohio.	" "	21	3	23	13	23	28	26	13	29	112		
22	Lawton, Louis B.....	Iowa.	N. Y.	" "	17	3	19	12	11	12	12	41	14	54		
23	Williams, Andrew E.....	S. C.	Texas.	Sept. 1, "	19	1	18	37	26	49	15	45	13	53		
24	Martin, Amos H.....	Pa.	Pa.	June 15, "	17	7	24	15	20	25	15	35	31	118		
25	Babcock, Walter C.....	Mass.	Mass.	" "	18	9	21	25	28	44	31	32	18	72		
26	Yates, William.....	S. C.	Ga.	June 16, 1888	17	8	27	9	7	36	20	39	25	94		
27	Crosby, Herbert B.....	Kan.	Ill.	June 15, 1889	17	5	39	23	17	20	22	34	39	174		
28	Bassette, Buell B.....	La.	Conn.	" "	19	4	28	33	32	21	33	4	9	41		
29	Hyer, Benjamin B.....	N. Y.	N. Y.	" "	18	5	26	40	49	23	30	12	23	89		
30	Smith, Mathew C.....	Ala.	Ala.	" "	21	2	37	18	33	24	27	44	22	85		
31	Cassatt, Edward B.....	Pa.	At large.	" "	19	9	35	35	39	15	32	14	46	278		
32	Smith, Thomas L.....	Ind.	Ind.	" "	17	7	32	29	42	48	21	30	16	61		
33	Walker, Kenzie W.....	Texas.	Texas.	June 16, 1888	17	5	29	41	47	46	46	17	36	155		
34	Edwards, Arthur M.....	N. Y.	Neb.	June 15, 1889	18	1	43	32	15	14	49	38	7	36		
35	Pattison, Harry H.....	Ohio.	Ind.	" "	20	7	30	36	29	50	37	25	26	95		

a Absent with leave (sick) during Annual Examination, June, 1890, and not examined. Joined then Third Class, June 17, 1890.
 b Absent with leave from January 12, 1891, to June 15, 1891—Orders No. 6, U. S. M. A., January 12, 1891, and S. O. No. 21, A. G. O., January 26, 1891, and not examined. Joined then Second Class.
 c Receiving instructions under the provisions of a Joint Resolution of Congress, approved October 19, 1888.
 d Turned back to join then Fourth Class, June 27, 1889—S. O. No. 148, A. G. O., June 27, 1889.
 e Borne on former Registers as John Morgan. Name changed by authority of Secretary of War, June 1, 1893.

FIRST CLASS—51 MEMBERS—GRADUATED JUNE 12, 1893.

<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>Years.</i>	<i>Mos.</i>	<i>Civil & Military Engineering.</i>	<i>Law.</i>	<i>History.</i>	<i>Spanish.</i>	<i>Ordnance & Gunnery.</i>	<i>Practical M'ry Engineering.</i>	<i>Discipline.</i>	<i>Demerit for the 2 years ending May 31, 1893.</i>		
36	Hartwick, Edward E.	Mich.	Mich.	Sept. 1, 1889	17	11	36	30	24	40	39	33	19	76		
37	Sawtelle, Charles G., Jr. . Cal.	Cal.	At Large.	June 15, "	19	4	38	38	38	33	35	23	33	129		
38	Perry, Howard R.	Ill.	Ill.	^a " "	20	11	31	47	36	51	28	51	84	132		
39	Houle, George E.	Canada.	Mass.	" "	19	5	46	42	27	11	48	43	37	163		
40	Kilbourne, Lincoln F. . . . Cal.	Cal.	At Large.	" "	20	3	45	14	46	41	34	20	40	184		
41	Hart, Verling K.	Kan.	Wyo.	" "	18	2	41	20	40	22	41	40	21	81		
42	Spence, Robert E. L.	Ga.	Ga.	^b June 16, 1888	19	10	33	39	34	29	44	26	33	129		
43	Rogers, William C.	N. Y.	N. Y.	June 15, 1889	2	34	50	41	42	50	37	30	114			
44	McKenna, Frank B.	Cal.	Cal.	" "	19	2	47	24	13	16	40	48	35	148		
45	Jamerson, George H.	Va.	Va.	" "	19	7	42	46	48	39	38	15	12	52		
46	Carey, Edward C.	N. M.	N. M.	^c June 16, 1888	17	1	44	48	45	43	36	49	41	188		
47	Taylor, Edward.	Ill.	Idaho.	June 15, 1889	21	1	40	44	43	45	47	27	6	33		
48	^e Smith, Hamilton A.	Fla.	Ga.	" "	18	4	49	49	51	35	42	18	28	109		
49	Nelson, Hunter B.	Tenn.	Tenn.	" "	20	3	51	43	31	37	45	36	38	167		
50	Laws, Albert.	Md.	Md.	" "	20	10	50	45	44	30	51	46	20	77		
51	Saville, Mathew E.	Mo.	Mo.	^d June 16, 1888	19	1	48	51	50	47	43	50	44	234		

a Admitted September 1, 1886. Discharged June 17, 1887, for deficiency in French—S. O. No. 137, A. G. O., June 15, 1887.
b Absent with leave (sick) during Annual Examination, June, 1889, and not examined. Joined then Fourth Class, June 20, 1889.
c Absent with leave (sick) during Annual Examination, June, 1889, and not examined. Joined then Fourth Class, August 28, 1889.
d Absent with leave (sick) during Annual Examination, June, 1890, and not examined. Joined then Third Class, June 17, 1890.
e Borne on former Registers as Hamil A. Smith. Name changed by authority of Secretary of War, June 1, 1893.

SECOND CLASS—57 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, 1893.	
*1	Barden, William J.	Conn.	Conn.	June 17, 1890	19	9	2	2	1	1	13	26	
*2	Ladue, William B.	Mich.	Oreg.	" "	21	6	1	1	3	3	29	56	
*3	Pence, William P.	Ind.	Ind.	Sept. 1, "	20	10	3	3	14	13	9	22	
*4	Conrad, Casper H., Jr. ...	Ohio.	S. D.	June 17, "	17	8	4	8	2	7	21	42	
*5	Hof, Samuel.	Wis.	Wis.	" "	19	7	9	4	32	22	2	9	
6	Williams, Clarence C. ...	Ga.	Ga.	" "	20	7	7	6	8	14	45	116	
7	O'Hern, Edward P.	N. Y.	N. Y.	" "	18	3	8	9	7	49	7	15	
8	Williams, James M.	Ala.	Ala.	" "	17	2	6	20	6	30	1	4	
9	Hamilton, George F.	Me.	Me.	" "	20	0	11	18	5	16	7	15	
10	Paine, William H.	Conn.	Conn.	" "	20	1	15	7	23	37	5	13	
11	Joyes, John W.	N. Y.	Cal.	" "	20	2	13	12	21	4	25	48	
12	Castle, Charles W.	Minn.	Minn.	" "	17	9	12	22	4	6	6	14	
13	Parker, Francis Le J.	S. C.	S. C.	" 24, "	17	0	16	13	9	34	4	12	
14	Aultman, Dwight E.	Pa.	Pa.	" 17, "	18	4	23	5	11	5	27	52	
15	Mitchell, Warren H.	Minn.	Pa.	" "	18	7	10	11	18	43	35	71	
16	Averill, Nathan K.	Mich.	Mich.	" "	17	7	5	23	27	18	42	93	
17	Lang, Clarence E.	Ohio.	Ohio.	" "	18	11	14	10	37	38	40	82	
18	Craig, John W.	Ala.	Ala.	July 22, "	17	0	17	14	25	48	18	39	
19	Malone, Paul B.	N. Y.	N. Y.	June 17, "	18	1	21	15	20	26	26	49	
20	Berkeley, Hugh D.	Va.	Miss.	^a " 15, 1889	17	11	20	17	39	23	28	53	
21	Ely, Frank D.	Ill.	Ill.	June 17, 1890	21	3	32	19	40	10	19	40	
22	Saxton, Albert E.	Cal.	Nev.	" "	18	6	34	16	10	32	24	47	
23	Hamilton, Alston.	N. C.	Va.	" "	18	7	18	28	50	40	26	49	
24	Hawkins, Hamilton S. ...	Dak.	Del.	" "	17	8	19	32	30	8	43	104	
25	Carson, Thomas G.	Ill.	Ill.	" "	18	11	26	33	15	12	17	30	
26	Gardner, Rogers F.	N. Y.	Mass.	" "	21	9	24	26	35	29	26	49	
27	Lawton, Frederick G.	Miss.	Miss.	^b " 15, 1889	17	5	31	25	26	27	16	29	
28	Gilmore, John C., Jr.	N. M.	N. Y.	June 17, 1890	20	10	27	29	29	41	3	11	
29	Preston, John F., Jr.	Md.	Md.	" "	17	7	22	38	33	35	22	43	
30	Ames, Butler.	Mass.	Mass.	^c " 15, 1889	17	9	29	35	55	2	23	46	
31	Sater, William A.	Ohio.	Kan.	June 17, 1890	19	10	39	27	34	47	2	9	
32	Parker, Frank.	S. C.	S. C.	" "	17	8	28	31	13	53	41	89	
33	Cocheu, Frank S.	N. Y.	N. Y.	^b Sept. 1, 1889	17	9	25	50	31	17	16	29	
34	McArthur, John C.	Minn.	S. D.	June 17, 1890	20	9	37	30	36	36	30	58	
35	Crain, Charles F.	Ill.	Ill.	" "	17	10	46	21	17	46	39	80	

^a Absent with leave (sick) during Annual Examination, June, 1890, and not examined. Joined then Fourth Class, June 17, 1890.

^b Turned back to join then Fourth Class, June 18, 1890—S. O. No. 142, A. G. O., June 18, 1890.

^c Turned back to join then Fourth Class, January 26, 1891—S. O. No. 21, A. G. O., January 26, 1891.

SECOND CLASS—57 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, 1893.
									1	2	3	4	5			
36	Kilburn, Dana W.....	Pa.	Ill.	^a June 17, 1890	18	3	36	37	41	33	22					43
37	Hunt, Ora E.....	Cal.	Cal.	^b Sept. 1, 1889	17	2	35	40	46	28	17					30
38	Stritzinger, Fred'k G., Jr.	Pa.	Pa.	June 17, 1890	20	3	57	24	12	9	12					25
39	Welsh, William E.....	Pa.	Pa.	" "	17	6	30	43	22	51	32					63
40	Rosenbaum, Otho B.....	Va.	Va.	Sept. 1, "	19	0	33	44	47	44	10					23
41	Bell, Edwin.....	D. C.	N. Y.	^b June 15, 1889	19	3	41	39	28	25	38					79
42	Estes, George H., Jr.....	Ala.	Ga.	June 17, 1890	17	4	44	45	24	15	14					27
43	Edwards, Oliver, Jr.....	Mass.	Mass.	" "	18	6	50	36	44	21	31					61
44	Vidmer, George.....	Ala.	Ala.	^c " 15, 1889	17	9	42	57	16	31	20					41
45	Wells, Briant H.....	Utah.	Utah.	" 17, 1890	18	6	40	52	54	45	8					20
46	Wells, Frank L.....	Ind.	Ind.	" "	21	7	43	34	51	56	46					119
47	Connell, Thomas W.....	N. Y.	N. Y.	^d Sept. 1, 1889	17	7	38	47	45	57	36					73
48	Barker, John W.....	N. Y.	N. Y.	June 17, 1890	17	5	51	41	38	11	32					63
49	Bent, Charles L.....	Mass.	Mass.	" "	19	3	45	53	49	19	34					68
50	Wise, Hugh D.....	Va.	At Large.	^d Sept. 1, 1889	17	10	49	49	52	39	15					28
51	Smith, Charles C.....	Ohio.	N. Y.	June 17, 1890	18	4	56	46	19	24	42					93
52	Harbeson, James P.....	Ky.	Ky.	" "	19	5	48	48	48	52	37					78
53	Battle, John S.....	N. C.	N. C.	^b June 15, 1889	17	3	54	42	42	54	42					93
54	Stogsdall, Ralph R.....	Ind.	Ind.	June 17, 1890	20	11	47	54	57	20	44					111
55	Whitworth, Pegram.....	La.	La.	^b " 15, 1889	17	10	52	56	56	42	11					24
56	Moss, James A.....	La.	La.	June 17, 1890	18	1	55	55	53	50	33					67
57	Bash, Louis H.....	Ill.	Ill.	^b " 15, 1889	17	3	53	51	43	55	47					179
	^e Urtecho, José A.....	Nicaragua	Nicaragua	^b " "	18	10										150

^a Admitted June 15, 1889; discharged January 17, 1890, for deficiency in Mathematics—S. O. No. 11, A. G. O., January 14, 1890.
^b Turned back to join then Fourth Class, June 18, 1890—S. O. No. 142, A. G. O., June 18, 1890.
^c Turned back to join then Fourth Class, January 26, 1891—S. O. No. 21, A. G. O., January 26, 1891.
^d Absent with leave during Annual Examination, June, 1891, and not examined. Joined then Third Class, June 15, 1891.
^e Receiving instruction under the provisions of a Joint Resolution of Congress, approved May 14, 1888.

THIRD CLASS—60 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, 1893.
					Years.	Mos.	Mathematics.	French.	Drawing.	Discipline.	
*1	Schulz, Edward H.	W. Va.	W. Va.	June 17, 1891	18	4	3	4	3	8	44
*2	Paine, Charles H.	Vt.	Md.	" "	20	2	4	17	1	24	86
*3	Mitchell, Americus.	Ala.	Ala.	^a " 1890	19	5	12	3	12	17	67
*4	Payne, Brooke.	Va.	Va.	" 1891	19	1	7	8	4	40	144
*5	Knowlton, Joseph L.	Ill.	Ill.	" "	18	10	6	7	28	27	95
6	Burgess, Harry.	Miss.	Miss.	" "	19	3	1	12	30	37	123
7	Smith, Harry E.	Me.	Minn.	" "	21	7	13	9	16	11	57
8	Bugge, Jens, Jr.	Wis.	Minn.	" "	20	8	15	16	6	7	42
9	Bigelow, Mortimer O.	Mich.	Mich.	" "	20	7	18	5	17	11	57
10	Gurney, John A.	Mich.	Mich.	" "	19	7	10	13	18	19	71
11	Stout, Harry H.	Ariz.	Pa.	" "	18	6	2	35	8	34	118
12	Arnold, Conway H., Jr.	N. Y.	N. Y.	" "	19	9	14	6	15	36	122
13	White, Herbert A.	Iowa.	Iowa.	" "	20	10	16	14	11	28	96
14	Fleming, Adrian S.	Ky.	Ky.	" "	18	6	17	20	13	13	59
15	Creden, Samuel G.	Mass.	Mass.	^a " 1890	18	0	29	10	7	21	81
16	Ames, Thales L.	Wis.	Wis.	" 1891	21	8	8	50	4	2	26
17	Wheeler, Joseph, Jr.	Ala.	Ala.	" "	19	2	5	24	53	45	169
18	Siviter, Francis P.	Pa.	Pa.	" "	18	3	20	37	9	4	35
19	Cavenaugh, Harry La T.	Utah.	Okla.	" "	19	5	19	27	21	33	109
20	Lewis, Louis H.	N. Y.	N. Y.	^a " 1890	18	4	21	40	5	5	38
21	Stanley, David S.	Dak.	At large.	^a " "	17	9	22	30	19	13	59
22	Nissen, August C.	Ohio.	Ohio.	" 1891	18	9	25	22	22	22	83
23	Hammatt, William C.	Me.	Me.	" "	18	3	11	41	2	48	197
24	Richardson, Lorrain T.	Wis.	Wis.	^b " 1890	19	0	27	11	47	10	55
25	Nuttman, Louis M.	N. J.	N. J.	" 1891	17	4	31	18	29	9	53
26	Sills, William G.	Ala.	N. C.	" "	19	3	9	45	35	30	98
27	Herron, Joseph S.	Ohio.	Ohio.	" "	21	10	24	26	10	38	127
28	Sturtevant, Girard.	N. Y.	N. Y.	" "	18	5	39	1	42	15	65
29	Hawkins, Clyde E.	Pa.	Pa.	" "	21	7	34	23	27	20	75
30	Smith, Morton F.	Col.	Mich.	" "	18	10	28	28	25	39	143
31	Miles, Perry L.	Ohio.	Ohio.	" "	17	8	37	21	37	14	61
32	Smith, Fine W.	Ky.	Ky.	" "	21	9	23	42	51	7	42
33	Simmons, Benjamin T.	N. C.	N. C.	^c " 1890	18	9	26	32	38	36	122
34	Darrah, Thomas W.	Kan.	Kan.	" 1891	17	11	33	34	34	10	55
35	Pritchard, George B., Jr.	Ga.	Ga.	" "	17	7	36	25	46	23	85

^a Turned back to join then Fourth Class, June 11, 1892—S. O. No. 137, A. G. O., June 11, 1892.

^b Absent with leave (sick) until May 1, 1891, and not examined. Examined by a board of medical officers to determine his physical fitness to continue with the Corps of Cadets, S. O. No. 83, A. G. O., April 13, 1891. Turned back to join the next Fourth Class, with authority of the Secretary of War of May 15, 1891.

^c Turned back to join then Fourth Class, January 14, 1892—S. O. No. 11, A. G. O., January 14, 1892.

THIRD CLASS—60 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, 1893.
					Years.	Mos.	Mathematics.	French.	Drawing.	Discipline.	
36	Howland, Charles R.	Ohio.	Ohio.	June 17, 1891	20	4	32	29	32	42	149
37	Augustin, Joseph N., Jr. . .	La.	La.	" "	17	3	42	2	33	49	202
38	Dixon, Henry B.	Iowa.	Iowa.	" "	19	5	47	36	14	1	13
39	McGrew, Milton L.	D. C.	N. J.	" "	17	8	45	33	20	16	66
40	Brookes, Albert S.	Ark.	Ark.	" "	20	10	35	31	54	35	119
41	Davis, Glenn H.	Ohio.	Ohio.	" "	21	6	30	51	55	20	75
42	Hutton, Franklin S.	N. Y.	N. Y.	" "	20	4	44	46	31	6	39
43	Dwyer, Thomas F.	Ireland.	N. Y.	" "	17	2	43	19	40	50	203
44	Springer, Anton, Jr.	France.	N. Y.	" "	20	4	38	49	26	41	146
45	Parker, James S.	D. C.	At large.	" "	17	5	40	38	56	31	100
46	Watson, Frank B.	Va.	N. J.	" "	21	4	46	47	48	3	32
47	Penick, Harry O.	Iowa.	Iowa.	June 15, 1889	19	8	52	43	39	25	87
48	Charles, Oscar J.	Ill.	Ill.	June 17, 1891	18	3	53	44	24	29	97
49	Vincent, James I.	Mich.	Mich.	" "	20	6	48	39	52	43	161
50	Langdon, Russell C.	N. Y.	N. Y.	" "	18	11	51	53	45	18	70
51	Bolles, Frank C.	Ill.	Mo.	" "	19	8	41	57	50	46	174
52	McBroom, Walter S.	Ind.	Ind.	" "	20	10	50	54	44	32	103
53	Pearce, Thomas A.	N. C.	Texas.	" "	21	0	49	55	57	26	89
54	Duncan, Daniel.	Ky.	Ky.	" "	17	5	54	52	43	44	164
†	Botts, Louis E.	Mo.	Mo.	" "	20	4	Def	56	49	12	58
†	Dillaway, Alvan S.	Mass.	Mass.	" "	19	2	Def	15	23	47	195
b	Purdy, Clarence N.	Ind.	Ind.	" "	19	8	Def	48	36	24	86
c	Hampton, Celwyn E.	Ohio.	Ohio.	" "	20	3					48
d	McIntyre, Thomas H. R. . .	Ala.	Tenn.	" "	21	8					135
c	Sample, Warren S.	Tenn.	Ky.	" "	21	4					46

a Absent with leave (sick) during Annual Examination, June, 1890, and not examined. Joined then Fourth Class, June 17, 1890. Absent with leave (sick) during Annual Examination, June, 1891, and not examined. Joined then Fourth Class, June 15, 1891.

b To continue with his class until August 29, 1893, by which date he is to make up his deficiency in Mathematics to the satisfaction of the Academic Board—S. O. No. 145, A. G. O., June 27, 1893.

c Absent with leave during Annual Examination, June, 1893, and not examined—S. O. No. 14, A. G. O., January 19, 1893. Joined new Third Class, June 15, 1893.

d Absent with leave during Annual Examination, June, 1893, and not examined—S. O. No. 14, A. G. O., January 19, 1893. Absent with leave (sick) from December 3, 1892, until June 15, 1893, "when he shall be examined by the medical board to determine whether he is qualified, as to eyesight and voice, to continue as a cadet"—S. O. No. 280, A. G. O., Nov. 30, 1892. Joined new Third Class, June 15, 1893.

† Discharged June 23, 1893, per S. O. No. 145, A. G. O., June 27, 1893.

FOURTH CLASS—101 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, 1893.
					Years.	Mos.	Mathematics.	English.	French.	Discipline.	
*1	Shelton, George H.	Conn.	Conn.	*Sept. 1, 1892	21	2	15	1	9	9	22
*2	Grubbs, Haydon Y.	Ky.	Ky.	June 18, "	19	7	16	7	7	8	21
*3	Hoffman, George M.	Pa.	Pa.	" 15, "	22	0	1	19	25	6	17
*4	Callan, Robert E.	Md.	Tenn.	" "	18	3	2	9	2	37	62
*5	Tschappat, William H.	Ohio.	Ohio.	" "	17	10	6	16	17	17	32
6	Howard, Thomas F.	England.	Texas.	" 18, "	18	0	30	5	5	3	12
7	Patterson, George T.	Neb.	Neb.	" 15, "	20	3	11	2	21	31	54
8	England, Lloyd	Ark.	Ark.	" "	17	2	8	22	15	18	36
9	Guignard, William S.	S. C.	S. C.	" "	19	8	4	3	1	55	107
10	Stuart, Edwin R.	W. Va.	W. Va.	" 15, "	17	10	19	8	14	30	53
11	Morrison, John, Jr.	Iowa.	Iowa.	^b " 17, 1891	20	11	5	29	22	32	55
12	Jackson, Harry F.	Mo.	Mo.	June 15, 1892	21	5	7	20	45	20	39
13	Kochersperger, Stephen M.	Pa.	Pa.	" "	19	6	23	32	4	16	31
14	Christian, John B.	Mo.	Mo.	" 18, "	21	10	20	10	47	15	30
15	McClure, Samuel V.	Pa.	Pa.	" "	17	4	3	28	36	33	56
16	Landon, Edwin.	Minn.	Mich.	" "	18	4	10	14	29	42	73
17	Stacy, Lucian.	Me.	Me.	" 15, "	21	9	14	21	12	41	71
18	Kelly, William, Jr.	Texas.	Texas.	^b " 17, 1891	17	11	22	4	3	50	93
19	Eltinge, Le Roy.	N. Y.	N. Y.	^c " "	18	9	17	30	20	31	54
20	Kessler, Percy M.	Ind.	Ind.	June 15, 1892	20	3	26	23	18	24	46
21	Saltzman, Charles McK.	Iowa.	Iowa.	" "	20	8	27	38	33	1	2
22	Reisinger, Paul	Pa.	Pa.	^d " 17, 1891	30	2	13	26	41	28	51
23	Tracy, Joseph P.	D. C.	Pa.	June 15, 1892	18	8	12	40	43	13	28
24	Jervey, Eugene P., Jr.	S. C.	S. C.	" "	19	8	21	15	8	49	91
25	Hagood, Johnson, Jr.	S. C.	S. C.	" "	19	0	25	27	23	27	50
26	Summerlin, George T.	La.	La.	" "	19	6	49	17	16	6	17
27	Williard, Harry O.	Ohio.	Mont.	" "	20	9	55	6	6	23	44
28	King, Edward L.	Mass.	Mass.	" "	18	6	42	24	28	9	22
29	Miller, Alexander M., Jr.	N. Y.	Tenn.	" "	17	9	35	39	10	30	53
30	Lott, Abraham G.	Pa.	Kan.	" "	21	0	24	43	53	14	29
31	Whitman, Frank H.	Kan.	Kan.	" "	22	0	62	11	11	21	42
32	Heiberg, Elvin R.	Minn.	Wis.	" "	19	2	31	53	39	5	14
33	Newell, Isaac.	Ga.	Ga.	Sept. 1, "	19	10	51	25	26	16	31
34	Moses, George W.	Ohio.	Ohio.	June 15, 1892	19	9	47	18	38	21	42
35	Stodter, Charles E.	Pa.	Ohio.	" 18, "	21	2	37	49	37	7	18

a Admitted June 17, 1891; discharged June 14, 1892, for deficiency in Mathematics—S. O. No. 137, A. G. O., June 11, 1892.

b Turned back to join then Fourth Class, June 11, 1892, S. O. No. 137, A. G. O., June 11, 1892.

c Suspended from rank and pay as a Cadet from July 29, 1892, until January 9, 1893, S. O. No. 175, A. G. O., July 27, 1892, and joined then Fourth Class.

d Absent with leave (sick) during Annual Examination, June, 1892, and not examined. Joined new Fourth Class, June 15, 1892.

FOURTH CLASS—101 MEMBERS.

<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 year ending May 31, 1893.</i>		
					<i>Years.</i>	<i>Mos.</i>	<i>Mathematics.</i>	<i>English.</i>	<i>French.</i>	<i>Discipline.</i>			
36	Wansboro, Thomas A.	N. Y.	N. Y.	June 15, 1892	18	3	29	56	24	22	43		
37	Lewis, Frederick W.	N. Y.	At large.	" 18, "	19	5	39	45	44	4	13		
38	Whitehead, Henry C.	Texas.	Texas.	" 15, "	19	3	36	12	40	47	89		
39	Russell, Charles E.	Texas.	Texas.	" "	18	10	18	66	35	25	47		
40	Hinkley, James W., Jr.	N. Y.	N. Y.	" "	18	9	43	13	52	38	63		
41	Kirkpatrick, Newton D.	Va.	Va.	" "	19	3	38	68	31	10	25		
42	Fergusson, Frank K.	Tenn.	Tenn.	" 18, "	18	4	34	42	73	19	37		
43	Bell, Ola W.	Mich.	Mich.	" 17, 1891	20	1	32	44	27	51	94		
44	Holbrook, Lucius R.	Wis.	Minn.	June 15, 1892	17	1	50	37	57	11	26		
45	Applewhite, Hugh LaF.	Miss.	Miss.	" "	17	10	69	31	42	8	21		
46	Drake, Charles B.	Pa.	Pa.	" "	19	9	9	86	67	29	52		
47	Parsons, Lanning.	Ohio.	Ohio.	" "	21	2	60	58	34	14	29		
48	Berry, Alga P.	Kan.	Kan.	" "	19	11	44	46	58	40	68		
49	Burt, Reynolds J.	Neb.	Ohio.	" "	17	10	33	52	49	54	100		
50	Hood, Duncan N.	La.	La.	" "	19	5	52	70	19	35	60		
51	Boyd, Charles T.	Iowa.	Iowa.	" "	21	8	70	35	48	26	49		
52	Smith, Francis G.	Pa.	Pa.	" "	17	11	40	54	46	52	95		
53	Tupes, Herschel.	Ohio.	Mo.	" "	18	1	28	74	69	43	74		
54	Dallam, Samuel F.	Pa.	Pa.	Sept. 1, "	17	11	58	59	82	2	8		
55	Burnside, William A.	Ohio.	Ohio.	June 15, 1892	19	5	45	79	65	12	27		
56	McNeil, Clarence H.	N. Y.	N. Y.	" "	18	11	56	55	55	35	60		
57	Roberts, Thomas A.	Ill.	Ill.	July 7, "	20	3	72	36	59	28	51		
58	Stewart, Merch B.	Va.	N. Y.	June 24, "	17	0	57	33	32	57	132		
59	LeBlanc, James C.	Miss.	Miss.	Sept. 1, "	17	7	65	60	63	12	27		
60	McCornack, Willard H.	Ill.	Ill.	June 15, 1892	20	9	48	57	84	35	60		
61	Nolan, Dennis E.	N. Y.	N. Y.	Sept. 1, "	20	4	68	50	64	34	57		
62	Hall, Dickinson P.	Ohio.	Ohio.	June 15, 1892	19	10	84	47	71	9	22		
63	Wade, John P.	Ohio.	At large.	" "	20	0	53	88	54	31	54		
64	Work, John C.	Ill.	Ill.	" "	19	1	75	65	56	20	39		
65	Evans, Houston V.	Mo.	Mo.	" "	20	5	67	41	76	53	97		
66	Goodale, George S.	Ore.	Col.	" "	21	2	46	87	77	43	74		
67	Hartshorne, Benj. M., Jr.	N. J.	N. J.	" 18, "	18	11	59	75	80	35	60		
68	Tebbetts, Harry H.	N. H.	Mass.	" "	17	8	64	73	61	45	85		
69	Pickering, James N.	Ohio.	Ark.	" 15, "	20	3	78	51	74	42	73		
70	Chitty, William D.	Mo.	Mo.	" "	21	1	61	63	85	46	86		

a Absent with leave (sick) during Annual Examination, June, 1892, and not examined. Joined new Fourth Class, June 15, 1892.

b Admitted June 17, 1891; discharged January 16, 1892, for deficiency in English studies—S. O. No. 11, A. G. O., January 14, 1892.

FOURTH CLASS—101 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, 1893.
					Years.	Mos.	Mathematics.	English.	French.	Discipline.	
71	Hughes, Henry W.	N. Y.	At large.	June 18, 1892	20	6	82	76	78	8	21
72	Burges, James U.	Va.	Va.	" 15, "	17	9	74	62	66	49	91
73	Stroud, Thomas M.	Texas.	Texas.	" " "	19	4	66	83	70	44	75
74	Hatch, Frederick W.	Minn.	Minn.	" " "	19	10	63	85	88	36	61
75	Brookfield, Robert M.	Pa.	Pa.	" 18, "	19	3	71	48	51	60	150
76	Rogers, Herbert S.	N. Y.	N. Y.	July 5, "	17	3	81	78	62	42	73
77	Powers, Robert B.	Ky.	Ky.	June 15, "	21	4	54	72	86	61	153
78	Stokes, Walter R.	Ill.	Ill.	" 18, "	18	9	80	91	91	30	53
79	McMillan, Robert F.	D. C.	N. Y.	" 15, "	20	1	77	64	83	56	127
80	Orton, Edward P.	Ark.	Ark.	" " "	18	9	79	67	75	59	144
81	Seeley, Herbert B.	Conn.	N. J.	" " "	20	9	76	92	30	65	166
82	Kennington, Alfred E.	Wyo.	Wash.	" " "	21	0	85	61	72	63	159
83	Whyte, William A.	N. Y.	N. J.	" " "	18	2	41	90	90	69	211
84	Kerwin, Arthur R.	N. Y.	N. Y.	" " "	21	8	73	80	81	67	182
85	Hunt, John E.	R. I.	At large.	" " "	18	5	83	82	87	68	190
†	Ashburn, Thomas Q.	Ohio.	Ohio.	" " "	17	7	Def	34	68	62	157
†	Eshleman, Victor E.	Pa.	Pa.	" " "	20	11	Def	93	Def	39	64
†	Farrior, Ernest N.	N. C.	N. C.	" " "	18	7	Def	84	Def	38	63
†	Fuqua, Stephen O.	La.	La.	" " "	17	6	Def	77	50	58	140
†	Kennard, Perry G.	Ill.	Ill.	" 18, "	17	9	Def	89	89	66	170
†	Loring, Chouteau.	Mo.	Cal.	" 15, "	21	0	Def	71	13	64	165
†	McDonough, Joseph M.	N. H.	N. H.	" " "	18	10	Def	81	60	46	86
†	Smith, Charles T.	Mass.	Mass.	" 18, "	20	11	Def	69	79	48	90
a	Heidt, James V.	Ga.	Ga.	" 15, "	19	1					14
b	Hall, Chalmers G.	N. C.	N. C.	" 18, "	17	4					11
c	Hon, Christopher L.	Ill.	Ill.	" 15, "	18	8					16
c	Hulick, Francis R.	Pa.	Pa.	" " "	17	11					16
c	Lawrance, Horatio I.	Ky.	Mich.	" 18, "	19	8					41
d	Remick, Frank C.	La.	Mass.	" 15, "	21	0					18
e	Roche, Edward A.	R. I.	R. I.	" 18, "	19	1					112
c	Thomas, Elmer R.	N. Y.	N. Y.	" 15, "	20	9					21

a Not examined. Absent with leave (sick) from December 21, 1892, until June 15, 1893, "at which time he will be examined by the medical board then in session, to determine whether he is physically qualified, so far as eyesight is concerned, to continue with the Corps of Cadets"—S. O. No. 298, A. G. O., December 21, 1892.

b Not examined. Absent with leave (sick) from December 21, 1892, until June 15, 1893, "at which time he will be examined by the medical board then in session, to determine whether he is physically qualified, so far as eyesight is concerned, to continue with the Corps of Cadets"—S. O. No. 298, A. G. O., December 21, 1892. Leave extended to August 1, 1893—S. O. No. 114, A. G. O., May 20, 1893.

c Not examined. Absent with leave (sick) during Annual Examination, June, 1893.

d Not examined. Absent with leave (sick) from December 21, 1892, until June 15, 1893, "at which time he will be examined by the medical board then in session, to determine whether he is physically qualified to continue with the Corps of Cadets"—S. O. No. 296, A. G. O., December 19, 1892.

e Not examined. Absent with leave from January 19, 1893, until June 15, 1893, to join new Fourth Class, June 15, 1893, S. O. No. 14, A. G. O., January 19, 1893.

† Turned back to join new Fourth Class, per S. O. No. 145, A. G. O., June 27, 1893.

† Discharged June 29, 1893, per S. O. No. 145, A. G. O., June 27, 1893.

CADETS ADMITTED JULY AND SEPTEMBER, 1892.

<i>Number.</i>	<i>Names.</i>	<i>Born in</i>	<i>Appointed from</i>	<i>Date of Admission.</i>	<i>Age at date of Admission.</i>	
					<i>Years.</i>	<i>Mos.</i>
1	Powers, Thomas J., Jr.	Pa.	Pa.	.. July 5 ..	17	4
2	Roberts, Thomas Arnett.....	Ill.	Ill.	.. July 7 ..	20	3
3	Rogers, Herbert Stanley.....	N. Y.	N. Y.	.. July 5 ..	17	3
1	Dallam, Samuel Field.....	Pa.	Pa.	.. Sept. 1 ..	17	11
2	LeBlanc, James Conway.....	Miss.	Miss.	.. Sept. 1 ..	17	7
3	Newell, Isaac.....	Ga.	Ga.	.. Sept. 1 ..	19	10
4	Nolan, Dennis Edwin.....	N. Y.	N. Y.	.. Sept. 1 ..	20	4
5	Shelton, George Henry... ..	Conn.	Conn.	.. Sept. 1 ..	21	2

CADETS ADMITTED JUNE, 1893.

<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	Abbot, Henry.....	Ill.	Ill.	.. June 21 ..	17	5
2	Abernethy, Robert Swepston.....	Texas.	Texas.	.. June 15 ..	18	10
3	Altstaetter, Frederick William.....	Ohio.	Ohio.	.. June 21 ..	17	6
4	Arnold, Frederick Theodore.....	Iowa.	Iowa.	.. June 15 ..	21	8
5	Baltzell, George Franklin.....	Fla.	Fla.	.. June 21 ..	18	0
6	Barlow, Warren Sumner.....	N. J.	N. Y.	.. June 15 ..	19	1
7	Bartels, Henry John.....	Wis.	Wis.	.. June 21 ..	21	8
8	Bauder, Walter Stuart.....	Ohio.	Ohio.	.. June 21 ..	21	3
9	Bell, Thomas Sloan.....	Wis.	Wis.	.. June 21 ..	18	2
10	Bishop, Harry Gore.....	Mich.	Ind.	.. June 15 ..	18	7
11	Blasdel, William Gaines.....	Ark.	Cal.	.. June 21 ..	17	11
12	Bottoms, Sam Frank.....	Ky.	Texas.	.. June 21 ..	17	7
13	Bowley, Albert Jesse.....	Cal.	Cal.	.. June 15 ..	17	7
14	Brady, James Francis.....	N. Y.	N. Y.	.. June 21 ..	18	11
15	Bridges, Charles Higbee.....	Ill.	Ill.	.. June 21 ..	20	3
16	Brown, Howard McLane.....	Md.	Md.	.. June 21 ..	18	10
17	Buckey, Mervyn Chandos.....	Md.	D. C.	.. June 15 ..	20	2
18	Carmichael, Roderick Leland.....	S. C.	S. C.	.. June 15 ..	20	8
19	Cheney, Sherwood Alfred.....	Conn.	Conn.	.. June 15 ..	19	10
20	Chiles, Seaborn Green.....	Fla.	Fla.	.. June 15 ..	19	10
21	Cloke, Harold Edward.....	N. J.	N. J.	.. June 21 ..	20	1
22	Cole, Harvey Long.....	Pa.	Pa.	.. June 15 ..	19	1
23	Coleman, Cecil Powell.....	Mo.	Mo.	.. June 21 ..	19	0
24	Coleman, Fred Edgar.....	Ill.	Ill.	.. June 15 ..	18	8
25	Collins, Edgar Thomas.....	Pa.	Pa.	.. June 15 ..	20	3
26	Conklin, Arthur Stewart.....	N. Y.	N. Y.	.. June 21 ..	20	7
27	Conley, Edgar Thomas.....	Md.	Md.	.. June 15 ..	19	2
28	Connor, William Durward.....	Wis.	Iowa.	.. June 21 ..	19	4
29	Davis, George Elwell.....	Vt.	Vt.	.. June 21 ..	18	8
30	Day, Clarence Richmond.....	Va.	Ky.	.. June 15 ..	20	9
31	Dichmann, Henry Magdeburg.....	Wis.	Wis.	.. June 21 ..	17	3
32	Dorey, Halstead.....	Mo.	Mo.	.. June 21 ..	19	4
33	Doster, Chase.....	Kan.	Kan.	.. June 21 ..	20	6
34	Drury, Ralph Willard.....	Mass.	Mass.	.. June 21 ..	19	3
35	Fassett, William Mason.....	N. H.	N. H.	.. June 21 ..	17	5

CADETS ADMITTED, JUNE, 1893.

Number.	Names.	Where born.	Appointed from	Date of Admission.	Age at date of Admission.	
					Years.	Mos.
36	Fawcett, Irwin Cook.....	Ind.	Ind.	.. June 21 ..	17	6
37	Ferguson, Harley Bascom.....	N. C.	N. C.	.. June 15 ..	17	10
38	Fiscus, William Watson, Jr.....	Pa.	Pa.	.. June 15 ..	18	0
39	Fiske, Harold Benjamin.....	Ore.	Ore.	.. June 21 ..	21	7
40	Fitch, William Sherman.....	Mo.	At large	.. June 15 ..	18	0
41	Freund, Jed Burt.....	Mich.	Mich.	.. June 21 ..	19	1
42	Frissell, Thomas Taylor.....	Mo.	Mo.	.. June 15 ..	21	0
43	Gibson, Easton Rutledge.....	Mo.	Mo.	.. June 21 ..	19	6
44	Gilbert, Charles Bertram.....	Cal.	N. M.	.. June 15 ..	20	3
45	Gillin, Daniel Aloysius.....	Pa.	Pa.	.. ^a June 15 ..	19	10
46	Hamilton, William West.....	Ga.	Ga.	.. June 15 ..	17	0
47	Hanna, Matthew Elting.....	Ohio.	Ohio.	.. June 15 ..	20	3
48	Harper, Roy Beveridge.....	Ill.	Ill.	.. June 21 ..	18	10
49	Helms, George Willis.....	Va.	Va.	.. June 15 ..	17	7
50	Hines, Arthur Scott.....	Ky.	Ky.	.. June 15 ..	20	5
51	Hughes, John Hendricken.....	N. Y.	N. Y.	.. June 21 ..	17	4
52	Humphrey, Chauncey Benton.....	Kan.	Kan.	.. June 21 ..	20	7
53	Johnston, Frederick Edgar.....	Iowa.	Iowa.	.. June 15 ..	18	4
54	Kern, William Casper.....	Ind.	Ind.	.. June 21 ..	17	9
55	Koehler, Benjamin Martin.....	Ill.	Neb.	.. June 15 ..	21	5
56	Longan, Rufus Estes.....	Mo.	Mo.	.. June 21 ..	20	5
57	Maginnis, Thomas Francis.....	Minn.	Minn.	.. June 21 ..	18	9
58	Marine, Madison.....	Md.	Md.	.. June 21 ..	19	9
59	Martin, Carl Anson.....	Kan.	Kan.	.. June 15 ..	20	9
60	McCoy, Frank Ross.....	Pa.	Pa.	.. June 21 ..	18	7
61	McLeod, Hugh.....	Va.	Va.	.. June 21 ..	19	11
62	Miller, Claude Hamilton.....	Va.	Va.	.. June 15 ..	17	4
63	Miller, Harry Warren.....	Pa.	Pa.	.. June 15 ..	18	6
64	Miller, Lawrence Sprague.....	Md.	Vt.	.. June 21 ..	21	3
65	Milliken, Seth Mellen.....	Me.	Me.	.. June 15 ..	18	6
66	Mitchell, George Edward.....	Mich.	Mich.	.. June 21 ..	17	6
67	Mogel, Levi Fryberger.....	Pa.	Pa.	.. June 21 ..	19	9
68	Moore, John Kirkpatrick.....	Ohio.	Ohio.	.. June 15 ..	21	1
69	Morgan, Henry Sims.....	Ga.	Ga.	.. June 21 ..	18	8
70	Moses, Andrew.....	Texas.	Texas.	.. June 21 ..	19	0

^a Admitted June 15, 1892. Absent with leave from October 17, 1892, to December 15, 1892. Resigned December 15, 1892.

CADETS ADMITTED JUNE, 1893.

Number.	Names.	Where born.	Appointed from	Date of Admission.	Age at date of Admission.	
					Years.	Mos.
71	Munro, James Noble.....	Minn.	Minn.	.. June 21 ..	21	8
72	Murphy, Pierce Ambrose.....	Wyo.	Wash.	.. June 21 ..	20	1
73	Newbill, Willard Douglas.....	Va.	Va.	.. June 21 ..	18	10
74	Oakes, John Calvin.....	N. Y.	N. Y.	.. June 15 ..	21	8
75	Overton, Winfield Scott, Jr.....	N. Y.	N. Y.	.. June 21 ..	18	4
76	Pearce, Fred Anderson.....	Ark.	Ark.	.. June 21 ..	21	9
77	Pearce, Earle Darsey.....	Ga.	Ga.	.. June 15 ..	17	2
78	Pinks, Frederick Lawrence.....	Pa.	Pa.	.. June 15 ..	17	5
79	Pinney, Hurlbert Henry.....	Iowa.	Iowa.	.. June 21 ..	18	10
80	Pope, Francis Horton.....	Kan.	At large	.. June 15 ..	17	1
81	Raymond, John Carrington.....	N. Y.	Pa.	.. June 21 ..	20	11
82	Reed, William Lewis.....	N. J.	N. Y.	.. June 21 ..	18	8
83	Roberts, Charles Duval.....	Dak.	Wyo.	.. June 15 ..	20	0
84	Sarratt, Edwin Oliver.....	S. C.	S. C.	.. June 15 ..	21	10
85	Savage, Frank Marion.....	Ala.	Ala.	.. June 21 ..	20	2
86	Sirmyer, Edgar Alexander.....	Mich.	Mich.	.. June 21 ..	17	6
87	Smither, Henry Carpenter.....	Ind. T.	At large	.. June 15 ..	19	11
88	Valentine, William Stanley.....	N. Y.	Texas.	.. June 15 ..	21	0
89	Ward, Phillip Raymond.....	N. Y.	N. Y.	.. June 15 ..	18	11
90	Welch, Lyman Mowry.....	Cal.	Cal.	.. June 21 ..	18	1
91	Williams, Jay Emmett.....	Mo.	Neb.	.. June 21 ..	21	6
92	Wilson, Edward Paul.....	Ala.	Ala.	.. June 21 ..	21	1
93	Wolf, Louis Casper.....	Wis.	Wis.	.. June 21 ..	20	5
94	Wood, David Perry.....	Mo.	Mo.	.. June 15 ..	19	3
95	Wood, Earnest Edward.....	Cal.	Cal.	.. June 15 ..	17	10
96	Woodyard, Jacob Frank.....	W. Va.	W. Va.	.. June 15 ..	18	0
97	Workizer, John Girardin.....	Mo.	Mo.	.. June 21 ..	18	6
98	Wright, Charles Hanna.....	Tenn.	Tenn.	.. June 21 ..	19	10
99	Young, John Richard.....	Ohio.	Ohio.	.. June 15 ..	18	9

GENERAL MERIT ROLL
OF THE
GRADUATING CLASS
OF
1893.

GENERAL MERIT ROLL OF THE GRADUATING CLASS OF 1893.

Class Rank.	Names.	MERIT IN													General Merit.	Recommended for promotion in—	
		Mathematics.	English.	French.	Nat'l and Expl'd Philosophy.	Chemistry, Chemical Physics, Mineralogy and Geology.	Drill Regulations.	Drawing.	Civil and Military Engineering.	History.	Spanish.	Law.	Ordnance and Gunnery.	Practical Military Engineering.			Discipline.
	<i>Maximum in each branch.</i>	400.0	75.0	150.0	300.0	225.0	100.0	125.0	300.0	75.0	75.0	150.0	125.0	45.0	200.0	2345.0	
1	Howell, George P.	398.5	75.0	146.3	300.0	223.4	100.0	83.1	289.8	75.0	74.0	150.0	120.5	40.7	188.2	2264.5	Engineers, Ordnance, Artillery, Cavalry or Infantry.
2	Kutz, Charles W.	388.4	70.0	124.1	293.9	223.5	96.6	121.7	300.0	71.9	38.3	141.1	125.0	42.6	186.4	2223.5	
3	Walker, Meriwether L.	359.9	71.4	142.6	289.8	200.5	98.7	111.2	261.2	70.9	71.9	141.1	117.2	44.4	191.3	2172.1	
4	Johnston, Robert P.	391.6	73.6	125.9	285.7	202.0	97.3	93.0	283.7	62.8	68.9	101.0	122.3	41.9	185.7	2135.4	
5	Raymond, Robert R.	372.6	67.1	138.9	282.7	212.8	83.8	120.9	283.7	54.6	66.8	139.8	118.9	45.0	176.4	2114.0	
6	Cruikshank, William M. ...	359.9	72.1	140.7	279.6	162.3	98.0	118.6	273.5	74.0	57.7	132.8	105.6	40.1	170.2	2085.1	
7	Heiner, Gordon G.	310.2	70.7	133.3	273.5	217.4	93.3	98.3	267.3	68.9	67.9	143.0	112.7	35.8	150.1	2051.4	
8	Rice, John H.	351.4	69.3	122.2	242.8	188.2	93.9	102.5	263.3	73.0	69.9	140.2	106.0	32.2	171.8	2026.6	
9	McManus, George H.	352.6	61.4	90.7	251.0	206.6	87.2	106.0	263.3	67.9	45.4	129.6	102.6	26.6	192.2	1983.1	
10	Timberlake, Edward J., Jr.	355.3	57.9	98.1	289.8	189.9	89.2	110.9	273.5	41.3	49.5	87.1	115.5	41.3	182.3	1981.6	
11	Le Comte, Henry C.	344.0	69.6	150.0	220.5	224.3	98.4	82.1	226.6	74.5	66.3	145.8	112.2	17.1	115.3	1945.7	
12	King, David M.	335.9	48.6	109.3	267.4	163.1	91.9	94.7	273.5	58.7	63.8	94.1	113.8	27.9	190.1	1932.8	
13	Andrews, Lincoln C.	359.8	72.9	116.7	263.3	167.1	84.5	95.9	265.3	46.4	42.3	114.1	92.4	34.0	172.4	1927.1	
14	Hazzard, Samuel C.	241.1	66.4	135.2	222.4	178.3	91.2	114.2	216.3	64.8	70.9	111.2	113.1	43.8	188.8	1857.7	
15	Schindel, Samuel J. B.	323.4	45.7	96.3	267.4	159.2	89.9	68.5	251.0	60.7	58.7	107.6	88.2	38.9	192.9	1848.4	
16	Smedberg, William R., Jr.	364.6	68.6	144.4	230.6	171.1	99.3	54.3	210.2	51.5	73.0	99.8	90.7	39.5	141.1	1838.7	
17	Laubach, Howard L.	265.0	44.5	94.4	251.1	170.4	96.0	97.1	255.1	66.8	50.5	117.7	96.8	28.5	191.9	1825.8	
18	Farr, Otho W. B.	333.6	62.1	103.7	230.6	165.4	81.8	63.7	240.8	57.7	59.7	139.8	80.1	30.9	161.6	1811.5	
19	Honey, Robertson.	266.4	62.9	150.0	216.3	146.9	77.1	69.4	234.7	55.6	75.0	119.4	106.3	32.8	179.8	1792.6	
20	Clark, Elmer W.	326.9	59.3	100.0	253.1	173.9	94.6	84.9	255.1	39.3	44.4	100.6	86.9	19.9	139.5	1778.4	
21	Morgan, John M.	276.5	60.0	114.8	232.7	188.1	83.2	83.6	212.3	53.6	48.5	124.3	84.5	37.7	165.3	1765.1	
22	Lawton, Louis B.	225.5	60.7	118.5	298.7	160.5	74.4	61.6	228.6	65.8	64.8	129.1	106.3	20.5	183.3	1738.3	
23	Williams, Andrew E.	307.1	40.0	59.3	298.7	198.7	82.5	99.5	230.6	50.5	27.0	78.2	103.2	18.1	183.6	1717.0	
24	Martin, Amos H.	275.1	42.1	113.0	197.9	155.9	80.5	59.8	210.2	56.6	51.5	121.5	103.2	24.2	163.4	1654.9	
25	Babcock, Walter C.	264.6	39.3	92.6	155.1	206.4	92.6	120.4	218.4	48.5	32.1	101.0	75.0	26.0	177.7	1649.7	
26	Yates, William.	210.0	53.6	97.7	191.9	174.6	87.9	60.3	198.0	69.9	40.3	138.2	91.7	21.7	170.9	1606.7	
27	Crosby, Herbert B.	202.4	67.9	129.6	193.9	194.8	81.1	71.7	161.2	59.7	56.6	106.7	90.7	24.8	146.0	1587.1	

28	Bassette, Buell B.....	222.8	47.9	111.1	181.6	124.0	95.3	122.1	185.7	44.4	55.6	92.4	71.6	43.2	187.3	1585.0
29	Hyer, Benjamin B.....	271.2	37.1	107.4	193.9	119.7	76.4	106.2	208.1	27.0	53.6	72.9	77.4	38.3	172.4	1561.6
30	Smith, Mathew C.....	274.7	42.9	101.9	161.3	144.1	79.8	98.9	163.3	43.4	52.6	114.9	82.4	18.7	173.6	1552.5
31	Cassatt, Edward B.....	285.6	55.0	148.1	187.7	113.0	90.6	50.6	163.3	37.2	61.7	84.3	73.3	37.0	113.8	1501.2
32	Smith, Thomas L.....	241.5	34.3	81.5	208.2	131.5	70.4	81.1	177.6	34.2	28.1	98.9	91.4	27.2	181.1	1487.0
33	Walker, Kenzie W.....	327.7	65.0	70.4	184.7	81.2	78.4	111.0	183.7	29.1	30.1	71.6	51.9	35.2	151.9	1471.9
34	Edwards, Arthur M.....	239.0	50.0	127.8	185.7	117.4	69.0	69.6	134.7	61.7	62.8	93.7	48.4	22.3	188.8	1470.9
35	Pattison, Harry H.....	270.4	52.9	79.6	151.1	108.9	85.9	68.9	181.6	47.4	26.0	78.5	63.1	30.3	170.5	1415.1
36	Hartwick, Edward E.....	218.6	40.7	75.9	167.3	150.4	71.0	74.9	163.3	52.6	36.2	96.5	61.7	25.4	176.4	1410.9
37	Sawtelle, Charles G., Jr...	218.7	46.4	64.8	181.7	100.8	67.0	87.1	163.2	38.3	43.4	75.7	71.6	31.5	160.0	1350.2
38	Perry, Howard R.....	264.8	45.0	77.8	132.6	114.6	71.7	78.8	177.6	40.3	25.0	60.6	81.8	15.0	159.1	1344.7
39	Houle, George E.....	187.5	47.1	120.4	128.5	140.8	79.1	90.2	118.3	49.5	65.8	71.2	49.5	19.3	149.5	1316.7
40	Kilbourne, Lincoln F.....	168.6	53.6	66.7	149.0	176.0	88.6	46.3	130.6	30.1	35.2	123.5	71.6	33.4	142.9	1316.1
41	Hart, Verling K.....	202.5	37.9	68.5	146.9	113.2	86.5	51.7	136.7	36.2	54.6	114.1	58.3	21.1	174.9	1303.1
42	Spence, Robert E. L.....	205.8	41.4	85.2	175.5	102.6	73.7	41.7	171.4	42.3	47.4	73.2	52.6	29.7	160.0	1302.5
43	Rogers, William C.....	232.5	55.7	83.3	106.1	113.3	68.3	116.0	167.3	35.2	34.2	51.6	44.4	23.0	164.7	1295.6
44	McKenna, Frank B.....	180.0	63.6	88.9	122.5	110.6	75.1	43.9	114.3	63.8	60.7	106.0	61.4	16.8	154.1	1261.7
45	Jamerson, George H.....	206.4	35.0	74.1	126.5	98.4	73.1	65.9	136.7	28.1	37.2	61.0	62.4	36.4	183.9	1225.1
46	Carey, Edward C.....	256.6	58.6	57.4	140.8	90.2	69.7	58.1	130.6	31.1	33.2	57.0	64.4	16.2	141.7	1205.6
47	Taylor, Edward.....	154.7	51.4	63.0	122.5	96.3	75.8	82.7	136.8	33.2	31.1	62.6	50.8	29.1	189.8	1179.8
48	Smith, Hamilton A.....	185.8	43.6	72.2	110.2	84.2	85.2	92.7	108.2	25.0	41.3	53.2	58.0	34.6	166.2	1160.4
49	Nelson, Hunter B.....	132.9	27.9	61.1	106.1	110.0	72.4	53.1	106.1	45.4	39.3	64.7	52.2	23.6	148.2	1093.0
50	Laws, Albert.....	142.0	35.7	87.0	106.1	75.0	77.8	63.0	106.1	32.1	46.4	61.4	42.7	17.4	176.1	1068.8
51	Saville, Mathew E.....	178.0	27.6	50.0	134.6	82.6	67.7	49.2	114.2	26.0	29.1	51.2	54.6	15.6	127.4	1007.8

Cavalry or
Infantry.

*LIST OF DISTINGUISHED CADETS REPORTED AT THE
ANNUAL EXAMINATION, 1893.*

Number.	Names.	Where born.	Appointed from	Science and Art in which each Cadet particularly excels.
FIRST CLASS.				
1	Howell, George P.....	N. C.	N. C.	Civil and Military Engineering and Science of War, Law, History, Spanish, Ordnance and Gunnery, Practical Military Engineering, Natural and Experimental Philosophy, Chemistry, Chemical Physics, Mineralogy and Geology, Drill Regulations, Mathematics, English and French.
2	Kutz, Charles W.....	Pa.	Pa.	Civil and Military Engineering and Science of War, Law, History, Ordnance and Gunnery, Practical Military Engineering, Natural and Experimental Philosophy, Chemistry, Chemical Physics, Mineralogy and Geology, Drill Regulations, Drawing, Mathematics and English.
3	Walker, Meriwether L....	Va.	Va.	Law, History, Spanish, Ordnance and Gunnery, Practical Military Engineering, Natural and Experimental Philosophy, Chemistry, Chemical Physics, Mineralogy and Geology, Drill Regulations, Drawing, Mathematics, English and French.
4	Johnston, Robert P.....	N. C.	N. C.	Civil and Military Engineering and Science of War, Spanish, Ordnance and Gunnery, Practical Military Engineering, Natural and Experimental Philosophy, Chemistry, Chemical Physics, Mineralogy and Geology, Drill Regulations, Mathematics and English.
5	Raymond, Robert R.....	N. Y.	N. Y.	Civil and Military Engineering and Science of War, Law, Spanish, Ordnance and Gunnery, Practical Military Engineering, Chemistry, Chemical Physics, Mineralogy and Geology, Drawing, Mathematics and French.

*LIST OF DISTINGUISHED CADETS REPORTED AT THE
ANNUAL EXAMINATION, 1893.*

<i>Number.</i>	<i>Names.</i>	<i>Where born.</i>	<i>Appointed from</i>	<i>Science and Art in which each Cadet particularly excels.</i>
SECOND CLASS.				
1	Barden, William J.	Conn.	Conn.	Natural and Experimental Philosophy, Chemistry, Chemical Physics, Mineralogy and Geology, Drill Regulations and Drawing.
2	Ladue, William B.	Mich.	Ore.	Natural and Experimental Philosophy, Chemistry, Chemical Physics, Mineralogy and Geology, Drill Regulations and Drawing.
3	Pence, William P.	Ind.	Ind.	Natural and Experimental Philosophy, Chemistry, Chemical Physics, Mineralogy and Geology.
4	Conrad, Casper H., Jr.	Ohio.	S. D.	Natural and Experimental Philosophy, Chemistry, Chemical Physics, Mineralogy and Geology, Drill Regulations and Drawing.
5	Hof, Samuel.	Wis.	Wis.	Natural and Experimental Philosophy, Chemistry, Chemical Physics, Mineralogy and Geology.
THIRD CLASS.				
1	Schulz, Edward H.	W. Va.	W. Va.	Mathematics, French and Drawing.
2	Paine, Charles H.	Vt.	Md.	Mathematics and Drawing.
3	Mitchell, Americus.	Ala.	Ala.	French.
4	Payne, Brooke.	Va.	Va.	Mathematics, French and Drawing.
5	Knowlton, Joseph L.	Ill.	Ill.	Mathematics and French.
FOURTH CLASS.				
1	Shelton, George H.	Conn.	Conn.	English and French.
2	Grubbs, Haydon Y.	Ky.	Ky.	English and French.
3	Hoffman, George M.	Pa.	Pa.	Mathematics.
4	Callan, Robert E.	Md.	Tenn.	Mathematics, English and French.
5	Tschappat, William H.	Ohio.	Ohio.	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.

CASUALTIES.

Resigned (11).

Aldrich, Ward P.....	3d Class.....	April	6, 1893.
Allen, Boughton T.....	4th Class.....	September	26, 1892.
Canfield, Edwin F.....	4th Class.....	January	20, 1893.
*Chapman, Charles M.....	4th Class.....	June	15, 1892.
Drake, Ralph L.....	4th Class.....	December	20, 1892.
Duryea, Frank W.....	4th Class.....	September	26, 1892.
Gillen, Daniel A.....	4th Class.....	December	15, 1892.
Perry, Chambers.....	4th Class.....	January	20, 1893.
Powers, Thomas J., Jr.....	4th Class.....	December	31, 1892.
Turman, Reuben S.....	4th Class.....	May	9, 1893.
Woodbridge, Robert E.....	4th Class.....	December	26, 1892.

Discharged (20).

Coppock, Wilson C.....	2d Class.....	November	16, 1892.
Botts, Louis E.....	3d Class.....	June	29, 1893.
Briscoe, Walter L.....	3d Class.....	January	23, 1893.
Conard, Harvey E.....	3d Class.....	July	4, 1892.
Dillaway, Alvan S.....	3d Class.....	June	29, 1893.
Aikman, Paul R.....	4th Class.....	January	23, 1893.
Dickerson, Clarence C.....	4th Class.....	December	24, 1892.
Durkin, Joseph F.....	4th Class.....	August	31, 1892.
Eigenmann, Louis P.....	4th Class.....	January	23, 1893.
Eshleman, Victor E.....	4th Class.....	June	29, 1893.
Farrior, Ernest N.....	4th Class.....	June	29, 1893.
Fink, Allen.....	4th Class.....	January	23, 1893.
Fuqua, Stephen O.....	4th Class.....	June	29, 1893.
Kennard, Perry G.....	4th Class.....	June	29, 1893.
Mahaney, Reynolds C.....	4th Class.....	January	23, 1893.
McDonald, Thomas B.....	4th Class.....	July	4, 1892.
Palmer, Joseph, Jr.....	4th Class.....	January	23, 1893.
Smith, Charles T.....	4th Class.....	June	29, 1893.
Sorey, William L.....	4th Class.....	October	15, 1892.
Thompson, Harry L.....	4th Class.....	January	23, 1893.

Died (1).

Akester, Arnold.....	4th Class.....	August	29, 1892.
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Vacated Cadetship by Accepting a Civil Appointment in the Interior Department (1).

†Hope, Leighton.....	4th Class.....	July	27, 1892.
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Retired (1).

George L. Andrews, Professor of Modern Languages, retired August 31, 1892. (By operation of law, Section 1, Act of June 30, 1882.)

Commission Vacated by New Appointment (1).

By Professor Edward E. Wood, Military Academy; his commission as Captain, 8th Cavalry, U. S. Army, October 5, 1892. Appointed Professor of Modern Languages to date October 1, 1892.

* Absent without leave from June 15, 1892, to August 15, 1892. Dropped in accordance with Paragraph 83, Academic Regulations, U. S. M. A. Resignation accepted, to date June 15, 1892.
 † On leave of absence from July 25, 1892, his resignation having been accepted to take effect August 31, 1892—S. O. No. 172, A. G. O., July 23, 1892.

Battalion Organization.

JUNE 30, 1893.

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 officers are taken from the first class; the sergeants from the second class; and the corporals from the third class.

"A."

"B."

"C."

"D."

CAPTAINS.

C. H. CONRAD, JR.¹J. W. JOYES,³W. J. BARDEN,⁴J. C. GILMORE, JR.²

LIEUTENANTS.

W. B. LADUE, *Adjutant.*J. M. WILLIAMS, *Quartermaster.*W. H. MITCHELL,¹C. C. WILLIAMS,²G. H. ESTES, JR.,³T. G. CARSON,⁴D. E. AULTMAN,⁵J. F. PRESTON, JR.⁶B. AMES,⁷H. S. HAWKINS.⁸M. F. SMITH, *Sergeant-Major.*T. W. DARRAH, *Quartermaster-Sergeant.*

1st SERGEANTS.

H. E. SMITH,¹M. O. BIGELOW,²B. PAYNE,³J. A. GURNEY.⁴

SERGEANTS.

H. LA T. CAVENAUGH,³H. H. STOUT,¹JENS BUGGE, JR.⁴L. M. NUTTMAN,²H. A. WHITE,³A. S. FLEMING,⁵F. P. SIVITER,⁶F. W. SMITH,⁷T. L. AMES,⁹F. B. WATSON,¹⁰J. L. KNOWLTON,¹¹C. H. PAINE,¹²H. BURGESS,¹³H. O. PENICK,¹⁵G. B. PRITCHARD, JR.¹⁶J. S. PARKER.¹⁴

LANCE CORPORALS.

J. W. HINKLEY, JR.¹G. T. SUMMERLIN,³F. G. SMITH,⁴D. P. HALL,⁵E. L. KING,²A. E. KENNINGTON,⁸S. V. MCCLURE,⁷A. G. LOTT,⁶T. A. ROBERTS,⁹R. J. BURT,¹⁰G. M. HOFFMAN,¹⁴A. M. MILLER, JR.¹¹E. R. HEIBERG,¹²J. HAGOOD, JR.¹³H. Y. GRUBBS,¹⁷F. W. LEWIS,¹⁵W. D. CHITTY,¹⁶H. W. HUGHES,¹⁹W. S. GUIGNARD,¹⁸C. H. McNEIL.²⁰

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. Davies' Surveying. Church's Analytical Geometry. *Ludlow's Logarithmic Tables.
Modern Languages.	Keetels' Analytical and Practical French Grammar. Keetels' Analytical French Reader. *Spiers' and Surene's Dictionary. Whitney's Essentials of English Grammar. Hart's Manual of Rhetoric and Composition. Abbott and Seeley's English Lessons for English People. Abbott's How to Write Clearly. *Webster's Dictionary.
History, Geography and Ethics.	Lectures in Ethics, and in Universal History.
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—Siege and Light Artillery. *Blunt's Firing Regulations for Small Arms.
Use of the Sword, &c	Instruction in Fencing and Bayonet Exercise, and Military Gymnastics.

SECOND YEAR.—THIRD CLASS.

DEPARTMENT.	COURSE OF STUDY, TEXT-BOOKS, AND BOOKS OF REFERENCE.
Mathematics.	Church's Analytical Geometry. Church's Descriptive Geometry, with its application to Spherical Projections, Shades, Shadows and Perspective. Bass' Introduction to the Differential Calculus. Church's Calculus. Johnson's Treatise on the Method of Least Squares.
Modern Languages.	Keetels' Analytical and Practical French Grammar. Borel's Grammaire Française. Bôcher's College Series of French Plays. Roemer's Cours de Lecture et de Traduction. Vols. I and II. *Spiers' and Surene's Dictionary.
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, and Linear Perspective and Isometric Projections; Practical Surveying in the Field. *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 of the Trooper—Cavalry. Practical Instruction in Small Arms Target Practice. *Blunt's Firing Regulations for Small Arms.
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.	Bloxam's Chemistry (7th Edition). Tillman's Elementary Lessons in Heat (2d Edition). Tillman's Essential Principles of Chemistry. Tracy's Anatomy, Physiology and Hygiene. Thompson's Elementary Lessons in Electricity and Magnetism. Dana's Manual of Mineralogy and Petrography (5th Edition). LeConte's Elements of Geology (3d Edition).
Drawing.	Free Hand Drawing and Landscape in black and white. Mechanical and Architectural Drawing in ink and colors. Constructive Details; Ordnance Constructions. *Reed's Topographical Drawing and Sketching, including Photography Applied to Surveying.
Drill Regulations, U. S. Army.	United States Army Artillery Drill Regulations. Tidball's Manual of Heavy Artillery Service, U. S. A. United States Army Cavalry Drill Regulations. United States Army Infantry Drill Regulations. Practical Instruction in the Schools of the Soldier, Company and Battalion—Infantry. Practical Instruction in the School of the Cannoneer—Sea Coast Artillery; and in the Schools of the Trooper, Troop and Squadron—Cavalry.
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 REFERENCES.
Civil and Military Engineering and Science of War.	Wheeler's Civil Engineering. Wheeler's Field Fortifications. Mercur's Mahan's Permanent Fortification (Edition of 1887). Wheeler's Military Engineering (Siege Operations). Mercur's Military Mining. Mercur's Elements of the Art of War. Mahan's Stereotomy. *Royal Engineers, Aide-Mémoire, Parts I and II.
Modern Languages.	Knapp's Spanish Grammar, Knapp's Spanish Readings. *Seoane's Neuman and Baretti's Dictionary.
Law.	Davis's International Law. Cooley's General Principles of Constitutional Law in the United States. Winthrop's Abridgment of Military Law. General Orders No. 100, A. G. O., 1863.
History, Geography and Ethics.	Swinton's Outlines of the World's History. *Labberton's New Historical Atlas and General History.

FOURTH YEAR.—FIRST CLASS (Continued).

DEPARTMENT.	COURSE OF STUDY, TEXT-BOOKS, AND BOOKS OF REFERENCE.
Practical Military Engineering.	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 Battalion—Infantry; of the Trooper, Troop and Squadron—Cavalry; and of the Battery—Artillery.
Ordnance and Gunnery.	Bruff's Gunpowder and Interior Ballistics. Metcalf's Ordnance and Gunnery. Ingall's System of Exterior Ballistics.

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. Ten 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 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 *with 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 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, upon receiving their conditional appointments, will be instructed to appear for mental and physical examination before a Board of Army Officers to be convened at the military post nearest their respective places of residence on the 1st day of March annually (except when that day comes on Sunday, in which case the examinations will commence on the following Tuesday). The candidates who pass successfully will be admitted to the Academy, without further examination, upon reporting in person to the Superintendent at West Point before 12 o'clock M. on the 15th day of June.

Candidates selected to fill the vacancies unprovided for at the examinations held in March, and those which may occur after that time, will be instructed to report at West Point, for examination early in June. The candidates who pass successfully this examination will be admitted, at once, to the Academy without returning to their homes.

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.—The age for the admission of Cadets to the Academy is between seventeen and twenty-two years. Candidates must be unmarried, at least five feet in height, free from any infectious or immoral disorder, and generally from any deformity, disease, or infirmity which may render them unfit for military service. They must be well versed in reading, in writing including orthography, in arithmetic, and 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 and 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., &c.
- 10.—An unusual excurvature or incurvature of the spine.

NOTE.—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. 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.

11.—Hernia.

12.—A varicose state of the veins of the scrotum or the spermatic cord (when large), hydrocele, hemorrhoids, fistulas.

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, and 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 $5\frac{1}{2} + \frac{7\frac{1}{4}}{0.5} - 0.725$
 $\frac{4 + 3.45}{2\frac{1}{2}}$ to an equivalent decimal.

Divide 3380321 by MDCXCIX, 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% , and $29\frac{1}{8}$.

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

Separate $772\frac{1}{2}$ into three numbers, which shall be in the same proportion as $2\frac{1}{2}$, $\frac{7}{10}$, $\frac{1}{16}$. 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, $\frac{1}{6}$.

A wins 9 games out of 15 when playing against B, and 16 out of 25 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 $2\frac{1}{3}$ miles in 16 minutes and 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 $3\frac{1}{2}$ hours, B and C in $5\frac{1}{7}$ 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 rules 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, showing 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; results of it, &c., &c.

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

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

LINCOLN.—War of the Rebellion; 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 in January and June, and, at the former, 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. Similar examinations are held every January and June during the four years comprising the course of studies.

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 must be deposited with the Treasurer of the Academy before the candidate is admitted. 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. 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 the 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, 1893.

BY ORDER OF COLONEL ERNST :

A handwritten signature in cursive script, reading "J. M. Carson, Jr." The signature is written in dark ink and is positioned above the typed name and rank.

1st Lieut. 5th Cavalry,
Adjutant.