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*Rev. C. C. Haven says  
with Compliments of  
H. H. Tilley*

*May*

15

EIGHTEENTH ACADEMIC YEAR.

3

~~1867~~  
~~1868~~

ANNUAL REGISTER

OF THE

UNITED STATES NAVAL ACADEMY,

AT

ANNAPOLIS, MD.,

FOR

THE ACADEMIC YEAR 1867-'68.

WASHINGTON  
GOVERNMENT PRINTING OFFICE.  
1867.



EIGHTEENTH ACADEMIC YEAR.

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WASHINGTON:  
GOVERNMENT PRINTING OFFICE  
1867.



# NAVAL SCHOOL.

FOUNDED OCTOBER 10, 1845.

JAMES K. POLK, *President of the United States.*  
GEORGE BANCROFT, *Secretary of the Navy.*

Naval School was reorganized on the 1st July, 1850, under the title of Naval Academy, as a school of naval and practical science. At that time the course of instruction was materially enlarged, and the school was placed under the supervision of the Chief of the Bureau of Ordnance and Hydrography. In October, 1851, the present course of instruction of four years was adopted. At the establishment of the Bureau of Navigation, (July 5, 1862,) the Academy was placed under its jurisdiction.

Since March 1, 1867, it has been under the direct care and supervision of the Secretary of the Navy, and all administrative routine and financial management conducted through the Bureau of Navigation, the Navy Department.

## BOARD OF VISITORS.

The following named gentlemen were invited by the Hon. Secretary of the Navy to attend the examination of Midshipmen of the Naval Academy in May, 1867 :

Rear-Admiral GEORGE F. PEARSON, U. S. N., *President.*  
Commodore DANIEL B. RIDGELY, U. S. N.  
Paymaster JOHN N. HAMBLETON, U. S. N.  
Surgeon NINIAN PINKNEY, U. S. N.  
Captain JOHN C. HOWELL, U. S. N.  
Chief Engineer WILLIAM ROBERTS, U. S. N.  
Hon. HENRY B. ANTHONY, Rhode Island.  
Hon. ALEXANDER H. RICE, Massachusetts.  
Hon. GUSTAVUS V. FOX, New Hampshire.  
Hon. WILLIAM A. DARLING, New York.  
Rev. WILLIAM SALTER, Iowa.  
WILLIAM C. WHITTEMORE, Esq., Connecticut.

### EXTRACT FROM THE REGULATIONS OF THE NAVAL ACADEMY.

VI, SEC. 9.—The Secretary of the Navy will, when expedient, annually invite not less than seven persons such as he may judge well qualified, to attend at the Academy during the June examination as Visitors, for the purpose of witnessing the examination of the graduating and other classes, and of reporting into the state of the police, discipline, and general management of the institution; the result of the examination they will report to the Secretary of the Navy.

## ACADEMIC BOARD.

DAVID D. PORTER, Vice-Admiral, *President.*

HENRY B. LUCE, Commander..... *Commandant of Midshipmen, Head of Department of Seamanship, Gunnery, Naval and Infantry Tactics, &c.*  
FRANK W. MEADE, JR., Lieut. Com'r... *Assistant to Commandant of Midshipmen, in charge of Department of Seamanship, &c.*  
JAMES O. SELFRIDGE, Lieut. Com'r... *Assistant to Commander of Midshipmen, in Executive Duty.*  
ANDREW O. MATTHEWS, Lieut. Com'r... *Assistant to Commander of Midshipmen, in charge of Department of Gunnery, &c.*  
JESSE DEWEY, Lieut. Com'r..... *Assistant to Commandant of Midshipmen, in Executive Duty, in charge of School Ship Constitution.*  
SAMUEL H. WILLCOX, Professor..... *Head of Department of Mathematics.*  
ASBURY WILLIAMSON, Chief Engineer... *Head of Department of Steam Engineering.*  
WALTER L. PHYTHIAN, Lieut. Com'r.... *Head of Department of Astronomy, Navigation, and Surveying.*  
JOHN H. LOCKWOOD, Professor..... *Head of Department of Natural and Experimental Philosophy.*  
JAMES BARNES, Lieut. Com'r..... *Head of Department of Ethics and English Studies.*  
WILLIAM D. V. DOVILLIERS, Professor..... *Head of the Department of French.*  
FRANK A. ROGET, Professor..... *Head of the Department of Spanish.*  
GOMERY SICARD, Lieut. Com'r.... *Head of the Department of Drawing.*





# OFFICERS OF THE NAVAL ACADEMY.

Vice-Admiral DAVID D. PORTER, *Superintendent.*  
 Commander JOHN G. WALKER, *Assistant to Superintendent.*  
 JAMES M. ALDEN, *Secretary to Vice-Admiral.*

## ACADEMIC STAFF.

Commander STEPHEN B. LUCE..... *Commandant of Midshipmen, Head of Department of Seamanship, Gunnery, Naval and Infantry Tactics, &c.*  
 Lieut. Com'r RICHARD W. MEADE..... *Assistant to Commandant of Midshipmen, and Senior Instructor in Seamanship and Naval Tactics.*  
 Lieut. Com'r FREDERIC V. MCNAIR.... }  
 Lieut. Com'r RODERICK S. MCCOOK ... } *Assistants to Commandant of Midshipmen, and Assistant Instructors in Seamanship and Naval Tactics.*  
 Lieut. Com'r MERRILL MILLER..... }  
 Lieut. Com'r EDMUND O. MATTHEWS... *Assistant to Commandant of Midshipmen, and Senior Instructor in Naval Gunnery, Infantry Tactics, and Howitzer Drill.*  
 Lieut. Com'r GEORGE C. REMEY..... }  
 Lieut. Com'r THEODORE F. KANE..... } *Assistants to the Commandant of Midshipmen, and Assistant Instructors in Naval Gunnery, Infantry Tactics, and Howitzer Drill.*  
 Lieut. Com'r SIMEON P. GILLETT..... }  
 Lieut. Com'r THOMAS O. SELFRIDGE... *Assistant to Commandant of Midshipmen, and Senior Assistant in Executive Duty.*  
 Lieut. Com'r CHARLES L. FRANKLIN. }  
 Lieut. Com'r SILAS CASEY..... } *Assistants to Commandant of Midshipmen, in Executive Duty.*  
 Lieut. Com'r GEORGE DEWEY..... *Assistant to Commandant of Midshipmen, in Executive Duty, and in charge of the School Ship Constitution.*  
 WILLIAM H. WILLCOX, Professor..... *Head of Department of Mathematics.*  
 JOHN A. HOWELL, Lieut. Com'r..... }  
 SAMUEL D. GREENE, Lieut. Com'r... } *Acting Assistant Professors of Mathematics.*  
 ALEX. H. MCCORMICK, Lieut. Com'r... }  
 HENRY L. JOHNSON, Lieut. Com'r..... }  
 JOHN M. RICE..... }  
 WILLIAM W. JOHNSON..... } *Assistant Professors of Mathematics.*  
 CHARLES F. JOHNSON..... }  
 THOMAS WILLIAMSON, Chief Engineer.. *Head of Department of Steam Engineering.*  
 LOUIS J. ALLEN, 1st Ass't Eng'r..... }  
 THOMAS M. DUKEHART, 1st Ass't Eng'r }  
 HENRY C. MCLVAINE, 1st Ass't Eng'r.. }  
 JOHN D. VAN BUREN, 1st Ass't Eng'r... }  
 WILLIAM H. G. WEST, 1st Ass't Eng'r.. } *Assistant Instructors in the Department of Steam Engineering*  
 GEORGE J. BURNAP, 1st Ass't Eng'r.... }  
 JOHN T. HAWKINS, 1st Ass't Eng'r..... }  
 THOMAS W. RAE, 2d Ass't Eng'r..... }  
 BENJ. C. GOWLING, 2d Ass't Eng'r..... }  
 GEORGE R. HOLT, 2d Ass't Eng'r..... }  
 THEODORE COOPER, 2d Ass't Eng'r... }  
 ROBERT L. PHYTHIAN, Lieut. Com'r... *Head of Department of Astronomy, Navigation, and Surveying.*  
 NORMAN H. FARQUHAR, Lieut. Com'r. }  
 JAMES O'KANE, Lieut. Com'r..... } *Acting Assistant Professors of Astronomy, Navigation, and Surveying.*  
 GEORGE P. RYAN, Lieut. Com'r..... }  
 CHARLES J. WHITE..... *Assistant Professor of Astronomy, Navigation, and Surveying.*  
 HENRY H. LOCKWOOD, Professor..... *Head of Department of Natural and Experimental Philosophy.*  
 FRANCIS B. BLAKE, Lieut. Com'r..... }  
 WILLIAM T. SAMPSON, Lieut. Com'r... } *Acting Assistant Professors of Natural and Experimental Philosophy.*  
 R. H. THURSTON, 1st Ass't Eng'r..... }  
 JOHN W. LANGLEY..... *Assistant Professor of Natural and Experimental Philosophy.*  
 JOHN S. BARNES, Lieut. Com'r..... *Head of Department of Ethics and English Studies.*  
 BARTLETT J. CROMWELL, Lieut. Com'r. *Acting Ass't Professor of Ethics and English Studies.*

THOMAS KARNEY.....	}	<i>Assistant Professors of Ethics and English Studies.</i>
HARRY S. MACKINTOSH.....		
WILLIAM W. FAY.....		
JOSEPH E. DICKSON.....		
ROBBINS LITTLE.....		
JOHN J. ARCHER.....	}	<i>Head of Department of French.</i>
HERBERT C. BULLARD.....		
LEOPOLD V. DOVILLIERS, Professor.....	}	<i>Assistant Professors of French.</i>
ALPHONSE V. S. COURCELLE.....		
LUCIEN F. PRUD'HOMME.....		
EUGENE DOVILLIERS.....		
JULES LEROUX.....		
BERNARD MAURICE.....	}	<i>Head of Department of Spanish.</i>
EDMUND A. ROGET, Professor.....		
EDWARD P. LULL, Lieut. Com'r.....	}	<i>Acting Assistant Professors of Spanish.</i>
WINFIELD S. SHCLEY, Lieut. Com'r..		
PEDRO MONTALDO.....	}	<i>Assistant Professor of Spanish.</i>
MONTGOMERY SICARD, Lieut. Com'r....		
HENRY HITCHINGS.....	}	<i>Head of Department of Drawing.</i>
PETER BAUMGRAS.....		
MARSHAL OLIVER.....		
ANTOINE J. CORBESIER.....		
THEODORE MAURICE.....	}	<i>Assistant Professors of Drawing.</i>
ADOLPHE AUBRY.....		
ANTOINE J. CORBESIER.....		<i>Sword Master.</i>
THEODORE MAURICE.....		<i>Assistant Sword Master.</i>
ADOLPHE AUBRY.....		<i>Assistant Sword Master.</i>

## OFFICERS NOT ATTACHED TO THE ACADEMIC STAFF.

Commander ROBERT F. R. LEWIS.....	<i>In charge of Grounds, &amp;c.</i>
Lieut. Com'r BUSHROD B. TAYLOR.....	<i>In charge of Ships, &amp;c.</i>
Captain McLANE TILTON, U. S. M. C.....	<i>Commanding Marine Guard.</i>
DAVID HARLAN.....	<i>Surgeon.</i>
JOSEPH G. AYERS.....	<i>Assistant Surgeon.</i>
JOSEPH B. PARKER.....	<i>Assistant Surgeon.</i>
EDWARD C. THATCHER.....	<i>Assistant Surgeon.</i>
JOHN S. GULICK.....	<i>Paymaster.</i>
GILBERT E. THORNTON.....	<i>Paymaster, (Storekeeper.)</i>
DONALD McLAREN.....	<i>Chaplain to the Ships.</i>
GEORGE W. SMITH.....	<i>Chaplain to the Academy.</i>
RICHARD SWANN.....	<i>Commissary.</i>
CHARLES G. BATCHELLER.....	<i>Assistant Librarian.</i>
RICHARD M. CHASE.....	<i>Secretary of the Academy.</i>
JAMES P. MARRON.....	<i>First Clerk to Superintendent of Academy.</i>
OWEN D. ROBB.....	<i>Second " " " "</i>
JAMES TILTON.....	<i>Third " " " "</i>
NICHOLAS B. WILLETTTS.....	<i>Gunner to the Academy.</i>
JOHN SOUTHWICK.....	<i>Carpenter to the Academy.</i>



**MIDSHIPMEN**

**ON PROBATION AT THE NAVAL ACADEMY,**

**ARRANGED**

**IN ORDER OF MERIT IN THEIR RESPECTIVE CLASSES,**

**AS DETERMINED AT THE**

**GENERAL EXAMINATION IN JUNE, 1867;**

**TOGETHER WITH**

**THE MIDSHIPMEN ADMITTED IN JUNE AND SEPTEMBER, 1867, FORMING  
THE FOURTH CLASS OF 1867-'68.**





**NOTES.**

Midshipmen whose names are marked thus \* are the five most distinguished in their respective classes.

Those marked thus † were found deficient, but were allowed to continue in their classes on condition of passing at a re-examination.

Those marked thus ‡ were found deficient, and turned back to recommence the studies of their respective classes.

Those marked thus § were found deficient, and recommended for discharge.

MIDSHIPMEN ON PROBATION AT THE NAVAL ACADEMY.

First Class—Graduating Class of 1867—87 Members.

#

Order of general merit.	NAME.	STATE.	DATE OF ADMISSION.	ORDER OF MERIT IN—																
				Age at date of admission.		Seamanship.	Naval Tactics.	Gunnery.	Fencing.	Steam Engineering.	Navigation.	Physics.	Law.	French.	Spanish.	Number of Demerits.	Conduct.	Number on general merit roll.		
				Years.	Months.													Months.	Days.	
*1	Benjamin F. Tilley.....	R. I.....	Sep. 22, 1863	15	6	14	6	16	31	14	2	4	9	..	2	106	15	5	5	19
*2	Harry Knox.....	Ohio.....	Mar. 2, 1865	14	8	7	8	2	1	52	9	1	1	13	..	14	56	4	1	19
*3	Frederick Collins.....	Maine.....	July 22, 1863	16	3	2	5	5	4	41	2	12	8	1	..	20	110	17	4	19
*4	Sidney A. Simons.....	N. Y.....	Sep. 22, 1863	16	11	3	1	2	15	10	5	1	4	..	20	82	11	3	19	
*5	Joseph L. Stickney.....	Illinois.....	Sep. 25, 1862	14	2	11	3	5	7	7	4	7	3	..	4	70	7	2	28	
6	William B. H. Frailey.....	Son of off.	July 22, 1863	15	0	9	11	10	9	14	6	5	2	..	4	144	33	6	19	
7	William M. Paul.....	Mass.....	Sep. 22, 1863	17	1	8	26	3	46	5	20	15	17	..	20	98	14	7	19	
8	Cornelius R. Meeker.....	Wis.....	Sep. 29, 1863	15	6	10	4	14	67	14	9	9	8	..	4	176	45	8	19	
9	Lewis D. Webster.....	Illinois.....	Sep. 25, 1863	16	3	5	12	13	34	3	25	6	18	..	30	146	35	9	19	
10	Charles P. Shaw.....	Va.....	Sep. 25, 1863	14	4	6	7	9	24	1	22	3	14	..	9	231	50	5	19	
11	Clifford H. West.....	N. Y.....	Sep. 21, 1863	16	10	21	63	6	85	8	18	28	10	..	7	128	25	13	19	
12	John P. Merrill.....	Mich.....	July 20, 1863	16	11	15	23	19	46	5	7	12	16	..	15	196	49	5	19	
13	Joseph G. Eaton.....	Mass.....	Sep. 23, 1863	16	9	23	19	8	61	3	66	10	6	..	19	117	20	16	19	
14	George H. Church.....	N. J.....	Feb. 25, 1863	16	8	58	15	53	10	18	33	22	30	..	12	92	13	21	28	
15	William S. McGunagle.....	Mo.....	Feb. 26, 1863	16	10	12	62	26	19	26	23	18	22	..	12	60	6	12	19	
16	Charles Belknap.....	N. Y.....	July 20, 1864	17	11	30	13	7	92	49	13	29	11	..	25	120	22	15	19	
17	Edward W. Henricks.....	Ind.....	Sep. 23, 1863	15	1	20	8	11	49	31	21	23	5	..	34	118	21	14	19	
18	William H. Jaques.....	N. J.....	Feb. 29, 1863	14	9	50	13	28	56	38	3	18	28	..	38	162	41	20	19	
19	Fernando P. Gilmore.....	Ohio.....	Feb. 28, 1863	15	6	55	22	68	20	13	28	13	24	..	30	294	56	35	28	
20	Henry C. Hunter.....	N. Y.....	Sep. 22, 1863	16	7	65	26	36	5	47	44	32	12	..	30	134	26	32	19	
21	George S. Davol.....	Mass.....	Feb. 26, 1863	14	5	24	33	39	16	38	19	18	58	..	34	42	2	17	28	
22	Eugene H. C. Leutze.....	D. C.....	Mar. 4, 1863	15	3	13	29	52	41	14	36	26	15	..	40	148	37	24	28	
23	Uriel Sebree.....	Mo.....	July 23, 1863	15	5	17	39	35	56	44	8	11	62	..	40	272	65	26	04	
24	Park Benjamin.....	N. Y.....	Sep. 22, 1863	14	4	29	54	23	64	31	52	43	7	..	2	285	67	29	5	
25	Albert R. Couden.....	Utah.....	Sep. 26, 1863	16	11	38	41	42	80	21	11	14	34	..	44	496	87	43	5	
26	George J. Mitchell.....	La.....	Sep. 28, 1863	16	3	22	43	18	23	11	38	35	23	6	..	160	38	18	5	
27	John T. Sullivan.....	N. Y.....	Oct. 8, 1862	16	6	34	40	38	36	31	32	55	52	..	47	146	35	30	19	
28	Frederic A. Howes.....	N. Y.....	Sep. 22, 1863	16	11	36	16	31	83	71	1	55	26	..	27	46	3	22	5	
29	Edwin C. Pendleton.....	Son of off.	Oct. 12, 1863	16	4	25	74	30	32	11	10	25	86	9	..	192	48	25	5	
30	George G. Clay.....	Mich.....	July 22, 1863	17	0	41	34	17	4	26	42	40	84	11	..	262	63	39	5	
31	Willie Swift.....	Conn.....	Sep. 23, 1863	15	6	27	49	21	41	55	24	18	35	..	38	108	16	19	5	
32	Henry B. Mansfield.....	Mass.....	Feb. 27, 1863	16	11	4	9	22	68	26	68	60	51	31	..	58	2	33	29	
33	Frederic G. Hyde.....	Conn.....	Sep. 21, 1863	16	4	81	73	83	28	61	15	35	64	..	15	34	1	28	5	
34	Robert E. Carmody.....	N. Y.....	Sep. 29, 1860	15	8	1	71	29	56	71	59	39	68	..	15	170	43	33	12	
35	George M. Williams.....	N. Y.....	Feb. 25, 1863	16	6	52	41	51	51	44	14	23	31	9	..	144	33	31	5	
36	Eugene D. Heald.....	Maine.....	Sep. 29, 1863	16	0	26	52	37	78	29	29	49	59	..	37	328	71	37	5	
37	Frederick M. Symonds.....	N. Y.....	Sep. 25, 1862	16	4	46	65	55	81	49	27	51	80	..	46	140	31	40	29	
38	Jonathan M. Wainwright.....	Son of off.	July 29, 1863	14	6	39	23	43	11	31	40	43	43	..	36	161	40	28	5	
39	Charles W. Christopher.....	Ohio.....	Feb. 24, 1863	15	4	32	69	50	2	59	34	46	54	25	..	25	190	47	38	28
40	John W. Hagenman.....	Penn.....	July 21, 1863	16	9	54	79	72	24	22	17	46	41	7	..	243	61	51	5	
41	Edward P. Wood.....	Ohio.....	Sep. 29, 1863	15	1	19	19	19	72	23	16	30	53	4	..	333	72	27	5	
42	Walton Goodwin.....	Maine.....	Feb. 26, 1863	16	10	85	38	47	64	38	45	65	33	30	..	112	18	53	29	
43	Edwin S. Jacob.....	Va.....	Oct. 14, 1862	17	1	45	70	56	11	29	50	49	60	12	..	136	29	41	19	
44	Albert Ross.....	Penn.....	July 23, 1863	16	6	35	26	25	61	47	51	37	55	18	..	120	22	34	19	
45	Arthur A. Boyd.....	N. Y.....	Oct. 11, 1862	15	0	60	36	24	85	24	60	40	25	4	..	338	73	55	8	
46	Richard W. Miller.....	N. J.....	Sep. 29, 1863	16	4	42	21	38	49	41	67	64	72	2	..	183	46	47	5	
47	Richardson Clover.....	Mo.....	July 29, 1863	17	0	70	71	27	56	55	69	55	39	..	48	74	9	48	5	
48	Edward W. Bridge.....	No. Y.....	Sep. 21, 1863	16	4	69	65	60	32	60	47	67	73	..	42	80	10	54	5	
49	James M. Miller.....	Mo.....	Sep. 21, 1863	16	4	74	57	48	32	41	53	33	46	..	27	232	59	52	6	
50	William Little.....	Penn.....	Sep. 29, 1863	16	5	79	17	66	85	41	70	72	19	9	..	114	19	46	5	
51	John F. Meigs.....	Penn.....	Oct. 4, 1862	14	0	18	10	33	30	86	39	26	63	7	..	320	69	42	28	
52	Frederic M. Wise.....	Md.....	Sep. 23, 1862	17	5	57	78	32	37	77	73	85	50	..	8	221	55	58	19	
53	William D. Nicholson.....	N. Y.....	Oct. 3, 1862	15	9	60	59	34	28	30	78	81	71	..	33	212	53	56	9	
54	John V. B. Bleecker.....	Son of off.	Oct. 9, 1863	16	2	63	32	70	71	74	49	37	22	..	9	215	54	50	5	
55	Charles E. Brown.....	Mass.....	July 23, 1863	16	6	77	68	64	68	55	37	40	21	..	1	426	83	67	5	
56	Andrew Dunlap.....	N. Y.....	Apr. 23, 1862	17	6	56	43	69	52	69	75	62	74	14	..	70	7	59	14	
57	Richard Rush.....	Penn.....	Sep. 29, 1863	15	7	47	58	40	61	31	58	48	40	..	49	206	5	44	5	
58	Frank W. Nichols.....	Mass.....	Sep. 24, 1862	14	9	37	46	41	78	81	26	65	49	..	17	474	85	69	19	
59	Edward H. Gheen.....	Penn.....	Sep. 24, 1862	16	9	72	83	46	32	49	55	59	70	21	..	160	38	63	29	
60	Wells L. Field.....	N. Y.....	Nov. 20, 1862	16	10	68	56	44	52	24	63	17	78	12	..	134	26	49	29	
61	Patrick T. Cunningham.....	Illinois.....	Sep. 24, 1863	14	11	78	48	15	14	18	72	15	27	14	..	383	77	61	5	
62	Horace E. Jones.....	Ind.....	Sep. 25, 1863	17	0	28	18	61	41	55	61	51	61	22	..	164	42	45	5	

1866

First Class—Continued.

NAME.	STATE.	DATE OF ADMISSION.	ORDER OF MERIT IN—																	Sea service in Practice Ship.	
			Age at date of admission.		Seamanship.	Naval Tactics.	Gunnery.	Fencing.	Steam Enginry.	Navigation.	Physics.	Law.	French.	Spanish.	Number of Demerits.	Conduct.	Number on general merit roll.	Months.	Days.		
			Years.	Months.																	
ard P. McClellan.....	N. Y.....	Sep. 24, 1863	16	3	71	80	65	76	61	48	51	65	..	..	42	198	50	64	19		
vitt C. Logan.....	Ohio.....	Feb. 28, 1863	17	1	52	84	82	38	61	62	54	81	31	..	..	90	12	60	29		
erick H. Paine.....	N. Y.....	July 25, 1863	14	9	47	29	73	46	86	41	31	62	33	..	..	401	79	74	29		
way H. Arnold.....	Son of off.	Sep. 29, 1863	14	10	33	34	71	23	21	64	78	45	..	..	..	494	86	66	19		
ard W. Sturdy.....	Maine.....	Feb. 25, 1863	15	0	49	55	63	73	66	76	74	20	..	..	..	421	82	77	19		
ard W. Very.....	Wash. T.	Feb. 20, 1863	15	6	64	31	56	7	81	79	62	77	20	..	..	380	74	76	19		
ilton Perkins.....	N. H.....	Sep. 23, 1863	16	2	31	45	45	74	36	54	69	66	26	..	..	380	76	62	19		
liam S. Cowles.....	Conn.....	July 21, 1863	17	0	43	49	79	40	66	56	74	67	..	..	..	446	84	80	19		
eric W. Greenleaf.....	Minn.....	July 29, 1863	16	3	80	67	84	53	70	43	67	29	16	..	..	124	24	65	19		
n G. Paul.....	Penn.....	Sep. 22, 1862	15	11	76	59	80	17	44	82	34	70	18	..	..	134	26	68	19		
ed Craven.....	N. Y.....	July 23, 1863	16	10	66	23	59	11	80	71	86	85	29	..	..	202	51	73	19		
ard W. Remy.....	Iowa.....	Sep. 26, 1862	15	4	51	75	86	74	85	46	73	36	3	..	..	379	75	76	19		
es M. Grimes.....	Illinois.....	July 25, 1863	15	8	75	47	67	64	61	30	76	37	27	..	..	136	29	57	19		
es W. Cowie.....	Iowa.....	Feb. 25, 1863	14	11	67	51	74	76	66	81	43	57	1	..	..	418	81	83	19		
hew Bolles.....	Mass.....	July 30, 1863	15	11	82	52	49	21	37	83	69	48	22	..	..	230	57	71	19		
ard D. Taussig.....	Mo.....	July 23, 1863	15	8	83	77	82	18	74	77	80	42	..	..	..	324	70	82	19		
r E. Pillsbury.....	At large.	Sep. 22, 1862	15	9	62	21	76	24	14	80	60	82	35	..	..	236	60	70	19		
mus Dennison.....	Ohio.....	Sep. 26, 1863	16	9	72	86	87	1	61	85	79	44	..	..	..	140	31	72	19		
ed Foré.....	Ky.....	Apr. 17, 1862	15	8	86	59	75	81	77	74	55	83	28	..	..	250	62	84	9		
liam H. Reeder.....	Iowa.....	Sep. 20, 1862	14	1	44	81	81	55	71	35	71	47	24	..	..	408	80	75	9		
rcis H. Delano.....	Ohio.....	Sep. 22, 1863	15	5	59	36	54	38	81	84	83	56	24	..	..	268	64	79	5		
ry C. English.....	Illinois.....	Sep. 29, 1862	16	10	39	76	77	68	84	65	76	76	34	..	..	400	78	85	9		
iel Delehanty.....	N. Y.....	Sep. 24, 1862	17	1	87	87	78	56	52	57	63	38	20	..	..	304	68	81	9		
rison G. O. Colby.....	Mass.....	Nov. 22, 1862	16	10	16	85	20	6	54	def.	84	75	..	..	..	175	44	..	9		
rles O. Allibone.....	N. J.....	July 23, 1863	16	11	84	63	85	41	79	86	87	def.	..	..	..	281	66	..	5		



Second Class—83 Members—1867.

Order of general merit.	NAME.	STATE.	DATE OF ADMISSION.	Age at date of admission.		ORDER OF MERIT IN—													Ses service in Practice Ship.	
				Years.	Months.	Seamanship.	Naval Architecture.	Gunnery.	Infantry Tactics.	Fencing.	Mathematics.	Steam Engineering.	Astronomy, &c.	Mechanics.	French.	Number of Demerits.	Conduct.	Months.	Days.	
*1	Charles C. Cornwell....	Neb. T.	Sep. 20, 1864	16	9	3	5	3	2	19	6	5	3	6	7	50	12	21		
*2	Duncan Kennedy.....	N. Y....	July 20, 1864	16	7	1	2	2	2	13	11	14	9	25	74	19	19			
*3	Adolphus Marx.....	Iowa....	Sep. 26, 1864	16	4	2	32	6	3	5	1	3	4	1	6	250	68			
*4	Robert M. G. Brown....	Va.....	July 22, 1864	16	7	14	12	5	4	3	4	8	2	58	40	7	21			
*5	Royal R. Ingersoll....	Mich...	July 23, 1864	16	7	6	22	16	19	26	11	8	5	21	133	40	21			
*6	Jefferson F. Moser....	Penn...	Sep. 29, 1864	16	4	5	22	4	7	19	20	32	9	11	25	26	5			
*7	Hobart L. Tremain....	S. C....	Sep. 26, 1864	17	4	7	6	7	12	18	13	7	37	33	24	82	22			
*8	Charles A. Stone.....	Penn...	July 27, 1864	17	1	19	55	11	29	43	2	16	11	5	16	186	56			
*9	Robert M. Thompson...	Penn...	July 30, 1864	15	5	13	1	10	16	50	5	2	17	3	41	200	60			
*10	Raymond P. Rodgers...	S. off..	July 25, 1864	14	7	4	3	17	5	40	16	26	22	20	13	166	50			
*11	Robert T. Jasper.....	N. Y....	July 21, 1864	17	7	31	22	48	42	34	3	18	15	9	17	73	18			
*12	Richard C. Derby.....	Ida. T..	Sep. 20, 1864	17	5	39	11	57	8	62	15	11	20	8	2	98	30			
*13	Seaton Schroeder....	S. C....	Sep. 27, 1864	15	1	18	51	23	43	24	23	17	29	13	1	148	46			
*14	James D. J. Kelley....	At'rgre	Oct. 5, 1864	16	9	9	38	22	18	56	35	10	10	53	10	104	34			
*15	Huntington Smith....	Ind....	Feb. 26, 1863	15	11	39	48	9	41	26	24	6	7	21	43	120	36			
*16	Ambrose B. Wyckoff..	Illinois.	Sep. 29, 1864	16	5	23	40	28	17	71	4	15	6	16	64	48	11			
*17	Samuel R. Crumbaugh.	Ky.....	Feb. 20, 1863	17	8	66	21	73	13	71	8	14	13	3	21	123	37			
*18	Frederic E. Upton....	Maine..	Nov. 10, 1864	16	10	56	53	18	45	74	7	27	1	14	8	204	62			
*19	Franklin J. Drakes....	N. Y....	Feb. 23, 1863	16	11	19	26	27	9	14	26	29	25	32	51	98	30			
*20	Charles W. Jarboe....	Md.....	Sep. 20, 1864	16	0	36	71	15	40	36	30	29	31	26	31	98	30			
*21	Theodorus B. M. Mason.	Fla....	Sep. 20, 1864	16	4	24	9	1	16	4	29	22	46	74	3	88	24			
*22	Charles W. Chipp....	N. Y....	July 23, 1863	14	11	29	13	46	23	15	53	40	41	14	46	42	8			
*23	Charles T. Forse.....	Ky.....	Sep. 29, 1863	17	2	31	70	21	27	45	35	30	48	33	18	87	29			
*24	William J. Barnett....	N. Y....	July 27, 1864	17	6	24	60	33	14	12	59	27	21	27	54	61	4			
*25	Alfred Elliot.....	S. C....	Sep. 23, 1864	16	4	28	35	32	37	39	63	25	33	35	34	28	6			
*26	Lambert G. Palmer....	S. off..	July 20, 1863	14	9	11	6	26	34	37	30	51	26	34	72	18	3			
*27	Nathan H. Barnes....	Illinois.	July 27, 1863	16	11	56	18	34	30	32	47	20	42	25	27	89	25			
*28	Edwin K. Moore.....	Ohio....	Oct. 1, 1864	17	2	21	28	53	23	29	52	44	16	30	53	85	23			
*29	Jesse B. Smith.....	Vt.....	July 28, 1864	17	11	69	16	45	39	48	18	34	24	12	64	15	28			
*30	Washington O. Sharrer	Md.....	Sep. 27, 1864	16	3	50	60	35	26	50	39	34	36	37	58	20	4			
*31	Jerome B. House.....	N. Y....	July 23, 1864	16	10	33	73	62	11	58	21	42	8	18	54	239	65			
*32	John C. Irvine.....	Illinois.	Sep. 26, 1864	16	6	50	39	67	31	50	22	18	66	16	64	55	13			
*33	Albion V. Wadhams....	N. Y....	Sep. 16, 1864	17	3	17	45	39	54	74	27	30	34	53	60	168	51			
*34	Herbert C. Stinson....	Maine..	Sep. 30, 1864	15	2	39	25	41	63	66	68	32	33	39	15	94	27			
*35	Webster Doty.....	Wis....	July 27, 1864	16	9	33	17	20	46	56	59	39	50	47	14	140	43			
*36	Boutelle Noyes.....	Va.....	Sep. 26, 1864	16	8	30	10	13	38	33	47	53	51	63	12	181	55			
*37	Nicholas L. Roosevelt.	N. Y....	Sep. 27, 1864	17	3	43	4	31	25	1	60	24	27	36	61	170	53			
*38	Hornace McElroy....	Wis....	Sep. 24, 1863	14	11	50	30	51	48	30	45	51	44	30	33	78	20			
*39	Thomas C. McLean....	N. Y....	Sep. 21, 1864	16	11	38	14	70	28	15	47	1	74	44	35	146	45			
*40	Hamilton M. Tallman..	N. Y....	July 27, 1863	14	0	54	83	12	15	31	9	50	53	19	39	388	77			
*41	John B. Robinson....	Penn...	July 31, 1864	16	2	61	29	77	71	25	18	56	12	38	18	192	58			
*42	Richard Wainwright..	S. off..	Sep. 28, 1864	14	9	36	35	38	72	62	10	4	18	22	69	444	78			
*43	George W. Tyler.....	La....	Oct. 3, 1864	16	11	54	14	35	52	50	52	56	35	71	11	70	17			
*44	William E. Uhler.....	Penn...	July 27, 1864	17	6	74	34	68	50	40	25	44	78	40	31	112	2			
*45	Charles P. Welch....	Mo....	Sep. 29, 1864	17	1	71	37	14	32	48	67	44	43	62	46	46	9			
*46	William Warrant....	Maine..	Sep. 28, 1863	16	9	15	79	65	22	19	64	22	67	80	37	134	42			
*47	Theodore T. Wood....	N. J....	Sep. 29, 1864	17	7	78	50	54	65	61	55	48	55	28	5	168	51			
*48	George K. Bower.....	Penn...	Sep. 26, 1864	16	5	72	49	43	62	26	34	40	70	24	46	170	53			
*49	James C. Hull.....	N. Y....	Sep. 27, 1861	14	6	27	75	25	10	37	16	66	71	51	69	248	67			
*50	Charles A. Adams....	Wis....	July 23, 1863	16	11	47	36	56	66	22	41	76	30	43	46	152	47			
*51	John M. Hawley.....	Mass...	July 23, 1863	16	11	39	58	23	50	57	74	60	81	40	46	78	20			
*52	James R. Se'fridge....	Cal....	July 21, 1864	15	0	12	22	19	36	71	76	66	62	63	77	132	40			
*53	William H. Everett....	Conn...	July 21, 1863	16	4	22	47	8	57	34	60	33	64	47	79	160	49			
*54	Andrew C. McMechan..	Neb. T.	Feb. 24, 1863	16	7	70	19	76	68	66	42	37	76	47	54	10	1			
*55	John A. Rodgers....	S. off..	July 29, 1863	15	0	33	53	40	58	13	52	64	73	45	82	66	16			
*56	Samuel Ames.....	R. I....	July 23, 1864	15	3	24	55	60	82	83	47	56	45	56	74	126	38			
*57	Theodore M. Eting....	Penn...	Nov. 25, 1862	16	6	45	42	52	76	76	35	36	69	56	21	280	71			
*58	Arthur H. Parsons....	Ohio....	July 27, 1864	16	10	29	43	61	53	47	66	60	40	67	81	92	26			
*59	James K. Cogswell....	Wis....	Sep. 23, 1863	16	0	75	32	82	49	11	38	62	38	28	4	280	71			
*60	George C. Wallace....	Ind....	July 20, 1864	16	11	77	58	30	35	65	75	77	54	59	51	46	9			
*61	George R. Adams....	N. Y....	Aug. 1, 1864	15	9	62	76	58	74	79	47	42	56	63	62	66	29			
*62	George M. Cowgill....	Del....	Sep. 29, 1863	14	11	62	77	29	61	6	83	48	62	78	9	218	64			
*63	Charles F. Norton....	Col. T.	July 22, 1863	15	10	79	68	84	51	15	28	81	77	51	27	190	57			
*64	Gottfried Bloehlinger.	Iowa....	July 21, 1863	14	9	80	55	80	60	59	72	11	68	58	77	112	35			
*65	Thomas A. De Blois....	Ga....	Sep. 21, 1863	15	8	56	31	81	78	2	81	70	82	72	4	101	33			

Second Class—Continued.

Order of general merit.	NAME.	STATE.	DATE OF ADMISSION.	Age at date of admission.		ORDER OF MERIT IN—													Sea service in Practice Ship.	
				Years.	Months.	Seamanship.	Naval Architecture.	Gunnery.	Infantry Tactics.	Fencing.	Mathematics.	Steam Engineering.	Astronomy, &c.	Mechanics.	French.	Number of Demerits.	Conduct.	Months.	Days.	
																				Months.
66	Ebenezer S. Prime.....	Ohio	Sep. 21, 1863	16	8	73	77	68	80	82	14	22	22	53	64	240	66	9	06	
67	William C. Strong.....	S. of off.	Sep. 22, 1864	16	3	45	19	63	33	68	68	56	49	46	54	346	76	21	21	
68	Perry Garst.....	Illinois.	July 25, 1863	15	0	67	44	78	21	21	42	79	63	68	70	126	38	06	06	
69	James D. Adams.....	Miss.	Sep. 27, 1864	16	5	53	63	49	70	79	77	75	39	39	39	256	63	21	21	
70	Thomas N. Lee.....	D. C.	Sep. 13, 1863	16	1	44	62	79	47	59	60	60	61	61	41	200	60	06	06	
71	James R. Fletcher.....	Tenn.	Sep. 26, 1864	16	8	47	51	44	20	68	84	53	79	77	76	156	48	21	21	
72	Francois W. Perkins.....	Conn.	Sep. 23, 1863	15	9	15	26	63	55	10	79	65	58	69	71	280	71	21	21	
73	Arthur B. Speyers.....	N. Y.	July 23, 1863	16	11	76	40	42	83	42	56	74	47	50	27	338	75	06	06	
74	Charles Seymour.....	Oregon	July 25, 1864	17	3	64	81	66	77	7	73	70	57	78	72	142	44	21	21	
75	Frederic Singer.....	Ohio	July 27, 1863	16	2	47	67	50	79	62	56	83	83	80	40	286	74	21	21	
76	Thomas H. Stevens.....	S. of off.	Sep. 23, 1863	15	2	64	65	83	64	43	64	37	60	76	20	467	79	06	06	
77	Nathan E. Niles.....	Penn.	July 28, 1864	16	7	68	68	47	73	50	68	66	72	62	68	288	70	21	21	
78	Charles A. Copp.....	Enlist'd boy.	Nov. 5, 1864	17	3	56	81	71	75	7	68	70	65	73	80	496	80	21	21	
79	Edward M. Day.....	La.	Sep. 23, 1863	15	0	60	73	72	69	45	79	79	75	59	74	532	81	9	06	
80	William H. Beechler.....	Md.	July 23, 1864	16	4	def	45	85	56	77	30	66	53	42	32	205	63	21	21	
81	James W. Carlin.....	Illinois.	July 23, 1864	16	2	8	63	37	44	9	82	73	59	def.	43	736	82	9	06	
	Charles H. M. Blake.....	Mass.	Sep. 24, 1863	15	0	def	72	86	81	78	86	53	80	def.	33	199	59	9	06	
	Dwight S. Smith.....	Mich.	July 24, 1863	14	1	81	80	75	67	68	46	44	19	47	35	958	def.	9	06	

Third Class—90 Members—1867.

Order of general merit.	NAME.	STATE.	DATE OF ADMISSION.	Age at date of admission.		ORDER OF MERIT IN—											Sea service in Practice Ship.	
				Years.	Months.	Seamanship.	Gunnery.	Fencing.	Geometry and Trigonometry.	Steam Engineering.	Rhetoric.	History U. S. and Composition.	French.	Drawlug.	Number of Damerits.	Conduct.	Months.	Days.
*1	Charles P. Perkins.....	Mass.....	July 21, 1865	17	5	15	1	31	1	17	1	1	1	1	1	1	119	35
*2	Benj. H. Buckingham.....	Ohio.....	July 22, 1865	17	5	11	1	27	2	28	2	28	2	28	2	28	158	49
*3	Henry M. M. Richards.....	Penn.....	July 21, 1865	16	11	48	5	19	2	16	2	18	2	18	2	18	216	80
*4	John B. Driggs.....	Mass.....	Sep. 30, 1865	16	6	25	3	31	3	23	3	23	3	23	3	23	175	56
*5	William W. Kimball.....	Son of off.	July 31, 1865	17	7	7	24	4	31	17	17	17	17	17	17	17	50	50
6	William P. Potter.....	N. Y.....	Sep. 27, 1865	15	4	13	24	4	20	20	20	20	20	20	20	20	52	52
7	William H. Turner.....	Ohio.....	July 22, 1865	17	6	25	37	37	37	37	37	37	37	37	37	37	175	56
8	Edward A. Field.....	Conn.....	July 22, 1865	17	10	10	11	19	19	19	19	19	19	19	19	19	175	56
9	Alex. M. Thackara.....	Penn.....	July 21, 1865	16	10	34	43	36	62	62	62	62	62	62	62	62	175	56
10	Edwin H. Wiley.....	Illinois.....	July 22, 1865	17	10	10	19	19	62	62	62	62	62	62	62	62	175	56
11	Nathaniel J. K. Patch.....	Mass.....	Sep. 21, 1865	17	4	30	30	30	30	30	30	30	30	30	30	30	175	56
12	Sumner C. Paine.....	Maine.....	Sep. 22, 1865	17	1	1	2	2	2	2	2	2	2	2	2	2	146	46
13	Giles B. Harber.....	Ohio.....	July 24, 1865	13	10	5	2	13	13	13	13	13	13	13	13	13	175	56
14	Edward J. Berwind.....	Penn.....	July 21, 1865	17	1	47	4	7	7	7	7	7	7	7	7	7	182	52
15	Fletcher S. Bassett.....	Illinois.....	Sep. 21, 1865	17	9	9	6	6	6	6	6	6	6	6	6	6	163	52
16	Charles R. Brown.....	N. H.....	Sep. 22, 1865	16	7	22	15	15	15	15	15	15	15	15	15	15	194	55
17	John Garvin.....	Ohio.....	July 22, 1865	16	9	38	32	32	32	32	32	32	32	32	32	32	119	51
18	George P. Colvocoresses.....	Son of off	Sep. 28, 1864	17	5	59	25	25	25	25	25	25	25	25	25	25	104	30
19	Kossuth Niles.....	Illinois.....	Sep. 23, 1865	17	3	37	10	10	10	10	10	10	10	10	10	10	104	30
20	Clinton K. Curtis.....	West Va.	Sep. 28, 1865	16	5	18	45	45	45	45	45	45	45	45	45	45	146	46
21	William E. B. Delahay.....	Kansas.....	July 22, 1864	17	4	21	16	16	16	16	16	16	16	16	16	16	472	62
22	Louis E. Bixler.....	Peun.....	Sep. 27, 1865	16	8	25	14	14	14	14	14	14	14	14	14	14	190	39
23	Henry O. Handy.....	Mass.....	July 25, 1865	17	4	2	23	75	48	60	31	32	52	36	38	704	30	
24	John A. Norris.....	Penn.....	Sep. 28, 1865	17	9	49	20	20	20	20	20	20	20	20	20	20	223	32
25	John C. Wilson.....	N. Y.....	July 24, 1865	16	0	33	47	17	7	28	26	27	26	32	33	72	72	
26	John Milligan.....	Ohio.....	July 21, 1863	16	9	67	50	7	7	38	28	28	28	32	33	19	40	41
27	John H. Moore.....	N. Y.....	July 31, 1865	16	5	51	38	42	32	4	35	43	41	41	41	41	144	45
28	Herbert Winslow.....	Son of off	July 21, 1865	16	10	65	66	33	46	40	25	6	12	12	12	104	30	
29	James W. Graydon.....	Iowa.....	July 22, 1865	17	6	7	17	11	37	10	61	89	65	25	26	116	36	
30	Frank C. Birney.....	Son of off	July 25, 1865	15	8	35	44	19	39	35	18	13	22	22	22	150	78	
31	Charles G. Bowman.....	Ind.....	July 29, 1865	16	9	20	40	42	27	26	16	12	22	22	22	314	47	
32	Newton E. Mason.....	Penn.....	July 24, 1865	14	9	38	12	48	9	23	53	63	63	63	63	274	73	
33	John A. H. Nickels.....	Miss.....	Oct. 8, 1864	15	9	24	13	53	30	30	64	52	27	46	46	70	19	
34	Elliott J. Arthur.....	Vt.....	Sep. 27, 1865	16	5	16	26	75	55	7	30	52	48	62	62	58	11	11
35	Karl Rohrer.....	Mo.....	July 22, 1865	17	6	64	29	78	73	52	11	9	41	17	17	58	15	15
36	Albert G. Berry.....	At large.	July 25, 1865	16	10	36	51	11	28	47	82	43	59	15	15	148	44	44
37	Halsey M. Wing.....	N. Y.....	July 26, 1865	17	8	68	31	46	36	51	57	37	71	13	13	50	6	6
38	Uriah R. Harris.....	Ind.....	July 22, 1865	15	10	58	41	71	32	29	58	43	77	23	23	210	62	62
39	George H. Tuller.....	Conn.....	July 21, 1865	17	6	38	64	41	44	17	34	41	48	31	31	58	18	18
40	Arthur P. Osborn.....	Ohio.....	July 31, 1865	17	11	23	3	53	43	65	45	61	82	22	22	346	83	83
41	Timothy D. Bolles.....	Ark.....	Oct. 1, 1864	16	11	17	21	23	21	33	45	30	48	69	69	346	83	83
42	Joseph B. Hobson.....	Iowa.....	July 25, 1865	15	2	32	28	19	11	74	51	74	56	52	52	166	51	51
43	Nelson T. Houston.....	N. Y.....	July 28, 1865	16	0	46	36	48	45	70	76	58	16	42	42	116	36	36
44	George F. Wright.....	Illinois.....	July 22, 1865	16	9	73	15	68	50	49	46	21	61	39	39	88	27	27
45	Charles A. Clarke.....	Iowa.....	July 21, 1864	15	11	61	77	58	64	43	47	41	38	45	45	80	25	25
46	Arthur P. Nazro.....	Mass.....	July 22, 1865	14	7	12	52	4	34	49	59	31	39	78	78	272	71	71
47	Edward B. Barry.....	Son of off	July 21, 1865	15	9	29	56	58	77	2	85	67	10	32	32	198	60	60
48	William H. Driggs.....	Mich.....	July 21, 1865	17	11	54	30	24	54	9	50	76	81	6	6	222	65	65
49	Dennis Mahan.....	Son of off	July 21, 1865	16	3	79	48	81	63	28	55	46	12	44	44	170	52	52
50	William P. Day.....	En'd boy	July 26, 1865	16	10	44	32	18	67	82	29	39	61	54	54	38	4	4
51	Daniel D. V. Stuart.....	N. Y.....	Sep. 23, 1863	16	0	62	53	2	10	78	44	35	27	24	24	334	81	9
52	Thomas S. Phelps.....	Son of off	July 26, 1865	16	8	74	35	11	82	29	39	61	55	33	33	54	10	10
53	Nisbet Turnbull.....	Mo.....	Sep. 29, 1864	17	2	60	79	3	71	85	19	18	2	67	67	181	55	5
54	William F. Low.....	N. H.....	July 24, 1865	16	5	69	75	86	56	21	66	47	56	21	21	138	40	40
55	Edward O. Macfarlane.....	Penn.....	Oct. 3, 1864	15	6	84	74	39	74	56	36	23	68	10	10	170	19	19
56	William F. Bulkley.....	N. Y.....	July 26, 1865	17	11	82	82	68	5	14	41	70	61	68	68	272	71	71
57	Henry C. Longnecker.....	Penn.....	July 30, 1864	16	9	75	58	25	61	43	49	47	48	40	40	192	46	46
58	William C. Negley.....	Penn.....	July 26, 1865	14	7	70	46	78	42	35	83	47	68	28	28	204	61	61
59	Chas. H. Ruschenberger.....	Sou of off	July 23, 1864	16	10	14	42	85	80	60	73	76	14	51	51	34	5	5
60	John H. C. Coffin.....	Son of off	July 22, 1865	15	8	80	49	39	29	5	80	74	66	60	60	212	63	63
61	Sidney H. May.....	N. H.....	July 28, 1864	17	2	19	39	5	75	23	62	65	79	83	83	30	5	5
62	Richard G. Davenport.....	Ga.....	Sep. 29, 1864	15	8	31	73	9	59	54	76	63	37	70	70	184	57	70
63	Emory H. Taunt.....	Penn.....	July 24, 1865	14	3	53	80	64	76	75	75	75	75	75	75	268	88	88
64	John P. Wallis.....	Md.....	July 26, 1864	15	3	45	62	56	66	66	66	66	66	66	66	72	74	74

Third Class—Continued.

Order of general merit.	NAME.	STATE.	DATE OF ADMISSION.	Age at date of admission.		ORDER OF MERIT IN—													
				Years.	Months.	ORDER OF MERIT IN—													
						Seamanship.	Gunnery.	Fencing.	Geometry and Trigonometry.	Steam Engineering.	Rhetoric.	History U. S. and Composition.	French.	Drawing.	Number of Demerits.	Conduct.	Months.	Days.	Sea service on Practice Ship.
65	Henry T. Monahan .....	Enl'd boy	July 26, 1865	16	1	54	69	31	72	35	43	39	56	51	238	69	26		
66	Alfred B. Fowler .....	Enl'd boy	Sep. 23, 1865	17	11	3	34	11	62	65	68	65	59	49	424	65	26		
67	James J. Wheeler .....	Ky. ....	Sep. 19, 1865	17	11	56	59	46	68	62	24	80	44	61	334	61	26		
68	Horace A. Blanchard .....	Mass. ....	July 26, 1865	14	0	72	67	71	58	65	65	55	52	65	151	45	26		
69	John T. Abbot .....	Wis. ....	Sep. 23, 1864	17	0	66	57	31	65	47	60	27	26	188	58	26			
70	Samuel P. Comly .....	N. J. ....	July 26, 1865	16	0	61	68	27	35	84	33	82	82	66	162	50	26		
71	Charles A. Bradbury .....	Vi. ....	July 27, 1865	16	4	52	63	58	28	17	84	56	87	64	56	11	26		
72	Richard Mitchell .....	Mass. ....	July 22, 1864	15	6	50	86	64	23	39	25	95	10	75	700	88	21		
73	Richard A. Breck .....	Mass. ....	Sep. 30, 1865	17	1	71	76	64	57	70	67	70	71	76	72	22	26		
74	Charles E. Colahan .....	Penn. ....	July 21, 1865	15	2	57	54	78	41	59	70	67	74	85	305	77	26		
75	William A. Hadden .....	Penn. ....	Sep. 28, 1865	17	2	42	72	58	48	65	69	80	73	63	324	60	26		
76	Wainwright Kellogg .....	Penn. ....	Sep. 29, 1865	16	2	63	81	31	84	60	74	89	76	43	106	33	26		
77	Henry T. Stockton .....	Penn. ....	July 22, 1865	15	11	43	65	83	69	47	77	59	74	77	223	66	26		
78	James Franklin .....	Md. ....	Sep. 26, 1865	16	9	9	33	71	83	60	81	84	84	56	298	76	26		
79	George A. Zabriskie .....	Neb. Ty.	Sep. 29, 1865	16	3	41	60	75	81	54	79	67	52	74	378	75	26		
80	Thomas Rodd .....	Enl'd boy	July 22, 1865	16	1	86	71	36	69	13	54	78	61	34	532	66	26		
81	William S. King .....	Dakota T	July 31, 1865	17	11	77	70	32	79	43	72	89	85	80	320	79	26		
82	Martin E. Hall .....	Iowa. ....	Sep. 19, 1865	17	11	78	85	58	89	88	86	56	86	59	274	73	26		
	Frederic B. Hall .....	Mich. ....	Sep. 30, 1865	15	4	27	61	49	46	39	def	83	79	71	236	68	26		
	Henry E. Muhlenberg .....	Penn. ....	Sep. 21, 1865	15	8	def	def	84	88	66	75	78	86	77	122	38	26		
	Hugo Osterhaus .....	Mo. ....	Sep. 22, 1865	14	3	def	def	84	88	60	39	def	93	22	70	722	89		
	Charles G. Fisher .....	Idaho Ty	Sep. 22, 1864	14	10	76	78	11	40	23	56	96	66	89	788	def	26		
	Edward T. Henshaw .....	Illinois..	Sep. 26, 1865	15	10	def	def	26	def	80	71	84	def	88	566	87	26		
	William Schuur .....	Penn. ....	July 29, 1865	17	9	def	def	86	87	70	87	94	def	37	124	39	26		
	Charles M. Shepherd .....	Illinois..	Dec 3, 1864	17	3	def	def	90	def	90	def	87	def	87	388	84	26		
	Horatio F. Moulton .....	N. H. ....	Sep. 21, 1864	16	8	a	a	48	78	88	75	64	36	90	156	48	21		

p Physically disqualified.

a Not examined.

Fourth Class—139 Members—1867.

Order of general merit.	NAME.	STATE.	DATE OF ADMISSION.	Age at date of admission.		ORDER OF MERIT IN—											
				Years.	Months.	Arithmetic and Algebra.											
						Grammar.	Geography.	History.	Drawing.	Number of Demerits.	Conduct.	Months.	Days.	Sea service in Practice Ship.			
*1	George L. Dyer.....	Maine.....	July 26, 1866	16	10	4	7	3	3	6	62	16	3	2	0	0	0
*2	Edward L. Shaffer.....	N. Y.....	July 27, 1866	17	2	2	1	6	1	22	134	47	4	0	0	0	0
*3	Charles Briggs.....	R. I.....	July 30, 1866	17	2	1	6	12	4	32	60	14	2	0	0	0	0
*4	Benj'n M. Shaffner.....	Illinois.....	July 31, 1866	17	8	3	3	10	10	19	98	27	17	13	13	0	0
*5	Robert G. Peck.....	Mass.....	Sep. 24, 1866	17	2	13	9	8	6	29	69	17	7	0	0	0	0
6	William G. Mayer.....	Ohio.....	July 23, 1866	15	11	10	11	8	7	52	50	8	8	0	0	0	0
7	John Hubbard.....	Arizona T'y.....	July 26, 1866	17	2	17	3	5	5	58	49	7	7	0	0	0	0
8	John W. Danenhower.....	Illinois.....	Sep. 25, 1866	16	11	20	8	7	8	25	89	21	3	0	0	0	0
9	Herman F. Fickbohn.....	Naval App'e.....	July 31, 1866	17	4	14	17	14	18	20	116	32	3	0	0	0	0
10	Joseph B. Murdock.....	Mass.....	July 26, 1866	15	5	26	1	3	2	72	157	37	3	0	0	0	0
11	Corwin P. Rees.....	Ohio.....	July 31, 1866	17	10	15	10	11	41	32	2	190	76	7	0	0	0
12	Henry Harris.....	Illinois.....	Aug. 1, 1866	16	7	5	25	17	41	42	171	65	6	0	0	0	0
13	Hawley O. Rittenhouse.....	N. J.....	July 27, 1866	15	1	6	12	69	12	36	120	36	3	0	0	0	0
14	Winfield S. Baker.....	Ind.....	July 30, 1866	17	5	9	44	34	24	34	84	20	3	13	13	0	0
15	George Kronmiller.....	Md.....	Oct. 3, 1866	16	6	31	26	1	14	79	38	4	0	0	0	0	0
16	George B. Hoyt.....	Maine.....	July 31, 1866	16	4	27	5	15	9	119	45	6	6	0	0	0	0
17	Samuel L. Graham.....	Penn.....	July 27, 1866	17	10	19	23	19	23	80	60	14	3	0	0	0	0
18	Gustavus C. Hanus.....	Wis.....	July 26, 1865	17	3	24	29	25	16	70	34	3	6	0	0	0	0
19	Henry W. Schaefer.....	Illinois.....	July 23, 1866	16	5	12	15	66	34	31	101	28	3	0	0	0	0
20	Charles P. Kunhardt.....	Penn.....	July 31, 1866	16	11	29	33	33	15	1	209	88	3	0	0	0	0
21	Boynton Leach.....	N. Y.....	July 30, 1866	16	0	18	17	27	13	57	332	116	3	0	0	0	0
22	Lewis C. Heilner.....	Penn.....	July 25, 1866	17	5	7	21	19	21	131	241	102	3	0	0	0	0
23	Harry M. Jacoby.....	Penn.....	July 27, 1866	15	11	16	52	62	50	17	59	10	3	0	0	0	0
24	Edward M. Hughes.....	At large.....	July 26, 1866	16	0	39	34	18	25	63	195	80	3	13	13	0	0
25	Ferdinand H. Gentsch.....	Ohio.....	July 23, 1865	17	4	73	35	12	22	14	101	28	3	0	0	0	0
26	George A. Calhoun.....	Naval App'e.....	July 31, 1866	17	0	44	44	41	38	3	161	59	3	0	0	0	0
27	Nathan Sargent.....	Montana T'y.....	July 23, 1866	16	8	23	16	21	51	132	216	92	3	13	13	0	0
28	Downs L. Wilson.....	At large.....	July 27, 1866	17	10	40	54	37	36	51	43	5	6	11	11	0	0
29	Willie Kilburn.....	Cal.....	Dec. 5, 1865	17	4	11	17	27	33	84	550	140	3	13	13	0	0
30	Joel A. Post.....	N. Y.....	July 23, 1866	15	6	42	59	41	40	16	120	36	3	13	13	0	0
31	John D. Keeler.....	Ind.....	July 23, 1866	16	7	43	38	27	29	101	118	34	3	0	0	0	0
32	William Remsen.....	N. Y.....	July 26, 1866	17	7	22	57	99	26	55	149	56	3	13	13	0	0
33	John R. Spears.....	Ohio.....	July 31, 1866	16	3	8	72	73	45	39	189	74	3	0	0	0	0
34	Miers F. Wright.....	Penn.....	Oct. 1, 1865	15	11	28	13	41	37	99	338	119	3	0	0	0	0
35	Lazarus L. Reamey.....	Penn.....	July 25, 1866	17	5	25	44	62	89	41	58	9	3	0	0	0	0
36	George W. Holman.....	Cal.....	July 25, 1866	17	9	21	38	76	66	54	206	87	3	0	0	0	0
37	James H. Bull.....	Penn.....	July 25, 1866	14	1	54	69	38	19	68	59	10	3	0	0	0	0
38	Whitmal P. Ray.....	Ind.....	Sep. 27, 1866	17	9	32	44	69	72	45	95	24	3	0	0	0	0
39	Freeman H. Crosby.....	N. Y.....	July 30, 1866	17	2	45	42	21	82	50	194	79	3	0	0	0	0
40	Jacob J. Hunker.....	Ohio.....	July 30, 1866	16	11	57	38	59	60	15	163	63	3	0	0	0	0
41	Hanson R. Tyler.....	Vermont.....	July 27, 1866	15	2	52	26	39	46	117	124	41	3	0	0	0	0
42	James L. Carter.....	N. Y.....	July 25, 1866	17	6	65	64	60	59	4	31	1	3	0	0	0	0
43	James M. Gore.....	Son of officer.....	July 25, 1866	16	11	80	49	2	20	87	216	92	3	0	0	0	0
44	Haile C. Nye.....	Ohio.....	July 28, 1866	15	9	55	26	41	39	93	280	111	3	0	0	0	0
45	Montgomery Wilcox.....	Dakota T'y.....	July 26, 1865	14	6	83	14	51	17	76	196	82	6	0	0	0	0
46	Charles H. Lyman.....	Ohio.....	July 28, 1866	17	3	63	56	62	30	21	297	94	3	0	0	0	0
47	Albert C. Dillingham.....	Penn.....	July 21, 1865	17	2	47	29	27	31	75	527	138	6	0	0	0	0
48	Joseph H. Uley.....	Illinois.....	Sep. 22, 1865	17	7	46	66	70	46	92	22	6	6	0	0	0	0
49	Thomas C. Spencer.....	Son of officer.....	July 24, 1866	17	4	36	70	65	47	116	94	23	3	0	0	0	0
50	Hiram Hancock.....	Penn.....	July 23, 1866	16	5	77	22	53	35	89	162	62	3	0	0	0	0
51	Henry L. Green.....	N. Y.....	July 31, 1866	17	4	58	41	53	42	53	347	121	3	0	0	0	0
52	John P. J. Agur.....	Son of officer.....	Sep. 26, 1866	14	5	66	32	24	53	112	262	106	3	0	0	0	0
53	Wisner G. Scott.....	N. Y.....	July 22, 1865	17	6	69	54	49	52	66	120	36	3	0	0	0	0
54	Landon P. Joubert.....	Ky.....	July 31, 1866	16	6	62	49	34	44	118	200	84	3	0	0	0	0
55	Clayton S. Richman.....	Iowa.....	July 24, 1865	16	5	51	92	114	48	9	144	52	3	0	0	0	0
56	Greenleaf A. Merriam.....	Mass.....	July 24, 1866	16	8	60	72	86	71	7	146	55	3	0	0	0	0
57	Charles E. Vreeland.....	Naval App'e.....	July 31, 1866	14	4	68	42	55	77	57	189	74	3	0	0	0	0
58	Francis A. Kauffman.....	Naval App'e.....	July 31, 1866	17	7	34	17	93	78	73	473	135	3	0	0	0	0
59	Marcus D. Hyde.....	Wash'n T'y.....	Nov. 25, 1865	16	6	35	92	73	74	24	342	120	3	0	0	0	0
60	William H. Van de Carr.....	N. Y.....	July 26, 1865	15	1	41	59	76	67	107	188	73	3	0	0	0	0
61	Walter S. Holliday.....	Wis.....	July 27, 1866	17	2	30	59	55	96	65	447	132	3	0	0	0	0
62	Alexander McCracken.....	Iowa.....	July 27, 1866	16	0	33	88	111	105	27	211	89	3	0	0	0	0
63	William M. Wood.....	Ind.....	July 24, 1865	15	4	76	110	41	28	35	236	97	3	0	0	0	0
64	Joseph H. Fraunces.....	Penn.....	July 26, 1866	16	9	84	24	44	85	86	240	101	3	0	0	0	0
65	Frank Ellery, Jr.....	Son of officer.....	Sep. 25, 1866	16	6	59	58	68	68	123	126	43	3	0	0	0	0

Fourth Class—139 Members—Continued.

NAME.	STATE.	DATE OF ADMISSION.	Age at date of admission.		ORDER OF MERIT IN—							Sea service in Practice Ship.	
			Years.	Months.	Arithmetic and Algebra.	Grammar.	Geography.	History.	Drawing.	Number of Demerits.	Conduct.	Months.	Days.
W. Mentz.....	N. J.....	Sep. 26, 1866	16	2	53	49	86	103	81	195	80		05
T. Pennington.....	Del.....	Oct. 1, 1866	17	2	52	66	118	88	111	145	54	3	05
H. Richmond.....	Conn.....	Sep. 27, 1865	16	8	78	84	27	84	61	198	83	6	07
Donald.....	Ohio.....	July 24, 1866	17	5	46	77	106	65	96	169	64	3	05
I. Sawyers.....	Ky.....	Sep. 24, 1866	17	5	25	75	27	62	103	131	45	5	05
S. French.....	Maine.....	July 27, 1866	14	7	64	59	103	102	38	174	67	3	05
P. Conway.....	Ky.....	Oct. 1, 1866	17	2	75	92	49	87	40	213	91	3	02
Collins.....	La.....	July 30, 1866	16	6	50	81	80	55	104	377	110	3	05
Ludlow.....	N. Y.....	July 24, 1866	16	1	71	63	86	93	30	313	115	3	05
P. Emmerich.....	D. C.....	Sep. 26, 1866	17	2	81	99	80	76	28	161	59	3	05
Williams.....	N. Y.....	July 30, 1866	17	7	61	74	111	92	97	120	36	3	02
I. Kirkpatrick.....	Ind.....	Sep. 22, 1866	17	2	87	96	51	60	90	132	46	3	02
Winslow.....	Son of officer.	July 22, 1865	14	1	56	88	58	49	114	458	130	6	07
S. Richardson.....	Mass.....	July 30, 1866	16	9	79	52	90	75	130	144	52	3	02
Miliman.....	Naval App'te.	July 31, 1866	17	7	91	98	80	86	49	119	35	3	02
Porter.....	Son of officer.	Sep. 23, 1865	16	10	94	101	115	95	5	126	6	07	07
Milton.....	Ky.....	July 30, 1866	17	9	72	81	128	81	113	140	52	3	05
Norton.....	Conn.....	July 26, 1866	15	10	73	75	115	43	102	442	131	3	05
C. Dimock.....	Naval App'te.	July 31, 1866	16	8	88	77	121	99	48	263	107	2	05
G. C. Salter.....	Naval App'te.	Sep. 24, 1866	15	8	92	84	98	98	85	186	71	3	05
H. Brahe.....	Arizona T'y.	July 25, 1866	15	11	86	107	103	61	110	267	108	3	05
D. Clark.....	Son of officer.	Sep. 24, 1866	16	5	a	a	a	a	8	211	89	0	00
Lyon.....	Mo.....	Sep. 25, 1866	16	11	def.	29	26	90	12	96	25	0	00
N. Seymour.....	N. Y.....	July 24, 1866	16	1	a	a	136	a	135	190	76	3	02
Arnold.....	Ky.....	Aug. 1, 1866	15	11	def.	def.	73	91	95	116	32	3	05
C. Barnett.....	Mich.....	July 23, 1866	16	6	def.	96	109	56	10	460	134	3	02
P. Clason.....	R. I.....	July 27, 1866	16	9	def.	37	10	27	11	349	122	3	03
A. Esmond.....	N. Y.....	July 26, 1866	17	11	82	101	121	def.	100	228	95	3	02
A. Foster.....	Minn.....	Aug. 1, 1866	16	6	def.	77	21	def.	139	146	52	3	02
Frazier.....	Son of officer.	July 27, 1866	17	0	def.	105	102	def.	78	115	31	3	02
Freeman.....	Illinois.....	Oct. 4, 1866	17	3	49	35	128	def.	67	83	19	3	05
D. Galloway.....	Md.....	Sep. 22, 1866	16	1	def.	70	86	97	108	111	30	3	05
ton L. Gosling.....	Tenn.....	Sep. 25, 1866	15	3	def.	48	97	54	105	241	102	3	05
Heiskell.....	Md.....	Sep. 26, 1866	15	9	70	99	125	def.	115	448	133	3	05
E. Keyes.....	N. H.....	Sep. 29, 1866	17	1	67	def.	80	def.	18	72	18	3	05
H. Lefavor.....	Ohio.....	July 27, 1866	17	7	def.	81	76	def.	33	191	78	3	05
Little.....	Cal.....	Sep. 24, 1866	17	3	def.	def.	79	def.	120	181	70	3	02
S. Long.....	Son of officer.	July 25, 1866	15	6	def.	107	136	def.	134	123	40	3	02
H. E. Masser.....	Penn.....	Oct. 1, 1866	17	3	37	def.	113	83	23	137	49	3	05
deCrea.....	Ind.....	July 24, 1866	14	8	def.	84	93	def.	137	286	112	3	05
B. Norton.....	Illinois.....	July 30, 1866	17	4	def.	def.	def.	def.	109	59	10	3	02
S. Schwenk.....	Colorado T'y.	Sep. 22, 1866	16	4	def.	def.	def.	def.	136	33	2	3	02
L. Selden.....	Conn.....	July 27, 1866	17	10	89	77	125	def.	122	488	136	3	02
E. Talbott.....	R. I.....	July 26, 1866	14	10	def.	105	60	def.	125	238	99	3	13
Tillinghast.....	Naval App'te.	July 31, 1866	16	5	def.	66	119	63	83	125	42	3	05
Veazie.....	Mass.....	July 23, 1866	15	8	def.	def.	69	64	98	174	67	3	05
Whipple.....	Son of officer.	Sep. 25, 1866	16	2	def.	109	98	79	92	138	44	3	02
C. Wood.....	N. Y.....	July 30, 1866	16	2	def.	101	34	57	59	201	85	3	05
s L. Ashley.....	Nevada.....	Sep. 24, 1866	14	6	def.	def.	def.	def.	128	422	128	0	00
ery Backus.....	Mich.....	July 25, 1866	17	11	def.	65	15	11	26	160	58	0	00
Barnes.....	Ky.....	July 28, 1866	16	8	def.	112	141	def.	127	234	96	0	00
L. Bussford.....	Naval App'te.	July 31, 1866	17	0	def.	58	142	101	121	306	114	0	00
I. Belcher.....	At large	July 31, 1866	16	2	def.	def.	123	def.	56	380	125	0	00
M. Berryman.....	D. C.....	Nov. 22, 1865	16	5	def.	84	121	def.	129	172	66	2	24
W. Breuen.....	N. Y.....	July 28, 1866	14	2	def.	def.	123	def.	64	504	137	0	00
Buskirk.....	Ohio.....	Sep. 25, 1865	15	3	def.	104	93	104	60	174	67	2	24
B. W. Darley.....	Penn.....	Sep. 27, 1866	17	1	def.	def.	109	def.	126	302	113	0	00
S. Eycleshimer.....	Wis.....	Oct. 1, 1866	15	5	def.	def.	115	def.	47	397	126	0	00
Field.....	Illinois.....	Aug. 1, 1866	17	10	def.	113	55	93	43	238	99	0	00
Foster, jr.....	N. Y.....	July 31, 1866	15	8	def.	def.	80	def.	91	203	86	0	00
Hargons.....	N. Y.....	Aug. 1, 1866	16	5	def.	def.	103	80	69	538	139	0	00
Howe.....	At large	July 28, 1865	16	5	def.	def.	98	107	62	236	97	2	24
Jordan.....	Iowa.....	Oct. 2, 1866	17	5	93	def.	135	def.	124	259	104	0	00
s G. Miller.....	N. Y.....	July 26, 1866	15	9	def.	def.	130	106	106	187	72	0	00
W. Morgan.....	N. J.....	Sep. 22, 1865	17	4	def.	91	106	58	82	686	141	2	24

Fourth Class—139 Members—Continued.

Order of general merit.	NAME.	STATE.	DATE OF ADMISSION.	ORDER OF MERIT IN—															
				Age at date of admission.		Arithmetic and Algebra.												Sea service in Practice Ship.	
				Years.	Months.	Arithmetic and Algebra.	Grammar.	Geography.	History.	Drawing.	Number of Demerits.	Conduct.	Months.	Days.					
	William H. Oxley.....	Miss.....	July 31, 1866	17	1	def.	def.	80	108	13	161	59	0	00					
	Howard Platt.....	Ohio.....	Oct. 1, 1866	16	4	def.	def.	125	def.	44	415	127	0	00					
	Edward R. Root.....	Mich.....	Sep. 26, 1865	14	5	def.	def.	98	def.	140	96	25	2	24					
	Negley Rudd.....	Ind.....	Sep. 28, 1865	15	11	90	92	119	def.	def.	356	123	2	24					
	George A. Sanderson.....	Ohio.....	Sep. 26, 1866	15	4	def.	110	39	def.	133	59	10	0	00					
	Frank Scott.....	Penn.....	Sep. 24, 1866	17	0	def.	def.	131	def.	74	427	129	0	00					
	George M. Stump.....	Md.....	July 27, 1866	16	5	def.	def.	134	def.	138	324	117	0	00					
	Albert F. Vedder.....	N. Y.....	Aug. 2, 1866	17	11	def.	def.	90	100	94	273	109	0	00					
	Charles P. Warden.....	West Va.....	Sep. 27, 1866	16	6	def.	def.	90	def.	71	368	124	0	00					

|| Re-examined October 4, 1867, and transferred to next lower class.

SUMMARY.

Academic Year 1866 and 1867—concluded June 10, 1867.

First, or Graduating Class.....	87 members.
Second Class.....	83 members.
Third Class.....	90 members.
Fourth Class.....	139 members.
Total.....	<u>399 members.</u>

tical list of Midshipmen, sixty-eight (68) in number, admitted in July and September, forming the Fourth Class of 1867-'68.

Name.	State.	Date of admission.	AGE AT DATE OF ADMISSION.	
			Years.	Months.
J. Anderton.....	New York.....	Sep. 24, 1867	16	11
1 C. Babcock.....	Kansas.....	Sep. 23, 1867	14	0
7 T. Babcock.....	New York.....	June 26, 1867	17	4
2. Baker.....	Iowa.....	Sep. 25, 1867	16	9
Barber.....	Wisconsin.....	June 20, 1867	17	4
H. Barroll.....	Missouri.....	Sep. 27, 1867	17	4
W. Bartlett.....	Massachusetts.....	June 20, 1867	16	10
W. Brown.....	Naval Apprentice.....	June 20, 1867	17	5
E. Brown.....	Maine.....	Sep. 26, 1867	17	10
cher Bruns.....	New York.....	June 28, 1867	15	0
h C. Burnett.....	Indiana.....	Sep. 20, 1867	16	2
Busbee.....	At large.....	Sep. 20, 1867	17	7
3. Calkins.....	Ohio.....	June 20, 1867	17	3
1 D. Carnahan.....	Pennsylvania.....	June 20, 1867	16	9
2. Clark.....	At large.....	June 25, 1867	16	6
so H. Cobb.....	Michigan.....	Sep. 21, 1867	17	5
W. Cory.....	Illinois.....	June 21, 1867	16	10
A. Crandall.....	Minnesota.....	June 29, 1867	17	3
2. Cresap.....	Ohio.....	June 22, 1867	17	6
I. Dabney.....	Kentucky.....	Sep. 30, 1867	17	7
C. Denny.....	Naval Apprentice.....	June 20, 1867	16	1
ownes.....	At large.....	June 20, 1867	15	4
Edson.....	At large.....	June 25, 1867	17	4
3. Elliot.....	At large.....	Sep. 25, 1867	16	0
ne H. Ford.....	Michigan.....	June 20, 1867	17	11
ox.....	Indiana.....	June 27, 1867	16	10
3. Graham.....	New Jersey.....	Sep. 20, 1867	14	11
E. Greene.....	Indiana.....	Sep. 24, 1867	14	2
1 L. Greene.....	Ohio.....	June 25, 1867	16	10
uertin.....	Wisconsin.....	June 28, 1867	17	6
1 Gwynn.....	Ohio.....	Sep. 23, 1867	15	0
M. Harper.....	Ohio.....	Sep. 20, 1867	17	8
W. Heistand.....	Ohio.....	June 28, 1867	17	2
Hotchkiss.....	New York.....	June 27, 1867	14	3
u. Hunsicker.....	Pennsylvania.....	June 24, 1867	16	3
M. Irwin.....	Ohio.....	June 28, 1867	17	7
J. Jenkins.....	Maryland.....	Sep. 20, 1867	17	6
F. Livingston.....	Naval Apprentice.....	June 20, 1867	17	5
3. Lytle.....	Pennsylvania.....	June 20, 1867	17	2
2. McIntosh.....	Indiana.....	June 27, 1867	15	5
A. Marshall.....	Pennsylvania.....	June 26, 1867	17	8
ertz.....	Wisconsin.....	June 26, 1867	16	3
3. Montgomery.....	Naval Apprentice.....	June 20, 1867	17	3
7. Nabor.....	Ohio.....	Sep. 20, 1867	17	7
T. B. O'Reilly.....	At large.....	June 20, 1867	15	5
uckney.....	Naval Apprentice.....	June 20, 1867	17	2
S. Plunket.....	At large.....	June 20, 1867	17	3
F. Qualtrough.....	New York.....	Sep. 20, 1867	16	10
Roller.....	Naval Apprentice.....	June 20, 1867	15	8
Sawyer.....	Massachusetts.....	Sep. 20, 1867	16	0
cott.....	Iowa.....	June 28, 1867	15	10
Seabury.....	Naval Apprentice.....	June 20, 1867	17	6
E. Sewell.....	New York.....	Sep. 25, 1867	15	10
Singer.....	At large.....	Sep. 26, 1867	15	7
A. Sizer.....	Illinois.....	June 30, 1867	17	7
H. Slack.....	At large.....	Sep. 28, 1867	17	5
1. Staunton.....	West Virginia.....	Sep. 20, 1867	17	0
3. Stevens.....	New York.....	June 22, 1867	15	7
Terrell.....	Kentucky.....	Sep. 25, 1867	16	0
y Thomas.....	Pennsylvania.....	Sep. 25, 1867	17	4
3. Tittman.....	Missouri.....	Sep. 23, 1867	14	11
3. Vail.....	New York.....	Sep. 26, 1867	16	0
B. Vandervoort.....	Naval Apprentice.....	Sep. 26, 1867	17	3
Van Horn.....	Missouri.....	Sep. 20, 1867	14	1
ard.....	Pennsylvania.....	Sep. 26, 1867	15	11
S. Waring.....	Naval Apprentice.....	June 20, 1867	17	5
3. Wight.....	Michigan.....	June 29, 1867	15	10
3. Worsley.....	Naval Apprentice.....	June 20, 1867	17	2

## SUMMARY.—ACADEMIC YEAR 1867-'68, BEGUN OCTOBER 1, 1867.

88.....	81 members.
lass.....	83 members.
88.....	89 members.
ass, (appointments of 1867, and transfers from 1866.).....	96 members.
Total.....	340 members.



# CALENDAR—1867-'68.

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1867.

June 20.—Examination of candidates for admission began.....	Thursday.
July 1.—Examination of candidates concluded.....	Monday.
Sep. 20.—Examination of candidates for admission began .....	Friday.
Sep. 30.—Examination of candidates concluded.....	Monday.
Oct. 1.—Winter term began.....	Tuesday.
Nov. 28.—Thanksgiving; studies and exercises suspended.....	Thursday.
Dec. 25.—Christmas; studies and exercises suspended.....	Wednesday.

1868.

Jan. 1.—New Year; studies and exercises suspended.....	Wednesday.
Jan. 15.—Semi-annual examination begins.....	Wednesday.
Feb. 15.—Semi-annual examination and winter term ends.....	Saturday.
Feb. 17.—Summer term begins.....	Monday.
Feb. 22.—Studies and exercises suspended.....	Saturday.
May 20.—Annual examination begins.....	Wednesday.
June 10.—Annual examination and summer term ends.....	Wednesday.

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## PRACTICE CRUISE.

1868-'69.

June 20.—Examination of candidates for admission begins.....	Saturday.
June 30.—Examination of candidates for admission ends.....	Tuesday.
Sep. 21.—Examination of candidates for admission begins.....	Monday.
Sep. 30.—Examination of candidates for admission ends.....	Wednesday.
Oct. 1.—Winter term begins.....	Thursday.

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## COURSE OF INSTRUCTION.

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The studies which shall be pursued and the instruction which shall be given at the Naval Academy are comprised under the following departments and branches:

### FIRST DEPARTMENT—PRACTICAL SEAMANSHIP, NAVAL GUNNERY, AND NAVAL AND INFANTRY TACTICS.

*First branch—Practical Seamanship.*—Mode of constructing, docking and undocking vessels, and of heaving them down for examination and repair; preparations for, and stowage of, mast, water, provisions, ammunition, sails, and other stores; getting on board and fitting place masts, yards, rigging, sails, armament, boats, and all other articles of equipment, and arrangements for removing the same when a ship is to be dismantled; berthing the crew, and stationing the ship's company for various duties in working ship; unmooring ship; getting under way; anchoring and mooring; mode of using springs in the different cases to which they may be advantageously applied; keeping a ship from fouling her anchor; clearing hawse; practical use of the lead and of the helm; steering, tacking, wearing; making and shortening sail in different kinds of weather, and in different situations; backing and luffing in a tideway; warping; heaving to and preserving relative position with other vessels when lying-to; chasing to windward and to leeward; closing with other vessels soonest, or avoiding them for the greatest length of time; toying one or more vessels, under all circumstances of weather, when towing is practicable; management of vessels and boats to save men who have fallen overboard, or to rescue persons from vessels at sea, when the sea is rough and dangerous; boarding vessels at sea; examination of ship's papers; landing in a heavy surf; steering and provisioning from an open beach; management of a vessel on her beam ends; heaving to, when one or more masts are lost in a gale or in action; and when rudder is lost, or in danger from leaks in a gale at sea, or in imminent danger of soon foundering, or on fire at sea or in port; rules for avoiding collisions; rules of the road, and lights to be carried by vessels, as established by act of Congress.

*Second branch—Theory and Practice of Gunnery—Practical Naval Gunnery.*—The nomenclature of different parts of ship's guns, and of the different carriages which are used in the service; and also the several uses, and the names of all articles belonging to or used with guns and carriages in action; component parts of gunpowder and mode of manufacture, and different means by which its strength and other qualities are or may be ascertained; mode of inspecting and proving guns, shot and shells, for their reception from the makers; windage; manner of loading, fuzing, and boxing shells, and of unloading them; testing quality and regulating length of fuzes; arrangement of ship's magazines, shell and shot rooms; dimensions of cartridge-bags, and mode of making them; weight of charges of powder for different calibres and distances; manner of fitting and using locks and tangent and dispart sights; necessity for guarding powder, shells, fuzes, and all articles of which gunpowder forms a part, from moisture as well as from fire; preparation of a ship for action; stations and duties of men at guns of different calibres, in the different divisions, when preparing for quarters in action; exercise of the guns, and all the duties of those stationed at them in action; modes of ascertaining distances from vessels and other objects at sea; advantages of direct and of oblique firing under different circumstances; ranges of different projectiles from different calibres and classes of guns; different modes of taking guns on board and sending them from vessels; of mounting and dismounting and transporting them; shifting carriages, breechings, and trucks; securing guns in heavy gales; managing and securing a gun that has got loose from breeching and tackles; means of gaining greater safe elevation and depression than carriages ordinarily afford; injurious effects of double shooting upon the recoil and safety of a gun, and upon the projectiles, as to the accuracy of their direction, and the extent of

their range and penetration; arrangements for boarding and repelling boarders; different calls and signals used in action.

Furthermore, the use of boat and field guns; their nomenclature, weight, calibres, character, and construction, including the carriages with which they are used for boat and shore service; preparation of boats for their use; exercise when used in boats and when on shore; embarking them in boats from vessels; equipment for service against merchantmen, boats, or for shore service; mode of landing, and embarking from the shore; construction and preparation, for immediate use, of the shrapnell and other shells, and of grape, and the regulation of the length of fuzes; adaptation of the different kinds of projectile for service, according to distance, cover, and the character of the objects of attack; returning armament and equipments to the vessel, and disposition to be made of them on so doing.

*Theory of Gunnery.*—Review of laws of motion, of projectiles in vacuo, and in the atmosphere; initial, remaining, and final velocities, and the methods of determining their values; the effects on them by variations of charge, windage, and weight of projectiles; forces of deviation, arising from the motion of rotation and eccentricity of projectiles, from inclination of the axis of the trunnions, and from other causes; examination of the several systems or modes of pointing; tangent sights, and determination of their values; penetration and shock of projectiles, when used against wood, earth, or stone, and with direct and ricochet fire; recoil, and how affected by preponderance, and position of trunnions in relation to axis of the gun.

*Third branch—Naval Tactics.*—The different orders of steaming and sailing fleets, divisions and squadrons, to be observed for battle, and for other purposes; modes of forming such orders; of changing from one order to another; of reforming orders when disturbed by changes of wind; of interchanging and changing the position of different squadrons or divisions forming parts of a fleet; advantages of the different prescribed orders for general or special service; the leading objects to be kept in view in the arrangement of vessels of different strength or force for lines of battle, and in determining upon the manner of making or receiving an attack at sea and at anchor; examination of the best accounts of fleet actions; consideration of the advantages or defects of the plans of attack and defence, and of the execution of the details by the commanders of fleets, divisions, squadrons, and vessels; mode of communication by signals, embracing the naval code, the army code, and the commercial code.

*Fourth branch—Infantry Tactics.*—Organization and formation of squad, company, and battalion; facing and wheeling; marching in line and by flank, and filing; manual of small arms; firing; charging; forming column in mass at half and at full distance, and reforming into line; extension and closing of column; column of route; reducing and increasing front; passage of defiles; advancing and retreating by flank, centre, and in line; passage of obstacles; changes of front; forming and reducing square; exercise as skirmishers.

*Fifth branch—Naval Artillery.*—School of the piece and school of the battery.

*Sixth branch—The Art of Defence.*—Fencing, small and broad sword; boxing and swimming.

*Seventh branch—Naval Construction.*—Elements of naval architecture.

#### SECOND DEPARTMENT—MATHEMATICS.

*First branch—A Review of Arithmetic.*—The principles and practice of operations in whole numbers and in vulgar and decimal fractions; proportions; computation of percentage and interest; involution and evolution of numbers.

*Algebra.*—Fundamental operations; reduction and solution of equations of the first and second degrees; reduction and transformation of fractional and surd quantities; proportions and progressions; summation of series; nature and construction of logarithms.

*Second branch—Geometry.*—Plane and solid.

*Third branch—Trigonometry.*—Analytical investigation of trigonometrical formulas, and their application to the solution of all the cases in plane and spherical trigonometry; the construction and use of trigonometrical tables.

*Fourth branch.*—Application of Algebra and Trigonometry to the mensuration of planes and solids.

*Fifth branch—Descriptive Geometry.*—(The graphic illustration and solution of problems in solid geometry, and the application of this method, particularly to the projections of the sphere.

*Sixth branch—Analytical Geometry.*—Construction of algebraic expressions; solution of determinate problems; equations of the right line, plane and conic sections; [discussion of the general equations of the second degree, involving two or three variables; determination of loci; principal problems relating to the cylinder, cone, sphere, and spheroids.]

*Seventh branch—[Differential and Integral Calculus.]*—Its principles and its application to maxima and minima, and the simpler problems relating to curves.]

#### THIRD DEPARTMENT—STEAM ENGINERY.

*First branch—Mechanical Drawing.*—Application of right-line drawing and descriptive geometry to the making of drawings of marine steam machinery after construction.

*Second branch—Heat.*—Application of heat to steam, and the operation and conservation of marine engines and boilers.

*Third branch—Steam.*—Physical properties of water; method of generating steam; boiling points of fresh and sea water; measure of steam by atmospheres and mercurial column; steam distinguished from other elastic fluids; pressure, density, and temperature of steam; superheated steam; forms of instruments used to determine temperature and pressure of steam.

*Fourth branch—Marine Boilers.*—General description of marine boilers, their peculiarities, details of construction, advantages and disadvantages of each type, methods of operating; appurtenances and instruments used in connection with marine boilers to determine their efficiency; means used for their proper care and preservation; economy of fuel and prevention of smoke.

*Fifth branch—Marine Engines.*—General description of marine steam engines now in use—condensing and non-condensing; elementary parts of the steam engine; engines used for marine propulsion in the navy—advantages and disadvantages of each; detail parts of a marine engine, their use and conservation; different types of paddle wheels and screw propellers; comparative efficiency of each for naval purposes; method of hoisting and coupling the screw and paddle wheel—radial and feathering; duties to steam machinery when at sea and in port; repairing damages during and after an action; precautions against fire and spontaneous combustion, bad weather and probability of an engagement; routine duties of the fire and engine rooms when under steam; coal bunkers and coaling ship; hints regarding selection of coal in foreign stations.

*Sixth branch—Practical Exercises.*—Practical exercises; operating marine engines and boilers under steam; use of indicator and interpretation of its diagrams; practical observation of the methods of adjustment, and means used to insure the safety and preservation of marine machinery.

*Seventh branch—Chemistry.*—The practical application of chemistry to the combustion of fuel; corrosion of the metals; analysis of different kinds of fuel, sea water, boiler scale, lubricating matter, and illuminating oils.

This branch will be taught by lectures and experiment, when marine boilers and engines are under discussion.

#### FOURTH DEPARTMENT—ASTRONOMY, NAVIGATION, AND SURVEYING.

*First branch—Astronomy.*—Descriptive and physical astronomy; description of the solar system; figure and magnitude of the earth, its motions and consequent changes of seasons; length of day and night; trade and periodical winds; nature and effects of parallax, refraction, dip of the horizon, precession, nutation, and aberration; theory of gravitation; Kepler's laws; explanation of the apparent motions of the sun, moon, planets, and comets, and the principles upon which the determination of their orbits depends; the moon's motions and phases; general theory of the tides; theory of eclipses; general description of the stars, and their distribution in space; measures of time; equation of time.

*Second branch—Practical Astronomy.*—Including use of astronomical instruments in determining the positions of celestial objects, and terrestrial latitudes and longitudes; optical principles involved in the construction of astronomical instruments, and in the theory of astronomical refraction. [Calculation of eclipses and occultations.]

*Third branch—Navigation.*—Sailing by compass; sailing on a great circle; various methods for finding a ship's place at sea; construction and use of charts, including topographical and hydrographic drawing; principles and use of the sextant and circle of reflection, and application of the glass prism to these instruments; the artificial horizon; the azimuth compass; methods of ascertaining the deviation of the compass, produced by local attraction on ship-board; the log, and other instruments for determining a ship's rate of sailing; sounding instruments; nature and use of the Nautical Almanac; relations of time under different meridians; computation of altitudes and azimuths of celestial objects; finding, by means of altitudes and azimuths, the variations of the compass; finding the latitude by meridian observations of the sun, moon, planets, and stars; by observations near the meridian, by single altitudes at a given time, and by two altitudes of the same or different objects; finding the longitude by the chronometer; by lunar distances and by altitudes of the moon; Sumner's method of finding a line of position, and determining the ship's place by two such lines; rating a chronometer on shore by single altitudes, and by equal altitudes; and finding its error at sea by a series of lunar observations. Theory of the various problems of navigation and nautical astronomy, and the application of spherical trigonometry to their solution; [consideration of the true figure of the earth, and the corrections in nautical problems depending upon it.]

*Fourth branch—Surveying.*—Its principles and practice; measurement of heights and distances; levelling; trigonometrical surveying; hydrographical surveying; direct measurement of a base line; measurement by sound; running lines of soundings; reduction for tides; survey of a harbor or river; fixing the position of shoals, etc.; running survey of a coast; [geodetic corrections in extended surveys;] application of astronomical observations for azimuth, latitude, and longitude.

#### FIFTH DEPARTMENT—NATURAL AND EXPERIMENTAL PHILOSOPHY.

*First branch—Mechanics of Solids.*—Forces and equilibrium; composition and resolution of forces; uniform and varied motion; motion of projectiles in vacuo, and in a resisting medium; centre of gravity; equilibrium of a system of bodies; motion of translation of a body or system; motion and equilibrium about an axis; central forces; falling bodies; pendulum and ballistic pendulum; laws of the planetary motions; effect of friction and adhesion, and of stiffness of cordage; mechanical powers; collision of bodies.

*Second branch—Mechanics of Liquids.*—Mechanical properties of fluids; laws of equilibrium and pressure; flotation of bodies; stability and oscillation of floating bodies; specific gravity; [motion of liquids.]

*Third branch—Mechanics of Aëriform Fluids.*—Air-pump; weight and pressure of the atmosphere; laws of pressure; density and temperature; barometer; pumps; syphon; motion of elastic fluids.

*Fourth branch—Acoustics.*—Theory of waves in general; velocity of sound in different media; [molecular displacement; interference of waves;] reflection and echo; speaking and hearing trumpets; [vibrations of strings, of columns of air, and of plates and bells; communication of vibrations.]

*Fifth branch—Optics.*—General properties of light; catoptrics; dioptrics; chromatics; vision; optical instruments; [physical optics.]

*Sixth branch—Electricity.*—Statical electricity; voltaic electricity; magnetism; electro-magnetism; thermo-electricity.

*Seventh branch—Heat.*—Conditions of heat; characteristics of heat; theories of heat, ancient and modern; sources of heat, conduction, radiation and convection; specific heat; sensible and insensible caloric; effects of heat; instruments used for the measurement of heat; thermodynamics.

*Eighth branch—Chemistry.*—Chemical physics; general principles of chemical philosophy; principal elements and their compounds, especially as illustrating combustion, corrosion, the metals, analysis of fuels, water, sea water, boiler scale, lubricating matter, and illuminating oils.

#### SIXTH DEPARTMENT—ETHICS AND ENGLISH STUDIES.

*First branch—English Grammar.*—Orthography; etymology; the analysis and synthesis of sentences; idioms; punctuation.

*Second branch—Descriptive Geography.*—Knowledge of the land and water surface; the grand divisions of the earth, and their relative situation; extent and boundaries of the several countries in each of the grand divisions; their natural productions; their commerce, manufactures and governments; their naval and military strength. The use of globes and maps.

*Third branch—Physical Geography.*—The form and motions of the earth; the seasons and climates; the distribution of land and water; mountain ranges; declivities and basins; desert and lake zones; river systems; the currents of the ocean; geographical distribution of plants and animals; influence of physical causes on man.

*Fourth branch—Outlines of History.*—Ancient and modern; in the latter, mainly that of America, England, France, and Spain, during the last three centuries; written biographical and historical exercises.

*Fifth branch—Rhetoric.*—Verbal criticism; the principles of taste, and their application; original compositions, embracing official reports.

*Sixth branch—Ethics.*—The ground of moral obligation; our relations to God, and consequent duties; personal duties; the chief relations of men to each other in society, and the duties thence arising. (To be taught by means of familiar lectures, given by the chaplain.)

*Seventh branch—Political Science.*—A review of the origin and structure of the federal government of the United States of America; its constitutional law; the acts of Congress for the better government of the navy; the law of nations generally; the rights and duties of nations in peace and in war.

#### SEVENTH DEPARTMENT—FRENCH.

Reading and writing the French language correctly; exercises in speaking it.

#### EIGHTH DEPARTMENT—SPANISH.

Reading and writing the Spanish language correctly; exercises in speaking it.

#### NINTH DEPARTMENT—DRAWING.

Right-line drawing, sketching, and perspective; topographical and chart drawing.

The foregoing studies shall be distributed into four annual courses, and the midshipmen shall be arranged in four classes, each class pursuing one of these courses.

## LETTER TO CANDIDATES.

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NAVY DEPARTMENT,  
WASHINGTON, *September 1, 1867.*

Application having been made on your behalf for admission to the United States Naval Academy, you will find, in the enclosed permit, a statement of the requisite qualifications for admission. Should you, on examination, show a fair proficiency in the branches of knowledge there indicated, and comply with the other conditions, you will be received as a Midshipman, and become thenceforward an officer of the Navy of the United States. So great is the importance of this step, not merely to yourself, but to the public, that the Secretary deems it a fit occasion to call your attention to the obligations which you assume in this new and honorable character.

You will bear in mind, then, that the Government, in receiving you into its Naval Academy, undertakes to furnish you, at the public expense, with a superior scientific and practical education, under the instruction of thoroughly accomplished teachers. This is a privilege which, in the nature of things, can fall to the lot of but a small portion of the youth of the country, and it is one which, in all probability, many of the pupils of the Academy would otherwise not enjoy. It is, however, but the smallest part of what the Government does for you. In admitting you to the Academy it secures to you an adequate provision, in a most honorable calling, for your future support, of which, while you live, nothing but incapacity or misconduct can deprive you. This great benefit, however, is not conferred on the pupils of the Naval Academy from any favoritism to them, but from great public motives. In the present state of the world, the safety and honor of a country require that a portion of the young men should be regularly educated and trained in the science and art of war. This is necessary in both arms of the service, but peculiarly so in the Navy. There are several instances in the land service of brilliant success on the part of chieftains who first entered the field in middle life; but the instances are much less frequent of distinguished naval commanders who did not commence their preparation in youth. This is the important reason for which the country has called the pupils of the Academy from their homes, and conferred upon them the above-mentioned enviable privileges.

You must therefore bear constantly in mind that these privileges, great as they are, are trusts for which the country will hold you strictly accountable. Henceforward, your time is not your own; it belongs to the public. The Government takes you into its service in your youth because your preparation for the active duties of your career cannot be safely delayed to more advanced years. So much scientific, mechanical, and practical knowledge must be acquired, that nothing short of diligent application, commenced in early life, will enable the faithful officer to obtain a thorough mastery of his profession. It is a great error to suppose that nothing is necessary to make a good officer but the physical courage required in time of action, and which is to some extent a natural gift. This of course is indispensable; but it is one only of the qualifications for the service. Beginning at the foundation, the thorough-bred naval officer must know something of ship-building, alike in wood and iron; not that he needs the knowledge of the naval architect, but he must be able to judge of the work both of construction and repair, and be competent to provide a prompt remedy for disasters at sea. He must be intimately acquainted with the rig, equipment, and handling of his vessel; must understand the navigation of the ocean by sails and steam; be familiar with the great currents of the sea and of the atmosphere; and have an accurate knowledge of the principal ports and harbors in every quarter of the globe. He must be thoroughly versed in every variety of naval armament, ordnance, and ammunition—a field of knowledge of which the limits have been greatly enlarged of late years, and in which still further advances are in rapid progress. *Thus prepared in the lower branches of his profession, he must, by experience gradually*

acquired on a small scale, and by diligent study of the lives and exploits of illustrious commanders, learn, as far as it can be learned in this way, not only how single ships are fought, but how great fleets are manœuvred and led to glorious victories.

To attain these great ends, abstract science and mechanical art furnish but the lower instruments. Moral influences must lend their all-powerful aid. Beginning with the arduous task of self-government, of which the habit must be acquired by cheerful conformity to the discipline of the Academy and the subordination of the service, the accomplished officer must earn the great art of governing others over whom he may be placed in the public service. He must learn the lesson of command in the school of obedience. A fractious and intractable pupil, if he succeed in obtaining promotion, will be nearly sure to make an arbitrary and tyrannical officer. Treated, as you will be, with parental kindness at the Academy, nothing that you will learn there is more important than the art of gaining the confidence and winning the affection of those whom you may hereafter command. The officer who acquires the good will of his men by kind words and deeds will be far more successful in enforcing the necessarily strict discipline of a man-of-war, than one who deals in rough language, oaths, and harsh treatment. It is related of a distinguished British naval officer, (Lord Collingwood,) that the most refractory seamen were transferred to his vessel from all the other ships in the fleet, not because his discipline was the most severe, but because it was at once the most gentle and the most efficacious.

The duties thus enumerated, numerous and important as they are, are not all that devolve on the naval officer. In addition to the skill appropriately belonging to his profession, it is necessary that his manners should be marked with courtesy and refinement, and that his mind should be amply stored with useful knowledge. In the service of a great naval power, he will, on foreign stations, often be called upon to appear as the representative of his Government. He will be brought into contact with the naval commanders of other countries, and sometimes with personages of the highest rank and consequence. On these occasions the good name and consideration of his country are, to some extent, in his hands. Still more, he will sometimes be obliged, with little opportunity for deliberation, and no time to consult his government, to decide important questions of the law of nations. It is evident that the most momentous consequences may flow from the degree of intelligence with which he may act on such occasions.

These are the reasons for which the country calls a selected number of her children, in the morning of their days, to enter her naval service. The common parent of all, she bestows upon them these enviable advantages in order to fit them for the various and arduous duties to which I have alluded. The young officer, accordingly, when he enters the Naval Academy, becomes the pledged servant of the country, of the whole country, bound by the strongest ties of duty and gratitude to serve her with fidelity and zeal. He is henceforward an officer, not of the State in which he was born or in which he resides, but of the United States of America. He may have been born at the East or the West, the North or the South, but his allegiance is due to the Union—to the Government which has educated him, which has commissioned him, and which he has solemnly sworn to defend. Wheresoever the voice of duty or lawful authority may call him, there he will cheerfully hasten to sustain the honor of his country's flag, to protect her lawful commerce, to combat her enemies. It may be his duty to risk, perhaps to sacrifice, his life, like the naval heroes who shed undying glory on the American Navy in the last generation, in open war against a legitimate foe; or to follow a piratical sea-rover, meanly fitted out by foreign cupidity for the work of devastation and plunder; or to pass weary days and nights in watching the ports of rebels in arms against their country; or to launch the terrific thunders of his broadsides on their fortresses—whatever the duty may be, it will be diligently, zealously, and heroically performed.

The character of the struggle in which the Government and loyal people of the country have been engaged gives a peculiar significance to these considerations; nor can the Secretary forbear to allude to the all-important services which were rendered by the Navy during that contest. The outbreak of the rebellion found this arm of the service on a peace establishment, its squadrons widely dispersed; some of its most important home stations situated in the seceding States, and soon seized—too often with treacherous connivance—and passed into



rebel hands. Enfeebled as the Navy was by these causes, and still further by the necessary sacrifice of vessels, to prevent them from falling into the hands of the enemy; compelled to call into the service with urgent haste a numerous fleet of vessels not constructed for warlike purposes; above all, obliged, without previous preparation, to inaugurate a novel system of armature, the Navy performed its herculean labors with an energy and success that reflect the highest credit on all belonging to it, officers and men, and which the Secretary takes great pleasure in holding up to the emulation of the young men at the Academy, who will hereafter be called upon to sustain the well-earned reputation of this branch of the service.

Especially let the young men now entering the Navy impress upon their minds, as the great lesson of the day, that of all the duties of a faithful officer, the first and foremost is that of fidelity to his flag—the sacred symbol of the Government which has trained him to its defence, and confided its honor to his keeping. Let him, as he sets his foot on the threshold of the Academy, form the firm resolve, living or dying, to be faithful to that great trust. Let him, in advance, steel his mind against the wretched sophistry under the influence of which a portion of the naval officers in the rebellious States, (but by no means all of them,) deceived and misled, against their own better impulses, by the craft of politicians, have allowed themselves to raise a parricidal arm against their country, employing the fruits of the education received at its expense, and of the experience gained in its service, in aid of an unprovoked and cruel rebellion. Before he enters on actual service, the young officer takes a solemn oath “to support, protect, and defend the Constitution of the United States against all enemies, whether domestic or foreign;” and the Secretary would earnestly impress upon the young men, on their admission to the Naval Academy, that no human power can absolve them from that obligation. The madness of the hour may cause a misguided man to forget that he has called his God so to deal with him as he shall keep or break his oath, but the time will come, even in this world, when the sin of perjury will lie heavy on his soul.

But the Secretary is confident that no one of the young gentlemen now entering the Naval Academy, or already there, will ever incur the foul reproach of betraying the flag of the Union. They will uphold it on every sea and on every shore, by every effort and at every hazard, in the storm of the elements or the storm of battle. They will live for it and fight for it; if need be, they will bleed for it. While it floats they will stand by it, and, if it must sink, they will go down with it, rather than disgrace or betray it.

The Secretary forbears to enter into any particular statements as to the studies, exercises, and discipline of the Academy. The intelligent officer charged with the Superintendence of the Institution, and who possesses the entire confidence of the Department, aided by his able and efficient associates, will, from time to time, call your attention to the various details of duty; and the Secretary confidently trusts that, under their guidance, you will, by the faithful improvement of your great opportunities, prepare yourself for eminent usefulness and high honor in the service of the country.

GIDEON WELLES,  
*Secretary of the Navy.*

# REGULATIONS

## GOVERNING THE

### ADMISSION OF CANDIDATES INTO THE NAVAL ACADEMY.

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I. The number of midshipmen allowed at the Academy is one for every member and delegate of the House of Representatives, one for the District of Columbia, ten appointed annually at large, and ten selected each year from boys enlisted in the navy who have been at least one year in the service on board a naval vessel.

II. The nomination of candidates for admission from the District of Columbia, from the enlisted boys, and at large, is made by the President. The nomination of a candidate from any Congressional district or Territory is made on the recommendation of the member or delegate, from actual residents of his district or Territory.

III. Each year, as soon after the fifth of March as possible, members and delegates will be notified, in writing, of vacancies that may exist in their districts. If such members or delegates neglect to recommend candidates by the first of July in that year, the Secretary of the Navy is required by law to fill the vacancies existing in districts actually represented in Congress.

IV. The nomination of candidates is made annually, between the fifth of March and the first of July. Candidates who are nominated in time to enable them to reach the Academy between the twentieth and thirtieth of June, will receive permission to present themselves at that time to the Superintendent of the Naval Academy for examination as to their qualifications for admission. Those who are nominated prior to July 1st, but not in time to attend the June examination, will be examined between the twentieth and thirtieth of September following; and should any candidate fail to report, or be found physically or mentally disqualified for admission in June, the member or delegate from whose district he was nominated will be notified to recommend another candidate, who shall be examined between the twentieth and thirtieth of September following.

V. No candidate will be admitted into the naval academy unless he shall have passed a satisfactory examination before the Academic Board, and is found (in the opinion of a medical board, to be composed of the Surgeon of the Naval Academy and two other medical officers designated by the Secretary of the Navy) physically sound, well formed, and of robust constitution, and qualified to endure the arduous labors of an officer in the navy.

VI. Candidates for appointment as midshipmen must be between fourteen and eighteen years of age when examined for admission. All candidates for admission will be required to certify, *on honor*, to their precise age, to the Academic Board, previous to examination, and one will be examined who are over or under the prescribed age. They must be of good moral character, satisfactory testimonials of which, from persons of good repute in the neighborhood of their respective residences, must be presented; and testimonials from clergymen, instructors in colleges and high schools, will have special weight. They must also pass a satisfactory examination before the Academic Board in reading, writing, spelling, arithmetic, geography, and English grammar, viz: in *reading*, they must read clearly and intelligibly from any English narrative work—as, for example, Bancroft's History of the United States; in *writing* and *spelling*, they must write from dictation, in a legible hand, and spell with correctness both orally and in writing; in *arithmetic*, they will be examined in numeration and the addition, subtraction, multiplication, and division of whole numbers and

vulgar and decimal fractions, and in proportion, or the rule of three; in *geography*, they will be examined as to the leading grand divisions—the continents, oceans, and seas, the chief mountains and rivers, and the boundaries and population of the chief nations, their government, capitals, and chief cities; in *English grammar*, they will be examined as to the parts of speech and the elementary construction of sentences, and will be required to write an original paragraph of a few sentences. The Board will judge whether the proficiency of the candidate in these branches is sufficient to qualify him to enter upon the studies of the Academy.

VII. Any one of the following conditions will be sufficient to reject a candidate:

Feeble constitution; permanently impaired general health; decided cachexia; all chronic diseases, or results of injuries that would permanently impair efficiency, viz:

1. Infectious disorders.
2. Weak or disordered intellect.
3. Unnatural curvature of spine.
4. Epilepsy, or other convulsion, within five years.
5. Chronic impaired vision, or chronic disease of the organs of vision.
6. Great permanent hardness of hearing, or chronic disease of the ears.
7. Loss or decay of teeth to such an extent as to interfere with digestion and impair health.
8. Impediment of speech to such an extent as to impair efficiency in the performance of duty.
9. Decided indications of liability to pulmonary disease.
10. Permanent inefficiency of either of the extremities.
11. Hernia.
12. Incurable sarcocele, hydrocele, fistula, stricture, or hæmorrhoids.
13. Large varicose veins of lower limbs. Chronic ulcers.
14. Attention will also be paid to the stature of the candidate; and no one *manifestly* undersized for his age will be received into the Academy. In case of doubt about the physical condition of the candidate, any marked deviation from the usual standard of height will add materially to the consideration for rejection.

NOTE.—The Medical Board of 1864 adopted the following standard for the height of candidates: 14 years of age, 4 feet 10 inches; 15 years, 5 feet; 16 years, 5 feet 2 inches; 17 years, 5 feet 3 inches; 18 years, (nearly,) 5 feet 4 inches; the candidates to be of proportionate size, especially with regard to cerebral, osseous, and muscular development; the youngest to weigh not less than 100 pounds, and the oldest not less than 120 pounds.

15. The Board will exercise a proper discretion in the application of the above conditions to each case; rejecting no candidate who is likely to be efficient in the service, and admitting no one who is likely to prove physically inefficient.

VIII. If both these examinations result favorably, the candidate will receive an appointment as midshipmen, become an inmate of the Academy, and be allowed his actual and necessary traveling expenses from his residence to the Naval Academy, and be required to sign articles by which he will bind himself to serve in the United States Navy eight years, (including his term of probation at the Naval Academy,) unless sooner discharged. If, on the contrary, he shall not pass both of these examinations, he will receive neither an appointment nor his traveling expenses, nor can he by law have the privilege of another examination for admission to the same class unless recommended by the board of examiners.

IX. When candidates shall have passed the required examinations, and been admitted as members of the Academy, they must immediately furnish themselves with the following articles, viz:

Two navy blue uniform suits;  
One fatigue suit;  
Two navy blue uniform caps;  
One uniform over-coat;  
Six white shirts;  
Six pair of socks;  
*Four pair of drawers;*

Six pocket handkerchiefs;  
One black silk handkerchief or stock;  
One mattress;  
One pillow;  
One pair of blankets;  
One bed cover, or spread;  
Two pair of sheets;

low cases;  
 els;  
 ir of shoes or boots;  
 r-brush;  
 th-brush;

One clothes-brush;  
 One coarse comb for the hair;  
 One fine comb for the hair;  
 One tumbler, or mug; and  
 One thread and needle case.

ates will jointly procure, for their common use, one looking-glass, one wash-basin, pail, one slop bucket, and one broom. These articles may be obtained from the r of the Academy, of good quality and at fair prices.

h midshipman must, on admission, deposit with the paymaster the sum of one hun- rs, for which he will be credited on the books of that officer, to be expended by of the Superintendent for the purchase of text-books and other authorized articles ose enumerated in the preceding article.

midshipman found deficient at any examination cannot, by law, be continued at the or in the service, unless upon the recommendation of the Academic Board.

midshipman who voluntarily resigns his appointment within a year of the time of ion to the Academy will be required to refund the amount paid him for traveling

. midshipman may be advanced to any class which he may be found qualified to e upon his admission or at any subsequent examination; and he may be graduated ne examination at which he shall be found fully qualified to pass a graduating xamination.

**GIDEON WELLES,**  
*Secretary of the Navy.*

# OFFICERS AND MIDSHIPMEN

ATTACHED TO THE

PRACTICE SHIPS MACEDONIAN, SAVANNAH, AND DALE—SUMMER CRUISE, 1867.

Commander STEPHEN B. LUCE, *Commanding the Division.*

## SLOOP MACEDONIAN.

*Lieut. Commanders*—T. O. Selfridge, M. Sicard, S. D. Greene, B. J. Cromwell, A. H. McCormick, and H. L. Johnson. *Passed Assistant Surgeon*—John T. Luck. *Paymaster*—Wm. Lee Darling. *Chaplain*—George W. Smith. *Assistant Professor*—Bernard Maurice. *Boatswain*—A. M. Pomeroy. *Carpenter*—George E. Anderson. *Sailmaker*—George W. Giet.

*Midshipmen*—C. O. Allibone, C. A. Adams, G. K. Adams, J. D. Adams, W. J. Barnett, N. H. Barnes, G. Blochlinger, G. K. Bower, J. W. Carlin, E. M. Day, W. Doty, T. M. Etting, J. B. House, J. C. Hull, C. W. Jarboe, D. Kennedy, T. B. M. Mason, T. C. McLean, A. C. McMechan, N. E. Niles, C. F. Norton, B. Noyes, L. G. Palmer, A. H. Parsons, R. P. Rodgers, N. L. Roosevelt, J. A. Rodgers, J. B. Robinson, J. R. Selfridge, W. O. Sharrer, F. Singer, A. B. Speyers, C. A. Stone, F. E. Upton, R. Wainwright, W. Woart, E. B. Barry, F. S. Bassett, A. G. Berry, E. J. Berwind, F. C. Birney, L. E. Bixler, H. A. Blanchard, C. G. Bowman, J. B. Briggs, C. R. Brown, W. F. Bulkley, G. P. Colvocoresses, W. P. Day, W. H. Driggs, A. B. Fowler, J. W. Graydon, N. T. Houston, W. S. King, S. H. May, J. Milligan, J. H. Moore, A. P. Nazro, W. C. Negley, K. Niles, C. P. Perkins, T. S. Phelps, W. P. Potter, D. D. V. Stuart, A. M. Thackara, G. H. Tuller, E. H. Taunt, J. H. Bull, C. Briggs, F. H. Crosby, G. A. Calhoun, W. P. Clason, W. P. Conway, J. W. Danenhower, A. C. Dillingham, G. L. Dyer, H. F. Fickbohn, C. A. Foster, W. Frazer, J. H. Frances, F. H. Gentsch, G. C. Hanus, G. B. Hoyt, G. W. Holman, H. Hancock, H. M. Jacoby, F. A. Kauffman, H. H. Kirkpatrick, W. S. Long, B. Leach, D. S. Little, C. H. Lyman, A. McCracken, A. B. Milliman, G. A. Merriam, C. S. Richman, C. S. Richardson, G. L. Seiden, H. W. Schaefer, J. R. Spears, G. N. Seymour, M. K. Schwenk, B. C. Tillinghast, H. R. Tyler, W. H. Van de Carr, C. E. Vreeland, M. Wilcox, W. M. Wood, H. S. Williams, D. Whipple, and F. Winslow—111.

## SLOOP SAVANNAH.

*Lieut. Commanders*—B. B. Taylor, E. P. Lull, N. H. Farquhar, R. S. McCook, S. P. Gillett, G. P. Ryan. *Paymaster*—R. H. Douglass. *Assistant Surgeon*—J. G. Ayres. *Chaplain*—W. H. Stewart. *Assistant Professor*—J. Leroux. *Boatswain*—Thos. Bennett. *Sailmaker*—R. L. Tatem.

*Midshipmen*—H. G. Colby, S. Ames, W. H. Beehler, C. H. M. Blake, C. W. Chipp, J. K. Cogswell, C. C. Cornwell, M. M. Cowgill, S. R. Crumbaugh, T. A. De Blois, R. C. Derby, A. Elliott, W. H. Everett, J. R. Fletcher, C. T. Forse, P. Garst, J. M. Hawley, J. C. Irvine, J. D. J. Kelley, T. N. Lee, A. Marix, H. McElroy, E. K. Moore, J. F. Moser, F. W. Perkins, E. S. Prime, J. B. Smith, H. C. Stinson, T. H. Stevens, H. M. Tallman, R. M. Thompson, W. E. Uhler, A. V. Wadhams, C. P. Welch, and A. B. Wyckoff. C. J. Arthur, T. D. Bolles, B. H. Buckingham, C. A. Clarke, J. H. C. Coffin, C. E. Colahan, S. P. Comly, W. E. B. Delahay, W. A. Hadden, M. E. Hull, H. O. Handy, G. B. Harber, J. B. Hobson, W. Kellogg, W. W. Kimball, W. F. Low, E. O. Macfarlane, D. Mahan, N. E. Mason, H. T. Monahan, H. E. Muhlenberg, J. A. H. Nickels, J. A. Norris, H. Osterhaus, L. C. Paine, N. J. R. Patch, H. M. M. Richards, T. Rodd, K. Rohyer, H. T. Stockton, J. P. Wallis, E. H. Wiley, J. C. Wilson, H. M. Wing, P. Arnold, J. P. J. Augur, C. H. Brahe, J. L. Carter, J. B. Collins, M. C. Dimock, C. F. Emmerich, Z. T. Esmond, F. Ellery, W. S. French, J. C. Freeman, H. L. Gosling, J. M. Gore, C. D. Galloway, S. G. Graham, W. S. Holliday, J. Hubbard, J. J. Hunker, L. C. Heilner, M. D. Hyde, H. L. Heiskell, L. P. Jouett, C. E. Keyes, J. D. Keeler, G. Kronmiller, C. P. Kunhardt, F. H. Lefavor, F. L. Ludlow, G. Lyon, H. McCrea, C. McDonald, G. W. Mentz, W. G. Mayer, J. B. Milton, J. B. Murdoch, W. H. E. Masser, J. P. Norton, H. C. Nye, H. R. Penington, R. G. Peck, W. P. Ray, L. L. Reaney, C. P. Rees, H. O. Rittenhouse, T. C. Spencer, W. G. Scott, T. G. C. Salter, J. H. Sawyers, E. L. Shaffer, F. B. Veazie, D. L. Wilson, M. F. Wright, and T. C. Wood—122.

## SLOOP DALE.

*Lieut. Commanders*—R. W. Meade, E. O. Matthews, T. F. Kane, J. O'Kane, W. S. Schley, and M. Miller. *Assistant Surgeon*—J. B. Parker. *Assistant Paymaster*—J. B. Redfield. *Assistant Professor*—L. F. Prud'homme. *Boatswain*—Isaac T. Choate.

*Midshipmen*—R. M. G. Brown, C. A. Copp, F. J. Drake, R. R. Ingersoll, R. T. Jasper, S. Schroeder, C. Seymour, H. Smith, W. C. Strong, H. L. Tremain, G. W. Tyler, and T. T. Wood. J. S. Abbot, R. A. Bree, C. K. Curtis, R. G. Davenport, J. Franklin, J. Garvin, U. R. Harris, F. B. Hull, H. C. Longnecker, R. Mitchell, A. P. Osborn, C. W. Ruschenberger, N. Turnbull, J. J. Wheeler, H. Winslow, G. F. Wright, W. S. Baker, G. C. Barnette, T. Porter, H. L. Green, E. M. Hughes, W. Kilburn, J. A. Post, W. Remsen, G. H. Richmond, N. Sargent, B. M. Shaffner, E. Talbot, and J. H. Utley—41.

## OFFICERS, MIDSHIPMEN, AND CADET ENGINEERS

QUARTERED IN THE

### SCHOOL-SHIP CONSTITUTION—(*Second rate.*)

#### SCHOOL-SHIP CONSTITUTION.

Com'r GEORGE DEWEY, *in charge.*

Surgeon—Wm. H. Anderson. *Chaplain*—Donald McLaren. *Mates*—Joseph Rodgers, William Dyer, Miller, and Frederick C. Bailey.

*Boatswain*—Robert J. Anderton, Philip Arnold, William C. Babcock, Zachary T. Babcock, Asher C. Bel A. Barber, Gaspar C. Barnette, Henry H. Barroll, Charles W. Bartlett, Charles W. Brown, Julian C. Christopher Bruns, Jeremiah C. Burnett, Perrin Busbee, Carlos G. Calkins, Thomas D. Carnahan, Clark, George D. Clark, William P. Clason, Alphonso H. Cobb, George W. Cory, Albert A. James C. Cresap, Albert J. Dabney, Thomas C. Denny, John Downes, John T. Edson, William Zadok T. Esmond, Melbourne H. Ford, Levi Fox, Walter Frazer, Julius C. Freeman, Charles A. Charles D. Galloway, Harrington L. Gosling, Robert S. Graham, Francis E. Greene, Franklin L. Frank Guertin, Winfield Gwynn, William M. Harper, Henry L. Heiskell, George W. Heistand, Hotchkin, Joseph L. Hunsicker, William M. Irwin, Albert T. Jenkins, Charles E. Keyes, Lefavor, David S. Little, Walter T. Livingston, William S. Long, George Lyon, Robert F. Lytle, Crea, Horace P. McIntosh, William H. E. Masser, William A. Marshall, Albert Mertz, Joseph C. ery, Frank W. Nabor, Edward R. Norton, William T. B. O'Reilly, Nelson Pinckney, Thomas S. Edward H. Qualtrough, John E. Roller, Frank E. Sawyer, Milton K. Schwenk, Ben B. Scott, eabury, George L. Selden, George A. Sanderson, William E. Sewell, George N. Seymour, Harry William A. Siter, William H. Slack, Sidney A. Staunton, Robert D. Stevens, Emory H. Talbot, errell, Chauncey Thomas, Benj. C. Tillinghast, Eugene C. Tittman, George A. Vail, Germain B. ort, Robert C. Van Horn, Frank B. Veazie, Aaron Ward, Howard S. Waring, David Whipple, ight, Thomas C. Wood, and Dwight L. Worsley—96.

*Engineers*—George D. McCarty, and James P. Wilson—2.

#### GUNNERY-SHIP SANTEE—(*Second rate.*)

Com'r—Simeon P. Gillett. *Mates*—Lewis Burns, Robert Robinson, Frederick W. Kimball, Charles and David Fader.

Lieut. Com'r BUSHROD B. TAYLOR, *in charge of Ships.*

Captain M'LANE TILTON, *Commanding Marine Guard.*

#### MACEDONIAN—(*Second rate.*)

*Surgeon*—William Lee Darling. *Mates*—Thomas Nickerson and Lewis F. Strout. *Boatswain*—A. M. Carpenter—George E. Anderson. *Sailmaker*—George W. Giet.

#### \* SAVANNAH—(*Second rate.*)

*Surgeon*—Richard H. Douglass. *Boatswain*—Thomas Bennett. *Sailmaker*—Robert L. Tatem.

#### DALE—(*Fourth rate.*)

*Surgeon*—J. Bayard Redfield. *Mates*—William G. Smith and William F. Horton. *Boatswain*—Choate.

#### MARION—(*Fourth rate.*)

*Surgeon*—George W. Beaman. *Mates*—Robert Silver, John Donnelly, and C. J. Murphy. *Boatswain*—1.

First Assistant Engineer GEORGE J. BARRY, *in charge of machinery afloat.*

#### TONAWANDA, IRON-CLAD—(*Third rate.*)

John Quevedo and William C. Parker. *Second Assistant Engineers*—E. M. Breese and H. C.

#### MERCURY—(*Steam Tug.*)

JOHN BROWN, *in charge.* *Second Assistant Engineer*—D. W. Grafley.

#### PHLOX—(*Steam Tender.*)

ENJAMIN G. PERRY, *in charge.* *Second Assistant Engineer*—James G. Littig.

#### SCHOONER AMERICA.

#### WYANDANK—(*Fourth rate.*)

to the Navy Yard, Norfolk, Virginia, for repairs.



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ACTING THIRD ASSISTANT ENGINEERS  
ON PROBATION AT THE NAVAL ACADEMY,  
ARRANGED  
IN ORDER OF MERIT IN THEIR CLASS,  
AS DETERMINED AT THE  
GENERAL EXAMINATION IN JUNE, 1867,  
TOGETHER WITH  
THE CADET ENGINEERS ADMITTED IN OCTOBER, 1866-'67, FORMING CLASS OF 1867-'68.

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**NOTES.**

Acting Third Assistant and Cadet Engineers whose names are marked thus †, were found deficient, but were allowed to continue in their classes on condition of passing at a re-examination.

Those marked thus ‡ were found deficient, and turned back to recommence the studies of their respective classes.

Those marked thus § were found deficient, and recommended for discharge.

*Acting Third Assistant Engineers on probation at the Naval Academy, forming a class in Steam Enginry of sixteen (16) members.*

Order of general merit.	NAME.	STATE.	DATE OF ADMISSION.	Age at date of admission.		ORDER OF MERIT IN—									
				Years.	Months.	Applied Mechanics.	Steam—Theoretical.	Mechanical Drawing.	Practical Exercises.	Steam—Practical.	Chemistry.	French.	Fencing.	Average First Term.	Average Second Term.
						1	2	3	4	5	6	7	8	9	10
1	Charles D. Bray....	R. I....	Oct. 10, 1866	22	6	1	1	1	1	2	4	14	7	1	1
2	Francis N. Trevor....	N. Y....	Oct. 10, 1866	22	4	6	10	2	4	7	3	7	3	3	3
3	Herschel Main.....	D. C....	Oct. 10, 1866	21	2	4	3	2	9	13	9	9	9	2	10
4	George S. Gates.....	Mass....	Oct. 10, 1866	21	2	5	7	11	2	3	6	9	2	5	2
5	Charles W. Rae.....	N. Y....	Oct. 10, 1866	19	3	10	2	5	7	6	2	4	10	6	4
6	Holland N. Stevenson.	N. Y....	Oct. 10, 1866	22	1	8	11	4	11	10	1	13	11	4	11
7	Theron Skeel.....	N. Y....	Oct. 10, 1866	19	3	3	4	6	6	4	10	12	14	8	5
8	Charles F. Purdie....	N. Y....	Oct. 10, 1866	21	0	15	8	3	3	1	13	16	4	10	6
9	John Q. A. Ford.....	N. Y....	Oct. 10, 1866	23	9	9	5	7	5	8	14	6	16	7	9
10	Frank J. Symmes....	Mass....	Oct. 10, 1866	19	4	12	9	10	8	5	11	10	5	9	12
11	Julian S. Ogden....	N. Y....	Oct. 10, 1866	19	9	11	14	9	14	11	15	3	1	11	13
12	George H. Kearney..	N. Y....	Oct. 10, 1866	18	6	7	13	13	12	9	8	5	8	13	7
13	John B. Peck.....	R. I....	Oct. 10, 1866	21	1	2	12	16	15	15	5	1	12	14	8
14	Cyrus D. Foss.....	Mass....	Oct. 10, 1866	19	7	16	6	14	13	16	12	2	15	12	14
15	William S. Moore....	Mass....	Oct. 10, 1866	20	7	13	16	12	10	12	16	15	6	15	16
16	Jones Godfrey.....	Mass....	Oct. 10, 1866	19	2	14	15	15	16	14	7	11	13	16	15

**COURSE OF INSTRUCTION**  
FOR ENGINEER CLASS, (ACTING THIRD ASSISTANTS.)

**PROGRAMME.**

*Mechanical Drawing.*—*a*, Elements; *b*, Details and Plans of Machines.

*Physics.*—*a*, Heat; *b*, Steam.

*Chemistry.*—*a*, Chemical Philosophy; *b*, Elements; *c*, Analysis—qualitative and blow pipe; *d*, Coals, Ores, and Oils—lubricating and illuminating.

*Thermo-dynamics.*—

*Machines.*—*a*, Kinematics; *b*, Theory of Machines; *c*, Prime Movers—Hydraulic Motors, Steam Engines, Air Engines, Electro-Magnetic Motors; *d*, Construction of Machines; *e*, Location and Erection of Machines; *f*, Designs and Estimates for, and Reviews of, Special Machines.

*Construction.*—*a*, Plans and Estimates for Boiler and Machine Shops, Foundries, Smelting Works, and Rolling Mills; *b*, Plans and Estimates for Shipways and Slips.

*Management of Machinery.*—Practical Exercises with Steam Engine and Boilers.

*Iron Ship-building.*—*a*, Designing and Construction; *b*, Inspection; *c*, Launching and Repairs.

*Practical Exercises.*—Personal Manipulations of Tools used in working woods and metals.

*Cadet Engineers, four (4) in number—1867.*

NAME.	STATE.	DATE OF ADMISSION.	AGE AT DATE OF ADMISSION.	
			Years.	Months.
James Steel.....	Wisconsin.....	Oct. 7, 1867...	21	1
Charles P. Howell.....	New York.....	Oct. 7, 1867...	19	8
§ George D. McCarty.....	New York.....	Oct. 3, 1866...	17	0
§ James P. Wilson.....	Dist. Columbia..	Oct. 5, 1866...	15	11

During the Academic Year ending June, 1867, the Cadet Engineers appointed in October 1866, pursued the course of studies prescribed for the fourth (4th) class of midshipmen.

REGULATIONS  
FOR THE  
APPOINTMENT OF CADET ENGINEERS  
IN  
THE NAVY.

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I. In pursuance of the third and fourth sections of an act passed at the first session of the 38th Congress, approved July 4, 1864, "*To authorize the Secretary of the Navy to provide for the education of Naval Constructors and Steam Engineers, and for other purposes,*" and of the second section of an act passed at the first session of the 39th Congress, approved March 2, 1867, entitled "*An act to amend certain acts in relation to the Navy,*" applications will be received by the Navy Department for the appointment of Cadet Engineers.

II. The application is to be addressed to the Secretary of the Navy, and can be made by the candidate or by any person for him, and his name will be placed on the register. The registry of a name, however, gives no assurance of an appointment, and no preference will be given in the selection to priority of application.

III. The number of Cadet Engineers is limited by law to fifty. The candidate must be not less than eighteen nor more than twenty-two years of age, and his application must be accompanied by satisfactory evidence of moral character and health, with information regarding date of birth and educational advantages hitherto enjoyed. Candidates who receive permission will present themselves to the Superintendent of the Naval Academy between the 20th and 30th of September, for examination as to their qualifications for admission.

IV. The course of study will comprise two academic years. All Cadets who graduate will be immediately warranted as 3d Assistant Engineers in the Navy. The pay of a Cadet is the same as that of Midshipmen.

V. The academic examination previous to appointment will be on the following subjects, namely: *Arithmetic*; the candidate will be examined in numeration and the addition, subtraction, multiplication, and division of whole numbers, and of vulgar and decimal fractions; in reduction; in proportion, or rule of three, direct and inverse; and in involution and the extraction of square and cube roots. *Algebra*, (Bourdon;) *Geometry*, (Davies' Legendre;) *Elementary Natural Philosophy*; *Elements of Inorganic Chemistry*; *English Grammar* and *English Composition*; *History of the United States*; also, a brief outline of *Ancient and Modern History*. The candidate will also be required to exhibit a fair degree of proficiency in pencil sketching and right-line drawing, and he must be able to describe all the different parts of ordinary condensing and non-condensing engines, explain their uses and operation; also, the ordinary tools used for construction purposes.

VI. Any one of the following conditions will be sufficient to reject a candidate: Feeble constitution; permanently impaired general health; decided cachexia; all chronic diseases, or results of injuries that would permanently impair efficiency, viz:

1. Infectious disorders.
2. Weak or disordered intellect.
3. Unnatural curvature of spine.
4. Epilepsy, or other convulsion, within five years.
5. Chronic impaired vision, or chronic diseases of the organs of vision.
6. Great permanent hardness of hearing, or chronic disease of the ears.

7. Loss or decay of teeth, to such an extent as to interfere with digestion and impair health.  
 8. Impediment of speech to such an extent as to impair efficiency in the performance of duty.

9. Decided indications of liability to pulmonary disease.

10. Permanent inefficiency of either of the extremities.

11. Hernia.

12. Incurable sarcocele, hydrocele, fistula, stricture, or hæmorrhoids.

13. Large varicose veins of lower limbs. Chronic ulcers.

14. Attention will also be paid to the stature of the candidate; and no one *manifestly* undersized for his age will be received into the Academy. In case of doubt about the physical condition of the candidate, any marked deviation from the usual standard of height will add materially to the consideration for rejection.

15. The Board will exercise a proper discretion in the application of the above conditions to each case; rejecting no candidate who is likely to be efficient in the service, and admitting no one who is likely to prove physically inefficient.

VII. If both these examinations result favorably, the candidate will receive an appointment as a Cadet Engineer, become an inmate of the Academy, and be allowed his actual and necessary traveling expenses from his residence to the Naval Academy, and be required to sign articles by which he will bind himself to serve in the United States Navy six years, (including his term of probation at the Naval Academy,) unless sooner discharged. If, on the contrary, he shall not pass both of these examinations, he will receive neither an appointment nor his traveling expenses, nor can he have the privilege of another examination for admission to the same class unless recommended by the board of examiners.

VIII. When candidates shall have passed the required examinations, and been admitted as members of the Academy, they must immediately furnish themselves with the following articles, viz:

One navy blue uniform suit;  
 One fatigue suit;  
 One navy blue uniform cap;  
 One uniform overcoat;  
 Six white shirts;  
 Six pair of socks;  
 Four pair of drawers;  
 Six pocket handkerchiefs;  
 One black silk handkerchief, or stock;  
 One mattress;  
 One pillow;  
 One pair of blankets;

One bed cover, or spread;  
 Two pair of sheets;  
 Four pillow cases;  
 Six towels;  
 Two pair of shoes or boots;  
 One hair-brush;  
 One tooth-brush;  
 One clothes-brush;  
 One coarse comb for the hair;  
 One fine comb for the hair;  
 One tumbler, or mug; and  
 One thread and needle case.

Room-mates will jointly procure, for their common use, one looking-glass, one wash-basin, one water pail, one slop bucket, and one broom. These articles may be obtained from the storekeeper of the Academy, of good quality and at fair prices.

IX. Each Cadet Engineer must, on admission, deposit with the paymaster the sum of seventy-five dollars, for which he will be credited on the books of that officer, to be expended by direction of the Superintendent for the purchase of text-books and other authorized articles besides those enumerated in the preceding article.

X. While at the Academy the Cadets will be examined, from time to time, according to the regulations prescribed by the Navy Department; and if found deficient at any examination, or dismissed for misconduct, they cannot, by law, be continued in the Academy or naval service, except upon recommendation of the Academic Board.

XI. A Cadet Engineer who voluntarily resigns his appointment will be required to refund the amount paid him for traveling expenses.

GIDEON WELLES,  
*Secretary of the Navy.*

COURSE OF INSTRUCTION  
FOR  
MET ENGINEERS AT THE U. S. NAVAL ACADEMY.

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MATHEMATICAL COURSE.

FIRST YEAR—FIRST TERM.

*branch—Trigonometry.*—Analytical investigation of trigonometrical formulas, and application to the solution of all the cases in plane trigonometry; the construction and trigonometrical tables.

*d branch—Application of Algebra and Trigonometry* to the mensuration of planes and

FIRST YEAR—SECOND TERM.

*d branch—Analytical Geometry.*—Construction of algebraic expressions; solution of indeterminate problems; equations of the right-line, plane, and conic sections; (discussion of general equations of the second degree, involving two or three variables; determination of principal problems relating to the cylinder, cone, sphere, and spheroids.)

SECOND YEAR—FIRST TERM.

*the branch—(Differential and Integral Calculus.*—Its principles, and its application to maxima and minima, and simpler problems relating to curves.)

—The examination for admission will require a very thorough knowledge of Bourdon's Algebra as well as the general theory of equation; also, of Davies' Legendre and mensuration.

Those who pass a satisfactory examination for admission, and can show proficiency in the advanced studies of the Department, will be assigned corresponding positions in the

Department. Those who show a sufficient acquaintance with *all* the mathematical branches taught in this institution, will at once be excused from further instruction in this Department.

NAVAL ENGINEERING.

*Naval Drawing.*—*a*, Elements; *b*, details and plans of machines.

*Physics.*—*a*, Heat; *b*, steam.

*Chemistry.*—*a*, Chemical philosophy; *b*, elements; *c*, analysis—qualitative and blow-pipe; *d*, ores, and oils—lubricating and illuminating.

*Mechanics.*—

*Mechanics.*—*a*, Kinematics; *b*, theory of machines; *c*, prime movers—hydraulic motors, steam engines, air engines, electro-magnetic motors; *d*, construction of machines; *e*, location and location of machines; *f*, designs and estimates for, and reviews of, special machines.

*Construction.*—*a*, Plans and estimates for boiler and machine shops, foundries, smelting and rolling mills; *b*, plans and estimates for ships' ways and slips.

*Management of machinery.*—Practical exercises with steam engines and boilers.

*Ship-building.*—*a*, Designing and construction; *b*, inspection; *c*, launching and repairs. *Practical exercises.*—Personal manipulation of tools used in working woods and metals.

FRENCH.

Understanding and writing the French language correctly; exercises in speaking it.

SPANISH.

Understanding and writing the Spanish language correctly; exercises in speaking it.

NON-PROFESSIONAL PRACTICAL EXERCISES.

Understanding and gymnastics.



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