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The Commonwealth of Massachusetts

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ANNUAL REPORT

OF

THE COMMISSIONERS

OF THE

MASSACHUSETTS NAUTICAL SCHOOL

FOR THE

YEAR ENDING NOVEMBER 30, 1931

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MASSACHUSETTS NAUTICAL SCHOOL  
DEPARTMENT OF EDUCATION



# The Commonwealth of Massachusetts

## DEPARTMENT OF EDUCATION.

PAYSON SMITH, *Commissioner of Education.*

### COMMISSIONERS OF THE MASSACHUSETTS NAUTICAL SCHOOL.

14 BEACON STREET, BOSTON.

WILLIAM E. MCKAY, *Chairman.*

CLARENCE E. PERKINS.

THEODORE L. STORER.

WILLIAM H. DIMICK, *Secretary.*

## REPORT OF THE COMMISSIONERS.

*To the Commissioner of Education.*

The Commissioners of the Massachusetts Nautical School have the honor to submit their report for the year ending November 30, 1931, the fortieth annual report.

### SCHOOL CALENDAR, 1931.

Spring entrance examinations . . . . .	March 30, 31, April 1
Winter term ended . . . . .	April 7
Spring graduation . . . . .	April 7
Summer term commenced . . . . .	April 21
"Nantucket" sailed from Boston . . . . .	May 18
"Nantucket" arrived at Boston . . . . .	September 18
Autumn entrance examinations. . . . .	September 23, 24, 25
Summer term ended . . . . .	October 8
Autumn graduation. . . . .	October 8
Winter term commenced . . . . .	October 26

### THE SCHOOL AND ITS PURPOSE.

This year marks the fortieth anniversary of the establishment of the Nautical School. The act establishing the school was passed by the Legislature on June 11, 1891. The school was conducted on board the *U.S.S. Enterprise*, a vessel loaned to the State by the Navy Department, from 1891 until 1909. Since 1909 the school has been conducted on board the *U.S.S. Nantucket*.

The Massachusetts Nautical School offers instruction in navigation, seamanship, ship construction, law of the sea, marine engineering and electricity, to prepare young men for service as officers in the merchant marine. The two-year course usually includes two practise cruises in European waters, of from four to five months duration each.

Only youths of good character who will avail themselves of the instruction are admitted. Cadets will not be retained in the school unless they yield prompt and willing obedience to the rules and regulations of the school and obtain satisfactory marks in their studies. Youths who are not rugged in physique, and resolute and ambitious in spirit, or who are not willing to accept the restrictions that may accompany a seafaring life are not fitted to become nautical cadets.

Candidates for admission, who must be between the ages of seventeen and twenty years, are admitted by competitive examination. They must be of normal size, free from physical defects, residents of the State, and their parents or guardians must be citizens of the United States and residents of Massachusetts.

Applicants entering the school make a clothing deposit of \$150, a graduation deposit of \$50, and pay a tuition fee of \$50. The graduation deposit is returned upon graduation. At the beginning of the second year, there is required a clothing fund deposit of \$50 and a tuition fee of \$50.

The *Nantucket* has both steam and sail power, is barkentine rigged, and built of iron. The ship is equipped with many of the modern appliances at present used in handling ships at sea; it has a complete outfit of Navy regulation boats, including two motor launches.

A graduate of the school who has reached the age of nineteen years is eligible for examination for a marine officer's license.

A catalogue and blank applications can be obtained at the office of the Commissioners, 14 Beacon St., Boston.

#### THE WORK OF THE YEAR.

The work of the Massachusetts Nautical School shows steady progress. The number of cadets continues to be limited only by the accommodations of the schoolship. There has been an increase in the number of applicants recently. The number of graduates for the year is 57, the largest number graduated in any one year. The total number of graduates is 1,483.

The Schoolship *Nantucket* has been berthed the past year at the Navy Yard, Charlestown, to which place it was necessary to move the ship on January 24 for the annual repairs. Upon the return of the *Nantucket* from the annual practise cruise in September, it was not possible to use the usual berth at the North End Park on account of the construction work going on at that place. Through the courtesy of Rear Admiral Louis M. Nulton, U.S.N., Commandant, First Naval District, the third floor of a building at the Navy Yard has been placed at the disposal of the school.

During the annual practise cruise, the ship steamed or sailed 11,390 miles, calling at the following ports: Provincetown; Gibraltar; Palermo, Italy; Athens, Greece; Istanbul, Turkey; Milos, Greece; Malta; Algiers, Algeria; Madeira; Hamilton, Bermuda (for coal); and Orient, Long Island. The *Nantucket* left Boston on May 18 and returned to Boston on September 18. In view of the fact that a scarcity of competent men to operate square rigged sailing vessels has been a subject of public comment in recent months, it is interesting to note at this time that during the practise cruise, the *Nantucket* voyaged 2,565 miles under sail only.

Physics and Mechanical Drawing have been substituted for English in the curriculum of the school. English will be given double weight in the entrance examination.

As will be seen by the following letter from Rear Admiral Louis M. Nulton, U.S.N., dated May 27, the course of training enabled the cadets to take part in the actual work of reconstructing the Frigate *Constitution*:—

“Subject: U. S. Frigate *Constitution* — sails — manufacture of, by Massachusetts Nautical Training Ship *Nantucket*.

1. There has been brought to my attention the very fine workmanship of the *Nantucket* in the manufacture of the Main Royal, Mizzen Royal, and Mizzen Toppallant Sails of the Frigate *Constitution*. The manufacture of these sails as a voluntary contribution has saved several hundred dollars in the cost of restoration. I want the Commanding Officer and the others responsible for the execution of this difficult task to know that we are deeply grateful to them for their extraordinary efforts in behalf of the *Constitution*.”

#### GRADUATES OF THE SCHOOL IN 1931.

The following is a list of the fifty-seven graduates of 1931, the names of their home towns, and the vessels on which they are serving:

Paul J. Allman	Springfield	S.S. Kentuckian	American Hawaiian Line
Kenneth B. Balch	Springfield	S.S. President Harding	United States Lines
Thaddeus A. Banach	Holyoke	At sea	American Hawaiian Line
Anthony J. Barkowsky	Brockton	S.S. Susan V. Luckenbach	Luckenbach Line
Ralph L. Barry	Brockton	S.S. Georgian	American Hawaiian Line
William F. Bentley	Winthrop	S.S. American	American Hawaiian Line
Hilary J. Berry	Melrose	S.S. Steel Seafarer	Isthmian Line
Paul L. Berry	Malden	S.S. Kansas	American Hawaiian Line
Walter J. Bienia	New Bedford	S.S. Collingsworth	American Republics Line
Edward B. Burrage	Reading	S.S. K. I. Luckenbach	Luckenbach Line
John O. Bushey	Woburn	S.S. Pennsylvanian	American Hawaiian Line
Daniel F. Callaghan	Roslindale	S.S. President Hayes	Dollar Line
W. Evans DeW. Case	Cheshire	At sea	American Hawaiian Line
Richard J. Casilli	Roslindale	S.S. Iowan	American Hawaiian Line
Stanley W. Cederberg	Woburn	At sea	American Hawaiian Line
Alden R. Chambers	Boston		

William S. Charlton	Jamaica Plain	Pres. Roosevelt	United States Line
Bernard E. Connors	Salem	S.S. Kentuckian	American Hawaiian Line
Robert J. Connors	Prides Crossing	At sea	American Hawaiian Line
James D. Crosby	Belmont	S.S. Limon	United Fruit Co.
Joseph J. Dimock, Jr.	Longmeadow	S.S. Steel Ranger	Isthmian Line
William G. Driscoll	Belmont	S.S. Kentuckian	American Hawaiian Line
Joseph F. Fortunati, Jr.	Somerville	S.S. Panaman	American Hawaiian Line
Raymond R. Freeman, Jr.	Wellfleet	S.S. Dorothy Bradford	Boston and Provincetown Line
John E. Green, Jr.	Medford	S.S. Republic	United States Line
Arthur J. Hammer	West Roxbury	S.S. Iowan	American Hawaiian Line
Everett E. Holt	Georgetown		
Charles R. Hunter	East Boston	S.S. Limon	United Fruit Co.
Richard W. Irving	West Roxbury	S.S. Steel Seafarer	Isthmian Line
Warren E. Jarman	Haverhill	S.S. Montanan	American Hawaiian Line
Alwin C. Jones	Middleboro	S.S. Walter Luckenbach	Luckenbach Line
Paul J. Kenney	Somerville	S.S. Mayari	United Fruit Co.
Robert T. Kiely	Lynn	At sea	Isthmian Line
Herbert W. Knowlton	Arlington		
John S. Little	Melrose	S.S. Capillo	American Republics Line
Clifford G. McKeon	Hull		
Harold R. McPhee	Gloucester	S.S. Nevada	American Hawaiian Line
Joseph H. Mundy, Jr.	Revere	At sea	American Export Line
Adelbert G. Munro	Somerville	At sea	American Hawaiian Line
Nels P. Nelson	Walpole	S.S. Managua	Moore and McCormack Co.
Malburne J. Peabody	Georgetown	S.S. El Dia	Southern Pacific Co.
George F. Peck	Braintree	S.S. Ohioan	American Hawaiian Line
William R. Pendergast	Everett	At sea	United States Lines
Leroy F. Phipps	Waltham		
George W. Playdon	Reading		
Pasquale M. Polletta	Amesbury	S.S. Iowan	American Hawaiian Line
Bailey Poor	Medfield	S.S. Robert Luckenbach	Luckenbach Line
Eugene C. Raymond	Springfield	S.S. Panaman	American Hawaiian Line
John B. Regan	Bradford		
Robert L. Rowe	Worcester	S.S. American	American Hawaiian Line
Walter L. Scott	Fall River	S.S. Steel Seafarer	Isthmian Line
Robert B. Shockley	Bridgewater	S.S. Missourian	American Hawaiian Line
Philip M. Smith, Jr.	Milford	M.S. Aurora	Standard Trans. Co.
James L. Sullivan	Fall River	At sea	Isthmian Line
Stanley A. Thombs	Palmer	S.S. Kansan	American Hawaiian Line
Joseph Tuliszewski	Norwood	S.S. Arizonan	American Hawaiian Line
Gordon P. Whitney	Leominster	S.S. Porto Rico	New York and Porto Rico Line

### THE SCHOOL RECORD.

During the year there have been 191 students on the rolls of the school. They came from 84 cities and towns of the Commonwealth, as follows:

Amesbury . . . . .	1	Lexington . . . . .	1	Rockland . . . . .	3
Andover . . . . .	1	Longmeadow . . . . .	1	Salem . . . . .	6
Arlington . . . . .	4	Lynn . . . . .	3	Saugus . . . . .	1
Belmont . . . . .	4	Malden . . . . .	5	Scituate . . . . .	1
Beverly . . . . .	1	Manchester . . . . .	1	Shirley . . . . .	1
Boston . . . . .	23	Mansfield . . . . .	1	Shrewsbury . . . . .	1
Bradford . . . . .	1	Marshfield . . . . .	1	Somerville . . . . .	6
Braintree . . . . .	1	Medfield . . . . .	1	Springfield . . . . .	8
Bridgewater . . . . .	4	Medford . . . . .	5	Stoneham . . . . .	1
Brockton . . . . .	2	Melrose . . . . .	3	Three Rivers . . . . .	1
Brookline . . . . .	1	Methuen . . . . .	1	Vineyard Haven . . . . .	1
Cambridge . . . . .	2	Middleborough . . . . .	1	Wakefield . . . . .	1
Cheshire . . . . .	1	Milford . . . . .	1	Walpole . . . . .	2
Chicopee . . . . .	1	Nantasket . . . . .	1	Waltham . . . . .	3
Danvers . . . . .	1	Natick . . . . .	1	Ware . . . . .	1
Dover . . . . .	1	Needham . . . . .	1	Watertown . . . . .	5
Edgartown . . . . .	1	New Bedford . . . . .	3	Wellfleet . . . . .	1
Everett . . . . .	3	Newton . . . . .	3	Westfield . . . . .	2
Fall River . . . . .	5	North Adams . . . . .	1	Weston . . . . .	2
Framingham . . . . .	1	Northbridge . . . . .	1	West Springfield . . . . .	3
Georgetown . . . . .	2	Norwood . . . . .	1	Weymouth . . . . .	2
Gloucester . . . . .	2	Palmer . . . . .	1	Whitinsville . . . . .	1
Haverhill . . . . .	1	Pepperell . . . . .	1	Winthrop . . . . .	3
Hingham . . . . .	1	Plainville . . . . .	2	Woburn . . . . .	3
Holyoke . . . . .	4	Plymouth . . . . .	1	Worcester . . . . .	3
Hull . . . . .	2	Prides Crossing . . . . .	1	Wrentham . . . . .	1
Hyannis . . . . .	1	Quincy . . . . .	6		
Lawrence . . . . .	3	Reading . . . . .	2		
Leominster . . . . .	1	Revere . . . . .	1		191

The previous education of these students was as follows:— High schools, 165; colleges, 7; academies, 6; technical schools, 5; vocational schools, 4; preparatory schools, 3; grammar schools, 1. The average age of the cadets at entrance was 18 years, 5 months. The number of cadets enrolled in the school at present is 119, the capacity of the school.

### GRADUATION EXERCISES.

The seventy-third graduation exercises were held on board the *Nantucket* at the Navy Yard, Charlestown, on Tuesday, April 7, 1931, at 11 A.M. The program was as follows:

Invocation: Capt. Evan W. Scott, U.S.N., Chaplain, Navy Yard, Charlestown.  
Address by Presiding Officer: Capt. William E. McKay, Chairman of the Board.

Address by Rear Admiral Louis M. Nulton, U.S.N., Commandant, First Naval District.

Address by Lieut.-Governor William S. Youngman.

Address by Mr. Maurice D. Gill, a graduate of the school in the class of 1909.

Presentation of Alumni Association Prizes by Commissioner Clarence E. Perkins:

To the graduate in the Seamanship Class doing the best all round work: Cadet Walter J. Bienia, New Bedford.

To the graduate in the Engineer Class doing the best all round work: Cadet Richard W. Irving, West Roxbury.

Presentation of Maritime Association Prizes by Wilfred W. Lufkin, Collector of the Port:

To the graduate in the Seamanship Class standing highest in professional studies: Cadet William R. Pendergast, Everett.

To the graduate in the Engineer Class standing highest in professional studies: Cadet Raymond R. Freeman, Jr., Wellfleet.

Presentation of Prize awarded by the Boston Marine Society by Capt. George E. Eaton, Superintendent, 2nd Lighthouse District:

To the graduate possessing the most qualities making the best shipmaster including aptitude, prompt and cheerful obedience to his superior officers, devotion to duty, integrity, force of character, and ability to attain and maintain leadership: Cadet Walter J. Bienia, New Bedford.

Presentation of Bibles: Chaplain Scott.

Presentation of Diplomas: Mr. Frank P. Morse, Supervisor of Secondary Education, Department of Education.

The seventy-fourth graduation exercises were held on board the *Nantucket* at the Navy Yard, Charlestown, on Thursday, October 8, 1931, at 11 A.M. The program was as follows:

Invocation: Rev. Ashley Day Leavitt, D.D., Brookline.

Presiding Officer: Capt. William E. McKay, Chairman of the Board.

Address: Clarence E. Perkins, Commissioner, Massachusetts Nautical School.

Address: Rear Admiral Louis M. Nulton, U.S.N., Commandant, First Naval District.

Presentation of Alumni Association Prizes by Commissioner Perkins:

To the graduate in the Seamanship Class doing the best all round work: Cadet Stanley A. Thombs, Palmer.

To the graduate in the Engineer Class doing the best all round work: Cadet Herbert W. Knowlton, Arlington.

Presentation of Maritime Association Prizes by Capt. William E. McKay:

To the graduate in the Seamanship Class standing highest in professional studies: Cadet Stanley A. Thombs, Palmer.

To the graduate in the Engineer Class standing highest in professional studies: Cadet Malburne J. Peabody, Georgetown.

Presentation of Wood-Whitman Memorial Prize by Commissioner Theodore L. Storer:

To the graduate of the year standing highest in Seamanship and Navigation: Cadet Stanley A. Thombs, Palmer.

Presentation of Boston Marine Society Prize by Capt. George E. Eaton, Superintendent, 2nd Lighthouse District:

To the graduate possessing the most qualities making the best shipmaster including aptitude, prompt and cheerful obedience to his superior officers, devotion to duty, integrity, force of character, and ability to attain and maintain leadership: Cadet William F. Bentley, Winthrop.

Presentation of Bibles: Dr. Leavitt. (The Bibles are the gift of the Massachusetts Bible Society.)

Presentation of Diplomas: Mr. Frank W. Wright, Massachusetts Department of Education.

## DETAILED REPORT ON THE PRACTISE CRUISE.

The *Nantucket* sailed from the Navy Yard, Boston, on May 18, and arrived at Provincetown the same day. During the passage, the cadets and crew were exercised at the emergency drills and sail drill. A boat was lowered and motion pictures were made of the ship under sail, and of various drills and exercises. On May 20, the ship proceeded out into the bay to "swing ship," and the cadets were exercised at emergency, fire and abandon ship drills.

The *Nantucket* sailed from Provincetown on May 23, and arrived at Gibraltar on June 9. During the voyage — a distance of 3,197 miles — the ship proceeded as follows: under steam only 924 miles; under sail only 1,347 miles; under sail and steam 926 miles. Favorable winds were experienced until the Strait of Gibraltar was reached when there was a strong levanter from the east for about twelve hours.

The ship sailed from Gibraltar on June 15 and arrived at Palermo, Italy, on June 20. During this passage favorable weather made it possible to carry out the instruction as per schedule.

Leaving Palermo on June 25, the ship arrived at Athens on June 28. The passage was made via the Corinth Canal. Phalerum Bay afforded excellent opportunities for instruction in handling boats under oars and under sail.

Departure from Athens was made on July 2 and the ship anchored in Marathon Bay the same day. A large party of officers and cadets went ashore to visit the grave of the Athenian soldiers of Miltiades who were killed at the Battle of Marathon 490 B. C. The ship arrived at Istanbul, Turkey, on July 4.

Sailing from Istanbul on July 10, Milos was reached on July 12, where a flotilla of British destroyers were anchored. The ship sailed for Malta on July 13 arriving there on the 16th.

The *Nantucket* sailed from Valetta, Malta, on July 20, arriving at Algiers on July 24. A strong head wind and a heavy sea were encountered in the Malta Channel on account of which only 91 miles were made in 24 hours, the speed at times being reduced from 7.5 to 2.0 knots.

After a three days voyage from Algiers, the ship arrived at Gibraltar on July 31. The *Nantucket* sailed from Gibraltar on August 6, and on August 10 arrived at Funchal, Madeira. The Greek naval training ship, the *Ares*, about the size of the *Nantucket*, anchored at Funchal, on August 12. The *Ares* is a new ship, barkentine rigged, and uses fuel oil for the boilers.

On August 16, the ship sailed from Funchal, Madeira. On September 2, the *Nantucket* arrived at Hamilton, Bermuda, where it was found necessary to transfer the ship's assistant cook to the King Edward VII Hospital for treatment for an infected hand.

Sailing from Bermuda on September 3, the *Nantucket* arrived at New London, Connecticut, on September 7, where coal was taken on board; and arrived at Orient, Long Island, on the same day. During the voyage from Madeira to Orient, a distance of 3,642 miles, the ship proceeded as follows: under steam 1,024 miles; under sail 765 miles; under sail and steam 1,853 miles.

The Schoolship left Orient, Long Island, on September 17, for Boston, via the Cape Cod Canal, where she arrived on September 18.

## DISTANCES MADE GOOD DURING THE SUMMER CRUISE.

Under steam . . . . .	5,064 miles
Under sail . . . . .	2,565 miles
Under sail and steam . . . . .	3,761 miles

Total . . . . .	11,390 miles
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*Coal Consumption*

On hand and received . . . . .	767 tons
Expended . . . . .	746 tons

Remaining . . . . .	21 tons
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*Detail.*

Moving ship . . . . .	496 tons
Dynamos and auxiliaries . . . . .	197 tons
Distilling . . . . .	47 tons
Galleys . . . . .	6 tons

Total . . . . .	746 tons
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## LECTURES.

1930. WINTER TERM, 1930-31.

December 3.	Hubert W. Perry: Musical Entertainment.
December 10.	Capt. George E. Eaton. Subject: "Aids to Navigation."
1931.	
January 9.	Rev. Charles E. Park. Subject: "The Puritans of 1630."
January 23.	Capt. B. B. Wygant, U.S.N. Subject: "Destroyer Experiences in the World War."
January 30.	Prof. Robert DeC. Ward, Harvard University. Subject: "A Cruise with the International Ice Patrol."
February 13.	Mr. James O. Porter. Subject: "Salvage and Insurance."
February 19.	Lieut. Comdr. John A. Lord, U.S.N. Subject: "The Frigate <i>Constitution</i> ."

## OFFICERS AND INSTRUCTORS.

The present officers and instructors of the school are as follows:

Armistead Rust, Captain U.S.N. (retired), Superintendent of Schoolship.  
 Norman E. Merrill (graduate M.N.S.), Schoolship Executive Officer.  
 Robert M. Gray, Lieutenant, U.S.N.R. (graduate M.N.S.), Schoolship Navigator.  
 Richard T. Rounds (graduate M.N.S.), Schoolship Watch Officer.  
 Nicolai S. Sivertsen, Schoolship Watch Officer.  
 Ervin L. Kelley, Lieutenant, U.S.N.R. (graduate M.N.S.), Chief Marine Engineer.  
 Norman L. Queen (graduate M.N.S.), Assistant Marine Engineer.  
 John E. Wright, Schoolship Instructor in Mathematics.  
 Tobias Foss, Schoolship Instructor in Mechanical Drawing.  
 Robert S. Palmer, M.D., Schoolship Surgeon.  
 Charles Parker, Schoolship Paymaster.

## CADET OFFICERS OF THE MASSACHUSETTS NAUTICAL SCHOOL.

SUMMER TERM, 1931.

<i>Navigation.</i>	
Philip M. Smith, Jr. . . . .	<i>Senior Cadet Officer.</i>
Pasquale M. Polletta . . . . .	<i>Junior Cadet Officer.</i>
<i>Engineering.</i>	
Malburne J. Peabody . . . . .	<i>Senior Cadet Engineer Officer.</i>
Alwin C. Jones . . . . .	<i>Junior Cadet Engineer Officer.</i>

WINTER TERM, 1931-32.

<i>Navigation.</i>	
Robert E. Thompson . . . . .	<i>Senior Cadet Officer.</i>
Thurston Hartford . . . . .	<i>Junior Cadet Officer.</i>
<i>Engineering.</i>	
Warren B. Foote . . . . .	<i>Senior Cadet Engineer Officer.</i>
Stuart K. Mills . . . . .	<i>Junior Cadet Engineer Officer.</i>

CADETS ADMITTED, GRADUATED, AND HONORABLY DISCHARGED, FROM 1893 TO 1931 INCLUSIVE.

	Admitted.	GRADUATED.			Honorably discharged	Withdrawn, dismissed, dropped.	Number connected with the school.
		Seamanship Class.	Engineer Class.	Totals			
1893	141	-	-	-	29	24	138
1894	63	-	-	-	43	18	156
1895	71	19	19	38	12	6	156
1896	74	20	17	37	31	17	174
1897	73	20	21	41	20	9	165
1898	99	15	25	40	26	23	194
1899	79	11	12	23	41	11	184
1900	78	14	36	50	21	14	186
1901	71	11	18	29	20	16	172
1902	90	16	22	38	34	13	197
1903	66	17	14	31	25	17	178
1904	60	16	29	45	17	31	165
1905	65	10	10	20	9	13	137
1906	50	16	19	35	18	19	145
1907	60	10	15	25	17	26	138
1908	45	8	10	18	9	9	110
1909	81	14	22	36	7	16	156
1910	54	6	16	22	16	15	151
1911	69	20	23	43	7	18	168
1912	57	17	16	33	14	15	157
1913	79	21	19	40	20	8	174
1914	65	20	16	36	22	7	171
1915	70	26	19	45	18	11	176
1916	73	23	15	38	36	3	175
1917	69	26	11	37	16	3	167
1918	66	31	17	48	10	4	178
1919	77	37	18	55	17	5	193
1920	70	35	15	50	13	9	186
1921	70	35	17	52	9	9	184
1922	74	29	21	50	19	9	188
1923	77	27	16	43	16	16	187
1924	76	23	21	44	13	16	188
1925	73	26	22	48	18	8	188
1926	80	19	22	41	22	21	194
1927	75	27	17	44	20	4	185
1928	69	27	20	47	15	7	187
1929	71	23	29	52	12	7	189
1930	62	33	19	52	8	3	180
1931	74	38	19	57	6	9	191
Total	2816	786	697	1483	726	489	

MEMBERSHIP OF THE SCHOOL  
GRADUATING CLASS, APRIL, 1931.

*Seamanship Division.*

Bienia, Walter J.	New Bedford
Pendergast, William R.	Everett
Tuliszewski, Joseph	Norwood
Fortunati, Joseph F., Jr.	Somerville
McPhee, Harold R.	Gloucester
Green, John E., Jr.	Medford
Whitney, Gordon P.	Leominster
Connors, Bernard E.	Salem
Rowe, Robert L.	Worcester
Cederberg, Stanley W.	Woburn
Raymond, Eugene C.	Springfield
Banach, Thaddeus A.	Holyoke
Driscoll, William G.	Belmont
Munro, Adelbert G.	Medford
Sullivan, James L.	Fall River
Peck, George F. J.	Braintree
Hammer, Arthur J.	West Roxbury



*Engineering Division.*

Irving, Richard W. . . . .	West Roxbury
Nelson, Nels P. . . . .	Walpole
Freeman, Raymond R., Jr. . . . .	Everett
Berry, Paul L. . . . .	Malden
Barry, Ralph L. . . . .	Brockton
Crosby, James D. . . . .	Belmont
McKeon, Clifford J. . . . .	Hull
Scott, Walter L. . . . .	Fall River
Balch, Kenneth B. . . . .	Springfield
Hunter, Charles R. . . . .	East Boston
Kenney, Paul J. . . . .	West Somerville
Poor, Bailey . . . . .	Medway
Mundy, Joseph H. . . . .	Revere

GRADUATING CLASS, OCTOBER, 1931.

*Seamanship Division.*

Thombs, Stanley A. . . . .	Palmer
Smith, Philip M., Jr. . . . .	Milford
Phipps, Leroy F. . . . .	Waltham
Burrage, Edward B. . . . .	Reading
Barkowsky, Anthony J. . . . .	Brockton
Polletta, Pasquale M. . . . .	Amesbury
Jarman, Warren E. . . . .	Haverhill
Connors, Robert J. . . . .	Prides Crossing
Playdon, George W. . . . .	Reading
Regan, John B. . . . .	Bradford
Bushey, John O. . . . .	Woburn
Shockley, Robert B. . . . .	Bridgewater
Bentley, William F. . . . .	Winthrop
Dimock, Joseph J., Jr. . . . .	Longmeadow
Berry, Hilary J. . . . .	Melrose Highlands
Casilli, Richard J. . . . .	Roslindale
Charlton, William S. . . . .	Jamaica Plain
Little, John S. . . . .	Melrose
Callaghan, Daniel F. . . . .	Roslindale
Chambers, Alden R. . . . .	Boston
Allman, Paul J. . . . .	Chicopee Falls

*Engineering Division.*

Knowlton, Herbert W. . . . .	Arlington
Peabody, Malburne J. . . . .	Georgetown
Kiely, Robert T. . . . .	Lynn
Jones, Alwin C. . . . .	Middleboro
Holt, Everett E. . . . .	Georgetown
Case, W. Evans DeW. . . . .	Cheshire

CLASS TO GRADUATE, APRIL, 1932.

*Seamanship Division.*

Thompson, Robert E. . . . .	East Boston
Willoughby, John A. . . . .	Edgartown
Hartford, Thurston . . . . .	Wollaston
Ingram, William H. . . . .	Weston
Roscoe, George L. . . . .	Dover
Rosol, Emile . . . . .	Northbridge
Bey, Wilbur A. . . . .	Holyoke
Hansford, Harold . . . . .	Lawrence
Cowell, Thomas E. . . . .	Hingham
Brozek, John J. . . . .	Three Rivers

*Engineering Division.*

Foote, Warren B.	Framingham
Mills, Stuart K.	Fall River
Gill, John G.	West Newton
Uebel, William R.	Medford
Atkinson, Leo T.	Cambridge
Charette, Normand R.	New Bedford
Taggart, Stuart H.	West Springfield
Forsey, Robert K.	Springfield

## CLASS TO GRADUATE, OCTOBER, 1932.

*Seamanship Division.*

Lermond, Joseph W.	Whitinsville
Condé, Jesse C., Jr.	Everett
Austin, Frederick	Mattapan
Page, Lucian T.	South Weymouth
Burbank, A. Murray	Watertown
Chesley, Carl F.	Lexington
Haggett, Gordon P.	South Weymouth
Melbye, Ernest M.	Wrentham
Root, Richard C.	Plainville
Lumbert, Chesley W.	North Scituate
Connors, William J.	Cambridge
Ross, James R.	Roxbury
Shepard, Norman H.	Beverly

*Engineering Division.*

Ebsary, Theodore P.	Charlestown
Paterson, William B.	Quincy
Campbell, Clarence H.	Arlington
Baketel, George S.	Methuen
Smith, Raymond C.	Westfield
Weir, William	Rockland
McGowan, Edward R.	Gloucester
MacDonald, James, Jr.	Atlantic
Montgomery, William R.	Melrose
Clark, Kenneth H.	West Bridgewater
Mika, Henry J.	Roslindale
Macdonald, Neil	Weston
Bowen, Robert J.	Salem
Hargraves, William E.	New Bedford
Neil, T. Arthur	Waltham

## CLASS TO GRADUATE, APRIL, 1933.

Gertsen, J. Douglas	Mattapan
Anderson, Arthur L., Jr.	Hyde Park
Evans, Richard D., Jr.	Fall River
Woodward, Clifford W.	Plainville
Lamb, William H.	Rockland
Pike, John F.	West Roxbury
Nichols, John A.	Malden
Farrell, Thomas P.	Bridgewater
Beal, Gordon F.	Nantasket
Brown, Frederick S.	Belmont
Clark, William T.	Malden
Joyce, Arthur J.	Watertown
Lapine, Arthur W.	Lynn
McGilvray, John D.	Lawrence
Davis, Richard R.	East Pepperell

Elms, W. Roland	Arlington
Healy, John D.	Dorchester
Rice, C. Marsh	Lynn
Sullivan, Joseph F.	Fall River
Grahn, Peter J.	Allston
Gilman, Newell J.	West Springfield
Mallard, Philip W.	Salem
Mehegan, Alfred C.	Dorchester
Hall, Edward H.	Arlington
Pinto, Reginald F.	Vineyard Haven
Gafney, James F.	Ware
Smith, George D.	East Walpole
Taylor, Reynold A.	Norfolk Downs
Wallace, Arthur J., Jr.	Newtonville
Knox, Kenneth G.	West Medford
Keefe, Martin D., Jr.	Roslindale
Small, Gordon W.	Everett
Jakeman, William C.	Watertown
Howes, Harold D.	Hyannis
Rush, Joseph E.	Jamaica Plain
Berry, Horace A.	Malden
Arold, Frederick P.	Lawrence
Gately, John P.	Watertown
Merrill, William F.	Manchester
Hemeon, William D.	Salem

## CLASS TO GRADUATE, OCTOBER, 1933.

(Alphabetically arranged.)

Adler, Harold	Springfield
Anderson, Russell W.	Worcester
Baker, Stanley N.	Winthrop
Bellucci, Vittorio P.	Mansfield
Berg, Martin D.	Medford
Costello, Martin J.	South Boston
Creed, Donald L.	Marshfield
Currier, Arthur R.	Shirley
Dougherty, Vincent E.	Stoneham
Fogg, Kermit W. J.	Waban
Gervais, Ralph E.	Wollaston
Glinski, James, Jr.	East Saugus
Gold, Isador	Westfield
Hale, Robert A.	Brookline
Kelly, Morton J.	Woburn
Macher, Frederick A.	Springfield
Magnuson, Victor B.	Medford
Molitor, Carl M.	Danvers
Orenstein, Samuel	Springfield
Quick, Donald L.	West Springfield
Rodgers, Allan S.	Chicopee Falls
Rollings, Phillip A.	Belmont
Ruddock, Stephen S.	East Longmeadow
daSilva, Aurelio A. C. F.	Fall River
Stott, Douglas B.	Andover
Sylvester, Francis H.	Somerville
Vautrinot, William B.	Hull
Wade, Paul D.	Somerville
Waite, Leonard S.	Wakefield
Walton, Sargent L.	Salem
Weissbrod, Paul F.	Holyoke
Wood, William W.	Shrewsbury
Young, Frank A.	Quincy

## APPROPRIATIONS.

The appropriations for the school for the fiscal year 1931, from December 1, 1930, to November 30, 1931, are here accounted for as follows:

<i>Expenses of Schoolship.</i>	Appropriation	Expenditures
Personal services . . . . .	\$46,600 00	\$44,861 72
Travel, transportation and office expenses . . . . .	1,000 00	978 73
Food . . . . .	22,000 00	21,979 34
Furnishings and household supplies . . . . .	1,100 00	1,454 27
Medical and general care . . . . .	1,433 45	1,679 11
Heat, light, power, etc. . . . .	9,200 00	8,740 72
Repairs . . . . .	2,800 00	3,452 03
Miscellaneous . . . . .	5,025 00	4,228 14
Appropriations by the Commonwealth* . . . . .	\$89,158 45	\$87,374 06
Unexpended balance . . . . .		1,784 39
	\$89,158 45	\$89,158 45
<i>Expenses of Commission.</i>		
Personal services . . . . .	\$4,700 00	\$4,700 00
Office supplies and equipment . . . . .	300 00	266 68
Traveling and other services and expenses . . . . .	2,009 50	2,026 42
Appropriation by the Commonwealth* . . . . .	\$7,009 50	\$6,993 10
Unexpended balance . . . . .		16 40
	\$7,009 50	\$7,009 50

\*The Treasurer of the Commonwealth receives annually \$25,000 from the Navy Department toward the maintenance of the school, reducing the net cost to the State by that amount.

The estimates for the year 1932 are as follows:

Expenses of Schoolship . . . . .	\$87,059
Expenses of Commission . . . . .	2,297
Personal Services . . . . .	4,730

Respectfully submitted,

WILLIAM E. McKAY, *Chairman.*  
CLARENCE E. PERKINS.  
THEODORE L. STORER.