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All material for publication must be in hands of the night editor by noon of the day previous to issue.

The Editor is always responsible for the opinions expressed in the editorial columns, and the Managing Editor for the matter which appears in the news columns.

Although communications may be published unsigned if so requested, the name of the writer must in every case be submitted to the editor. THE TECH assumes no responsibility, however, for the facts as stated nor for opinions expressed.

In Charge This Issue

E. H. Koehler, Jr., '22 J. M. Keck '23

FRIDAY, MARCH 12, 1920

WELCOME VOLUME XL

THE TECH takes pleasure in announcing the election of the Managing Board for Volume XL. The wisdom and success of the policies inaugurated by Volume 39 must be determined in a large measure by the achievements of the new Managing Board. The past year has been a most critical period for undergraduate activities and at the same time a most successful one. New traditions have sprung up, new activities established, and a great wealth of promising men developed for activities next year.

The following men compose the new Managing Board of THE TECH: General Manager, Raymond A. St. Laurent '21; Editor-in-chief, Carole A. Clarke '21; Treasurer, William H. Rose '21; Managing Editor, Charles G. Ball '22; Circulation Manager, Roger H. Damon '22; Acting Chairman Editorial Board, Arthur W. Skilling '21; Acting Editor The Tech Engineering News, Rodney E. Pettengill '22.

The following men have been chosen to the News department, the Editorial board, the Business department, the Treasury and Circulation departments:

To the News Department—Contributing editors, H. R. Kurth '21, W. H. Irwin '21, F. W. Adams '21. News Editor, H. C. Gayley '22. Sporting editor, F. P. S. Glassey '22, Assistant, J. S. Ward '22. Alumni editor, A. J. Browning '22. Photographic editor, H. D. Moore '21. Night editors, J. D. Sarros '22, E. H. Koehler '22, W. B. Purinton '22, W. K. Taft '22, R. O. Ingalls '22. Assistant Night editors, A. P. Godbout '22, M. D. Perkins '22, L. F. Jenness '22, Ansley Newman '22, H. S. Griffith '23, Steven Bromley '23, J. M. Keck '23. News staff, A. C. Hampton '23, G. P. Tompkins '23, I. Gerofski '23, W. Merzbach '23, A. B. Allard '22, G. H. Southard '23, D. Kaufman '23. To the Editorial Board—George Bliss '20, F. H. Morris '22, L. J. Siff '21, M. H. Winchester '21, W. R. Scott '22, K. B. White '20, R. B. Frost '21. To the Business department—Assistants, W. B. Murdock '23, Eastman Smith '22. Staff, G. H. Atkinson '21, D. P. Field '23, H. J. Kerr '22, B. M. Mossman '23, W. A. Thomas '23. To the Treasury and Circulation department—Assistant, C. T. Jackson '22. Staff, Harry Green '23, H. H. Eder '23.

THE DANGERS OF AMHERST STREET

EVERY morning several hundred Institute men have to brave the perils of the deep when they walk from the subway at Kendall Square to the entrance at building eight. Unless one is provided with hip boots or overshoes, he is almost sure to ship water and mud in most disconcerting quantities. This disgusting condition of one of the main approaches to the Institute prevails all the year around. Then again, at night the way is even more tortuous, for lights are few and far between and dodging mud bogs and miniature lakes in the dark is no mean job.

The city authorities ought to be strenuously reminded that Amherst Street although it is a back way, should be kept in better condition than a worn out logging road in the wilds of Maine.

HOG ISLAND SHIPBUILDING PLANT TURNED OUT BOATS OF "A" AND "B" TYPES WHICH WERE OIL BURNERS

The "A" type vessels of which the American International Shipbuilding Corporation is building 110 for the United States Shipping Board Emergency Fleet Corporation are steel cargo carriers of 7825 deadweight tons; 401 feet long, 54 feet beam and have a loaded draught of 24 feet. Since August 5, 1918, eighty-five of this type of ship have been launched. The vessels are driven by a geared turbine of 2500 shaft horsepower and make a speed of 11 1/2 knots per hour. They are oil burners, and are of the two-deck type of ship, with bridge, forecastle, head and poop. They are single screw with complete double bottom.

Vessels Have Two Derrick Posts
They have solid steel bulwarks in way of wells; a semi-elliptical stern, straight stem; are rigged with one hollow steel mast for wireless and have two stationary derrick posts. The vessels have five hatches at upper and second decks, and one hatch in bridge deck. There are eight watertight steel bulkheads which extend from keel to upper deck, forming four cargo holds, deep tank and engine and boiler spaces. The superstructure deck houses are built of steel, except the wheel house, which is of wood.

Doors Between Bulkheads

The holds and between decks are used for cargo; the space in the forecastle head for stores, chain locker, carpenter shop and oil and paint room. The space in the poop is used for steering gear and as sleeping quarters for part of crew and hospital. The forward end of 'tween decks is also used for stores. In the 'tween deck bulkhead, aft, of machinery space, and in bridge, poop and forecastle bulkheads there are watertight doors fitted with hinges.

Double Bottom Tanks Carry Water

The forward and aft peak tanks are used for ballast and are salt water trimming tanks. The whole double bottom, except under the engines, are arranged for fuel oil. The tank under the engine has a watertight center division, forming two tanks for boiler feed. Fuel oil settling tanks are fitted amidships forward of boiler room bulkhead. The double bottom tanks are used for carrying water ballast, as well as fuel oil. The vessels have one shaft tunnel for single screw with thrust recess.

In the bridge deckhouses are the officers mess room, galley, deck officers', stewards' and engineers' quarters, wash rooms, storeroom, cooks, etc.

The propelling machinery used in the cargo carriers is furnished with steam from three water-tube boilers with induced draft.

All Connections Are Tested

Before the delivery of each vessel, and in accordance with the provisions of the contract, steam is raised to test all connections; the propelling machinery is given a thorough trial of not less than eight hours at the dock and on a ten-hour river run, to insure accuracy of alignment and smooth running of different parts; the hull auxiliaries and deck machinery, including winches, windlass, capstan, steering gear, electric and ice machinery is tested to insure their being in good working order.

Carry Crew of Forty-Six Men

On the river trial the standardization of speed and revolutions is determined, and the vessel must make an average speed under usual weather conditions of 11 1/2 knots per hour loaded with a deadweight of 7500 long tons. The vessels carry a crew of forty-six men.

Built Eleven "B" Type Ships
The "B" type ships, of which eleven are being built for the United States Army and one for the Navy by the American International Shipbuilding Corporation, are 448 feet long, of 58-foot beam, of 40-foot depth and are of an estimated deadweight tonnage of 8,000-deadweight. They are known as a combination cargo carrier and troop ship. The "B" type vessels are propelled by a compound six thousand horse-power steam turbine with double reduction gears, and are equipped with six boilers.

They have a fuel capacity of 500,000 gallons of oil and a cruising radius of 10,000 miles. They carry a crew of eighty-one officers and men and their military complement is 77 officers and 2,133 troops.

NOTICES

For Undergraduates

Athletic Council—The Advisory Council on Athletics will meet at the Engineer's Club, Monday evening at 7.30.

JUNIOR WEEK WILL START ON APRIL 15

Technique Rush Opens Program—Tea Dance and Reception is New Feature—Tech Show Gives Five Performances

PROM COMES SATURDAY

Junior week, which shares with Field Day the distinction of being the most important event of the school year at Technology, will be held this year from April 15 to April 20. The usual events will be supplemented by an entirely new feature, a reception and tea dance at Walker.

All of the floor space on the first story of Walker Memorial will be utilized for this feature. Dancing will hold sway in the Main Hall of the Memorial and refreshments will be served in the Grill Room. Wives of prominent members of the faculty will be the matrons. A. D. Harvey '21 and P. N. Anderson '21 are in charge.

Technique Rush First Event

Technique Rush will start things going on Thursday, April 15 in the Great Court at 4.00 o'clock. Classes will be held during the rush. Previously the Rush has come in the morning or at noon. The first five copies captured will probably be autographed by the Chairman of the Executive Committee of the Corporation but this point is still in doubt. Editor-in-chief R. H. Smithwick will supervise the battle. The Combined Musical Club's big Spring Concert will be given under direction of F. T. Raymond '22, in Boston on the evening of April 15. The time and place are still undecided but in all probability will be held at the Hotel Somerset.

Prom Comes April 16

The runners will fight for the Inter-class track championships on Friday, April 16. The meet is scheduled to start at 2.15 o'clock. The biggest dance of the year, the Junior Prom will be given at the Copley Plaza at 8.15. Garvin Bauden '21 is chairman of the committee. The management expect the dance to be unusually successful because of the great number of men who have attended other hops this year.

Committee Issues Programs

The reception and dance will be open to the entire student body Saturday at 3.00 o'clock.

Tech Show will give two performances, matinee and evening at Northampton. Percy Bugbee will have charge.

On Monday, the Show will be given at one of the Boston theatres, two performances.

On Tuesday April 20, the Show will give its final performance, the evening's entertainment closing Junior Week.

The Institute will be closed on Friday, Saturday and Monday but exercises will be held at usual on Tuesday.

Programs will be given out to the student body by members of the Prom Committee today throughout the buildings.

WALKER BOOKS ARE MISSING

Nearly one hundred books are missing from the Walker Memorial library, in spite of the fact that all of those books are labeled "Do not take from the library." Mrs. King who has charge, urges that the students who have them bring them back at once. The Walker Committee says that it may be impossible to keep the library open if the practice of taking books does not stop.

THE TECH Opens News Competitions

Any men who are interested in the News Department of THE TECH and desire to enter the competition now open should see News Editor Kurth any time this week, at the TECH office in room 3, Walker. The candidates will start work either immediately or after vacation, but all entries should be made at once. Elections will be made to News Staff as soon as the ability and experience of the competitors warrant them. This position leads to that of Associate Editor in the second year, followed by that of Managing Editor and Editor in Chief or General Manager.

M. C. BRUSH '01

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