



# 800 HEAR REPORT ON PREPAREDNESS

## VARSITY OARSMEN AND COXSWAINS CALLED

Practice Tomorrow at Newell Boathouse on Machines and in Tank — More Upperclassmen are Wanted at Practice

### CAPTAINS NAMED SOON

The members of the four first class crews will be picked within the next two weeks and it is essential that every upperclassman and freshman wishing to get in the first class boats when they row for the first time on the river should report for practice regularly from now on. All upperclassmen are expected to report tomorrow afternoon at the Newell boathouse at Harvard at 2 o'clock, and as many times during the week as they can. The freshmen are expected to be present at Harvard tomorrow at 3 o'clock, and this is a compulsory session for all wishing to be excused from gymnasium.

The captains of the four class crews will be elected by the members of the crew before the class races in April, but temporary captains will be appointed within the next two or three weeks who will act as the leaders of the crews until the elections. When the crews get on the river they will row as class crews for the first week or so and then a first eight will be picked from the members of the four class crews, and certain members of the second class crews promoted accordingly. The second crew will be picked in the same manner. Any member of the class crews is likely at any time to step into the first association crew if he proves himself capable.

### Coxswains Wanted

Coxswains are wanted at all Saturday practices from now on in order that they may get instruction in running the crews. Any man weighing less than 135 pounds is eligible to apply as coxswain, and the lighter the men the better. More freshman candidates are also wanted and the men reporting at this time will not be seriously handicapped in the competition.

The practice at Newell boathouse tomorrow will be the first attempt to organize the crews for work together. Up to now the men have worked in groups without regard to classes. The upperclassmen reporting up to now have been very few, but these are rapidly getting into shape and the chances are big for a strong first eight. The Sophomores have the best men out although the two upper classes have several experienced oarsmen among the candidates. The Seniors have McDonnell, the stroke of the Senior crew last year, who is trying for stroke again this year. Against him in his first eight will be Berliner, a new recruit from Cornell who rowed on the college crew at Ithaca, and Lundquist, stroke of the freshman and varsity crews last spring. All these are considered very good and the choice will be difficult. These three men are among the most promising of the upperclassmen reporting.

### Last Year's Men Back

Capt. Deacon was at first uncertain whether he could row because of an operation last summer, but he is out in logs and will probably row. Other oarsmen who are expected to do well among the upperclass crews are Wirt and Bone of the Junior boats, Untersee and Gault of the Sophomore class, and several oarsmen who entered the Institute from Harvard last fall, and several from Yale and Pennsylvania crews. The freshmen have a large squad, but the heavier men are lacking except among a few inexperienced oarsmen who have turned out. They are showing up strong, however, and have a strong chance of beating out several of the men who rowed on the freshman crew last fall. Ed Bigelow, captain of the 1920 crew last fall, is showing great form in the work in the tank and looks like a sure man for the boat. Burroughs, Cotton, Higgins and one or two others are also keeping up their work of last

## MECHANICALS WILL SEE BIG REFRIGERATION PLANT

To Visit Quincy Market Cold Storage Co. Tomorrow

Through the courtesy of Mr. F. L. Fairbanks, of the Quincy Market Cold Storage Plant, a trip through the plant for the members of the Mechanical Engineering Society has been arranged for Saturday afternoon. One of the features of this trip will be the opportunity to see a one thousand-ton vertical compressor. This is the largest vertical compressor in the world and was built especially for this company. The plant itself is one of the largest in existence. The men will meet at the entrance of Building 3 at 1:30 o'clock tomorrow afternoon. If it is more convenient for any men to go alone, the entrance to the plant is at the South Ferry on Atlantic Avenue, but they should be there not later than 2 o'clock.

## THIRD C. E. TALK TONIGHT

E. J. Mehrens on "The Engineer and the Technical Journal"

The third of the series of talks concerning practical engineering which have been arranged by the board of officers of the Civil Engineering Society will be given tonight at 7:30 o'clock in Room 4-370, when Mr. E. J. Mehren will address the society. The subject of Mr. Mehren's talk will be "The Engineer and the Technical Journal" and, as Mr. Mehren stated in a letter to the president of the society, will be of interest not only to civil engineers but to all others. On account of this general scope of the talk the society has decided to open the meeting to all Technology students.

Mr. Mehren is editor of the Engineering Record, which has now been consolidated with the Engineering News under the name Engineering News-Record, and Vice-President and General Manager of the McGraw-Hill Publishing Co., publishers of the Electrical World, Metallurgical and Chemical Journal, Power, the Coal Age and a number of other technical journals.

A student paper will be read by A. S. Niles '17 on the "Baltimore and Potomac Tunnel." The speaker worked on this piece of construction during last summer and the paper will deal with what he learned from actual experience.

Tonight's talks will be followed shortly by others of the same series dealing with the work of a structural, hydraulic, and consulting engineer.

## INSTITUTE AERO CLUB WILL BE FORMED THIS AFTERNOON

Army Aviation Expert Will Talk on Methods of Military Airmen

A plan which has been circulating about the Institute for some time will become fact today at a meeting for the purpose of forming a Technology Aero Club, which will be held at 1:30 o'clock in Room 3-270, when J. C. Brainin '18 and C. Travener '18 will outline the proposed plans for the club.

Mr. Mehren, editor of the Engineering Record, of New York, will give a talk setting forth his ideas concerning the future of the aeroplane. Captain Gordon, U. S. A., will describe the methods of the Government aviation corps, and E. P. Warner '17, contributor to "Aviation and Aeronautical Engineering," will talk on the aerodynamics of the day.

Credited figures of the Aeronautical Census at New York shows that 50 per cent of the men engaged in the field of flying are Technology graduates. In connection with the movement, which has the full support of Professor Peabody, head of the aeronautical engineering department at the Institute, two new ideas are being practiced by Institute activities which will be advanced. They will be in regard to help given to club members in securing positions.

## TRACK MEN OFF TO PHILADELPHIA

Technology Four-Mile Relay Hopes to Repeat Victory of Last Year Over Ithacan Quartette Tomorrow

### MEETING OF I. C. A. A. A.

Under the care of Coach Kanaly, thirteen athletes from Technology will leave the South Station for Philadelphia this evening at 6 P. M., bound for the annual Indoor Meet of the I. C. A. A. A. A., to be held in Exposition Hall, near the grounds of the University of Pennsylvania. The men as teams will compete in four events—the sprints, four mile relay, high jump and medley relay.

The sprint race will be run off in heats of four men each, places counting four, three, two and one. The last two men being eliminated the winners will move up to the next heat, scoring again with the same points. By this process of elimination, every man wins some point until the final heat is reached. Last year Smith, of Michigan, by winning every heat in which he competed, practically brought his team into first place. Technology's team of O'Hara '17, Russert '18, Doon '17 and Loomis '17, which won third place last year, has an excellent chance to win, with Harvard and Yale as the strongest competitors.

In the four mile relay, the strongest teams are those of Cornell and Technology. A repetition of the victory over Cornell last year is looked forward to by the Institute runners, Herzog '19, Halfacre '19, McCarton '19 and McMahon '20 will represent Technology, the first three being veterans of last year.

The high jump team, composed of Sullivan '17, Collier '18, Pierce '20 and Asho '20, is up against an unknown proposition. Cornell has Alma Richards on their team, practically insuring them a good place. Last year Technology's team tied for third place with Pennsylvania.

In addition to the above teams, Technology will have a representative in the Medley Race. Four men compete, running respectively two, four, six and eight laps apiece. The chances in this race are absolutely unknown as the event comes late in the evening and most of the competitors are those who have already competed in other events, the extent of their efforts affecting their running and the team's chances of winning. O'Hara '17, Doon '17, Collier '18 and Stephens '18 will run for Technology.

After the meet, the athletes will adjourn as a body to the Hotel Walton, where refreshments will be served and a general get-together time held. This is strictly in keeping with the idea of the meet, where no points are scored as regards the meet in general and where team play is desired rather than individual brilliance. Here the men will also be presented their trophies—bronze Bhorgese gladiators standing about four inches high.

In the afternoon the annual meeting of the I. C. A. A. A. A. will be held at the Bellevue-Stratford. Neal E. Tourtelotte, a member of the Executive Committee of the I. C. A. A. A. A., will be the delegate from Technology. This meeting rounds out Tourtelotte's services of a year on the Executive Committee. He was the first Technology man, in fact the first man from any of the colleges outside of the Big Six who has served on this Committee in the last twenty years.

## MUSICAL TOURS TRIP TO FRAMINGHAM POSTPONED

The concert scheduled for Framingham on the 7th of March has been postponed until the first week in April. The following is the schedule of concerts for the rest of the season: Saturday, March 30, Salem Normal School; April 6, Framingham Normal School; April 10, Malden High School; April 18, Spring Concert.

## Committee Advises Students to Withhold Services in Case of War Awaiting Developments

### SHOULD HEED MISTAKE MADE BY ENGLISH

One of the largest meetings ever held in the new Technology took place yesterday in Smith Hall when about eight hundred students and professors heard the report of the Preparedness Committee. The committee is a sub-council of the Institute Committee and has been working for some time on the report, having consulted about twenty-five capable men as to the manner in which the undergraduates can best serve the nation in time of war.

### Plenty of Time to Enlist

The meeting was called to order by J. M. de Bell '17, chairman of the Institute Committee, who introduced K. C. Richards '17, the chairman of the investigating committee. Richards explained the work of the committee: "We have investigated the opportunities for service in the army, navy and industrial fields. We have consulted commissioned officers in the navy and army and other capable and practical business men. It appears to be the great consensus of opinion that all undergraduates should at first withhold their services entirely, continue in their various courses at the Institute and await developments. There will be a long war and there will be plenty of time to enter it," Richards continued that the training enjoyed by students at the Institute comes within the grasp of a very small percentage of the young men of the country and that the extent of the nation's activity in the war cannot be foretold. It is altogether probable that the United States will take a respectively inactive part similar to that of Japan at the present time. Until the actual extent of the action of the government is known, no definite information can be given as to the industrial field other than a statement of the possible positions available to the student.

### Will Take Military Census

"I am advising undergraduates," said the chairman, "that after graduation the field of best utility is in the army or navy or some definite industrial position, but we should not repeat the mistake made in England of allowing men with special qualifications for service to enlist and be killed in a position where they were not serving to their greatest capacity. Your committee recommends further that upon the initiation of hostilities: (1) A committee be appointed to keep the undergraduates constantly in touch with the national demand for technical services. (2) That every man be examined to determine physical fitness for military or naval service. This census and record of the capabilities of the individual student will be forwarded to the government to be used by the authorities as is thought most advisable. As is determined by such a census, those unfit for active service should immediately begin preparations for some definite industrial position. But the class of men who are found to be physically up to the government requirements should prepare for active service, although it may turn out that they will be needed in industrial work. The Institute offers an opportunity for such a preparation in the Engineering Corps and also in the increased military course, which is reported close to realization."

### Taking up the matter of the army

## COSMOPOLITAN CLUB SEES SLIDES OF NORWAY AND SWEDEN

Last Wednesday evening at the first second-term meeting of the Cosmopolitan Club, Professor Norton A. Kent, of Boston University, gave an interesting illustrated tracélogue on the countries of Northern Europe. A number of beautiful slides were given showing the fjords and waterfalls in which Norway and Sweden abound.

M. F. Alvarez '18 delivered a report on the annual convention of the National Cosmopolitan Clubs held at New Haven recently. It was also announced that the Latin American Club will hold a dance some time next month.

and navy and the possible connection of the Technology student thereto, Richards reported. "While the army will probably not be called upon for active service, it will undoubtedly be called upon as a precautionary movement. Men who wish to enlist should enlist through the Officers' Reserve Corps. Technical education will be of particular value in the Engineers' Corp, Coast Artillery and Ordnance Department. And a commission in the regular army is within the reach of at least the members of the two upper classes. Regarding the navy, however, the committee finds that it is more likely to see active service in the protection of our shipping.

### Men Needed in Industries

On the matter of the industrial situation in the event of active warfare, the report grouped the opportunities into the following heads: Inspectors, supervisors, research assistants, machine designers and competent draftsmen. Richards continued: "If our country went to war on an extensive scale there would be a real demand for honest, intelligent young men in the capacity of inspectors in munition plants, textile, airplane and marine engine factories. This demand might well be great enough to take care of all the third and fourth year men in courses II, VI and XV. Assistants, supervisors and foremen would be in demand at chemical and munition factories. These men would have to learn their work on the grounds. If the government should use our laboratories, as suggested by President MacLaurin, half of the chemists and chemical engineers of the two upper classes could be used right here in the buildings. There would be ample room for the others in government and private laboratories. There would also be a good demand for men in designing machines, making layout drawings and general drafting in connection with the revamping of manufacturing plants."

### Technology Will Be Ready

J. M. deBell, in adjourning the meeting, summed up the whole idea contained in the recommendation in a few words: "In the event of actual war, avoid any rash action and wait, not inactively but in preparation, either the demand of national industry or other service as called upon by the government. In short, when the time comes for action, let it be said that Technology was ready."

Pamphlets containing the findings of the committee can be obtained in the Registrar's office in Building 10, where the service information bulletin will be kept. The Preparedness Committee in charge of the report follows:

K. C. Richmond '17, chairman, A. F. Benson '17, A. E. Keating '18, A. E. Windle '18, Major E. T. Cole and Registrar Humphreys.

## CALENDAR

- Friday, February 2 1917
  - 1:30 P. M. Aero Club Meeting, Room 3-270.
  - 4:30 P. M. Tech Show Chorus Rehearsal, Room 4-190.
  - 7:30 P. M. C. E. Society Meeting, Room 4-370.
  - 8:30 P. M. Chemical Society Meeting, Room 2-190.
- Saturday, February 3, 1917
  - 1:30 P. M. M. E. Society Trip to Quincy, Building 3.
  - 2:00 P. M. Upperclass Crew Practice, Newell Boathouse.
  - 2:30 P. M. N. E. I. C. Wrestling Meet, Acornway Gymnasium.
  - 3:00 P. M. Freshman Crew Practice, Newell Boathouse.
- Sunday, February 4 1917
  - 9:00 A. M. Tech Show Orchestra Picture, Sarony's.
  - 9:30 P. M. Tech Show Ballet, Cast and Chorus Picture, Sarony's.
  - 10:00 P. M. Tech Show Management Picture, Sarony's.
  - 10:00 A. M. Tech Show Orchestra Rehearsal, Caf.