

WORK OF MOBILIZING ALUMNI CONTINUES

Institute Graduates Are Blazing
Way in Gathering Together
Technical Resources of U. S.
in Case of War

IN CHARGE I. W. LITCHFIELD '85

The Alumni of Technology have appointed a committee of twenty-eight men, called The Alumni Committee on Mobilization of Technology's Resources. The Executive Committee is composed of I. W. Litchfield '85, Chairman, J. P. Munroe '82, Secretary-Treasurer, C. A. Stone '88, R. B. Price '94, and M. L. Emerson '04. Through these men a list has been prepared covering several branches of engineering, industrial and professional experience which will be of great use to the Government in case of war. A copy of this list has been sent to each member of the Alumni throughout the country requesting him to mark those branches in which he feels most competent to serve and then return the list. Mr. Litchfield states that the replies are coming in at the rate of five hundred a day. These replies are to be filed and statistics kept of the line of work in which each alumnus is best fitted. The letter accompanying the list to the different Alumni is, in part: "As this is being printed, there is an imminent prospect that our country will soon be in a state of war. Technically trained men will be urgently and immediately needed to supply the army and navy with the most effective materials, equipment, and devices, in immense quantities, true to specification, in the shortest possible time. The Alumni of the Institute have been asked to blaze the way in this important work of finding out the best method of mobilizing the technical resources of the country." By the statistics kept of these Alumni, Technology will, in case of war, be able to mobilize its resources to meet the needs of the Government.

A synopsis of the blank being sent out follows:
If you have had considerable experience in any of the lines being enumerated, please mention it, briefly on accompanying sheet. Specify character of product and of your work, and state whether in engineering, manufacturing, or operating capacity, or as a dealer. We especially urge quick replies from Alumni prominent in their business or professions, as their counsel is particularly needed now. Classify your experience under motor power, ammunition, weapons, textiles, equipment, ships,

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DR. ROWE WILL TALK AT CREW MEETING TOMORROW

To Discuss Whether a First Crew Shall
Be Picked

The spring crew meeting will be held tomorrow at 1.30 o'clock in room 4-108 when Dr. Allen W. Rowe, member of the advisory committee on athletics, and Coach Arthur W. Stevens, will speak to the candidates for the crews. The work of training and the prospects for outside races will be explained.

The members of the class crews were picked last Saturday afternoon at the Newell boathouse, six crews working out in the tank. The freshmen, as usual, turned out more than half of those present. The Seniors showed up very poorly, only two of the fourth year men reporting. The crew manager will give up the idea of having a Senior class crew unless more men turn out from the 1917 class.

At the meeting tomorrow the management will determine the attitude of the oarsmen regarding the formation of a first crew from among the members of the first class boats. It is probable that such a crew will be formed to represent the association against Exeter, Middlesex, Tufts, and in the Harvard regatta.

Harvard and Cornell were represented in the Junior eight as picked last Sat-

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I. W. LITCHFIELD '85
Chairman Executive Committee

SOPH DINNER TOMORROW

Professors Wickenden, Robinson,
and Editor Will Speak

The Sophomore Class will hold their first dinner of the year tomorrow evening in the Caf. The management has succeeded in securing the services of the Musical Clubs to furnish the entertainment and also a banjoist and pianist from Walter Johnson's Colonial orchestra, so that there will be no lack of entertainment. Several prominent men are on the list of speakers, including Professor Wickenden of the Electrical Engineering Department, Professor Robinson of the English Department, and Editor Williams of the Boston Transcript. Professor Calcombe of Harvard will not be able to speak as was stated in Monday's issue.

The committee in charge of the affair is composed of the following men: G. F. French, chairman, H. H. McClintic, A. E. Page and D. D. Way. When interviewed yesterday one of the committee said that the management expected an attendance of at least three hundred, as this is the first Sophomore dinner of the year. Over two hundred tickets have already been sold and all indications point to a record attendance. The tickets bear a rather humorous inscription: "Ye 1919 Classic Dinner, in Ye Dungeon, Ye Fifteenth Day of March." The price of the tickets is seventy-five cents and they may be obtained from any of the following men: M. M. Beckett, O. Cammann, J. S. Coldwell, H. W. Denison, G. C. McCarten, G. W. Root, W. E. Shippey and C. H. Tavener.

PACK AND PADDLE WILL HOLD MEETING TOMORROW NIGHT

The Pack and Paddle Club will hold a meeting in the Civil Engineering Museum at 7.30 Thursday evening, when Dr. C. K. Reiman of the Chemical Department, will talk on his experience in the Alps of Switzerland. The experiences about which Dr. Reiman will speak are the product of several years spent in Switzerland when he was there obtaining his doctor's degree in chemistry. He is especially familiar with the country in and around St. Cergue, for it was there that he spent most of his spare time during his work abroad. He says that the principal forms of recreation there were skiing and snowshoeing in the nearby mountains. He has arranged his talk so that it will appear as one continuous trip, starting at Geneva and covering all the minor mountains. He will illustrate his talk with his large collection of lantern slides which number over a hundred.

Those who attended the Pack and Paddle dinner last fall will remember what an interesting speaker Dr. Reiman is and what an endless stock of amusing incidents and anecdotes he has. The experience that he relates about sliding down the mountains on skis and using his elbows for brakes is rather characteristic.

ADVOCATES ELECTRIC DRIVE OF BATTLESHIPS

Electric Units Have Distinct Advantages Over Turbine or Reciprocating Engines Thinks Expert

ADVERSE TALK UNJUST

Mr. William L. Emmet of the General Electrical Electric Company gave an instructive talk last Monday afternoon under the auspices of the department of Naval Architecture on the electric propulsion of warships. Mr. Emmet, besides being on the Naval Advisory Board is an enthusiastic advocate of this means of propulsion and has had a wide field of experience in equipping the United States Navy with electrical apparatus.

Mr. Emmet said in part: "The electrical propulsion of warships has several distinct advantages over turbine or reciprocating engine method. The first advantage offered is one of simple rotation without contact. Where there is a large amount of vibration and extra motion as in a ship, the problem of efficient gearing and mechanically perfect joints is very important. The second advantage is interchangeability. The electrically propelled ship has a plurality of propelling units so that the failure of one unit does not entail disablement of the entire propelling force of the vessel. The third advantage is the adaptability of the electrical propelling units to good performance at light loads. The efficiency of the electrical units on board ship increases with decreased load, while the converse is true with turbines. But these are not all the advantages for the reason that the speed ratio of the electrically propelled vessel can be changed more readily. Simply by changing the poles full efficiency of the generator may be obtained with the motor at half speed."

"The fact that for military reasons the warships must be able to reverse readily makes this last advantage of great importance. With the steam turbines one meets insuperable difficulties when it comes to introducing high pressure steam into the delicate mechanism of a turbine to make the propeller blades take the opposite direction. In the electric drive this difficulty is eliminated by an ingenious arrangement perfected by the General Electric Company. "Although the electrical equipment adds more weight per horse power than the turbine, there is a distinct advantage in the fuel economy of the former as applied to battle cruisers and ships likely to have a large cruising radius. More efficiency could be obtained with the turbine by using highly superheated steam, but the mechanical difficulty of the comparatively slow absorption of heat into the interior of the turbine makes its use impracticable."

Mr. Emmet said that the popular newspaper talk about the incompetency of the Navy Department was unjust and merely a display of ignorance of the true conditions. Every scientific problem pertaining to the construction of the war ships of our Navy is given the most careful and thorough investigation by the leading engineers of the country.

SENIOR CLASS DAY COMMITTEE TO HOLD WEEKLY MEETINGS

At the first meeting of the Senior Class Day Committee last Monday a constitution and by-laws were adopted similar to those of former class day committee. It was decided that regular meetings be held every Monday afternoon at 5 o'clock in Room 1-190. The resignation of F. V. DuPont was accepted, automatically advancing L. L. McGrady to the position of Third Marshal. It was also voted to admit H. B. Gardner and L. A. Hoffman, tied for twenty-sixth place on the ballot, to fill the vacancy made by DuPont's resignation.

L. A. Swan was elected chairman of the committee, and R. N. Gay vice-chairman, W. L. Medding and E. G. Senter being appointed secretary and treasurer, respectively.

1918 TO HAVE DINNER

Tickets Now on Sale for Dinner in Caf
on March 29

Arrangements have been made for a dinner for the Junior Class to be held Thursday, March 29, at 6.30 o'clock in the Caf, and tickets have been placed on sale at seventy-five cents per plate. The committee in charge, consisting of W. Eastman, Jr., R. G. Mahony and C. H. Watt, state that the entire proceeds from this ticket sale will be devoted entirely to the dinner, the cost of printing, entertainment, and other incidental expenses being borne by the class treasury. This arrangement insures a much better dinner than usual and also gives the members some return on their dues, they think.

After the dinner James P. Munroe '82, Secretary of the Corporation, will deliver a short address upon "The Mobilization of Technology's Resources." There will also be several other timely talks.

The dinner of the Class of 1918 last year was a record for the Union, and it is the hope of the committee this year that this record will not only be equaled but exceeded.

"BACK TO ROGERS"

Will Hold Dance in Roger's
Library After Performance

Following the discovery of the mysterious document in the Caf, which brought before the eye of the public certain machinations of a sub-committee of the Institute Committee, have come many rumors of varying truthfulness. The latest of all comes as a complete surprise, however. The said sub-committee, after much debating, have provided a means whereby the frivolously inclined may "trip the light fantastic" after the entertainment in Huntington Hall.

This act of the committee may be taken either as a demonstration of its tender affection for the student body as a whole or it may have been offered in the spirit of "safety first" after the secret contents of the aforesaid document had been noised about. Take it as you will. But before Terpsichore takes charge of the evening other rumors are expected to materialize. There is the much "tooted" skit, issuing from the very depths of Faculty gray matter. This latter has been heralded in certain quarters as a work of art revealing fearful plots and making the deeds of world-conquerors like unto mere bits of cheese. Again it has been rumored as merely a musical comedy featuring the Caf and noted habitues thereof. At least, all of the musical and dramatic material of the Institute have agreed to do their various parts toward making themselves popular. In contrast to the musical part of the production, the Banjo and similar clubs will try to soothe and soothe the minds of their listeners between the acts. The management wishes to announce here that this particular branch of the evening's work is very susceptible to applause and is in the habit of encoring at the least warning.

If entertaining matter increases at the present rate from now until March 21, that date will go down in national history, and in order to avoid a disastrous rush for tickets at the last moment, as the gathering cloud of rumor predicts, the management wishes to ask all to be among the first to produce evidence of four bits. "Maxkeezarian" bits will be acceptable along with other honest wealth, so follow the slogan of the managing committee, "Seek out your uncles and hock while the sun shines."

SHOW MEN EXCUSED FROM GYM

Mr. Kanaly has cleared up the misunderstanding of Gym excuses for Show men and has posted a list of men who have been excused since a week ago last Monday. If the name of anyone connected with the Show is not on the list, it is because he has not handed his name to Mr. Kanaly.

There have been no Show rehearsals the first part of this week; however, the Orchestra will practice today in the Caf, and the Cast in Room 1-190. Pictures which were taken a week ago Sunday may now be ordered at the Show office.

HUNDRED MORE SIGN NOTE TO PRESIDENT

Desire to Enter Protest Against
Subjugation of American
Rights Without Which the
Nation Has no Right to Live

275 NAMES NOW AFFIXED

The message to the President and Congress, which was placed on the bulletin in the main lobby and which supports our country's foreign policy, is still being held up for more signatures. The document follows:
"To the President and the Congress of the United States:

"We, the undersigned students of the Massachusetts Institute of Technology, append our signatures in the desire to enter our protests against the subjugation of our American rights to any nation's domination (German or otherwise). In the protection of our national rights and the defense of our national honor, we wish to assure the President of these United States of America and the Congress, which body has been created to represent us, that they have our most hearty support, and in this crisis we look to them, our representatives, to take whatever steps are necessary to guard these our sacred rights and honor, for without these rights and honor our Nation has no longer an excuse to live."

A similar petition has been arranged lately, which was confined to the Faculty alone, and will soon be brought to the notice of the Executive and the Congress. It is the purpose of these petitions to have the Faculty and students express their agreement and support to the matter as set forth. H. S. MacKirdy '19, chairman of the committee promoting the movement expects that a large part of the student body will sign the message before it is transmitted to the capitol. The signers have increased from one hundred and eighty-five to two hundred and seventy-five in the last three days.

PLANNING FIELD WORK FOR ENGINEER CORPS THIS SPRING

In order to give the members of the Engineering Corps some experience similar to actual field work, several trips are being arranged for the corps to take out into the country surrounding Boston. These trips will be arranged to last over Saturday and Sunday, and so the men will be required to take their full camp equipment along and sleep in their tents at night. The work to be done will consist of bridge building, pioneer work, map-making and reconnaissance.

The corps will also take two trips to Fort Standish, where the men will be taught how to use the different kinds of explosives. While none of these trips are compulsory, nevertheless it is hoped that all of the men in the corps will take them, as there is much good experience to be derived from them.

THERE WILL BE AN IMPORTANT NEWS MEETING IN THE OFFICE OF THE TECH TODAY AT 1.05 O'CLOCK.

CALENDAR

Wednesday, March 14, 1917

- 4.00 P. M.—Crew Practice. Newell Boat house.
- 5.00 P. M.—Rehearsal Tech Show Orchestra. Caf.
- 5.00 P. M.—Rehearsal Tech Show Cast. Room 1-190.
- 5.00 P. M.—Meeting of 1919 Technique Electoral Committee. Room 4-138.
- 6.00 P. M.—Finance Committee Dinner. Caf.
- 6.00 P. M.—Deutscher Verein Dinner. Caf.
- 7.00 P. M.—Finance Committee Business Meeting. Room 2-190.

Thursday, March 15, 1917

- 1.30 P. M.—Crew Meeting. Room 4-108.
- 4.00 P. M.—Crew Practice. Newell Boat House.
- 5.00 P. M.—Rehearsal Tech Show Cast. Room 1-190.
- 6.30 P. M.—Sophomore Dinner. Caf.
- 7.15 P. M.—Rehearsal Tech Show Chor. Room 1-190.
- 7.30 P. M.—Pack and Paddle Talk. Civil Engineering Museum.