

THE TECH

VOL. XXXV. NO. 26.

BOSTON, MASS., MONDAY, OCTOBER 11, 1915

PRICE THREE CENTS.

M. E. SOCIETY TRIP TO NEW INSTITUTE

Inspection Made Last Saturday
Of Construction Work At
The New Site.

Last Saturday 162 men met at Stone & Webster's office at the new site and were shown over the buildings by members of the M. E. Department or by superintendents having charge of the construction. The body of men was divided into eleven squads of from ten to fifteen men each, each squad having its own instructor.

Although no permanent machinery has as yet been installed, enough of the construction work, piping, ventilating, and wiring has been done to give an idea of the magnitude and thoroughness of the work. Perhaps the most interesting of the buildings is number seven, which is to be the home of the Mechanical Engineering Department. The basement contains two large canals, which are to be used for hydraulic testing and to supply the condensers. On the first floor are to be the steam testing units, most of which is new equipment. The other floors contain the machine laboratories, lecture rooms, wood working shops, and drawing rooms, designed to take care

(Continued on Page Three)

COSMOPOLITAN CLUB

Seventy Men Attend Entertainment—Meeting Wednesday.

About seventy men attended the first entertainment of the Cosmopolitan Club last Saturday night. Speeches were made by Professor Seaver, Mr. Blackstein, Mr. Ritchie, and Dean Burton. H. Wu played a selection on the Chinese violin, or H Who-Shen. Refreshments were served at the close of the meeting.

A business meeting of the Club will be held next Wednesday, Oct. 13th, at 5.00 o'clock, in 8 Eng. C. The chief purpose of the meeting is to elect a Vice-President, in place of R. Beaver, resigned, and to elect members of the various committees for the coming year.

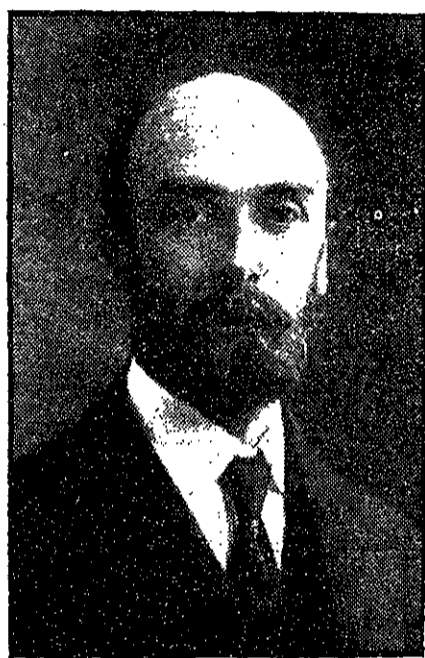
SOPHOMORE SMOKER

The Class of 1918 is showing such a lack of spirit this year in preparing for Field Day that it was decided in the last Governing Board meeting to hold a smoker this Friday at 7.45 o'clock in the Union. The purpose of this gathering is to work up a little more enthusiasm among the members of the class and to get more candidates for the teams. There will be some good speakers and smoking materials will be supplied.

OPENING DINNER OF CHEMICAL SOCIETY

A. D. Little And Members Of
The Faculty Address Gathering
Of Record Size.

The Annual Dinner of the Chemical Society was held Friday evening at the Tech Union. The number in attendance—193—was the largest in the history of the organization, and the remarkable enthusiasm shown promises a most successful year.



DOCTOR HENRY P. TALBOT

President R. E. Wilson, '16, introduced as the speaker of the evening Mr. Arthur D. Little of the firm of A. D. Little, consulting chemical en-

(Continued on Page Three)

SHOW CANDIDATES

Competition For Business Dept.
And Publicity Manager.

All men who expect to write for the show will meet Wednesday at 5.00 o'clock instead of tomorrow. Sophomores and freshmen candidates for the business department will meet Business Manager C. H. M. Roberts Friday at 5.00 o'clock. Sophomores who intend to enter the competition for First Assistant Publicity Manager are to report this afternoon at 5.00 o'clock in the Show office.

E. E. SOCIETY TRIP

The first trip of the Electrical Engineering Society will be made to the Edison "L" Street Station next Wednesday, Oct. 13th. The men will leave from Lowell Building at 2.00 o'clock under the direction of H. L. Bickford. The sign-up papers will be posted on the E. E. Society board in Lowell Building, the number in the party being limited to twenty-five.

FRESHMEN DEFEATED BY BROOKLINE HIGH

Reis Makes Fifty Yard Run For
Touchdown—Need Felt
For More Backs.

Although the freshmen lost their first football game of the season last Saturday to Brookline High, by the score of 14 to 7, they are still confident that they have a good chance to win on Field Day. The 1919 eleven had only a few weeks to prepare for the game while the Brookline team had already proved its strength by winning three games. The touchdown for 1919 was made by Reis, who intercepted a pass in the fourth period and ran fifty yards for a tally. The line-up of the freshmen was as follows: r.e., Rasmussen; r.t., Strobridge and Hughes; r.g., Wales; c., Clarke, l.g., Winslow; l.t., Root; l.e., Kaupe; q.b., Reis and Young; r.h.b., Thomas and Hughes; l.h.b., Young and Dean; and f.b., Page. The management of the first year team still feel the need for more backfield candidates and desires that any heavy, speedy men who are not yet out should report this week at practice.

The Sophomores will have their first game Saturday against Waltham High at Waltham.

The two tug-of-war teams will alternate in using the Gym and Oval to practice on this week. This afternoon 1919 will have the Oval. There will be no practice tomorrow.

M. E. SOCIETY SMOKER

Prominent Men Will Address
First Meeting.

The annual "get-together" smoker of the Mechanical Engineering Society will be held this week Thursday in the Union. Professors Miller and Hayward of the Department will speak, together with Mr. A. B. Carhart, superintendent of the Crosby Steam Indicator Co. According to custom refreshments will be served.

All men in courses II, X and XV (Option 2) are requested to participate in this meeting. "Get acquainted better" meeting from 7.30 to 8.00, at which time the speaking starts.

PROFESSOR HONORED

Professor C. H. Peabody of Technology has received a letter from Baron Chinda, Japanese Ambassador to Washington, stating that the Emperor of Japan has conferred on Professor Peabody the Imperial Order of the Rising Sun, third class. Accompanying the letter was the insignia of the Order.

FIRST ISSUE OF THE MONTHLY OUT TODAY

Stories On Surveying Experiences
And Silver Mining—
Issue Has Fifty-six Pages.

The November issue of the Monthly appears today. Among stories of particular interest is an article by Mr. P. S. Donnell on coast survey experiences in Alaska and the Philippines. There is also a description of silver mining methods in Northern Ontario written by an alumnus who is manager of one of the companies engaged in the work. Both articles

(Continued on Page Four)

C. E. SOCIETY

Professor Whipple To Speak At
First Meeting.

The Civil Engineering Society will hold its first meeting on Wednesday at 7.45 P. M. in the Union. All Sophomores in courses I and XI, and all summer camp men, are invited.

Professor Whipple of Harvard will speak on Sanitary Engineering, and Professor Breed of the Institute will give an address on Railroad construction.

GLEE CLUB TRYOUTS

All men who did not have an opportunity of trying out last Friday are requested to report today in the Union at 4.30 o'clock. A list of the successful candidates will be published in The Tech and rehearsals will start next week.

ALL COPY AND NOTICES FOR
WEDNESDAY'S ISSUE OF THE
TECH MUST BE IN THE TECH
OFFICE BY 12.00 NOON TUESDAY.

CALENDAR

Monday, Oct. 11, 1915.

12.30—Meeting of Chess Club Executive Committee. Room A, Union.
4.00—1918 Tug-of-War. Gym.
4.00—1919 Tug-of-War. Oval.
4.00—1918 Relay. Tech Field.
4.00—1919 Relay. Tech Field.
4.00—1918 Football. Y. M. C. A.
4.00—1919 Football. Tech Field.
4.15—Naval Architecture Society Meeting. 32 Eng. C.
4.30—Glee Club Trials. Union.
5.00—Candidates for Asst. Publicity Manager. Show Office.

Wednesday, Oct. 13, 1915.

1.05—News Men Meeting. Lower Office.
1.30—M. I. T. Forum. Union.
2.00—E. E. Society Trip.
5.00—Meeting of Writers of Tech Show. Show Office.
5.00—Business Meeting of Cosmopolitan Club. 8 Eng. C.
7.45—C. E. Society Meeting. Union.

THE TECH

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MONDAY, OCTOBER 11, 1914.

That the scientific method may be applied to human beings, as well as to bridges and chemical reactions, has only recently been realized. For example, it has been found that the curve of probability of accidents in a large factory rises rapidly toward the end of the day, thus giving a fair determination of the number of hours the working day should include to obtain the maximum of efficiency. The grasp of such principles as these are as important to the engineer as a firm theoretical foundation, and practically the only way in which students at Technology have of availing themselves of this information is by attending the talks given here from time to time by various industrial experts.

"THE IMMIGRANT."

The T. C. A. talk Thursday will be given by Dr. Peter Roberts of New York, the immigration specialist. Dr. Roberts is the author of "The New Immigration" and "English for Coming Americans."

CHESS CLUB MEETING

The Chess Club's first meeting was held last Friday, most of last year's members being present as well as several new men. Officers were elected, as follows: President, D. E. Woodbridge, '16; Vice-President, W. W. Drummey, '17; Secretary, A. N. Pray, '18; Members Executive Committee, besides the last-named, C. M. Dean, '17; W. H. Costelloe, '18; A. B. Sanger, '18. Membership cards were issued to those present.

PRIZE FOR THESIS ON PLUMBING SYSTEMS

Waddill Catchings Offers \$200—Harvard And Technology Men Eligible.

Last year Mr. Waddill Catchings (Harvard A. B. 1901; LL.B. 1904) offered a prize of \$200 for the best thesis on any subject related to house plumbing or the materials used in plumbing systems. This prize was awarded to Mr. Will Goettling, Harvard 1916.

Mr. Catchings kindly offers this prize again with the stipulation that the thesis shall relate to some original study. The contest is open to any student in Harvard University or the Massachusetts Institute of Technology. The subject must be approved in writing before November 15, 1915. The thesis must contain from 5000 to 10,000 words exclusive of tables and drawings, and three typewritten copies must be handed in on or before May 1, 1915. Further information may be obtained from Professor Whipple either at 212 Pierce Hall, Harvard University, or Room 46a Engineering Building A, Massachusetts Institute of Technology.

PROF. GEORGE C. WHIPPLE,
Harvard University;
PROF. DWIGHT PORTER,
Mass Institute of Technology;
MR. GIFFORD LeCLEAR,
Lecturer, Harvard University;
Committee.

RIFLE CLUB

First Shoot At Walnut Hill—Two Trips This Week.

The Rifle Club held its first shoot of the season at Walnut Hill Saturday, twenty men taking part in the practice. All three ranges available were put into service, the older members using the three and five hundred, and the new men the two hundred yard range.

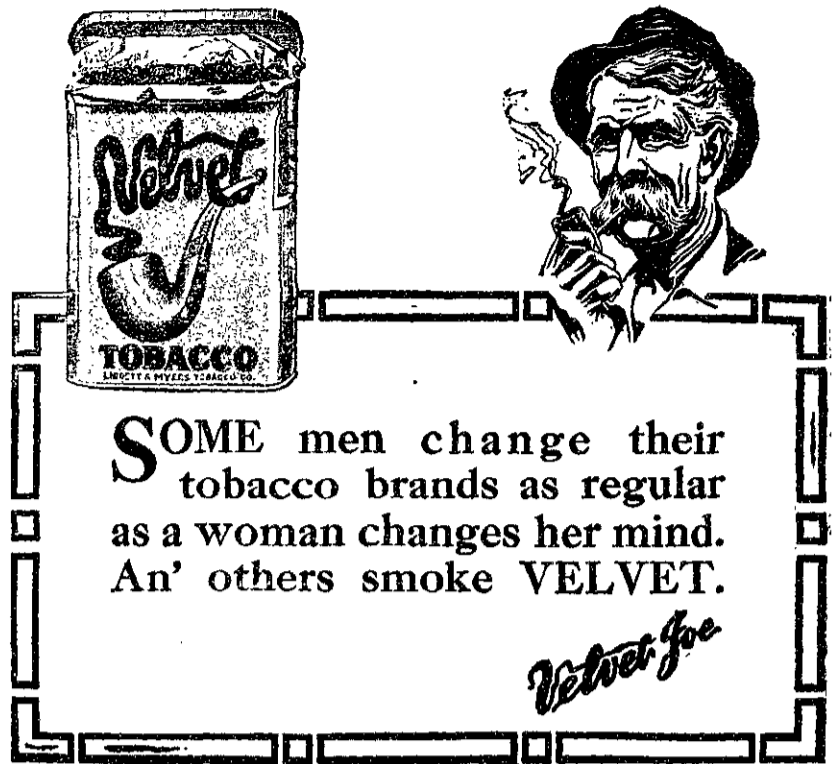
On the two hundred, A. S. Johnson led the field with a total of 45. At the three hundred T. M. Knowland was high man, and on the five hundred F. L. Butterworth of last year's team came out first, each making a score of 45.

There will be two parties this week, one Wednesday and the other Saturday. A list of all men eligible for Wednesday's party has been posted on the Union bulletin board, and members desiring to make this trip should check off at once. Twenty-five men may be accommodated. The men who are to take out the rifles will be designated before 5.00 o'clock tonight.

There will be no trip tomorrow, Columbus Day, as range facilities will not be available.

SUFFRAGE SPEAKER

The M. I. T. Forum has secured Mrs. Teresa A. Crowley, one of the foremost leaders of the suffrage movement in this state, to address the students on the subject of Woman Suffrage. Mrs. Crowley will speak in the main room of the Union at 1.30 on Wednesday of this week.



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CHEMICAL SOCIETY
(Continued from Page One)

gineers. Mr. Little graduated from the Institute in 1884, was a member of the first staff of The Tech, and is an ex-president of the American Chemical Society.

Taking as his subject "Chemical Engineering as a Profession," Mr. Little said that the world was made up of matter, energy and people. To be successful, the engineer must consider all three. The chemist is too apt to think only of the matter and energy, and forget all about the people. In this way he decreases his own usefulness, because a knowledge of men is absolutely necessary for success in any kind of business relations. The Institute supplies the technical training, but it is up to the student himself to get his knowledge of human nature.

During the next twenty years the chemical industry will have a wonderful increase. There are evidences of this being brought out every day. Chemistry is the most fundamental of all the sciences, as it deals with everything of which we know. Whereas now there are, perhaps, three hundred chemical engineers, ten thousand are needed to cope with the problems confronting us.

Mr. Little gave a number of personal problems he had encountered. Upon graduation he obtained a position as a clerk and chemist in a sulphite pulp mill. He had been there only a short time when the inventor of the process and the engineer left, and he was put in charge of the mill. His difficulties were many, but he succeeded in overcoming most of them, and made a reputation as a patent expert.

The chemical engineer, the speaker said, could reasonably expect upon graduation from \$65 to \$75 a month; after two years, from \$1200 to \$1500 a year; after five years, from \$1800 to \$2400. After five years the personal equation of the man comes more into play, and his future advancement depends upon his application to the work, his business ability, and his power to deal with men. But the first two years should be devoted exclusively to the gaining of experience, for chemists and chemical engineers are supposed to be managers rather than employees.

Dr. Talbot then spoke on "Made in America Chemistry." He gave an account of the early work of the American chemists, and stated that in this country at the present time the science was so far advanced that American scientists could publish the results of their work in the American engineering journals and command attention from the whole world, instead of having to go abroad to gain this end.

Prof. Talbot described briefly the research work being carried on in the different universities throughout the country and showed the great value of this work in the advancement of the science. He added that, although we owe a very great debt to Germany for the careful and conscientious work her scientists have done in the past, we in America are now more than able to stand on our own feet.

Dr. Walker, the next speaker, gave a short talk on "The Signs of the Times," saying that the present op-

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portunities have never been surpassed, but that to gain the best ends, the scientist must develop more in outside interests, and general knowledge of affairs.

President Wilson then announced the program for the year, somewhat in detail, and brought the meeting to a close with the singing of the Stein Song, after which 151 men filled out membership application blanks.

M. E. SOCIETY TRIP
(Continued from Page One)

of a fifty percent increase in registration.

Construction work is well along on the new power plant which connects with building nine by means of a tunnel under Vassar street. All coal is to be handled mechanically, direct from the cars. The equipment will include boilers of 2000 H. P. capacity in 300 H. P. units.

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MONTHLY OUT
 (Continued from Page One)
 are well illustrated. President A. C. Humphreys, of Stevens Institute of Technology, has an article on "Over Regulation," which subject has aroused great conflict between the Federal Government and the large corporations.

The illustrated section contains the latest photograph of the new Institute and shows the principal events which took place in the spring meet with Bowdoin and in the N. E. I. A. A. There will be four pages of cartoons in the humorous section depicting the doings of Technology men during the summer and the impressions which new men are supposed to have upon entering the Institute.

There will be a new page entitled "Faculty Honors." The man considered in this issue will be Professor A. A. Noyes of the Research Laboratory of Physical Chemistry.

SOCCER TEAM

Enough men signified their intention last spring to come out for a Soccer team to make it seem safe to arrange a schedule of games. Five games were secured, the first with Harvard Oct. 23.

Only four or five men have been reporting at the Oval in response to the call for candidates. Unless a larger response to the call is met with the management will feel compelled to cancel the schedule.

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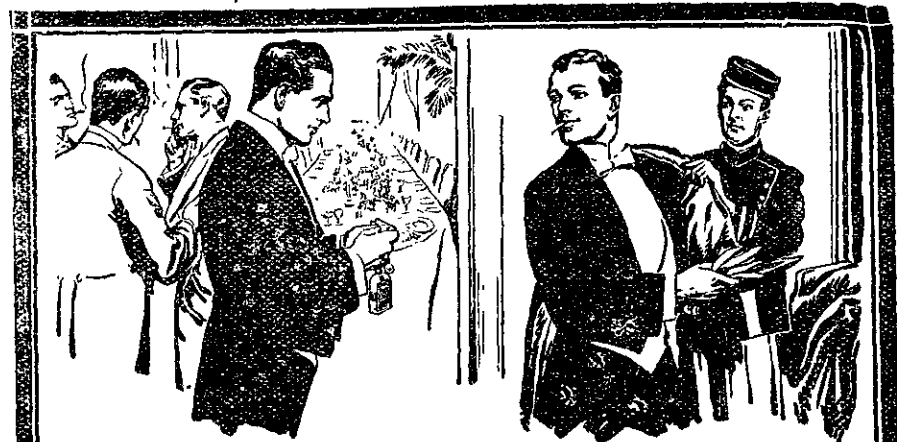
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FRATERNITIES
 Correct Directory Published By Request.

At the instigation of several of the Fraternities the following corrected list of addresses is hereby furnished.

- Alpha Tau Omega, 30 Newbury St.
- Beta Theta Pi, 179 Bay State Rd.
- Chi Phi, 44 The Fenway.
- Delta Kappa Epsilon, 215 Newbury St.
- Delta Psi, 80 Charles River Rd.
- Delta Tau Delta, 234 Newbury St.
- Delta Upsilon, 1069 Beacon St.
- Kappa Sigma, 261 Newbury St.
- Lambda Chi Alpha, 535 Newbury St.
- Lambda Phi, 291 Harvard St., Brookline.
- Phi Beta Epsilon, 237 Beacon St.
- Phi Gamma Delta, 12 Newbury St.
- Phi Kappa Sigma, 203 Bay State Rd.
- Phi Sigma Kappa, 16 Exeter St.
- Sigma Alpha Epsilon, 1004 Beacon St.
- Sigma Chi, 1067 Beacon St.
- Theta Chi, 916 Beacon St.
- Theta Delta Chi, 80 Bay State Rd.
- Theta Xi, 283 Newbury St.



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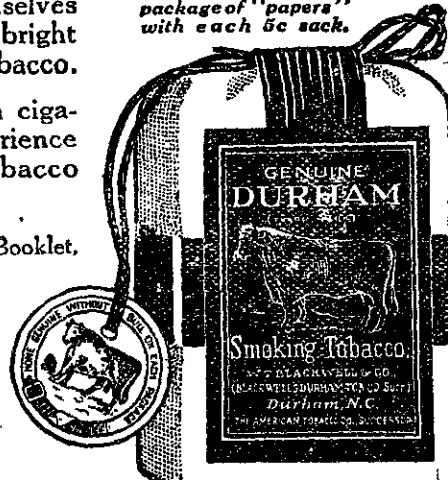
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