

THE TECH

VOL. XXXV. NO. 82

BOSTON MASS., MONDAY, MARCH 20, 1916

PRICE THREE CENTS



Tomorrow night entries in the Cash Prize Contest will be closed. Some time before the end of this week the award will be announced. It is not too late to start on your slogan title.

Remember the conditions:

Not over twenty words;
Suitable for undergraduate slogan for the Reunion;

Paper 8x11. Title, name, course, year, address:

Address Reunion Prize Committee;

Time limit, Tuesday night at midnight;

Prize, five dollars in gold.

WESLEYAN DEFEATED

Previous Wins Spur Mermen To Outswim Opponents

Backed by a clear record the Technology swimmers journeyed, last Saturday, to Middletown, where they defeated Wesleyan by a score of 30 to 23. The relay race was by far the most exciting of all the events, as Foster won by only a fraction of a second. The plunge by Wales established a new record for the pool in which the meet was held. The events were as follows:

160-yard relay—Won by M. I. T. Time 1 min., 23 sec.

Dive—Won by Kynett. Hahn second, Wood third.

40-yard dash—Won by Foster. Turner second, Untersee third. Time 20 sec.

220-yard dash—Won by Root. Buswell second, Bolan third. Time 2 min., 54 1-3 sec.

Plunge—Won by Wales. Barrows second, Eagles third. Distance 60 ft.

1000-yards swim—Won by Turner. Foster second, Untersee third. Time 1 min., 4-5 sec.

T. C. A. ELECTIONS

Thursday, March 23, the annual election of officers of the Technology Christian Association will take place. Nominations for President, Vice-President, and Treasurer must be signed by five members, and are due at the Secretary's office, Room 5, Eng. B., this afternoon.

TECHNIQUE TREASURER

Richard A. Wilkins was elected last Thursday to the office of Treasurer of Technique 1918. Wilkins is a member of the Phi Beta Epsilon fraternity, and is a graduate of the Chauncy Hall School.

TECHNOLOGY'S GREATEST SMOKER

24th

FRIDAY EVENING THE NIGHT OF BIG EVENTS

March 24th is only four days off. On Friday evening there will be held in the Union the greatest all-Technology smoker which has ever been attempted. No effort has been spared to make this smoker attractive to the students; no effort will be spared in influencing every man of the Institute to be there. It will be a big meeting for a big purpose. The alumni have worked long and untiringly in their plans for the great Reunion, and now they are calling on the undergraduates as a body to share with them both the responsibility and the glory of the most wonderful college pageant and reunion which has ever been held in this country. The alumni appeal to the students to come to the Union Friday night and to catch from them some of the spirit which has made this possible.

President Maclaurin will attend the smoker and explain the importance of undergraduate participation. Professor Ralph Adams Cram, who is in charge of the pageant, will ex-

plain in detail the magnitude of the affair, and the important part the students must play to make it a great success. Mr. I. W. Litchfield, '85, the secretary of the Alumni Reunion Committee, will be present and give some insight as to the plans of transporting, housing, and amusing the five thousand graduates who will be present.

The chairmen of the various committees will be there to explain their programs. The great nautical pageant in the Charles River basin with its numerous gaily decorated craft and tons of red fire; the plans for dressing all of Boston in cardinal and gray; the great procession attending the transfer of the official documents from old Rogers to our new home; all will be brought to light for the first time. It is hoped by the committee that every man in Technology will be present on Friday night and demonstrate to the alumni that the Institute's glorious achievements are as dear to the students of today as to those of former years.

EXHIBITION MEET

Gym Team To Meet Tufts Tuesday At Medford

The Gym Team will meet the Tufts Team in an exhibition meet tomorrow night at Medford. The team has made good progress since the Triangular Meet with Dartmouth and Harvard. The Brown Meet was evidence of this. G. A. Inglis '18 is improving at tumbling and bids fair to become a consistent point winner. J. M. White '17 has made progress on the parallel bars and side horse, while W. B. Ford '17 is expected to place in club swinging. J. W. Kilduff '18, M. F. Lichauco '19, and E. Webber '19 have shown improvement on the rings. Good work is expected of Captain Bliss '16 on the rings and horizontal bar and of Manager Mendelsohn on the horizontal bar. The full team will take part in the meet.

TECHNIQUE 1918

The competition for Assistant Art Editor of Technique 1918 will commence today. The competition is open to second year men only. The competitors will be required to submit two small headings two and a quarter by nine and a half inches and one full page drawing nine and a half by thirteen and a half inches, to be chosen from the following subjects: Administration, Officers, Statistics, Indoor Meet, Acknowledgments, Mining Engineering Society, Officers of the Institute, Field Day, Senior Week, and Frontispiece, of which the last four are to be full page illustrations. The small headings must be in pen and ink while for the large plates pen and ink, charcoal, chalk or wash media, may be used. Drawings will be due Monday, April 17, at 5.00 o'clock and are to be left at the Cage or at the Technique offices.

S. A. R. BANQUET

The annual banquet of the Boston chapter of the Sons of the American Revolution held last Friday night at the Hotel Oxford was the scene of a military display in which members of the Technology regiment took an important part. Four men acted as bearers of the four standards of the society. Captain Dennen carried the national colors; Sergeants Adams, Stewart, and Garnsey carried the State, S. A. R., and Betsey Ross flags.

SOPHOMORE BANQUET

Great Expectations For Dinner Of Class Of 1918 March 30

The Sophomores are looking forward to a unique celebration at their annual banquet to be held March 30. Little information concerning the plans of the committee is forthcoming as it maintains strict reticence, and has only announced a few of the minor details, such as the engagement of the best colored cabaret in the city. The affair is being given publicity in such a way as to reach all the class most effectively by the sending of postal cards to each individual. The committee, consisting of J. T. Leonard, chairman, O. D. Burton, J. W. Clarkson, and P. M. Dinkins, is preparing an extensive program for the evening, and declares that the high-water mark for attendance, set by the freshmen at their recent dinner will be surpassed. Tickets are on sale at the Cage and by one man in each section. Price 75 cents.

TECHNIQUE OFF TO SEA

Half a ton of Technique,—or, to be exact, thirteen hundred pounds,—left Boston yesterday on the afternoon boat for Philadelphia. The consignment, which consists of the fraternities and societies section, was shipped to the Wright Engraving Co., which furnishes the steel engravings.

The entire section will be bound in the book this year, instead of being partially sewed in as heretofore, the reason being that the Board wishes to eliminate the feature previous volumes have shown in cracking between the inserts.

SHOW REHEARSALS

The ballet of the Show will rehearse this afternoon at 5.00 o'clock in the Union Dining Room.

On Tuesday at 4.00 o'clock the cast will rehearse scenes four and eight, and at 5.00 o'clock scenes three and two, in 6 Lowell.

MENORAH SOCIETY

There will be a meeting of the Menorah Society tomorrow at 4.15 o'clock in Room 11, Eng. B. Mr. Martin M. Lowenthal of Harvard University will address the society, his topic being "The Jew in Colonial America."

INSTITUTE BUTTONS OF ORIGINAL DESIGN

Different Arrangements of Colors In Use—Button Of French Manufacture

Those students who have been inquiring whether the new Technology buttons have arrived need do so no more. They are now on hand and may be obtained at the Bursar's office, the Alumni Association office, or at Maclachlan's at the price of twenty-five cents.

The new buttons are the same size as the old ones, the design only having been altered. Instead of the all-over striping in cardinal and gray previously used, the button now shows an outer ring of the cardinal and a gray inner circle. The long delay in the appearance of the buttons is due to the fact that they are made in France.

The original purpose of adopting a button of this kind, as suggested by Major Cole and the Alumni Association, was that students and Alumni of Technology might quickly identify each other by means of a distinguishing pin or button wherever they might meet. Enamel, silver, and gold pins are so commonly worn by students of other colleges, that the idea of adopting a badge of this type was immediately given up.

There are very few schools in the United States that have a cloth button like the new Technology buttons. Probably the best known of these few is Annapolis. The French Legion of Honor has also adopted a similar emblem.

The members of the Society of Colonial Wars wear buttons so nearly like the old Technology buttons, that
(Continued on Page Three)

SPECIALTY DINNER

Course XV Men May Not Dine At Engineers' Club

The plans of the "Specialty Dinner" for the Course XV Juniors may have to be changed in one particular. The management of the Engineers' Club has added a considerable expense for the use of a piano, so that the place of the Dinner will probably be one of the hotels. The newest Course of the Institute, as yet unorganized in a social way, is unable to meet the extra expense.

The Dinner Committee has made no definite decision as to the place but desires to announce that all other plans will be carried out on the evening of March 23 as arranged.

SOPHOMORE BASEBALL

Candidates for the Sophomore baseball team will report at the Gym every day at 1.00 o'clock, bringing gloves. The first game is three weeks off and men trying out will be judged partly on their attendance. Practice will be held daily at 1.00 o'clock.

CALENDAR

Monday, March 20, 1916.

1.00—Sophomore Baseball Practice. Gym.
4.30—Crew Practice. B. A. A. Boat-house.

5.00—T. C. A. Nomination Ballots Due. 5 Eng. B.

5.00—Ballet Rehearsal. Union Dining Room. Room B.

6.30—Musical Clubs Leave for Lynn Concert. Front North Station.

Tuesday, March 21, 1916.

1.00—Sophomore Baseball Practice. Gym.

1.30—M. I. T. Forum Talk. Union, Main Room.

4.00—Show Cast Rehearsal. 6 Lowell.

4.00—Mandolin and Glee Club Rehearsal. Union, Room B.

4.15—Menorah Society Meeting. 11 Eng. B.

4.30—Crew Practice. B. A. A. Boat-house.

THE TECH

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MONDAY, MARCH 20, 1916.

The interest taken by Doctor Noyes in the Chemical Society should be an inspiration to the managers of other professional societies here at the Institute. And this interest is not held by the Doctor alone but by practically all the men on the staff of the Department of Chemistry. The acid test of attendance at meetings shows the true metal. Friday night a most successful meeting was held jointly with the Harvard Chemical Society. Nearly one hundred and fifty students were in attendance. Two weeks ago at the meeting held at the Union the main room was literally filled to overflowing.

In contrast to these large gatherings the Electrical Engineering Society, for example, held a meeting on March 9 at which not more than thirty-five men were present, including Professor Comfort Adams. The meeting had been regularly advertised and the speaker himself, Mr. S. Farley Osgood, '97, is not only an eminently successful Technology alumnus but a man of great prominence in engineering circles.

(Continued on Page Three)



In looking over his stack of morning mail, the Lounger found the following communication, which seemed quite pertinent to him. He ventures to present it bodily to the Institute, at the risk of incurring the displeasure of his amiable communicant:

26 Park Rd., Belmont, March 17.

Dear Lounger:

Those interested in pathology might profitably spend some time in a study of the germ-cultures which first year students ostensibly seeking health through exercise, are forced to inhale from the floor of the Gymnasium. Of course many refuse to be convinced that there are any such things as microbes; but if there were, and if their absorption through lungs, hair and skin were the main object of physical culture, some of the present system of exercises could hardly be improved upon for the purpose. In the course of the "floor-work," every part of the body is brought into contact with a floor well decorated with splinters, and the dust beaten up by the movements is inevitably breathed in, as the students' heads are at floor level. Even the hair is not forgotten; everyone has an opportunity to lie flat on his back and play mop. These constant polishings naturally keep the floor from accumulating any obtrusive coating of dirt, but it is open to question whether even so trifling a peril of infection as exists herein for those taking the course may not seriously impair, or even vitiate, the beneficial results which otherwise might be expected from it.

A. W. K.

FACULTY NOTICE

The exercises of the Institute will be suspended on Wednesday, April 19.

By special vote of the Faculty the vacation of three days (which this year would follow April 19) is postponed two weeks, and will be Thursday, Friday and Saturday, May 4, 5 and 6.



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HOCKEY SEASON REVIEW**Lack Of Practice Puts Team At Disadvantage**

The Technology Hockey Team completed a not too successful season with the 7-3 defeat by Exeter on Washington's birthday. The team won one, tied one, and lost six games. The poor showing was due mainly to lack of proper practice, owing to the unwillingness of the Arena management to furnish suitable practice hours.

At the end of the season Clarence Cochrane, '17, of Melrose, was re-elected captain of the team. Kenyon Roper, '18, of Steubenville, Ohio, will be manager next year.

An early cold spell made it possible to play a game with the Winchester Hockey Club at Winchester on Dec. 11, which resulted in a scoreless tie.

Dartmouth was the next opponent. Because the Arena was late in opening the team had only two practice sessions before this game, and were no match for the strong Dartmouth team, fresh from two weeks on the ice at Hanover. The final score was Dartmouth 6, Technology 0.

New Year's Eve, Technology won a well deserved victory over the Amherst Aggies at the Arena. In this game the team showed wonderful improvement over their game with Dartmouth and the defence, composed of Captain Cochrane, Swain, and Johnson, successfully met every attack made by the strong Amherst forwards. Score: Technology 1, Amherst Aggies 0.

The first out of town game was played when the team went to Hanover January 8. Dartmouth expected an easy game because of their decisive victory earlier in the season but found Technology a much stronger team than on their former meeting and were forced to the limit to win by the score of 2 to 0.

At this time the team was in the best condition of the whole season as is evidenced by the showing made against Cornell on Jan. 12 at the Arena. The evening before, Harvard had found it no easy matter to defeat Cornell 2-0 and Cornell was very lucky to win from Technology 2-1. Cornell scored both its goals in the first half. In the second half Technology came to life and the play was around the Cornell goal practically the whole half. Only very remarkable work upon the part of Cornell's goal prevented the score from being tied and bettered.

Jan. 15 Yale was played at New Haven. For several seasons past Technology have always played their best game against Yale and this year was no exception. Although defeated 5-2 the game was much closer than the score indicates. The Yale goal had more stops than Johnson of Technology, which shows that the play was in the Yale half of the rink fully as much as in Technology's half.

The mid-year trip did not materialize on account of a warm spell. With absolutely no chance for practice since the Yale game on Jan. 15, the showing made against Williams at Williamstown Feb. 12 and Exeter at Exeter Feb. 22 was nothing more than could be expected.

The spirit of the team during the past season has been highly commended.

M. I. T. FORUM**John Spargo, Socialist Authority To Give Address**

Tomorrow at 1:30 o'clock the M. I. T. Forum talk will be given in the Union by John Spargo, an American writer on Socialism, considered perhaps the greatest living authority on the subject. Mr. Spargo's books are used as textbooks in practically all the colleges giving courses in Socialism. Owing to the limited time at his disposal, he will probably not speak on Socialism, but will select preparedness instead as his topic.

MUSICAL CLUBS' TRIP

The Technology Musical Clubs gave a concert at the Central Hall Club House in Somerville last Friday night. About two hundred people were present. One of the features of the entertainment was a Hawaiian trio played by the Technology men. After the concert, some of the young ladies selected the members of the clubs for their partners for the rest of the evening for cotillion dancing.

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EDITORIAL

(Continued from Page One)

What is the reason for the discrepancy in results? The number of registered students in the two departments is roughly the same. The relative stiffness of the Chemistry and Electrical Courses is the same, judged from the viewpoint of the amount of leisure time. After all, it is quite evident that the fullness or the meagerness of success of the professional societies depends largely on the efforts of various executive committees to maintain the interest of upperclassmen in their particular course. Such work is admittedly arduous but the satisfaction of accomplishing real ends should be incentive sufficient to keep flourishing organizations whose work is officially recognized by the Faculty and whose prototype is found in our justly famous national engineering societies.

NEW BUTTONS

(Continued from Page One)

a strenuous objection was made against students and Alumni of Technology using them. At that time the Institute had a large supply of the buttons on hand, so Major Cole made an offer to dispose of them to the Society at cost, but the offer was not accepted and the buttons were still retained for use by the Institute. When the old supply was exhausted, a committee looked into the matter of a new design with the result that we now have a distinctly Technology button.



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**JOINT MEETING OF
CHEMICAL SOCIETIES**

Doctor Richards Speaks on Radio-Active Lead At Harvard Union

Last Friday evening the second of the joint meetings of the Boylston Chemical Club and the Technology Chemical Society was held at the Harvard Union. Over one hundred Technology students were present, and the many members of the Boylston Club brought the total up to a considerable figure.

The occasion was the thirtieth anniversary of the founding of the Boylston Chemical Club. Doctor Richards of Harvard, the first speaker, welcomed the Technology visitors, and proceeded with a short history of the Harvard Society, of which he had been one of the original founders. He spoke of the prosperity of the club in past years, and of its help in fostering at Harvard the deep interest in Chemistry that has enabled the university to develop this science of "Unscrewing the inscrutable" to its utmost. He then took up "Radio-Active Lead" as the subject of his talk.

Dr. Richards explained the hypothesis, which is now commonly accepted, of the decomposition of Uranium, by the loss of electrons and successive atoms of Helium, through Ionium, Radium, Niton or Radium emanation, through Radiums A to G, and finally to Lead. All these substances behave chemically as elements, and each is lighter than the one preceding by an atom or two of Helium. The atomic weight of Uranium is 238, after it has lost eight atoms of Helium, atomic weight 4, it ceases giving off more helium, and assumes the form of lead. Its theoretical weight would be almost exactly 206. The best results of men working independently, with the purest possible specimens of radio-active lead have fixed its atomic weight at 206.08, which is near enough to the theoretical weight to verify the hypothesis. This eventual substance has chemical properties exactly similar to those of lead, but lead has an atomic weight considerably greater. This is the mysterious fact that has not been explained, and which leads one to believe that there has been opened up a large and entirely new field for Chemical Research.

Doctor Noyes, of the Institute, was the next speaker. He took as his subject "Research in America." He explained that the advancement of a particular science, especially as regards its industrial applications, depends upon the type of education that is afforded to workers in that field. The first nation to perceive the importance and real meaning of education, "the acquirement of power to solve problems," was Germany. Her universities gave their students the power of original solution by affording them practice at research. This fact explains her supremacy in scientific fields, notably in Chemistry. The United States, however, although backward in realizing the importance of this phase of education, was swift to adopt it when once fully awakened. Such excellent work in this line is being done in universities like Johns Hopkins, Harvard, our own Institute, and in the state colleges of California, Illinois, and others, that the exodus of students to Germany has been almost entirely checked. The spirit of research has even seeped through to many large industrial firms. The work of the laboratory of the General Electric Company at Schenectady has been especially noteworthy.

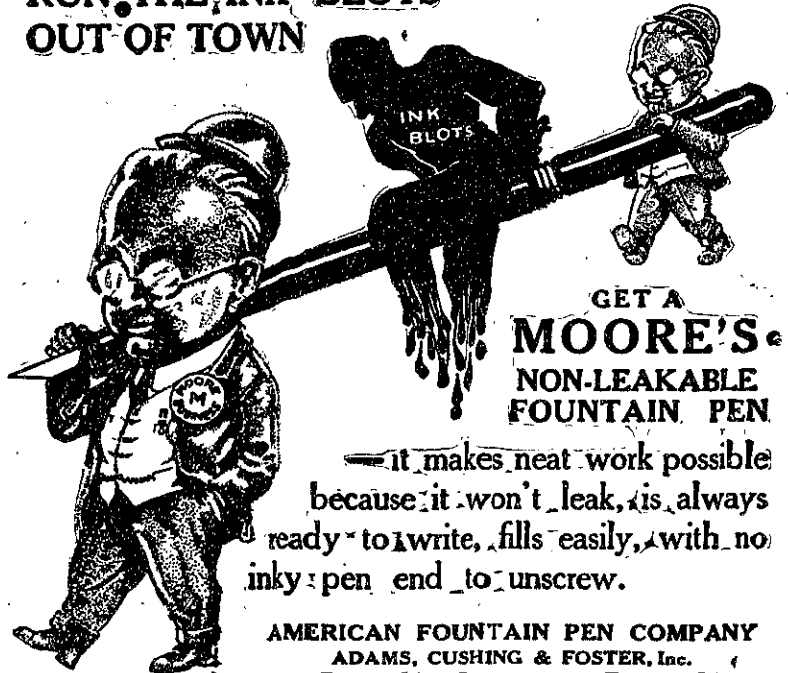
After the addresses, refreshments were served, and the men of the two institutions had an opportunity to become acquainted with one another.

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