

# THE TECH

VOL. XXXIII. NO. 53.

BOSTON, MASS., SATURDAY, OCTOBER 18, 1913.

PRICE TWO CENTS

## HARE AND HOUNDS TO RUN FROM MELROSE

Train Leaves North Station At 2.25  
—New Course To Be Tried.

This afternoon the Hare and Hounds Club will go to Melrose. It will run over a new course a trifle longer than that of last week. This course starts at the Melrose Y. M. C. A. and covers considerable field work together with a path through the woods. On the return the men will pass over a golf links and finally end at the Y. M. C. A.

Two squads will be run as usual, and the pace will not be too hard for any who have not had any previous training in this sort of work. The Y. M. C. A. has a very fine swimming pool which will be at the disposal of the men after the run.

The squad will leave the North Station at 2.25. Hare and Hounds tickets will be on sale from Chase Captain Peaslee at the entrance to the platform from which the train leaves.

## EDITORIAL CONTEST

Subject For First Editorial Is Announced.

Editorials to be entered in the Pi Delta Epsilon Editorial Contest should be in the hands of the committee Monday. The subject for the first of the editorials is "Dedistribution of Institute Vacations." The conditions of the contest are as follows:—

1. All editorials must have the name, class and address of the writer on each page.
2. Each editorial must be addressed to Pi Delta Epsilon, Contest Committee and left at the Cage or in the upper TECH office by 5 o'clock of the day on which it is due.
3. Each contestant must have written on at least seventy-five per cent of the subjects to qualify, and more credit will be allowed the contestant who writes on all subjects.
4. Contestants shall use their own judgment as to style and way of handling each subject, but shall refer to the editorial columns of THE TECH for the proper length.
5. Two subjects will be given out weekly during the first period of the contest, the first of which will be due on Tuesdays and the second on Fridays. The subject for the editorial due on Tuesday will be published Saturday and the second on Wednesday.
6. The information upon which editorials are based may be obtained from any source.
7. The manuscript of the editorials must be neat and present a good appearance.

## SOPH COMMITTEE

At a meeting of the Sophomore Governing Board yesterday noon E. Lucas, W. M. Shakespeare, and A. C. Storm were appointed a committee representing the class in making arrangements for "Tech Night" on Field Day. This committee will work in co-operation with the Institute Committee in the matter.

## HANDICAP TRACK MEET FOR THIS AFTERNOON

Captain T. H. Guething Wishes All Participants Present On Time.

The preliminary handicap meet to be held at Tech Field this afternoon promises not only to serve its purpose in assuring the complete success of the regular Fall Handicap Meet next Saturday, but also to be very successful in itself. In addition to the large number of freshman and sophomore relay candidates, all of whom are expected to compete, many men who have been out irregularly or not at all as yet have signified their intentions of entering. Those men whose ability is unknown will be given good marks that they may have an opportunity to show any possibilities.

The first event will be run off at 2.30, and all competitors should be on hand before that time in order to receive their marks. All the events on the regular program will be held, and any man may enter as many events as he pleases.

The sprints promise to be particularly interesting, as here a comparison may be made between the Field Day relay contestants. The field and weight events will also be closely watched, as they are expected to bring out some promising material. In the runs particularly, the regular track team members will have exciting brushes, as the relative abilities of these men are well enough known, so that they may be handicapped to make very close races.

## T. C. A. CABINET

Budget for Coming Year Approved  
—Large Appropriation Made.

The Cabinet of the T. C. A. had a meeting yesterday afternoon, and transacted some important business. The most significant business done was the passing on the budget for the year 1913-1915, proposed by the finance committee. By accepting the budget for the coming year, the T. C. A. Cabinet authorizes the expenditure of \$361, and the raising of the sum of \$461, of which \$100 is to be set aside as a permanent fund.

Among the items of interest are contributions to the State Y. M. C. A. and to the International Y. M. C. A., which co-operate with the T. C. A., and items covering speakers' traveling expenses, and socials.

In its financial affairs, the T. C. A. is dependent to a large extent upon the Alumni Advisory Board, but the Association has been making the effort to shoulder its own expenses as far as possible. This year in particular, the T. C. A. will try to raise its own money for covering necessary expenses, and whether its efforts will be successful will, of course, depend entirely on the support received from the student body. The T. C. A. is slowly but surely establishing itself on a firm and practically independent basis.

The cross-country men are getting their real work now.

## TWO SETS OF BALLOTS FOR SOPHOMORES

Governing Board And Balloting Committee Both Get Our Lists.

Two lists of candidates have been prepared by the balloting committee and governing board of the Class of 1916, respectively.

The resulting controversy will be left to the Institute Committee for settlement. The lists follow:

Balloting Committee's List:—

### For President

C. W. Lomis.  
H. G. Mann.  
K. M. Sully.

### For Vice-President

H. L. Bickford.  
P. H. Buxton.  
G. R. Duryea.  
G. M. Lovejoy, Jr.

### For Treasurer

S. R. Berkowitz.  
G. Roper, Jr.  
Wm. Shakespeare.

### For Secretary

H. B. Fuller.  
A. C. Lieber.  
W. V. Reed.

### For Executive Committee.

J. M. Evans.  
J. M. Heller.  
D. B. Webster.

### For Institute Committee

G. P. Allen.  
E. H. Clarkson.  
H. P. Claussen.  
M. P. Curtis.  
K. Dean.  
W. W. Drummey.  
P. H. Duff.  
H. P. Gray.  
R. Millis.

### For Athletic Association

G. Garita, Jr.  
L. T. Hill.  
L. Lawrason.  
N. MacRae.

Signed:

Olen C. Norris.  
Henry B. Shepard.  
Raymond Low.

(Continued on page 2.)

## MECHANICAL SOCIETY

Date of Smoker Changed—To be Announced Later.

October 23 or 24 has been set as the date for the smoker of the Mechanical Engineering Society. Arrangements have been made for a very enjoyable evening. Speakers will include members of the Department of Mechanical Engineering and others. The text of the talks will include a variety of subjects, some having direct connection with the courses being given at the Institute.

Members of Course II, and Course X, will be welcomed and the reception will be informal. Smokes and eats will be provided and a large attendance is expected.

That the T. C. A. talks are well appreciated is shown by the crowd that attends.

## CIVIL SOCIETY HOLDS INTERESTING MEETING

Prof. Breed Delivers Lecture—To Inspect New Paine Building.

Following the regular business meeting of the Civil Engineering Society last evening in the Union, Professor Breed of the Civil Engineering Department of the Institute addressed the Society on the subject of the Grade Crossing Elimination Work at Lynn, with which he has been identified.

Professor Breed opened by giving a brief history of the reconstruction work. He told of the disagreement between the town people and the railroad company. It was finally decided to have a two-track system and to have it elevated in place of depressed. The people of the town agreed to pay half the cost and the New York, New Haven & Hartford Company the balance.

During the lecture Professor Breed showed stereoptican views of the construction work, of the concrete work used on the bridge, and of a picture painted in advance to show the people of the town how the completed structure would look. The speaker explained that it was sometimes very difficult for a contractor to give laymen a good idea of the finished structure by the use of plans. In this case he had an artist paint over a picture of the main street and put in place the structure as it would be when completed.

He concluded by showing how this method might be used more often to make it easy for councilmen to understand contractors' plans and specifications.

Saturday, October 25th, the first section of the Civil Engineering Society will make an excursion to the  
(Continued on page 3.)

## FOOTBALL CAPTAIN

Hill Elected Captain Of Sophomore Football Team.

At a meeting of the 1916 Football Team this afternoon Lucius Hill, Course II, was elected captain on the second ballot.

Aside from the regular signal practice which took the greater part of the afternoon, special preparation was made for the game today. Several new plays were tried. In the absence of Allen, Roper was tried at quarter. His work was satisfactory and he may be played part of the game today. Several of the men are still out with injuries received in the Wellesley game.

## WEATHER

For Boston and vicinity: Saturday unsettled, probably rain; light variable winds.

## CALENDAR

Saturday, October 18, 1913.  
2.25—Hare and Hounds—Leave North Station for Melrose.  
3.00—Handicap Track Meet—Field  
3.00—Sophomore Football.

# THE TECH

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SATURDAY, OCTOBER 18, 1913.

The disagreement concerning the Sophomore nominations has reached such a point that the only fair course we can pursue is to publish the facts of the case as learned from both sides. They are, to the best of our knowledge, as follows:

Last Thursday two members of the election committee were waiting for the third member. At eight minutes before five o'clock, the closing time for nominations, a telephone message was received stating that papers had been filled for two more men, and asking if it would be all right to bring them in the following morning. The members said that personally they would like to see the nominations accepted, but could not answer definitely without talking it over with the other member. The party telephoning took this as an affirmative answer from a majority of the committee, and considered the matter settled.

On his arrival, they talked it over and decided to follow the constitution strictly and exclude the late nominations.

They telephoned this decision to the holders of the papers; it was then half-past five. The latter, thinking that since the papers could have been brought in, the names should be included, called in the president of the class, who peremptorily ordered the committee to suspend all operations until after the meeting of the governing board on the following day.

The committee, indignant at being called down for a plain discharge of their duty, thinking that the other side was playing politics, and understanding that the governing board was "planted" against them, made up the ballot as they thought right, posted it on the bulletins, and endeavored to have it printed in THE TECH. High words were used, and an amount of feeling aroused entirely out of proportion with the facts of the case.

The president took down the lists from the bulletin, an act to be excused, if not justified, by his high

feeling and belief that it was fraudulent, and sanctioned by an officer with authority. The committee, fearing a one-sided hearing before the board, did not come to the meeting; the latter, seeing all appearances against the committee, dissolved it and reversed its act, a proceeding of dubious constitutionality, particularly since they had not had a hearing.

Each side feels very much aggrieved by the attitude of and words of the other but each is coming to realize that the other acted in perfectly good faith. Both sides feel that the matter has gone too far for a settlement between themselves, as neither can withdraw honorably. The matter will in all probability be settled by the Institute Committee at a special meeting Monday or later; but whichever way the decision goes, it has been clearly shown that no dishonorable motives actuated either party.

## SOPHOMORE BALLOTS

(Continued from page 1.)

The List of the Governing Board follows:—

### For President

C. W. Loomis.  
H. G. Mann.  
K. M. Sully.

### For Vice-President

H. L. Bickford.  
P. H. Buxton.  
G. R. Duryea.  
G. M. Lovejoy, Jr.

### For Treasurer

R. S. Burnap.  
H. A. Hands.  
Wm. Shakespeare.

### For Secretary

H. B. Fuller.  
A. C. Lieber.  
W. V. Reed.

### For Executive Committee

J. M. Evans.  
J. K. Heller.  
D. B. Webster.

### For Institute Committee

G. P. Allen.  
S. R. Berkowitz.  
E. H. Clarkson.  
H. P. Claussen.  
M. P. Curtis.  
K. Dean.  
W. W. Drummey.  
P. H. Duff.  
H. P. Gray.  
R. Millis.  
G. Roper, Jr.

### For Athletic Association

G. Garita, Jr.  
L. T. Hill.  
L. Lawrason.  
N. MacRae.

The ballots will be sent out to the members of the class some time in the near future.

## ENGINEERING AND SCIENTIFIC NOTES

Attention is again called by the United States Geological Survey at Washington to the fact that it does not make analyses or assays of ores, minerals, or metals for private parties. Many specimens and samples are received by the Survey, accompanied by requests for such treatment, with which it is impossible to comply. The force of chemists employed in the Survey is small, and their time is fully occupied by their regular official duties. The Geological Survey has no facilities for making gold and silver assays. The most that can be done is for the Survey geologists to give an off-hand opinion based on a simple examination of the specimen.

If an assay is desired, the proper course is to employ a private assayer or to send the specimen to one of the Government assay offices, where a regular charge is made for such work. When specimens are sent to the Survey for examination, applicants should be particular to state whether they wish them returned, as otherwise they will be destroyed.

Those of us who have studied by the light of a hot student's lamp are willing to admit that artificial light is necessarily accompanied by considerable heat, and yet there is such a thing as perfectly cold light. Such is the light emitted by the glow worm for example. Professor D. Berthelot, in an article contributed to the Revue Scientifique, states that the energy curve of the spectrum of this light does not obey at all the laws of thermal radiation. The whole of the energy is visible, the infra-red and ultra-violet rays of the spectrum are entirely absent, although the luminous efficiency of the spectrum is accordingly 100 per cent. Prof. Berthelot says:

"The glow worm gives a solution of the lighting problem, taken from an order of phenomena totally different from those we utilize. Anatomical study of the creature shows us that the light giving organ, like the electric organ of the torpedo, is made up of a series of identical cellular elements, consisting of a photogenic layer traversed by an infinity of small air tubes through which oxygen penetrates into the tissues.

"Will our future lighting systems utilize similar processes? Will bodies be found endowed with as new properties as those of the rare earths utilized in the Welsbach mantle? Shall we see coming into use again the wicks of our old-fashioned oil lamps which, soaked by capillary attraction, will bring about contact between liquids capable of producing by their mixture—in the fashion of certain phosphorescent substances—a brilliant emission of cold light?"

We cannot predict what may be done in this line, but such discoveries would be no less marvelous than many others which have already been made in this scientific era.

Mountain climbing is a strenuous but agreeable pleasure to many people. Will this pleasure be lessened by the construction of mountain climbing railways like the one which is proposed for the ascent of Mont Blanc? A meter gauge combined rack and adhesion railway has been suggested for construction from Chamoinix to the Montagne du Couvercle by the way of the Mer de Glace. Part of the road is to be run with electric locomotives utilizing continuous cur-

rent at 1,500 volts and capable of pushing two carriages, containing eighty passengers in all. The building of such a railway will bring forth many problems for the master engineer.

The conditions of Boylston street this muddy weather is anything but pleasant.

A petition was circulated in Sophomore Physics lecture the other day asking for better ventilation of the room.

## ANNOUNCEMENT

TECH MEN: I wish to inform you that I am no longer at the Westminster Hotel Barber Shop, but now with the Copley Sq. Hotel Barber Shop, corner of Huntington Ave. and Exeter St., where I shall be pleased to meet my many Tech friends and their acquaintances and will be in a position to give them a first-class service in an up-to-date shop.

Respectfully yours,  
JAMES J. MURPHY.

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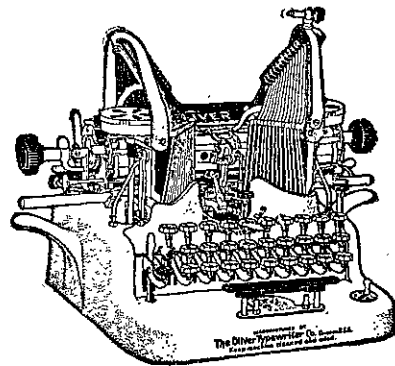
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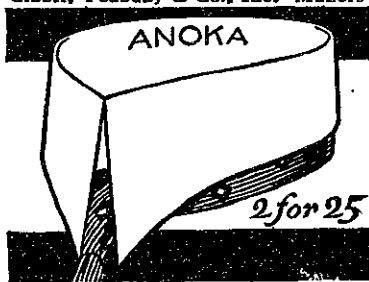
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## COLLEGE NEWS

Case School of Applied Science in Cleveland, Ohio, has adopted the Preferential System of voting for officers of the Senior and Junior classes.

A \$15,000 pipe organ is to be in the auditorium of the University of Illinois.

Undergraduates of Harvard recently turned in twenty-five thousand dollars as the initial contribution to the proposed two million dollar gym.

Illinois University will probably have the best photography department in the country when Mr. A. G. Eldredge, newly appointed head, gets the department into running order. The department is organized with the purpose of emphasizing the artistic and scientific side of photography.

Owing to lack of classrooms and laboratories, the number of freshmen at the Pennsylvania State College this year has been limited to 600. Of this number, 580 were entered without a single condition. This makes a new record for high scholastic standing. There are 748 new men in all classes. About 200 applicants were refused admittance. The total number of students is more than 2,200, an increase of more than 350 over the enrollment of last year. One thing very noticeable this fall is the absence of hazing. An anti-hazing rule was adopted by the Student Council last year.—Lehigh Brown and White.

## C. E. SMOKER

(Continued from page 1.)

new building of the Paine Furniture Company. Other parties will follow during the week.

The lower floors of the new building are completed and cinder concrete is being poured in the upper stories. The construction of this building is rather novel, no beams being used. In place of beams the concrete pillars are spread at the top into the form of an arch. This is called mushroom construction. These visits are made possible by the courtesy of the engineer in charge of construction work on Paine Building.

A few more waiters in the Union would be appreciated by the many that have to wait a long time to get served.

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**ARCHITECTS SOCIETY**  
**HOLDS BIG SMOKER**  
**Honoring New Members of the In-**  
**structing Staff—Many**  
**Present.**

The Architectural Society held its first meeting of the year last evening in the studio of the department. This affair was in the form of a joint reception to the new members of the faculty of the department and a smoker.

President Francis Whitten, '14, opened the meeting with words of welcome to the new men. He struck the keynote of the organization and the course in architecture in pointing out that the men connected with them were ever striving for progress and developing initiative.

He then introduced Professor James Knox Taylor, who first explained that Technology will not be represented in the Intercollegiate Competition this year because the ideals of Tech and the methods employed are so far ahead and different from those of the competition that it was unfair to ask the students to compete.

In the good things to come he outlined tentative plans for the student recreation rooms of the department when the new institute is built.

He then introduced Professor Edgar I. Williams, who spoke on the need of less individualism and a greater spirit of co-operation among the students of the course.

He stated that it is desirable for the students to crowd around the professors when the individual criticisms are given; for each man could take to heart any remarks that might be made which have a bearing on his individual problem.

The new Frenchman of the department, Professor Albert Le Monier, of the l'Ecole de Beaux Arts, then expressed his admiration for his conferees in the department and the pleasure he has had in dealing with the students. He also emphasized the value and need of greater co-operation among the students as far as criticisms go and pledged his ardent support to the students.

W. T. Aldrich, '01, who is connected with the firm of Bellows & Aldrich, down town, and who is now a special instructor of design, then spoke to the men on the development of taste.

Taste, he said, was good manners in architecture and is all a matter of reason. It is only developed by the individual, and receptiveness to criticism is a thing to be cultivated.

The next speaker was Charles Everett, of Harvard and the Beaux Arts, who is also teaching design. Architecture, he said, is as much a science as physics and mathematics and is a quintessence of god taste which lifts a man from out of the common run of scientists to the pinnacle of a true architect.

He emphasized that the Beaux Arts stood for simplicity,—that a "Frenchy" building is a simple one and not the popularly conceived ornate.

S. W. Mead, another teacher, then told of the value of academic training as taught here and stated that the Institution of a Rotch Scholarship first opened the eyes of the young men of the country to its value. He emphasized the advantages that a study of presentation would give.

Ross Turner then told of his trip to Paris last summer and he became enthusiastic enough to say that if a man goes abroad he should spend as much time as he can in Paris, and then if he has any time left over,

he should see other things. Professor H. W. Gardner was unable to be there and a letter of regret from him was read.

**MR. J. K. TRYON TO BE**  
**NEXT T. C. A. SPEAKER**

**"Mr. Bryan's Plan for World Peace"**  
**to be Subject of Talk**  
**Next Thursday.**

The Technology Christian Association announces that its next speaker will be Mr. J. K. Tryon, of the Massachusetts Peace Society, and of the World Peace Foundation. Next Thursday's speaker will make the third from the Peace Foundation. Two years ago, the T. C. A. secured a speaker from the Peace Foundation, and last year, the latter association supplied the T. C. A. with a speaker in M. Edward Privat. M. Privat's talk will very probably be well remembered by many of the students who heard him speak last spring on "What the World's Students Are Doing Towards Peace."

Mr. Tryon, who is a Boston man, will speak on "Mr. Bryan's Plan for World Peace." Wm. J. Bryan's plan for "World Peace" has attracted world-wide attention, and its many phases have been very rigidly discussed. Mr. Tryon will probably endeavor to outline to his audience the plan in general, together with its advantages and disadvantages, and with the various arguments for or against. The subject is such a universal one that it will undoubtedly be of unusual interest, and the T. C. A. considers itself quite fortunate in having secured Mr. Tryon as a Thursday noon speaker.

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