

# THE TECH

VOL. XXXIII. NO. 78.

BOSTON, MASS., MONDAY, NOVEMBER 17, 1913.

PRICE TWO CENTS

## MINING SOCIETY TO HOLD SMOKER TONIGHT

**Mr. Allen Rogers '90 To Be Speaker Of Evening—Men Of All Courses Invited.**

This evening Mr. Allen Rogers of the Hayden Stone Company will address the Mining Engineering Society at their smoker to be held in the Union at 8 o'clock. Mr. Rogers is a graduate of the class of '90, and during his twenty-three years of practice in the engineering fields he has acquired a large amount of experience and it will enable him to give the members of the Society a very interesting talk. The subject of the speaker will be "Methods of Financing."

The men of all courses are invited to the smoker, and as refreshments are to be served a large attendance is looked for.

## COSMOPOLITAN CLUB

**Committee To Report On Dance And On Chinese Night.**

Officers and members of the Cosmopolitan Club will hold a regular business meeting Wednesday, November 19th, at 5 o'clock, in Room 8, Eng. C. Among the important matters to be brought up will be the report of the Dance Committee. This report will cover the dance held at the Tuilleries, last Friday evening. The report of the Chinese National Chairman, T. Chang, will be read and discussed. The content of this report will be the program for Chinese Night.

The meeting is for both officers and members, and a record-breaking attendance is expected because of the importance of the business to be discussed.

## NAVAL SOCIETY

Tomorrow afternoon in Room 32, Engineering C, Mr. William H. Lincoln, a member of the Corporation, will give a lecture to the Naval Architectural Society on Marine Insurance. Mr. Lincoln is a member of the visiting committee of the Department of Naval Architecture and Marine Engineering, was for some time agent for the Leyland Line, and was formerly President of the Boston Chamber of Commerce. This lecture promises to be interesting, and all are invited to be present.

## 1917 CROSS COUNTRY

At the recent meeting of the Advisory Council it was decided that the Freshman Cross-Country Team is one of the class teams, and that therefore the class must pay its expenses. The approaching Andover meet makes immediate action imperative, and the matter will probably be taken up at a meeting of the Freshman Executive Committee today.

The time trials for the Freshman team will be held at the Gym Tuesday afternoon. A few men wanted the trials held on the Tech course, but Coach Kanaly says the Tech course is considerably longer than the Andover course, and could not be well covered before dark, to say nothing of its inconvenient situation.

## SOPHOMORE NOMINATIONS CLOSED SATURDAY

**Exceptionally Large Number Of Candidates In Running For Office.**

The Sophomore nominations closed Saturday afternoon with one of the largest lists of Candidates that has ever been received. The competition for membership on the Institute Committee and that for Vice-President is especially keen.

The complete list of candidates is given below:

### President

C. W. Loomis.  
H. C. Mann.  
A. F. Miller.

### Vice-President

H. L. Bickford.  
P. H. Buxton.  
H. F. Dewson.  
G. M. Lovejoy.  
B. Stetson.  
H. R. Stewart.  
D. B. Webster.

### Secretary

H. C. Fuller.  
A. C. Lieber.  
Miss E. Pattee.  
W. V. Reed.

### Treasurer

J. N. Burford.  
J. R. Freeman.  
W. M. Shakespeare.

### Executive Committee

G. R. Duryea.  
J. M. Evans.  
H. T. Freeman.  
W. L. Graves.  
J. K. Heller.  
H. P. Pinkham.  
H. Russell.

### Institute Committee

G. P. Allen.  
R. S. Berkowitz.  
E. H. Clarkson.  
H. P. Claussen.  
M. E. Curtis.  
K. Dean.  
W. W. Drummey.  
P. H. Duff.  
H. P. Gray.  
R. Millis.  
O. C. Norris.  
K. B. Owen.  
G. D. Robertson.

### M I. T. A. A.

G. Garita, Jr.  
L. T. Hill.  
T. K. Hine.  
E. L. Kaula.  
L. Laurason.  
H. G. Morse.

Not to be outdone by the Juniors the Sophomores have nominated a co-ed. for Secretary, and judging from the results of the 1915 election, and from the attitude of the members of the Sophomore Class, Miss Pattee has an excellent chance of getting the place.

The ballots can be obtained at the Union beginning Tuesday, November 18th, and will be due seven days later, November 25, 1913.

In spite of the stormy weather, the meeting in Huntington Hall was well attended Sunday.

## MAINE WINS N. E. I. A. A. CROSS-COUNTRY RUN

**M. I. T. Finishes Fourth With 79—Capt. A. F. Nye Leading His Team.**

Last Saturday the University of Maine won the team honors in the Annual Cross-Country Run of the New England Intercollegiate Association, beating out Dartmouth, the nearest competitor, by 40 to 44. The M. I. T. Team as a whole had a slump and finished fourth with 79. Marceas of Dartmouth won the run in fast time. The first Tech man to score was Capt. A. F. Nye, who finished eighth, thus winning his "T". Capt. Nye ran well throughout the race and beat out his team-mate, H. S. Benson, by a few yards. Benson ran well, but fell into too fast a clip at the beginning, which later forced him to drop back.

The whole trouble seems to have been that the plans of the course did not show its exceedingly hilly nature. The footing was good, but the course went from one up grade to another. The times made show that it was not a run of average difficulty. Twenty-seven and a half minutes for 4.7 miles would indicate that it averaged as bad as the first two miles of the Tech course at West Roxbury. There were a number of spills. At the very beginning F. L. Cook, who finished third for Tech, tripped and C. H. Wilkins with several others piled up on top of him. The worst part of the run seems to have been through the third mile, when, after almost a mile of winding, up grade, the runners were faced by a hill that dwarfs Larz Anderson in grade and is about a quarter of a mile in length.

The race was characterized by close finishes. Cook finished in a group of five men each a second behind this leader. Newlin did not run as expected. Generally finishing fourth, he did not score, Guething beating him out for sixth place by a second, after a spirited fight at the finish. G. S. Lee and C. H. Wilkins both ran their usual even race, finishing as expected.

Tech's scoring men were Capt. Nye 8, H. S. Benson 9, F. L. Cook 13, C. S. Lee 17, G. H. Wilkins 32; total 79. The first twenty in the race finished

(Continued on page 4.)

## 1916 TUG-OF-WAR

Manager K. Sully wants every 1916 Tug-of-War man to be at the Union on either Monday or Tuesday afternoon at 4 o'clock to be measured by the representative of Wm. Read and Sons. The man will have samples and prices, and it is necessary that every man show up so that a complete list can be obtained.

## TECH SHOW ORCHESTRA

The Tech Show will hold its weekly rehearsal on Wednesday afternoon at 5 o'clock in the Union, and Stage Manager Hughes hopes that there will be full attendance. It is essential that all members be present as a cut will be made in two weeks. More men could be used to advantage, especially a bass, cello, snare drum and traps.

## INSTITUTE MATRONS HOLD RECEPTION

**Entertain Families Of Faculty And Members of the Corporation.**

Members of the Faculty and Corporation of the Institute and their families were delightfully entertained Saturday evening by the matrons of the Institute.

The reception was held in the Library, which was prettily decorated with Japanese lanterns and Japanese vases filled with flowers arranged by Prof. Gardner. The balconies were draped with rugs and the rear wall of the Library was covered with a large Technology banner. The receiving line was composed of Mrs. R. C. MacLaurin, Mrs. H. W. Tyler, Mrs. E. B. Spear, representing the Faculty, and Mrs. C. A. Stone and Mrs. Lowell, representing the Corporation.

The reception was especially well attended, there being about two hundred present. Supper was served from eight to eleven. Music was furnished by part of the Tech Show Orchestra.

## ADVISORY COUNCIL

**Team To Be Sent To Meet of The I. C. A. A. A.**

At a special meeting of the Advisory Council, it was decided to send the Varsity team to the I. C. A. A. A. meet next Saturday. Seven men and the coach are going, but it has not yet been decided when the team will start, nor where it will stay in New York.

There will be practice for both the Varsity and Freshman Cross-Country teams at the Gym Monday.

## WEATHER

For Boston and vicinity: Weather unsettled, probably rain, followed by cold.

## CALENDAR

### Monday, November 17, 1913

4.00—Varsity Cross-Country—Gym  
4.00—1916 Tug-of-War Team Meeting—Union.  
4.00—1917 Cross-Country—Gym.  
8.00—Mining Engineering Society Smoker—Union.

### Tuesday, November 18, 1913.

2.30—Civil Engineering Society Trip—Leave Steps Eng. C.  
4.00—1917 Cross-Country Trials—Gym.  
4.00—Lecture on Marine Insurance 32 Eng. C.

### Wednesday, November 19, 1913.

5.00—Cosmopolitan Club Meeting—8 Eng. C

The Commissioner of Highways of the State of New York, Mr. J. B. Carlisle, has found it necessary to place a legal limit on the weight of vehicles that may travel over the roads of the state. The limit has been placed at fourteen tons net for the combined load and vehicle.

# THE TECH

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MONDAY, NOVEMBER 17, 1913.

## In Charge of This Issue:

Editor—Herbert W. Anderson '15.  
Assistant—J. De Bell.

## Freshman Temporary Chairman

We heartily approve the plan which is being suggested for eliminating the "sight unseen" choice of the Freshman temporary chairman. The idea is to have the Institute Committee, at the end of each year, elect sophomore to preside over the next incoming class until Field Day, when the regular elections can take place.

There is no doubt that the present system leaves much to be desired. The selection becomes in part a "beauty contest," the men being lined up on the platform for inspection, and in part a competition in silver-tongued oratory on the part of the friends of the candidates. We think neither branch is conducive to securing the best men. The fact that excellent officers have been elected in this way is no argument for the system.

On the other side it may be urged that each class should be absolutely self-governing. While not denying the excellence of this principle, we think its abrogation for a few short weeks advisable, considering the great practical advantages to be obtained.

The Institute Committee would have, on which to base their choice, two whole years' record of the men considered, which is ample to insure a good selection. This would also eliminate the unfair advantage in the contest for the permanent offices, which now falls to the men selected by the beauty-an-oratory competition.

A conference of noted illustrators was called by the New York Times to decide on the Type of Americal Girl. The conference was attended by Penryn Stanlaws, Hamilton King and James Montgomery Flagg.

## ENGINEERING AND SCIENTIFIC NOTES

In an endeavor to explain the burning in mid air of the Zeppelin airship LZ, Sir Hiram Maxim proposes the theory that when any object is propelled through the air at a high speed it becomes charged with electricity and the familiar brush discharge results, which would often be sufficient to ignite a mixture of gas and air. To illustrate his point he cites a unique accident as follows:

"About thirty-five years ago a powerful tugboat belonging to Jersey City was equipped with a new and extra strong boiler of the locomotive type. When it was in position and all the pipes connected it was filled with water to the top gauge and fired, but it appears that something was the matter with the pressure gauge; it failed to register anything but a low pressure and the safety valve was also out of order. The firing went on, and when the engineer and stoker thought they had about 40 pounds pressure per square inch there was really a pressure of about 4000 pounds in the boiler.

"Under these conditions everything was favorable for a very destructive explosion, and when the pressure had mounted beyond the strength of the weakest part of the boiler there was a terrific report. The boiler broke loose, tore its way through the deck, went up like a rocket, and passed across a wide street and the top of the Erie Railway station, and fell to the ground. The explosion took place when the thermometer stood at ten degrees below zero—forty-two degrees of frost, as we say in England.

"As the boiler passed over the roof of the railway station the lightning arresters of all the telegraphic instruments were one blaze of fire. It is probable that all the steam and water were out of the boiler by the time it passed through the deck of the boat; therefore the electrical disturbance which caused the flash on the lightning arresters was produced by the friction of the very dry air on the surface of the boiler as it passed over the station, and not by the escape of the steam into the air."

For destroying airships, Sir Hiram adds, it would not be difficult to "provide projectiles large and small that will give off bright sparks on their flight." He is of the opinion that "we have come to end of our tether" in regard to airships.

## DR. FLEISCHER'S TALK

Says Americans Are Verging On Despotism.

Yesterday Dr. Charles Fleischer gave an interesting talk in Huntington Hall on the subject "Democracy or Despotism." He pointed out the fact that America is fast losing its passion for ideal democracy, and is verging on the despotism, either of rich capitalists, whose money may control legislative bodies, or of the economic socialists. The latter are the more dangerous of the two.

Dr. Fleischer said that the chief fault of democracy lay in its failure to recognize the superiority of the expert. His personal ideal of government is a democracy which recognizes the autocracy of specialists—an autocracy not in the self-perpetuating sense, but one which rises from the masses by its own unusual ability.

## FOUND ARTICLES

The following articles have been found and may be obtained by the owners at the office of the Supt. of Bldg. and Power, 26 Trinity Place; 2 pairs of gloves, 2 notebooks, 1 book, and part of a slide rule.

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### POSTPONED TRIP TO BE TAKEN TOMORROW

Civil Engineers Will Visit Common-  
wealth Piers—Leave  
At 2.30.

The trip which the Civil Engineer-  
ing Society had intended to make to  
the Commonwealth Pier last Friday  
had to be postponed until tomorrow  
afternoon. The party will meet on  
the steps of Engineering A and leave  
at 2.30.

Piers 5 and 6, which are together  
spoken of as Commonwealth Piers,  
are undergoing construction at the  
present time. Enough of Pier 5 was  
completed last spring so that the  
Hamburg American Line could land  
freight and passengers there, and has  
been in use ever since. The pier is  
1200 feet long and 400 feet wide, hav-  
ing a 50-foot concrete platform all  
around the outside. This leaves a  
ground floor area of 1150 feet by 300  
feet for the freight and passenger  
sheds.

There is a freight shed along the  
right of the pier as it is approached  
from the shore, which is the one be-  
ing used by the Hamburg American  
Line. Along the centre of the pier  
is a passenger shed, separated from  
the freight shed by two tracks and by  
a light well overhead. This shed is  
nearly completed. Along the left-  
hand side of the pier is to be another  
freight shed, which will also be sepa-  
rated from the passenger shed by  
railroad tracks and a light well. Only  
the steel framework at the outer end  
of this shed has been erected. The  
curtain wall of this pier is built  
around the retaining wall of an older  
one.

Pier 6 is also nearing completion.  
Structures of brick and concrete are  
erected on it, and have been leased by  
the Boston Fish Market Corporation  
for a period of fifteen years. These  
buildings, besides being arranged for  
a fish market are quite imposing from  
an architectural standpoint.

Those members who intend to take  
the trip tomorrow will have a rare  
opportunity of seeing piling, concrete  
slab structure, and steel structure in  
nearly all of its stages. Anyone hav-  
ing a three o'clock class may join the  
party by going to the South Station  
and then continuing on out Summer  
Street.

### CROSS-COUNTRY

Two Squads Run Over Course At  
Hanover.

Saturday, with the Varsity men at  
Hanover, the rest of the Cross-Coun-  
try Squad went to Wakefield to run  
over the Handicap Course. Twelve  
men went over the course, while Pol-  
lard '15 and Sherman '17, coming  
later, lost the way and returned by  
the outgoing route.

Brock '17, Parker '17, and Litchfield  
'17 went ahead in a separate squad  
with Best '15 to do some faster work.  
Owing to delays at several points,  
where time was spent in finding the  
course, the time made was not appre-  
ciably faster than that made by the  
rest.

The second group, running under  
the leadership of Peaslee '15, followed  
the trail laid by the first squad. In  
this group were Lovell '15, Currier  
'14, Haviland '17, Gardner '17, Gold-  
stein '16, and Bernard '17. The lat-  
ter was bothered with cramps and fin-  
ished later, but the others were all to-  
gether.

The course was in good condition,  
with a few material changes. A light  
trail was laid today, and a heavier one  
will be laid before the Handicap race,  
a week from next Saturday.

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**FRESHMAN NOMINATION PAPERS RECEIVED**

List Of Nominees Small—Ballots Will Be Mailed To Class This Week.

The nomination papers for the officers of the Freshman Class have been received by the balloting committee, and contain the following names:—

**President**

P. E. Hurlburd.  
E. D. Winton.

**Vice-President**

P. N. Rowe.  
A. P. Dunham.

**Secretary**

H. E. Tourtellote.  
L. P. Salt.

**Treasurer**

P. C. Leonard.

**Executive Committee**

C. W. Curtin.  
A. T. Canby.  
E. C. Mathews.

**Athletic Association**

A. P. Farnsworth.  
F. Bernard.  
J. S. O'Brien.  
K. H. Bay.  
B. P. Thompson.  
H. L. Wood.  
A. Atkinson.  
S. B. Dunning.  
W. L. Medding.  
F. P. O'Hara.

**Institute Committee**

C. M. Angell  
D. E. Bell.  
A. B. Gardner.  
E. P. Brooks.  
C. H. M. Roberts.  
E. C. Mathews.  
B. Dodd.  
M. P. Brock.  
L. E. Wyman.  
G. R. Stevens.  
R. T. Whitney.  
A. K. Althouse.  
E. K. Briggs.  
W. A. Gray.

This list is not final, as there are one or two mistakes on the nomination papers, but these will be corrected when being printed. The ballots will be sent to each member of the Freshman Class this week, and those who have not paid their dues will also receive a reminder. All ballots when made out are to be left at the Cag.

**TECH FOURTH**

(Continued from page 1.)

in the following order: Marceau, Dartmouth, 27:37; Bell, Maine, 27:44 4-5; Pretti, Maine, 27:58 4-5; Wenz, Colby, 28:15; Towner, Maine, 28:17; Waldron, Colby, 28:27; Durgin, Dartmouth, 28:30; Nye, M. I. T., 28:39; Benson, M. I. T., 28:40; Granger, Dartmouth, 28:41; Brooks, Maine, 28:48; Lewis, Dartmouth, 28:49; Cook, M. I. T., 28:50; Saltmarsh, Dartmouth, 28:51; Richards, M. A. C., 28:52; Langley, Brown, 28:57; Lee, M. I. T., 29:05; Webster, Colby, 29:11; Demsey, Maine, 29:17; Weg, Colby, 29:18.

**MEETING OF T. C. A.**

Thursday's Speaker To Be East Boston Minister.

The Rev. A. R. Williams, of Boston, will be next Thursday's T. C. A. speaker. Mr. Williams is pastor of the Maverick Church, of East Boston, and this will be his first appearance before a gathering of Tech men at a T. C. A. meeting. The subject of the pastor's talk will be "Some Glimpses of the Under-world."

Mr. Williams is one of the youngest ministers in charge of a church in this city. He distinguished himself some year ago by taking the Maverick Church, then in a state of decline and in danger of a complete downfall, and building it up into a live and active parish, as it is today. Mr. Williams will speak in Union, Thursday noon, at 1.30.

**FACULTY NOTICE**

All new and altered uniforms will be delivered at the Armory on Monday, the seventeenth, and Wednesday, the nineteenth. These must be paid for on these dates by all men. Men having old uniforms will begin wearing them on Wednesday, the nineteenth. E. T. Cole, Major U. S. A., retired.

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