

# THE TECH

VOL. XXXI. NO. 63

BOSTON, MASS., SATURDAY, DECEMBER 9, 1911

PRICE TWO CENTS

## Varsity Basketball Schedule Announced.

### Capt. Schar Picks Six Men For Team Out of Big Squad—Three Old Men.

Manager Freedman, of the Varsity basketball team, has announced the probable schedule of the team which consists of eleven collegiate games and two trips to New York State. Captain Schar has picked a provisional team which is as follows: Forwards, C. J. McCarthy and R. S. Schar; guards, A. J. Freedman and C. N. Hudson; center, F. L. Mowry, and utility, H. E. Morse.

The schedule is as follows:

December 22—Springfield Training School at Springfield.

December 23—C. C. N. Y. at New York.

January 6—New Hampshire State at Durham.

January 25—St. Lawrence University at Canton, N. Y.

January 26—Rensselaer Polytech at Troy.

January 27—Union College at Schenectady.

February 3—Rhode Island State at Kingston, R. I.

February 10—Dartmouth at Hanover.

February 14—Brown at Tech Gym.

February 17—Wesleyan at Middletown.

February 28—Brown at Providence

## SWIMMING MEET TODAY.

### Second Eliminations to Decide Entries for Brookline Meet.

Swimmers will report this afternoon at 3 P. M., in the Cabot Tank, for the second elimination trials. See either the Captain or Manager as soon as you reach the Tank, and be on time. Take Columbus avenue car to Ruggles street.

Many new men and much improvement is the result of the work of the past week, and as some of the newer candidates have shown speed, the trials should be much closer than those of last week.

## PUBLIC SPEAKING.

The exercise in Public Speaking will be held, as usual, in 23 Walker, at 9 A. M., on Monday. Five-minute talks will be given by Messrs. Blackwood, Bruner, Caldwell, Clark, Moore and Swatzburg. Mr. Frederick P. Fish of the Corporation has promised to be present, and is expected to tell the class something of the conditions under which an ability to speak in public is useful to a professional man.

Mr. Fish has, as everybody knows, had an unusually wide experience in public life. As presiding officer on various boards and commissions, and as director and president of large banking and industrial companies, he has had every opportunity to know the value of good speaking ability.

Visitors are always welcome to the exercise.

The 304th anniversary of the birth of John Harvard was celebrated on Monday, November 27th, by a short address in Appleton Chapel, Cambridge.

## Excellent Concert Given Last Night

### Program Given by Orchestra Enjoyed by Nearly a Hundred Men.

Did you miss one of the best Union Nights ever last night by not going to the Pop Concert? The Entertainment Committee arranged an evening that couldn't be improved. The members of the Orchestra deserve much credit for the way in which they handled the most difficult of selections, two of which would have done credit to Boston's best.

The first piece was "Dear Old M. I. T.," during which the fellows all stood and sang, winding up with a "long cheer." Following this came the rendition of one of the standard operas. Again, after a short interval, of cards and eats, a catchy piece of dance music was given in such a way that after many rounds of applause it had to be repeated. Other numbers on the program were: Faust, The Chocolate Soldier, The Cardinal and the Gray, Take Me Back to Tech and the Stein Song.

Refreshments of ice cream and cake and ginger ale were served during the evening, and there was a lot of snappy cheering which made the evening much brighter.

## Portfolio Nominations

Senior Portfolio nominations close today at 6 o'clock. As the communication in yesterday's issue stated none had been handed in up to Thursday night, however, three or four have been left at the Cage since then, and President Kebbon is hoping for several more before nominations close.

The Senior Book is less important as a publication in general than in its value to members of the class. For this reason nominations should be as general as possible, as Kebbon has pointed out.

## MacLaurin Received.

This evening President MacLaurin and his wife will be received by Mr. and Mrs. J. M. Longyear at their Brookline residence. Invitations have been sent to the Faculty and Corporation requesting them to attend and bring their wives.

## Course Conferences.

All first-year men will be expected to attend conferences with the heads of departments next week, in regard to the choosing of their Courses. The hours and places of holding these conferences will be announced in Monday's TECH. This is a most important matter, and every man is expected to attend all the conferences in which he is interested as he will be expected to present his choice of course to the Faculty within a few weeks. Watch Monday's TECH for announcement of the hours and places of holding the meetings.

Professor Houghton of Amherst will conduct a party of Amherst students through Europe next summer, offering at a moderate cost the opportunity of seeing the best things across the water under competent guidance.

## Requirements for Varsity Insignia

### Advisory Council Gives Cross-Country Men Better Chance—Marceau Gets "T."

The requirements for the Varsity T for Cross-Country were slightly lowered by the Advisory Council at the last meeting of that body. Up to this time it has been necessary for a man to get tenth place or better in the I. C. A. A. A. race, and the Council have decided to award the insignia to a man who makes twelfth or better in the future. The old rule giving a man who takes first or second place in a recognized dual meet was not changed.

The Council awards a T to "Gene" Marceau, 1912, who was the first Tech man to finish in the Tech-Harvard race last fall.

## Civil Society Trip.

### Latest Dope on the Sunday Morning Special Train.

(Special Wire to THE TECH.)

At eleven-thirty last night the final arrangements for the trip to Natick on Sunday were completed and the plans were proven O. K. Tomorrow morning, long before sunrise, a big bunch of Tech men will gather at Trinity Place to take a special car which will be hooked to a work train leaving sharp at 5.30.

This train will not wait a minute for anyone, so that it is up to all those who wish to go to Lake Crossing to see the big bridge put into service to get up and be on time. This will be one of the best examples of railroad engineering problems that can be seen around Boston, and those who don't take advantage of it will miss a great object lesson for the simple privilege of a few hours' sleep.

## "Dirty Milk."

Yesterday afternoon the second of the series of lectures by Milton J. Rosenau, on "Dirty Milk," was given in Huntington Hall. The audience was small but the speaker impressed upon the minds of those who did attend the value of using strictly pure milk and keeping it in sanitary surroundings.

## Special Practice.

There will be a special practice of the Hockey Team at the Arena tonight from 5.15 P. M. The team will have the full use of the ice and every man must report in suit promptly at the specified hour. Manager Ranney wishes to especially emphasize the work tonight and to request every man on the squad to show up without fail.

## Freshies' Basketball.

Basketball practice for the Freshmen will be held in the Gym this afternoon at 12 o'clock. The floor has been secured regularly on Saturdays from 12 to 2, so there need be no more confusion about who has the right to the floor. Manager Scully would like to have every man cut on time so that the work may be finished early, and those fellows who live out of town can get home.

## Original Ideas in Berlage Lecture

### Points Out Relations Between Architecture and Science—Small Audience.

It was unfortunate that so few people could have heard the excellent and exceedingly interesting talk given by Mr. H. P. Berlage, the European architect from Amsterdam, Holland, last evening, in Huntington Hall, on the "Foundation and Development of Architecture," for it proved to be one of the most instructive and truly advantageous discourses that have ever been given at the Institute.

In making this American trip Mr. Berlage is endeavoring to set forth truer architectural principles and instill into the minds of the general public a knowledge of what the best really is from his own point of view as a modern architect. He is eminently well fitted to do this, for he is one of the most prominent members of the profession in Europe, and his lecture was obviously that of a thinker of individuality and courage in carrying out what he considered to be the best for the greatest progression.

He at first spoke of the difference of opinion of artists and architects concerning the beautiful and what goes to make up the most harmonious beauty, and then stated that to him there was but one ultimate point of view which could exist,—of considering all art from purely a natural standpoint,—as having all its basic forms in nature and hence in the sciences. He pointed out the relation between many of the geometrical figures and plant life and showed how several of the greatest developments in architecture have been along these lines, citing as an example the Gothic structures in their earliest forms.

(Continued to Page 3, Col. 2.)

## Professor Absent.

Professor Robert H. Richards of the Mining Engineering Department is absent from his classes, owing to the fact that he has been called to Michigan on business. Professor Richards is stopping at Hancock, the place where he conducted his investigations in copper refining this past summer.

## Calendar.

Saturday, December 9th.  
12.00—1915 Basketball—Gym.  
3.00—Swimming Tryouts—Cabot Tank.  
5.15—Special Hockey Practice—Arena.  
6.00—Senior Portfolio Nominations Due—Union.  
8.00—Lowell Institute—Huntington Hall—Dr. Johannsen.  
Sunday, December 10th.  
5.30 A. M.—Trip to Natick—C. E. Society—Trinity Place.  
Monday, December 11th.  
Junior Prom Nominations Close.  
4.15—Glee Club Rehearsal—Union.  
9.00—Open Exercises—Public Speaking.  
7.40—Mandolin and Banjo Clubs—Dudley Street, East Loop.  
Tuesday, December 12th.  
4.10—C. E. Meeting—Prof. McKibbin—6 Lowell.

**WINTER CONCERT, SEAT SALE, UNION 1 p. m.**

# THE TECH

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SATURDAY, DEC. 9, 1911

IN CHARGE OF MONDAY ISSUE.

EDITOR—Oettinger, M. A., 1914.  
 Associates—Becher, Don., 1915; Mann, E. W., 1914.

Last night, in the Union, the Entertainment Committee showed that they were right on the job by giving the undergraduates a chance to hear the Technology Orchestra at the Pop Concert. The Orchestra gave a splendid account of itself, and the evening was a grand success for those who went, but where were all of the other five hundred or more Tech men who did not studying last night?

It is positive that they were not at the Pops; neither did they attend the fine lecture given in Huntington Hall on the "Foundation and Development of Architecture," by Mr. H. P. Berlage. Is there not some way in which the undergraduates can be made to realize the importance of supporting Institute activities before they give their backing to things outside? When we have nothing in the Union on Friday night we have a loud cry raised for a Union Night—when he have a Union Night everybody is busy—what is the matter? The concert was an unqualified success, but the crowd could not be called that.

It seems that the Advisory Council have made a very wise move in changing the requirements for a T in Cross-Country. This is a sport that we can not be too proud of, and one that we can not do too much to help along.

## INFORMAL TALK.

### M. E. Society to Discuss High Speed Gasoline Engines.

Next Tuesday evening, December 12th, the Mechanical Engineering Society will meet in the Union at 7.45. Two Seniors, Messrs. A. R. Davis and D. Dasso, will talk on "High Speed Gasoline Engines," a subject of interest and importance.

Mr. Dasso, due to a knowledge gained abroad during the last year, is well suited to discuss modern European designs. He invariably defends the foreign makes when an argument is started in the class room, and any man who has any interest in the subject should attend the meeting and hear what the speakers have to say. It is to be a very informal gathering, and all are cordially invited to be present, whether they are members of the Mechanical Engineering Society or not.

Basketball has been abolished by the Athletic Council of Trinity. The student body is objecting and an effort will be made to replace it as one of the college sports.

## COMSTOCK DEVICES LIGHTHOUSE SIGNAL

### Invention of Institute Professor Now in Use to Warn Keepers of Broken Mantles.

One of the professors of the Physics Department, D. F. Comstock, has perfected a little device which will prove of almost inestimable value to the life saving department. It is a signal which will call the attention of the lighthouse keeper to the lantern if the light should go out when he is in such a position that he couldn't see it.

On the Great Lakes there are a great many beacons which burn gas in a Welsbach mantle of a very fragile nature. On Lake Superior alone there are more than three hundred of this type. In case the mantle breaks in this style of lamp the light is gone, and unless the keeper is right on the job he might not notice that the lantern was not burning.

Professor Comstock's invention is devised to give a signal by means of the difference in conductivity of a compound which is a secret part of his invention, due to the difference in the heat distribution between the mantle when it is whole and when it is broken. It is evident, of course, that there will be a difference, for in the first case the mantle is giving off a white light, and in the other case it is merely a blue flame. In collaboration with Professor Kalmus, formerly of the Institute, this little instrument which keeps guard over the guardians of the seas has been put into commercial shape through the action of this principle.

As the patent has not yet been granted the details cannot be made public at this time, but it is in such form that it has been accepted by the Canadian government for use on its Lake lighthouses.

## INTERCOLONIALS

### Meet the Fast Boston Team at Arena in Hard Battle Tonight

Hockey enthusiasts will have a chance to see some fast hockey at the Arena tonight, when the B. A. A. and the Intercolonials cross sticks for the first time. The men on the lineup of these two teams comprise the best hockey players in the city, and since both teams are out for the championship they will take no chances of losing this, the first game. The Boston team is composed of the men who held the title last year, and have a slight call for that reason, although the Intercolonials have made the best score against the Institute team.

## NOTED TURK AT TECH.

The Turkish government has recognized the 'Stute as the foremost engineering school of the country, and perhaps of the world, by sending Shahin A. Ajemian here for his education in civil engineering. Mr. Ajemian arrived in Boston yesterday and will enter on his work immediately. After the completion of his four year's course he will return to Turkey and become head of the government's department of civil engineering.

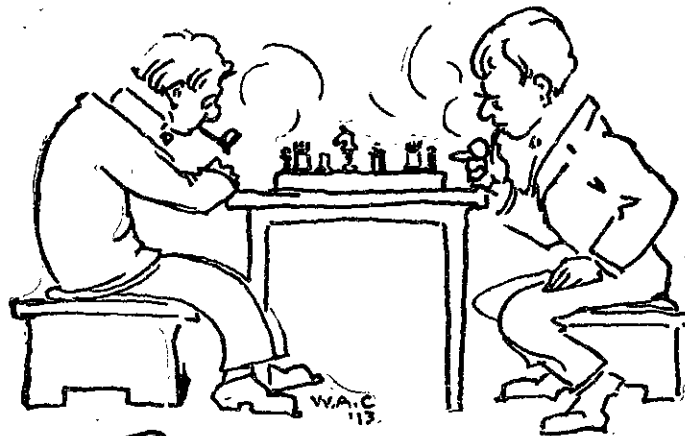
## SOPHS' FIRST GAME.

The Sophomore basketball team will play their first game today at Bridgewater Normal. The Bridgewater team is a very fast one, and the "Sophs" will have to hustle to beat them. Last year the Normal School beat the Varsity second team, and have always shown considerable strength in this sport.

The team that will accompany Captain Comber is as follows: Tyrell, Ruoff, Williams, Henderson, Claverly, Price and Gallen.

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Thursday, December 14th, tickets for  
the Winter Concert of the Technology  
Musical Clubs may be exchanged at  
the Cage for reserved seat checks.  
The sale of tickets for this year's  
concert has far surpassed that of any  
other year, and it is therefore very  
important that men who wish to get  
gold seats turn in their tickets at  
the Cage immediately.

The Winter Concert, which will be  
held in Copley Hall on the evening of  
December 15th, promises to be the  
best in years. The clubs have given  
several performances in preparation  
for the concert, and the men have  
showed up well in every instance.  
The Orchestra will also have a good  
tryout in the "Pop Concert" tonight,  
and it is expected to come up to the  
mark.

It is expected that the musical pro-  
gram will be completed by 9.30  
o'clock, and from that time until 1  
there will be dancing. Preliminary  
dance orders will be given out with  
the reserved seat checks and final or-  
ders will be distributed on the even-  
ing of the party.

The manager of the Musical Clubs  
has arranged with Poole's Orchestra  
to play the dance music and as things  
look now the evening will be a great  
success.

The following ladies have kindly  
consented to act as patronesses:  
Mrs. Richard C. MacLaurin.  
Mrs. Alfred E. Burton.  
Mrs. Walter Humphreys.  
Mrs. Alynne L. Merrill.  
Mrs. Henry P. Talbot.

**CIVIL SOCIETY.**

The Austin Dam Failure to Be  
Discussed Next Tuesday.

The Civil Engineering Society will  
hold an open meeting in 6 Lowell next  
Tuesday afternoon. Professor Spof-  
ford has been able to get Professor  
E. P. McKibben, M. I. T., '94, to talk  
on "The Austin Dam Failure."

Professor McKibben has come from  
Lehigh University to give the same  
lecture to the American Society of  
Civil Engineers, and the men of Tech  
will have an excellent opportunity to  
acquaint themselves with the opinions  
of a recognized authority. The failure  
of the Austin Dam is of interest to  
engineers, for many questions as to  
the proper form for foundations are  
now reopened.

**BERLAGE LECTURES.**

(Continued from Page 1.)

This led to the conclusion that art  
finds its highest consideration in the  
sciences, and that a general principle  
may be given that to obtain the great-  
est unity we must follow nature.

He then considered the development  
of architecture through the ages and  
made it evident that the strictest  
mathematical rules have been applied  
to determine proportions. As a means  
of clarifying this point many build-  
ings were thrown upon the screen  
with various geometrical figures  
traced upon them. Mr. Berlage then  
said that the lack of architecture in  
Japan is due to the very fact that its  
art is purely free and considers no  
scientific principles.

In conclusion he stated that it is  
impossible to follow the principles of  
geometry and mathematics for any  
true progress in architecture, but only  
as a method to gain an end.

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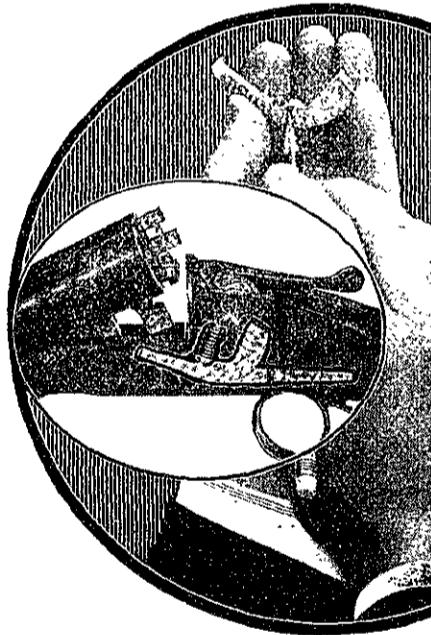
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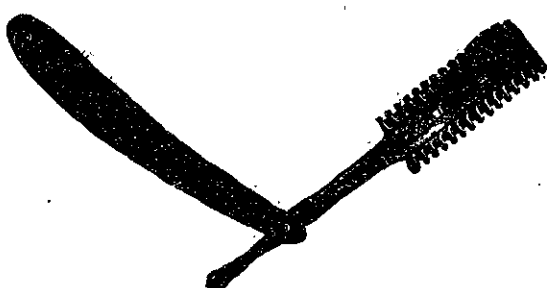
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Senior Portfolio nominations close  
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Leave nominations signed by 10  
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to Pop Concert should return them  
to F. H. Achard before Monday noon  
(63-1t)

**HARVARD SEAL** on watch fob  
found at Huntington avenue and Irv-  
ington. Owner's initials on back. May  
be claimed at Bursar's Office.  
(61-3t)

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DOYLSTON STREET OFF PUBLIC GARDEN  
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Recognized as one of Boston's  
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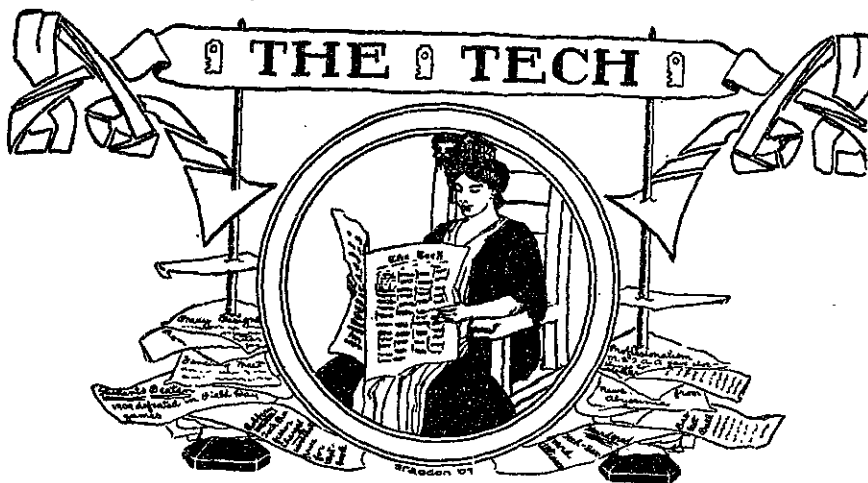
Rates per Day:  
Single Rooms 1.50, 2.00, 2.50  
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Are you in favor of the establishment of an honorary scholastic fraternity at the Institute?	YES	Mark X
	NO	

Name..... Class.....  
Ballots are due at the Lower Office of THE TECH before 1 P. M., Dec-  
ember 16, addressed to the Ballot Editor.

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