

# THE TECH

VOL. XXXI. NO. 45

BOSTON, MASS., FRIDAY, NOVEMBER 17, 1911

PRICE TWO CENTS

## FIRST HOCKEY GAME SATURDAY AT ARENA

**Team Goes Against Fast Bunch Formerly Known as Boston Hockey Club.**

Saturday the hockey team will play the first game of the season with the B. A. A. team as opponents. As there has only been a week of practice, the team is not in the best of condition, and this game will give much valuable practice. With this end in view, a lot of men will probably get into the game.

The B. A. A. team is essentially the one which represented the champion Boston Hockey Club last year. They are all stars and the Tech team will have to hustle in order to win the game.

Over forty men are now out for the team, many of whom have played at Prep School. With several of last year's squad out, the prospects look very bright. The men are showing up well for practice and are being put through shooting practice with a short game at the end.

There is lots of room for new men on the squad. An attractive schedule is being arranged, with two Western trips, and games with all the large Eastern colleges.

## MOVING PICTURE SHOW.

### Electricals to Entertain in Union Tonight.

The Electrical Engineering Society will give an illustrated lecture tonight in the Union at 7.30. Everybody ought to come, for the subject will be one of great interest. The society has secured the services of Mr. Day Baker, superintendent of the New England branch of the General Electric Company. Mr. Baker will have lantern slides for the stereopticon and films for a moving picture machine, loaned by the Physics Department, so that his talk on "Electric Vehicles" will be well illustrated. He intends to tell of the different types now in use, and of the uses, usual and unusual, to which they are being put. The Institute will be represented by Mr. H. F. Thompson of the Electrical Engineering Department. Mr. Thompson is going to give some interesting data on the relative merits of electric and gasoline autos, for he has been working for some time on the subject. The investigation was made possible by a fund given for that purpose by the "Edison Company."

The opportunity to become well informed on such a subject of general interest ought to draw a large number of men. Former meetings of this kind have been well attended, even though no moving pictures have been available.

## LOST ARTICLES

All clothes, drawing instruments, slide rules, money and any other things of value that may be lost around the Institute can be obtained, if found, at the office of the Bursar. Text-books and other similar articles will be left at the Cage for claimants for a reasonable length of time.

Of course anything lost that is picked up by no one or someone outside of the Institute can not be recovered at the office, for they do not attempt to replace any lost articles, but simply to return them in case they are turned in there by the finders.

## DR. MURLIN'S TALK WELL ATTENDED

**Interest of His Hearers Held by His Talk on "If I Were a Student Again."**

An unusually large number of men attended the talk of President Murlin of Boston University in the Union at 1.30 o'clock yesterday. From the time President Murlin spoke his first words until he closed his address every man sat up and listened. The address was not only one of the best heard in the Union this year, but when delivered by the new president of Boston University it gained additional interest. Perhaps, too, the announcement that the subject of the talk would be "If I Were a Student Again," brought out many fellows.

"If I were a student again," said Dr. Murlin, "I should like to go to Tech." He then said that the student's first consideration should be the health of his body, for the body is to be treated as a machine, although many people take more care of their automobiles than they do of their own machinery. Men often fail not from lack of ability, training, opportunity, but from ill health. "The first application of the widely discussed principle of the Conservation of Resources should be the acquisition of a strong, healthy body. Dr. Murlin said further that the animal passions are not to be ignored, but they must be controlled.

"My next consideration if I were a student again," continued the speaker, "would be to learn to think and to think well. I have no sympathy with the difference some make between the practical and the cultural education, for it is my experience that true culture rests neither on a knowledge of Latin or Greek, nor is it improbable for a scientific man to be a man of culture." It is Dr. Murlin's opinion that education is not so much a matter of studies as methods of study. After all the purpose of the college is not to teach bare facts but to give

(Continued on Page 4.)

## POSTPONED TRIP.

### Civils to Be Shown Through Berger Factory in Milton.

This afternoon the Civils will take their postponed trip to the factory of C. L. Berger & Sons, instrument manufacturers. The members of the society who go will be guided through the building by experienced experts of the company, who will attempt to explain the intricacies of manufacture. Two parties are to be formed, one leaving at 2 o'clock and the other at 3. The factory may be reached by taking an Ashmont and Milton car to Williams street and walking north to No. 37. An excellent opportunity is afforded to men interested in the work, and a large number will turn out for the trip.

## SPECIAL HOCKEY WORK.

Hockey practice will be held at 6 o'clock tonight on the ice at the Arena, also on Wednesday and Friday of next week, from 6.15 to 7 o'clock. It is important that all men attend on these dates, so that selections may be made as early as possible for permanent positions on the team. It is necessary to have plenty of conscientious practice in the new style of play which has been adopted in order to develop team work.

## FIRST MEETING OF FINANCE COMMITTEE

**Fourteen Activities Send Men to Give Reports—Many New and Radical Changes.**

After an enjoyable dinner in the Union the Finance Committee was called to order by Chairman Kebbon. A report of the work of the committee in the past was given by I. W. Litchfield, H. L. Coburn and G. B. Perkins. This showed that the committee has been of great aid in the past in building up the various activities and straightening out their finances.

In all there were fourteen activities represented, and every one of them was able to show a favorable balance on their financial report. In some cases the committee insisted strongly that the treasurer put in greater efforts in collecting dues and outstanding bills.

Enthusiastic discussion followed the reports, during which many important questions were brought and many men got some good points on their work. Several of these were turned over to sub-committees, which were instructed to report at the next meeting of the committee.

One of the most radical of these was one which was instructed to look into the matter of getting some uniform system of keeping the books of the various activities. Another of the new ideas was in regard to securing a lawyer, to whom any one may be free to go for advice or assistance when some activity gets into a little difficulty.

A number of contracts which the various activities have entered into were taken up and looked over very carefully. There was no action taken on these with the exception of advice as to the future. All of these various committees were ordered to report on the seventh of December, when the next meeting of the committee is to be held.

## HARE AND HOUNDS.

### Saturday's Race to Be Held Over Course at Waltham.

The Hare and Hounds' race to be held Saturday will take place at Waltham. Last week only sixteen men turned out, and tomorrow Coach Kanaly wants to see every member of the track squad out for this run. They will have the use of the gymnasium of Hugo B. Seikel, where the race will start and finish. Mr. Seikel is a philanthropist, who takes great interest in young men and athletics. The squad is very fortunate to have this opportunity offered them, and should show their appreciation of it by turning out in large numbers. The train leaves the North Station for Waltham at 2.04. The pace will be slow and a short distance will be selected. Last week's run under this new method was very successful, and now that it has been given a tryout it is hoped that more men will appear.

On Sunday there will be a walk over the new eight-mile handicap cross-country course at Wakefield, and all new men should take this opportunity to become familiar with the course. The scheduled time for the departure of the bunch from the North Station will be announced later.

Freshmen ballots are now at the Cage for distribution. Everybody vote!

## GREATEST PROBLEM OF ALL STILL UNSOLVED

**How Can Natural Resources Be Conserved?—How Can Soil Be Kept Up?**

Before an interested audience gathered in Huntington Hall, Professor S. E. Van Hise, of the University of Wisconsin, delivered his second lecture on Conservation. Sad to say, there were very few students to be seen in the audience. That the talk was interesting was attested by the attentive attitude of the people gathered to listen to the lecturer, showing that conservation is surely becoming an absorbing and interesting problem.

The lecturer said in part that the conservation of the soil was most important, since the soil was the source of our food and clothing, and surely the human race cannot get along without these commodities. The wasteful extravagance of the American people as regards the natural resources is becoming alarming in its aspect. A great deal of the soil in the Middle West and in the East is being depleted by erosion which is brought about by the methods of rectangular plowing and the planting of one kind of crop year after year until the soil is worn out. The materials necessary for productive soils are: potassium salts, phosphorus salts and nitrogen. When these materials are entirely extracted the soil will be worthless. These materials are quickly being extracted from the soil by the foolish methods of cultivation and the prospects look dark for the agricultural future of the nation.

The loss of phosphoric acid from the soil is estimated as 15 million pounds per annum. It is very natural that a newly occupied country should have been exploited for its resources as was this country, but the type of farmer who "had worn out two farms during his life" must now disappear. China and Japan have partly solved the problem of conservation by methods which the so-called civilized nations have yet to adopt. We are to be more patriotic than to look at the few years in which we occupy the earth during our lifetime. This country will undoubtedly have a history as old as Egypt and China and Japan, and surely these are civilized countries.

But to merely recount the calamities would be a waste of time and energy. There are remedies and many of them. One improvement which has been put into practice in

(Continued on Page 2, Col. 2.)

## CALENDAR.

Friday, November 17, 1911.

12.30—Union House Committee—Cage.

2.00-3.00—C. E. Trip to Berger Factory.

4.15—Gym Team—Gym.

4.30—Swimming Team—Salvation Army Tank.

5.00—Basketball Practice—Gym.

6.00—Hockey Team—Arena.

7.30—Electricals—Moving Pictures—Union.

Saturday, November 18, 1911.

2.00—Harvard-Dartmouth Football Game.

2.04—Hare and Hounds—North Station.

8.00—Cosmopolitan Club—Union.

Monday, November 20, 1911.

4.15—Glee Club Rehearsal—Union.

4.15—Gym Team—Gym.

5.00—Basketball—Gym.

# THE TECH

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FRIDAY, NOV. 17, 1911

## IN CHARGE OF SATURDAY ISSUE.

EDITOR—Chandler, L. W., 1912.  
Associates—Foote, F. C., 1915; Spencer, W. S., 1915; Zannetti, S., 1914; Haslam, G., 1915.

The Calendar Committee have a good deal to contend with and in a general way have not the full support of the various activities. Who is to blame for the serious conflict between the Hockey game and the open meeting of the Cosmopolitan Club on Saturday evening of this week? It is too late now to try to have either of the dates postponed, but it is now up to whoever is to blame to see to it that dates are arranged in the proper way through the Committee, and not have things the way they were a good deal of last year, with sometimes as many as three dates on one evening. The secretary of every society and the manager of every team should make known his dates just as far in advance as possible, in order that the Committee can perform in a proper manner the work laid down for that important body.

We notice that the magazines placed in the reading room in the Union for the benefit of the fifteen hundred odd undergraduates are being cut up by a few misguided members of the aforesaid student body. It seems that if these men see some article which interests them particularly they might go out and invest in a copy of the magazine instead of cutting out the clippings and thus taking a privilege to themselves which the remainder of the men cannot take. The House Committee are in possession of the facts and the names in the case, and if this warning does no good, more publicity, together with the names in the case, will be aired in black and white.

This matter, with other indecorous actions in the Union, seem to be the work of a few underclassmen, who will, no doubt, suffer a fall unless they reform their behavior in the near future. It would seem too bad to be obliged to return to the barbarous days of hazing, but something will surely happen unless things change.

Very nearly one thousand men enjoyed the talk by President Murlin in the Union on Thursday.

## INSTITUTE ART NOW ON EXHIBITION

Architectural Drawings Show Much Excellent Quality and Technique.

There is at the present time a most interesting exhibition of the work of the Institute in the architectural line in the exhibition room of the department. Both the fourth and fifth year architects have work displayed there which gives an excellent opportunity for seeing the fine quality of drawing done at the Institute.

There are two sets of problems—the most recent being "The Grand Foyer of an Opera House," which was worked out by the fifth year students; and the other, "The Administration Building of an Important Medical School in a Southern University," by the fourth year men. In Europe such a building as the latter receives the greatest attention and study, both in the expression of the purpose for which it is intended and in its construction as well, and the fact that there are five first mentions and three seconds, together with three other mentions on detail, shows how well the men have met the requirements of the problem.

The mentions have not been placed as yet on the fifth year problem; those of the fourth year are placed below: F. N. Breed, first mention (1); H. E. Kebbich, first mention (2); F. B. Baker, first mention (3); T. H. Mace, first mention (4); A. L. Rocher, first mention (5). The men getting second mention: S. L. Day (1); G. L. Edgerton (2); G. B. Brigham, Jr., (3). A detail drawing of the main stairway in the same problem received the following mentions: E. B. Baker, first; G. B. Brigham, second; T. H. Mace, third.

## THE GREATEST PROBLEM.

(Continued from Page 1.)

The West is the semi-circular plowing, by means of which the water falling upon the soil is not carried away, but is caught and held for the nourishment of the crop in the time of drought. Another is the rotation of crops, by means of which the soil is recuperated by the leguminous plants. The waste of the sewage materials must be stopped if we are to come near any solution of the great problem. The guano product of the islands off the coast of Peru will quickly give out. The phosphate-producing birds are being killed off, and the Peruvian government is doing nothing to stop the practice.

The phosphate beds of Florida and the Carolinas should be used to recuperate the soil of our own country and not sent abroad. The Geological Survey has discovered large phosphate beds in Idaho and Utah which contain, according to a conservative estimate, about two billion, five hundred million tons of hydrogen phosphate rock. Science will solve one side of the problem, but the methods of cultivation must be changed. Despite what is being done by the agricultural colleges the education is inadequate. The problem of education is indeed appalling, but it must be solved the beginning must be made now.

We are facing the problem of the conservation of men. If the population increases for the next two hundred years as it has in the past then the problem will be to feed and clothe a race which the soil cannot support unless we provide for it now. Conservation is therefore the most important problem which has ever confronted the human race. We are progressing and all political and social questions will be solved in due time. But we must give our attention to the question of conservation now if we are to provide for the nation, because conservation means the greatest good for the greatest number and for the longest time.

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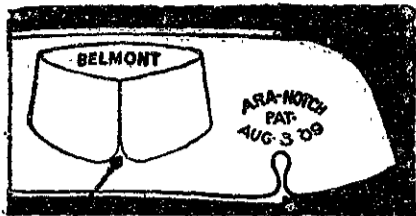
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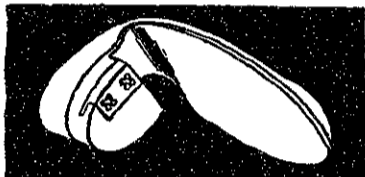
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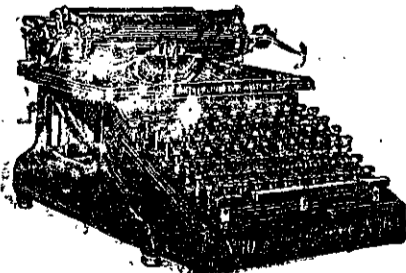
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### SEVERAL OPENINGS ON SWIMMING TEAM

Few Men Out for Longer Races or for the Plunges for Distance.

During the last week the candidates for the swimming team have been practicing regularly at the tank on Washington street. Very few of the men have taken advantage of this early start, an all-important one, for the elimination trials are less than a month away.

The new men have taken a good grasp on the rudiments and have acquired a knowledge of the stroke which puts them well on the way to the coming tryouts. Those of last year's team have reported quite regularly with the exception of one or two members and will be in good condition to make competition for the eliminations exciting and interesting.

The list and ranking of the men who have reported shows clearly that the shortest distance, the fifty-yard dash, has appealed to the most; doubtless due to the fact that five men are needed for this distance, four for the relay and one for the dash. Another noticeable fact is that the other dashes, the hundred and the two-twenty, are without competitors, one man alone in each case having entered. In the long distance plunge the field is wide open with a fine opportunity for any man who has plunged before or for a man that has a medium amount of weight.

Regular practice is held twice a week at the Salvation Army tank, corner of West Brockline and Washington streets. Men trying for the team will perhaps find benefit by going more often.

### ASBESTOS BOARD.

Prof. Norton's Lecture Will Be Repeated for Chemicals.

Professor Norton's lecture on "Refractory Substitutes for Wood" was listened to with such interest Wednesday evening by members of the A. S. M. E. and other important societies in Chipman hall. Many of the Mechanicals of the Institute also attended and reported it highly interesting. He spoke mostly on asbestos boards, a product in which he is much interested. A large number were in attendance, and in the general discussion following complimented him on the able way in which the subject was treated.

The Chemical Society has secured Professor Norton to speak at their meeting next Tuesday evening, and the opportunity will then be open for more Tech men to learn of the details of the uses and value of this board.

### FRESHMAN BALLOT.

The ballots for the Freshman class elections are now ready and can be obtained at the Cage. The polls will close on Thursday, November 23, at 2 P. M., instead of next Tuesday, as was formerly announced. The following officers are to be voted for: President, Vice-President, Secretary, Clerk, Treasurer, two members for the Executive Committee, and two representatives for both the Institute Committee and the Athletic Association. No ballot will be counted unless signed and the voter has paid his class dues. Dues can be handed in to Acting Treasurer, Dalton, or can be enclosed in the envelope with the ballot. The ballot is well filled and a close election is expected.

We understand that Heroditus was not only a Greek, but a historian.

We observe by the bulletin in the Union that Professor Norton gave an address on "Asbestos Board." His platform, then, must be of fire-proof construction.

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**PROF. NORTON TO REPEAT**  
(Continued from Page 1.)

the student a well-rounded character. The next thing for the student to bear in mind is that we all live under the aspect of eternity. All the great work which is done is really for the future and not the present, and in all our endeavors we must look forward.

When the address ended Dr. Murlin was applauded vigorously.

A SET OF DRAWING INSTRUMENTS, marked M. I. T., Co-operative Society, have recently been found. Will the owner please call at the Bursar's office at once?

WANTED—Violinist for Mandolin Club. Report Tuesday at Union for Rehearsal. (45-4t)

CORPORATE COMMUNION will be held in Trinity Church, Sunday, November 19, 1911, 8 A. M. All Episcopalians cordially invited. (45-2t)

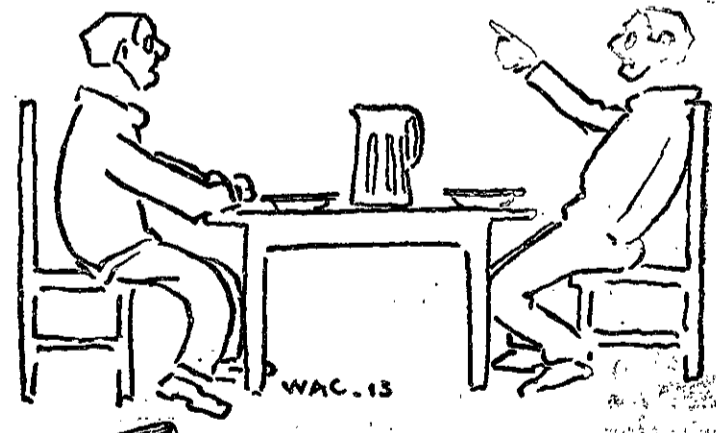
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