

THE TECH

VOL. XXXI. NO. 43

BOSTON, MASS., WEDNESDAY, NOVEMBER 15, 1911

PRICE TWO CENTS

ALL OUT FOR CROSS COUNTRY SEND-OFF

Every Tech Man Expected to Be At Back Bay Station At 10 o'clock.

The cross-country team will leave Back Bay on the 10.07 train or Brown. Not many of us can go to the race, but everybody can go over to the station and give the team a send-off. Every fellow in the Institute is expected to be at Back Bay at 10 o'clock. Put yourself out a little and let the team know that all Tech is behind them. They will surely get a lot of encouragement out of it. If you hustle from your 9 o'clock class you can get to the station in time and still get back for the next recitation.

A bunch of men are planning to go to Providence on the 1.07 train. Everybody who is able ought to go along and help to drown out the Brown cheers at the finish.

The team has improved a lot since the Harvard race and is now in the best of condition. The order of finish of the Tech men is hard to pick, but the order of the Harvard race is likely to prevail. Captain Ferry and E. T. Marceau will surely finish with the leaders. C. A. Cary, N. F. Nye and R. D. Bonney are chosen for the next places, but any of the other men may crowd them out of these positions. Whatever the order at the finish may be, it is pretty certain that the first men across the line will be members of the Tech team.

The results of the race will be reported to THE TECH by special report and posted on the bulletin board. REMEMBER THE TIME: 10.07. EVERYBODY OUT.

THOUSAND MEN.

"If I Were a Student Again," in the Union Thursday.

Thursday noon the Christian Association will hold its weekly meeting in the Union, at which President Murlin of Boston University will speak on a subject that ought to be interesting to every man in the Institute, "If I Were a Student Again." Instead of being one he has reached a position that is certainly the goal of many an enthusiastic school man, and one from which he can view student affairs closely and authoritatively.

Not only is President Murlin famous for his connection with the University, but is at the same time one of the very successful and most sought after public speakers in Boston. A week ago last Sunday he was the principal speaker at the meeting of the Gideon Society in Tremont Temple when Bibles were delivered at every hotel in Boston to be placed in their guests' rooms. This week, Thursday, he will address the congregation in Edward Everett Hale's Church just before he comes here to speak to us in the Union at 1.30.

His inaugural address at Boston University was a very able one that attracted much favorable comment, and the whole inauguration was one of the greatest events of the kind that has occurred here in recent years. Many Tech men must have seen the procession in Copley square that was a part of the ceremony.

The meeting is sure to be a successful and interesting one and the Christian Association wants a good big crowd—"A Thousand Men in the Union."

FIRST YEAR BALLOT WELL FILLED AT LAST

Many Names Coming in at Last Minute Show Wide Range.

After having run up to the last day with only two nomination papers handed in, the Freshmen at last awoke and as a result the official ballot stands below. It is a ballot that seems to be truly representative of the class, at least so far as a ballot for the first year men can be representative.

Of the candidates for President, the files of THE TECH show that Hilton has been temporary chairman of the class; Lycns was the tug-of-war manager; Worlich was the tug-of-war captain, and Barry was on the relay team.

For Vice-President, we find that Hadley was the captain of the winning class football team, and Place was a relay man. Dalton, the temporary treasurer, seems to be interested in his position, for he is a candidate for election. Parker is a tug-of-war man, and Wall is a cross-country man, having made the Harvard team.

Out for the Institute Committee there are men from varied activities. Belcher is trying for THE TECH; Crowell played guard on the football team, and Livermore was on the tug-of-war team, as was Sabin.

Would-be members of the Executive Committee are Morrison, member and manager of the football team, and Woodbridge, who was on the Class Theatre Committee. Scully, the man who became famous in class history as quarter-back of the team, is running for the Athletic Association, as is Curtis of the relay team, and MacNeill of the tug-of-war team. Swain, another tug-of-war man, is after the position of Clerk.

The ballot reads as follows:

For President—G. B. Hilton, B. P. Lyons, T. McC. Worlich and T. J. Barry.

For Vice-President—Howard Wells, H. E. Hadley, A. W. Mack, E. E. Place, H. S. James and R. A. Howe.

For Secretary—C. R. Lord, T. N. Tolar, J. E. Williams, F. F. Fulton, J. A. Tobey and P. M. Hughes.

For Treasurer—M. B. Dalton, A. W. Parker and W. W. Wall.

For Institute Committee—H. Crowell, H. Warfield, L. Livermore, D. Belcher, J. Duff, Jr., H. L. Loeb, B. S. Atkins, C. Wood and H. P. Sabin.

For Executive Committee—B. F. Neilson, A. Morrison and S. T. Woodbridge.

For Athletic Association—F. P. Scully, P. W. MacNeill, E. P. Turner, Jr., A. B. Curtis, T. F. Spear.

For Clerk—C. A. Coleman, W. A. Swain and O. R. Freeman.

The Junior chemists are finding out what is contained in Silly kates.

The aeronauts are a live crowd, what with their phugoid theory and whirling table. What is the phugoid theory, by the way?

There has been such a demand for students during the vacations by mines and reducing plants, places in which the companies will gladly pay for the special skill of the student even before graduation, that there has been no necessity of holding a summer school in mining.

NATURAL RESOURCES MUST BE CONSERVED

Many Hear Fine Talk by Pres. Van Hise of University of Wisconsin.

A large audience was entertained in Huntington Hall last night by a discussion of American Conservation by the President of Wisconsin University, C. R. Van Hise. He covered the subject so ably and so conclusively that one felt keenly the desperate situation with which the nation will be confronted if immediate and radical steps are not taken to conserve our resources.

For the first time in history the Governors of all the States and the most prominent scientific men of the country were called together at Washington by President Roosevelt, for consultation about a subject that was then scarcely ever heard mentioned—the conservation of our diminished natural resources. At that conference plans were started for the country wide publicity campaign that aroused such unparalleled interest and enthusiasm. There the various material resources of the United States were estimated and discussed so that the cause of conservation had many facts that could not be doubted and led to a general public awakening. Following this conference the Governors of nearly every State in the Union appointed Conservation Commissions for their respective States, under whose leadership tremendous public and newspaper clamor was aroused and supported for a time.

This wave of enthusiasm is passing and the real test for the continuance of a national policy in regard to our resources is coming. Will we let this important matter take care of itself, or are we going to fight extravagant tendencies and provide for our descendants?

President Van Hise spoke first on conservation as it applies to coal. He gave some extraordinary figures which indicate that our coal supply would be exhausted in a thousand years, if we should continue to use it as we are doing now. For every ton used a ton to a ton and a half are wasted. It is necessary to waste ten or fifteen per cent, but more than this is simply careless disregard of conditions.

He next treated the subject of natural gas and oil. Natural gas is being used even more extravagantly than coal. We waste more oil than we use. The same old story. We have all the oil and natural gas that we can use at the present time, so we see no reason why we should look out for the future.

The conservation of iron does not present the same difficulties as do coal, oil and natural gas. Iron can often be used over and over again, and is not like fuel—once used, gone forever. The problem in the case of iron is to prevent its waste by rust and loss in preparation for market. There has been a great deal of work done by the United States Steel Corporation in connection with this. They have established almost ideal factories and are producing the best results with a minimum loss of material.

As a direct result of the awakening perception of the exhaustibility of our coal supply the water power of the country has come to be looked upon as important. There is still approxi-

UNDERCLASSMEN JOIN AT CIVILS' MEETING

Storrow Says That Engineer Must Fight—Berger Trip Next Friday.

Yesterday afternoon, at 4.15 o'clock, in Room 6 Lowell, the Civil Engineering Society meeting was held, quite a large number being present.

After a short business session, in which thirty-eight new men were proposed for membership and accepted, a large proportion being from the Sophomore class, Mr. Yearance referred to the proposed trip to the Berger Instrument Factory. The men who are going will be divided into two groups, one starting at 2 o'clock and the other at 3. It is important that as many as possible of the civil engineers should avail themselves of this opportunity, for as Mr. Yearance said, there are many little crooks in the business that it is well to know.

The speaker of the afternoon was Mr. Storrow, for whose presence at the meeting Professor Spofford may be held responsible. Mr. Storrow is a prominent consulting engineer. He began by saying that the life of an engineer consists pretty largely of fighting, fighting against men, natural forces, disaster and other things. However, he expressed his approval of the existing order of things by saying that he hoped all those present would be obliged to earn their living. The work of an engineer is not only to do a certain thing, but first and of first importance, to consider the advisability of doing the thing at all. This point he emphasized throughout his lecture. The fundamental purpose of the contract must be known. Having found this, consideration may be given to the designs of the promoter—the man who tries to sell something he does not own to some one who does not want it.

Mr. Storrow has had considerable experience in irrigation projects and in railroad work, and he gave some interesting information about these two branches of engineering. He said that an engineer must not only be a man of good judgment, capacity and responsibility, but he must learn to lay out clearly all his ideas on a proposition, and in doing so include all the elements. Special importance was attached to the financial end of engineering work. Mr. Storrow talked for about an hour, at the end of which time it was perfectly evident that his lecture had been enjoyed.

The matter of new shingles and society pins was then considered, and the meeting adjourned.

CALENDAR.

Wednesday, November 15, 1911.

1.00—Board Meeting, Lunch—Upper Office.

4.15—Orchestra Rehearsal—Union.

4.15-5.00—Candidates for Gym Team—Gym.

5.00—Hockey Practice—Arena.

5.00—Basketball Practice—Gym.

Thursday, November 16, 1911.

1.30—T. C. A. Talk—President Murlin—Union.

4.15—Mandolin Club Rehearsal—Union.

4.15—Glee Club Rehearsal—Union.

5.00—News Board Meeting—Upper Office.

6.00—Hockey Practice—Arena.

7.45—Conservation Lecture—Huntington Hall.

THE TECH

Published daily, except Sunday, during the college year by students of the Massachusetts Institute of Technology.

Entered as second-class matter, Sept. 15, 1911, at the postoffice at Boston, Mass., under the act of Congress of March 3, 1879.

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Subscriptions, \$2.00 per year, in advance. Single copies, 2 cents.

Subscriptions within the Boston Post-District and outside of the United States must be accompanied by postage at the rate of one cent a copy.

Printed by Rutter, 147 Columbus Ave.
 WEDNESDAY, NOV. 15, 1911

In a communication in Monday's issue complaints were made in regard to the number and pro rata distribution of towels in the Union wash room. It would be practically impossible, as one can easily see, to provide cloth towels for each man to have his own 0.60 sq. ft. for the drying of his hands, with the necessary additional amount for his face, if he should happen to require the latter. For this reason we would suggest a return to the regime of paper towels which were so successfully tried out last year. These were highly appreciated by those who used them, and in addition, each man had an individual towel for himself. In a school where sanitary engineering plays such an important part, it seems that the best available methods of sanitation should be in vogue, not only in the interests of good health, but also for the good standing of the Institute in the advancement of better sanitation.

Furthermore, it might be added that the sanitary arrangements in Rogers and Walker buildings, as well as Engineering B, might well be improved upon, with the expenditure of a little money. We hope that this matter will be given serious consideration in the near future.

The Electrical Engineering Society are arranging for a meeting on next Friday evening, when there will be given a talk on Electrical Vehicles. This topic is one of common interest, and there is always the question present whether or not it will replace the gasoline car in general use. Mr. H. F. Thomson, of the E. E. department, has been performing research work on electric vehicles since the beginning of this year, and will probably have something to say on this subject as well as the speaker of the evening. Mr. Thomson's work was made possible through a fund placed at the disposal of the Institute for that purpose by the "Edison Company."

Everyone is invited to this meeting, and it is hoped that a large number of men will avail themselves of the opportunity to get the results of the latest experimentation on this subject. About one thousand feet of moving pictures will be available, and this should be an added inducement to many of the members.

COSMOPOLITANS TO HAVE CHINESE NIGHT

Celestial Music, Magic, Slides and an Address on the Revolution.

On Saturday, the 18th, at 8 o'clock, in the Union, the Cosmopolitan Club will be the guests of its Chinese members, who have arranged to entertain in typical Oriental fashion. The program has been carefully laid out so that they may give the most interesting and amusing, and at the same time instructive numbers possible without making the formal part of the evening too long.

The mere fact that our Chinese fellow students are entertaining is sufficient to bring out a record crowd, for no one who went last year has forgotten the good time that was then enjoyed. One of the features of the evening will be a little talk on the Revolution now going on in China, by Y. S. Tsao, who was at one time President of the Club. Mr. Tsao is a graduate of Yale and won the oration for three successive years, which is a very great honor. This should give the power to give a very interesting little address, and one that is surely on a very timely subject.

In addition to this they have arranged to give some little bits of Chinese music, lantern slides and magic games and other stunts that are peculiar to China. At the close of the formal entertainment Chinese refreshments will be served.

- The Program:**
 Introductory Remarks—
 David Montt, President.
 Remarks—
 T. P. Hsi, Presiding Officer.
 Chinese Music—
 F. T. Yeh.
 "The Chinese Revolution"—
 Y. S. Tsao.
 Slides of Chinese Scenery and Cities
 Captured by Revolutionists, Chinese
 Stunts—
 T. C. Hsi.
 Shuttle-cock (peculiar Chinese game)—
 T. P. Hsi.
 Chinese Songs—
 Z. Y. Chow.
 Magic—
 S. C. Li.

NATURAL RESOURCES

Continued from page 1

mately ninety million horse-power of unused water-power. This means that, were the power to be used, a hundred and fifty million tons, or one-third of the total coal output, would be saved.

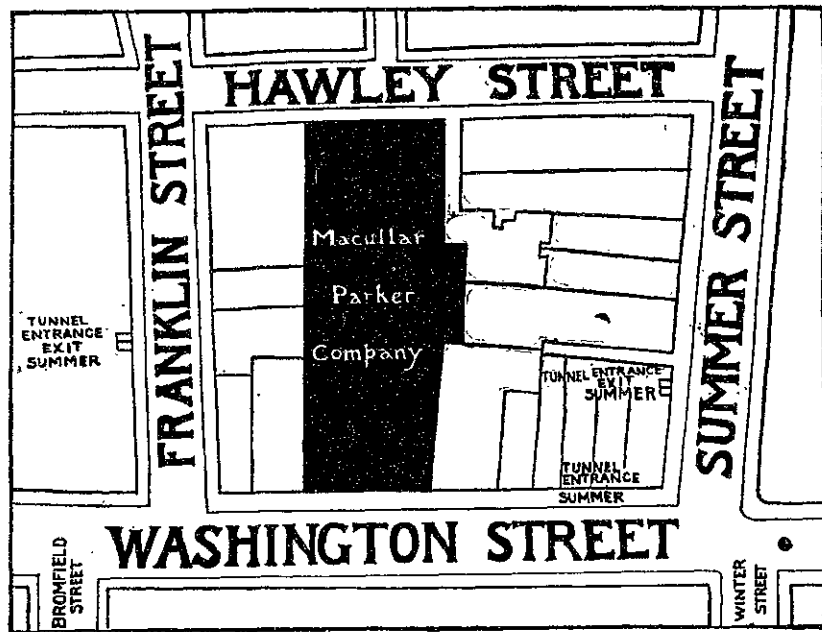
Is it not, then important, that the government or some private concern should develop this gigantic resource? Sweden and Norway have no coal. They are, however, transferring their waterfalls into hydro-electric power plants and thus coming into prominence in the industrial world.

Our forests are being conserved in a gratifying manner, but it will be necessary to produce a tree for every tree which is cut down, and a provision for forest fires must be made before the wood supply will be perpetual. It seems as though a patrol could be organized which would be prepared to check a fire should one get started, and which would minimize the chances of the kindling of a fire by proper care of underbrush.

The interest which Boston people feel in this national subject was shown by the representative audience which was present at the lecture. President Lowell of Harvard was among the attentive listeners and he seemed to agree generally with President Van Hise's views, as did every one present, if one may judge by the hearty applause which the lecturer received.

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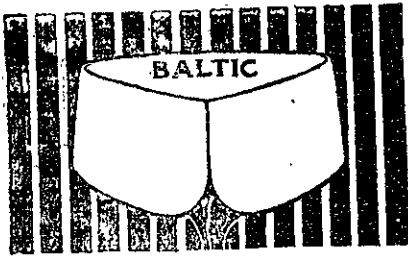
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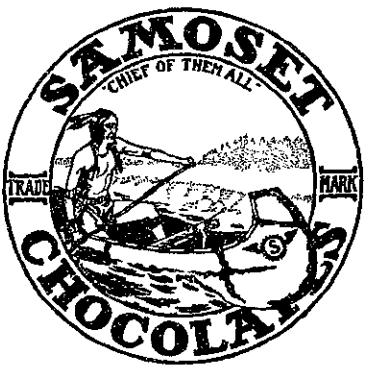
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Strong Team.

From the present outlook Tech will be represented by a strong team on the ice this winter. The squad is made up of many veterans, and with a great wealth of other material among the candidates there ought to be no trouble in developing a well-balanced team. Practice is well under way and the men are beginning to come up to form. The practice at the Arena is being supplemented by other work, assembling the men in the Union and instructing them through blackboard talks. The team this year is going to adopt a style of play which was used with considerable success by a crack hockey team of Boston last winter. This style of play is being drilled into the men, and from present indications the squad seems to be mastering it with a fair degree of proficiency.

Yesterday the practice was fast but was not hard enough so that the men will have to lay off today, and there will be a special hour this afternoon at 5 o'clock and another on Thursday at 6 o'clock. These are very important practices because the first game is so close at hand, and every man should be sure and show up on both days.

The hockey team will play their first game Saturday evening, November 18, with the B. A. A. hockey team, and it is expected to be a hard game. It will, however, not only be a source of good practice, but also of instruction, for the B. A. A. uses practically the same style of play that Tech will adopt this winter. For this reason Captain Sloane wishes to have every candidate show up and get pointers. Manager Ranney is not able to give out the full schedule at the present time, but it will be published as soon as possible.

The practice yesterday afternoon was very fast and the squad made an excellent showing, so that things are very promising for a good team. There are many strong men on the squad, including Ranney, Hurlbutt, Storke, who were on last year's team; Stuchler, who played on the Dartmouth hockey team, and Lange, Eichorn and Yearance, who were on last year's squad. The following men are appearing for practice: Woodward, Hall, Fletcher, Foster, Barker, Mead, Lane, Whittlessey, Thomas, Rogers, Connor, Scully, Hayward, Coffin, Lieb, Alexander, Hopkins.

SOCCKER GAINS FAVOR.

Cornell Makes Game an Inter-Collegiate Sport.

Soccer has been gaining great popularity in the East and has recently been made an intercollegiate activity at Cornell. Here the game will be made particularly attractive this year by assigning two men from the 'Varsity squad to each college to act as coaches. With the experience of the 'Varsity men to aid them in their training it is expected that the improvement in the knowledge of the fine points of the game will result in a much greater interest in it.

Being a sport designed especially to interest those who have not the inclination or the physical stamina necessary for the more strenuous games, none of the 'Varsity men will be allowed to play in the intercollegiate matches. It is planned to make it a non-specialized sport, one that can be played and enjoyed by the ordinary student. The attitude with which soccer was received at Cornell was so favorable as to surprise its most ardent adherents.

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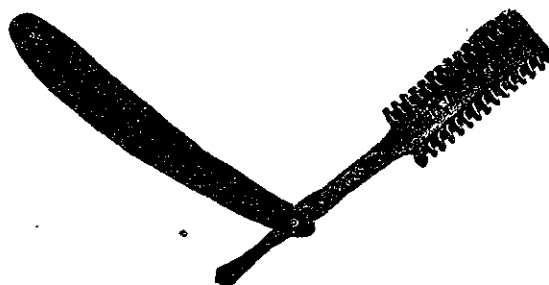
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THE TECH.

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COMMUNICATION.

To the Editor of THE TECH:
I am not a Harvard man, and therefore "my withers are unwrung," either by the result of the game Saturday or the report in Monday's issue of THE TECH. I have understood, however, that THE TECH claims to be non-partisan, and I therefore take the liberty to remark that it is a violation of neutrality to publish an article so full of strong personal feeling. I may add that it is hardly politic, as the Harvard men who are readers of THE TECH are, and have a right to be, much offended by the tone of the report.
Very truly,
Arlo Bates.

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