

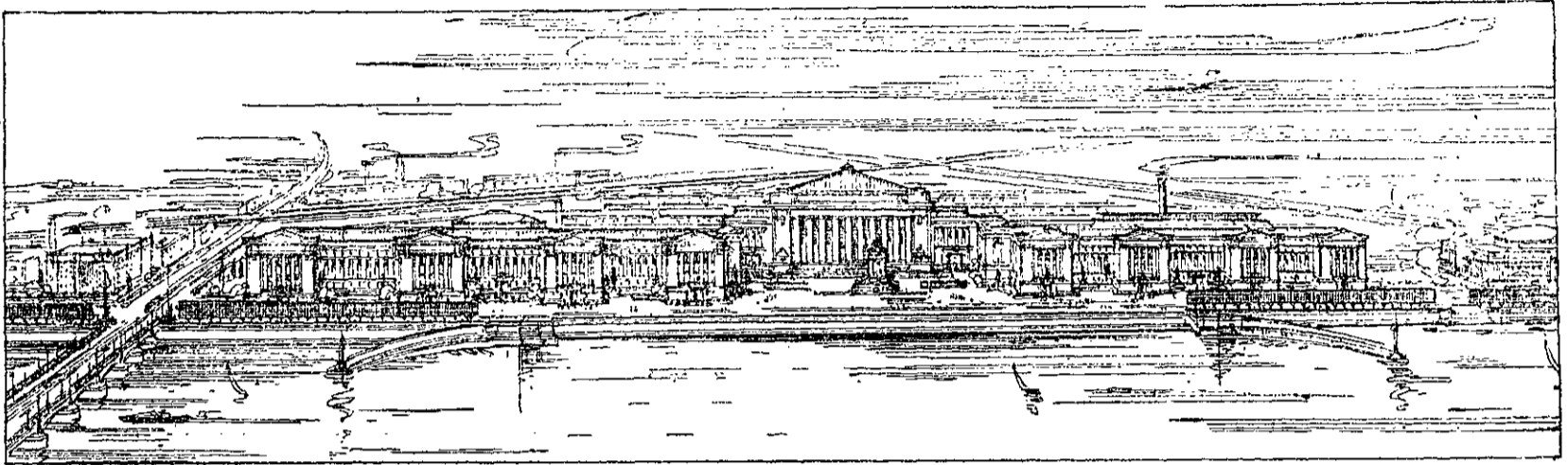
THE TECH

VOL. XXXI. NO. 49

BOSTON, MASS., WEDNESDAY, NOVEMBER 22, 1911

PRICE TWO CENTS

View of New Technology From Across the River.



Courtesy of Christian Science Monitor.

Plan of Arrangement of Buildings for "New Technology"

STREET CLOSING REFERRED TO COM.

Aldermen to Consider Arguments at Meeting Thursday Evening.

The hearing in regard to the closing of Amherst and other streets in Cambridge by the Board of Aldermen of that place was continued last evening. The matter was discussed in length and a large number appeared in favor of closing the streets, while a few appeared in opposition. The general consensus of opinion seemed to be that the city wanted Technology and if they wanted Amherst street closed the best way to clinch the bargain was to close it.

Among those who argued in favor of closing the streets were: Mr. Morss of the firm of Morss & Whyte, and a member of the Corporation of M. I. T.; Mr. Porter of a well-known Boston real estate firm; Theodore Raymond, Mr. Strauss, Senator Harry N. Stearns, Dr. Henry O. Marcey, and Mr. Nolen, one of the leading landscape gardeners of the State, and several others. Mr. Nolen pointed out the possibilities of making the Esplanade with the new Technology one of the beauty spots of Greater Boston. Several letters were read, one from the "Taxpayers' League," in favor of the closing.

Among those to speak in remonstrance were ex-Councilman McLaughlin, Mr. Fiske, who continued his talk of last week with some additional arguments; Gilbert A. Peavey, ex-City Solicitor, and ex-Alderman Beale, who presented their point well.

In a personal interview with President James P. Barrett of the Board of Aldermen this morning, he stated that he expected the Council to concur in the action of the Aldermen and that the matter would be definitely decided at the meeting of the Committee on Highways next Thursday evening at 8 P. M. Watch next Friday morning's TECH for the decision of the committee on the fate of the Cambridge site for the "New Technology."

Harvard lost to the B. A. A. by a score of 2-0 in a practice game, and Tech loses 6-2. Not so bad when we were able to score two goals. It is that scoring power that is apt to count in the end.

CHEMICAL SOCIETY MEETING LAST EVENING

Course XI Petition Granted—Lecture on Asbestos Board.

Last evening the Chemical Society held its first regular meeting in Room 22, Walker Building. There were only about fifty members present; a small number to listen to the fine talk which was given by Professor Norton on "Some Refractory Substitutes for Wood." After the secretary's report, Professor Norton gave his talk, which, in brief, was as follows:

Wood has been the material commonly used, to the present day, for building purposes and according to an insurance man the loss annually is \$300,000,000, due to the use of this combustible material. The architect uses it because his aesthetic eye realizes its beauty.

A substitute for wood must be light and strong. It must be easily sawed, bored and milled. For a time experiments were conducted, not to find a substitute for wood, but to doctor wood in order to make it fireproof. This "doctored" wood was very much in vogue ten years ago and was required by law. This fireproof wood caused great scandals because of its inability to come up to its demands.

The second substitute to come into the market was the metal-covered wood. Copper and tin were generally used, but this was a mechanical protection and not a chemical one. It was cast aside because of the great weight and clumsiness of the doors and their tendency to rust.

Calcined plaster, asbestos or organic fibre, such as coconut fibre, were next used. Metal lathe, for a time, had a large demand in commerce and but for its tendency to rust would have been very satisfactory.

Some refractory substitute was next looked for, and asbestos or mineral wood with cement were used. The oxychlorides of zinc and magnesia were also utilized.

Another substitute used was silicate of soda, but the substance was very sensitive to moisture and therefore unsatisfactory. Because of its suitability the oxychloride of magnesia was for a long time the prime favorite among inventors.

(Continued on Page 3, Col. 2.)

CROSS-COUNTRY TEAM READY FOR RACE

Most Colleges Have Individual Stars to Contest For First Places.

Coach Kanaly is putting the finishing touches on the cross-country team and preparing them to run the race of their lives next Saturday. Every man has been working his best. During the past week Shedd has been running better than ever, and Bonney has been showing lots of speed. Marceau still continues to do a 100-yard sprint at the finish. There is no overconfidence on the squad, but Captain Ferry expects to have an even chance with Harvard, which means at least second place.

Monday the team ran over the course. They pronounced it to be the best one that they have ever seen, and will be just to their liking. It consists almost entirely of grass covered ground with a little swamp to make it hard. There is hardly a level place in the whole course. The knowledge of the country will be of some advantage to them in the race. Yesterday walking practice was in order, and today the team will run at the Field.

The race Saturday will start at 11 o'clock, and admission to the Country Club will be free. It is hoped that a big bunch will take the trouble to go out and encourage the team at the finish. It surely will help a lot. The race promises to be the best yet and one worth seeing.

None of the coaches are giving any opinions of their teams, but most of them think that they have a good show, which would indicate that the race will be fast and close. Reports from the Harvard team say that they are very confident and expect Withington to give Jones of Cornell a race for first place.

Prospects are bright at Dartmouth, where great things are expected of Franz Marceau. Brown is counting on Taber, Yale on March, Michigan on Hanavan, and Penn on McCurdy, to finish in the first few places.

Princeton, Columbia, C. C. N. Y. and Syracuse are weak but have individual members who will make the score of the other teams higher.

We must have organized cheering at the Arena.

DESMOND FITZGERALD INTERESTS TECH CLUB

Large Audience Enjoys Talk of Travels—Many Parts of the World Are Seen.

Mr. Desmond Fitzgerald, the eminent lecturer and traveler, was responsible for a most enjoyable and interesting evening at the Technology Club last night. His talk consisted of a delightful course on several of his travels and the many quaint places and things which he has seen. To add to the interest of the lecture, pictures were shown on the screen which Mr. Fitzgerald had taken himself. For this reason he was closely in touch with the various places and things which he described and was able to make his lecture almost as good as a trip in person for each one in the audience.

The lecturer first considered several of the interesting byways of Italian cities, including Florence, Naples and Venice. He next spoke of Switzerland, particularly of the beautiful country regions, of Lake Lucerne and the Alps. Germany, France and England were next taken up, with their beautiful farm districts and stretches of rugged coast. His listeners were then rushed across the Atlantic to America, and views of the delightful New England district and the wonderful canons of Colorado were shown. Finally the unknown and inland regions of the Philippines were spoken of, with their splendid tropical growth and unusual customs which even now are so strange to most Americans.

After this interesting talk President Humphrey of the Technology Club thanked Mr. Fitzgerald and invited the company to have refreshments.

Which are you: Graduate Student, Regular, Special, or Unclassified?

CALENDAR.

Wednesday, November 22, 1911.
4.15—Institute Committee Meeting—Union.
4.15—Gym Team—Gym.
4.00—English High School Club—Union.
5.00—Basketball—Gym.
7.30—Mining Society—Union.
6.00 P. M.—Hockey Practice—Arena.

THE TECH

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WEDNESDAY, NOV. 22, 1911

THURSDAY ISSUE.

Editor—A. H. Waitt, 1914.

Associates—M. B. Lewis, Jr., 1913; P. Kellar, 1914; M. Kaufman, 1915.

What are you going to do Thanksgiving Day? If you are living at home or near enough so that you can eat your turkey with your folks, this does not concern you, and you needn't read any further. But if you are far away from home and are expecting to eat dinner at a restaurant next week Thursday, just like every other day, then this does concern you. Would you enjoy eating with a crowd of Tech men, then spending part of the whole afternoon in the Union, singing, telling stories and having a general good time? If so, give your name to the Secretary of the T. C. A., Mr. Talbot, Charles A. Cary or Rudolph H. Fox, before Friday noon of this week. If enough men are interested arrangements will be made to have the Union open, and a genuine New England Thanksgiving Dinner will be served.

Mr. Colton does not claim to take the place of Mother and home cooking; in fact he makes no claims whatever. But you know that when he sets out to do a thing he does it, and that if you do eat at his table, you'll have a good dinner. It is now up to you. The T. C. A. believes that there are a number of men in the Institute who would like to spend Thanksgiving with some of their fellow students. But it is a physical impossibility to ask each one of 1500 men whether he is one of them.

The only way is to leave it to the men who are interested to use enough initiative to start the plan.

This is not a trap. It is not a plan for a religious meeting or to raise money, or anything of the sort. It is just a plan for a wholesome good time. If you are interested, hand in your name TO-DAY.

The Friday Evening Entertainment Committee have evidently given up all hope of interesting the student body since the night when fifteen undergraduates listened to Mr. Humphrey's interesting lecture on Spain. Why would it not be a good plan to give the students another trial before the year and let them show that they are interested in having entertainments?

N. Y. METALLURGIST LECTURES TOMORROW

Prof. Bradley Stoughton Will Speak to Miners in R B at 8.00 P. M.

Thursday evening the Mining Engineering Society will hold a meeting in the Union. This meeting was originally intended to be held Wednesday evening, but through some mistake and an act of courtesy on the part of the society, Professor Bradley Stoughton of New York city, who is to be the principal speaker, will give a talk, previously arranged for Wednesday evening, on Thursday, in Room 11, Engineering B.

Professor Bradley Stoughton was graduated from the Mining Engineering Department of the Institute with the class of 1896, after having obtained his degree at Yale University. He was a member of the Faculty of the Columbia School of Mines in the department of metallurgy, and at the time Dr. Henry M. Howe, the noted specialist on iron and steel, was at the head of the department, Professor Stoughton was really in charge.

In 1908 he published a widely circulated text-book called "The Metallurgy of Iron and Steel," having abandoned teaching and devoting himself to professional work. Professor Stoughton will bring a large number of lantern slides dealing with the iron and steel industry, and will also give a number of stories of his own experience.

Everyone is cordially invited to come and hear this talk, which will, without any doubt, be one of the most interesting lectures ever given before an Institute society. Typical miners' refreshments will be served at the end of the meeting, and this additional inducement should call out a large crowd.

ATHLETIC MEETING.

The Athletic Association held a special meeting in the Union yesterday afternoon. The first business transacted was the election of temporary President and a Secretary and Treasurer to hold office until the regular meeting to be held on December 5th. P. Dalrymple, the track captain, was unanimously elected President, and Ranney, the hockey team manager, was the unanimous choice for Secretary and Treasurer.

The question of awarding the numeral to the substitutes on the winning Field Day teams was discussed, and Mr. Ranney was appointed to examine the matter.

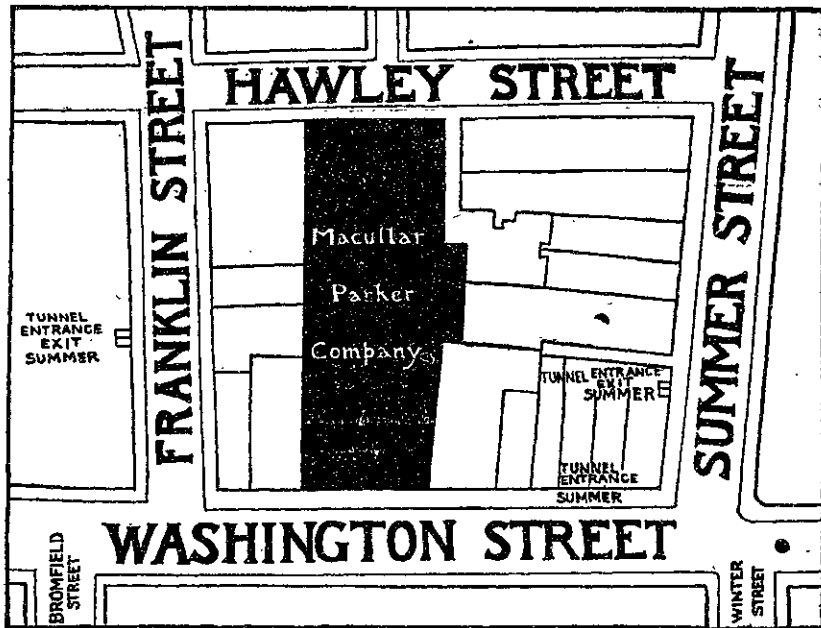
SAY, FELLOWS!!!

If you have got a dollar that isn't working and you want to get the most you can for it spend a night at the Tremont Turkish Bath under the Tremont Theatre. The greatest sensation you ever experienced.

The Technology Orchestra is evidently going to get down to business at last and quit their internal quibbling, organize on a business basis and show the undergraduates that they are an organization which will turn out to be a permanent one. Their desire to be represented on the Institute Committee seems to be no more than a just one, as the Institute Committee is supposed to be a representative body of the various activities, and why should we allow an orchestra bearing our name to float around loose, without either sanctioning their use of the name "Technology," or obliging them to discontinue the use of the name. Why not have all the activities represented on the Institute Committee instead of a few favorites.

The Chinese will get a lot of credit for being good entertainers for the men and their feminine friends who were at the Union Saturday night.

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There will be a practice for all who are trying or will try for the hockey team at the Arena tonight, at 6 o'clock. The manager has made arrangements to have the entire ice from 6 until 7 o'clock, and it is hoped that many will be present.

To turn out a team that will properly represent M. I. T. a large number of players must be on hand from whom the captain can pick the 'Varsity seven. In previous years Technology has been well represented on the ice, and she will be this year if the men come out for practice. For a fellow to hesitate about trying for the team just because he is afraid that he will not make it is not an evidence of "Tech spirit."

Remember! The Arena at six tonight, dressed in hockey clothes.

YALE HOPEFUL.

Practice and Coaching Progressing
Better Than Expected.

The Yale team, although much broken-hearted over the defeat of last week, is pulling itself together in fine shape. The men have faith in Capt. Howe and believe that had he been in proper physical condition Yale would have made a meal of the Tigers. Capt. Howe took complete rest over Sunday in New Britain, but had to take entire charge of the practice on Monday afternoon, owing to the absence of all of the regular coaches except Dr. Brides.

With the return of the coaches on Tuesday came Fred Daly, last year's captain, and Ed. Savage, former end and full-back. They will remain all the week assisting in the coaching, and it is expected will be able to give the men many pointers. Frank Hinkey, the veteran coach, has been located, and will probably be in New Haven after Tuesday morning.

CHEMICAL SOCIETY

(Continued from Page 1.)

Asbestos is found in great quantities in Russia and Italy. It is treated with sodium bicarbonate, fired and dried. This operation is repeated a few times, after which it is made into fine boards. This material stands acids very well. Any homogeneous substance which is similar to wood is satisfactory. Asbestos, being finally accepted as the suitable fibre, the next question was a cement to hold it together. The oxide of magnesia not carbonating readily was used. A calcium silicate and aluminum mixture, nearly identical to Portland cement, is now used to bind the fibres together.

The asbestos boards, as turned out today, are subjected to an enormous pressure before being sent from the factory.

Artificial stone tiles, roof shingles, and hundreds of other things are made from this asbestos. It has a very extensive use in the electrical field for switchboards and bases. The softer asbestos can be readily sawed with the ordinary circular saw and easily bored. Sea-water attacks it somewhat, but fresh water has very little, if any, effect on it.

The market for this asbestos material is steadily increasing, and it is only a matter of time when all buildings must be equipped throughout with this fireproof substance.

During the meeting it was unanimously decided that the men of Course XI were eligible to membership in the Chemical Society. At the close of the meeting refreshments were served in Room 24.

PROF. SEDGWICK ON TRIP TO PITTSBURGH

Has Continued Work On "Dangers of Illuminating Gas"
Here Next Week.

Professor W. T. Sedgwick, head of the Biology Department at the Institute, left Monday for Pittsburgh. Dr. Sedgwick was on the committee appointed two years ago to consider the health problems of that city, and through this office became well known in the city which he is visiting.

He will address the University of Pittsburgh students tonight upon "Sanitary Science and Public Health." On Thursday evening he has been invited to give an informal talk at a smoker of the M. I. T. Pittsburgh Association.

Professor Sedgwick will then go to New York City. He plans to speak before the Harvey Society of that city on Saturday evening, his subject being "Illuminating Gas and its Relation to Public Health." This speech will be in a way an extension of the Report to Boston Societies last winter, the subject of which was, "Relation of Gas to the Mortality Rate." This matter has been carefully investigated by the Biology Department, and Professor Sedgwick is probably the greatest authority upon the matter.

Dr. Sedgwick is expected to return the first of next week.

E. H. S. GRADUATES.

All are Requested to be in Union
This Afternoon.

All men from the English High School are once more reminded that an important meeting is to be held this afternoon at 4 o'clock in the Union. It is necessary that all men who can possibly arrange to be there should show up as an important matter is to be discussed at that time. Seniors and Juniors who know something about the club are earnestly requested to be present and tell what they know and offer suggestions concerning the reorganization. This club will give men from E. H. S. an opportunity to get together and help each other in numerous ways. It is up to the men to show their school spirit and sacrifice a little time for the benefit of all. The meeting will not last long if everyone makes it a point to get there promptly at 4 o'clock.

TECH HAS VISITOR.

Senor Ferlini of Brazil Investigates M. I. T. Methods.

The Institute of Technology has as a guest Senor Jose Ferlini, Secretary of "The College of Engineers," a university in Brazil.

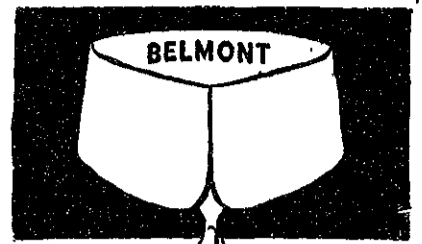
The institution which Senor Ferlini represents is one of the finest South American technical schools. It provides ten courses for its students that include a great variety of subjects ranging from astronomy, engineering sciences and arts to agriculture.

The Brazilian government intends to send a number of students to the leading scientific schools of the world. Senor Ferlini has made a tour of Europe to investigate the colleges there, and he is now examining some of the American institutions. He will recommend to his government the colleges that have seemed to him the most adequate. We hope to be able to welcome some Brazilians next year.

Thanksgiving is the next holiday!

Will Harvard beat Yale, and who will be on the All-American team?

There is some class to the way in which Sam White has won the college championship for Princeton.



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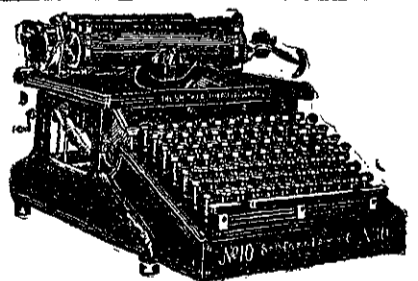
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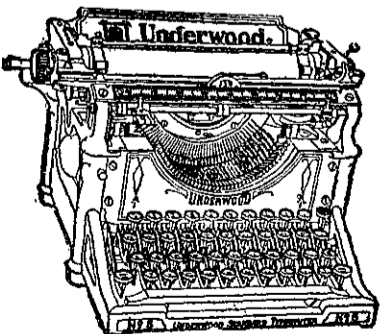
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THE TECH.

All members of the News Department are expected at the meeting Thursday afternoon at 5 P. M., as per the notice posted in the Lower Office.

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INSTITUTE COMMITTEE

The Institute will hold a regular meeting in the Union this afternoon. This will be the last meeting before the election of the Freshmen members, as their ballots are due Thursday. Important matters are scheduled for discussion, among which will probably be the possibility of representation for the Orchestra on the committee.

Cornell for first, Harvard a very close second, and Tech for third is the latest on the cross-country situation.

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