

THE TECH

VOL. XXXI. NO. 42

BOSTON, MASS., TUESDAY, NOVEMBER 14, 1911

PRICE TWO CENTS

CROSS-COUNTRY TEAM WILL RUN BROWN

Brown Team Unknown But Is Said to Be Fast—Team Leaves on 9.30 Train.

Tomorrow the cross-country team will meet the Brown team on the Providence course. The Brown team has not raced this year as yet, and is an unknown quantity, but from reports it is well balanced, although it has no very great stars. The Tech team is made up of about the same kind of material, so a close race is expected.

Taber, Roberts and Cook of last year's team are probably Brown's best men. H. S. Nash, C. W. Walker and E. M. Rose have also shown up well. The Brown Daily Herald reports only a small squad out, but much progress is being made in the last few weeks.

The Tech team will probably not have a chance to go over the course before the race and will have to rely on a description. The course runs as follows: North, a half mile from Andrews Field, then turns to the right across fields to the Blackstone Boulevard. It then turns to the south on a sandy path along the Seekonk river for about half a mile; then up the boulevard, across several streets to Hope street. It finishes with 300 yards on the track at the field. The course is well varied, containing fields, woods, soft and hard roads and several grades.

The team will leave at 9.30 and the race starts at 3.30. Several men are planning to go to Providence on the 1.07 train from Back Bay. Everybody who can should go along and help the team to win by their cheering.

The men entered are:

Tech—E. W. Newlin, 1914; A. F. Nye, 1914; G. C. Shedd, 1914; E. E. Ferry, 1912 (captain); R. D. Bonney, 1913; R. T. Palmer, 1913; C. W. Wilkins, 1914; C. A. Cary, 1912; C. S. Lee, 1914; E. T. Marceau, 1912; W. W. Wall, 1915; A. F. Peaseley, 1915.

Brown—C. H. Parker, E. M. Rose, H. S. Taber (captain), T. H. Roberts, C. W. Walker, A. W. Cook, N. S. Nash, C. M. Cross, L. Hall, W. R. Sheffield, H. N. Taylor and W. R. Waterman.

ORCHESTRA IN COMBINE.

To Play With Musical Clubs in Big Annual Winter Concert.

At a joint meeting of the Orchestra Executive Committee and the Musical Clubs plans were arranged for the Orchestra to have its place in the winter concert. The Orchestra will participate in an opening overture, and a double number in the middle of the program. At the rehearsal Wednesday the management will outline to the Orchestra members the conditions for playing with the Musical Clubs.

Since a possible concert with the Tufts Musical Clubs is anticipated very soon, and other important plans are nearing completion, it is obviously important for men to begin regular attendance Wednesday. It is hoped that men in the Institute who are not members will turn out for this rehearsal.

The successes of the organization last year and the attempt to make a better one this year should increase the membership to the desired number. A little difficult music is being rehearsed for this concert, but instead of being a discouragement to members it should be an added stimulus. A good attendance is desired at the rehearsal at 4.15 Wednesday.

PROF. NORTON WILL ADDRESS ENGINEERS

Speaks on Substitutes for Wood in Chipman Hall—M. E. Society to Attend.

Charles L. Norton, professor of heat measurements at the Institute, is to deliver a lecture on Wednesday, November 15, 1911. His subject, which has been advertised upon the posters in all the corridors is: "Some Refractory Substitutes for Wood," and promises to be of great interest to all men engaged in scientific work or study.

The lecture is to be delivered at 7.45 P. M., in Chipman Hall, which is one of the halls in the Tremont Temple building. Professor Norton is to deliver his talk under the auspices of the American Society of Mechanical Engineers, with which is affiliated the M. E. Society of the Institute. These two societies are in this affair combined with the American Institute of Electrical Engineers and the Boston Society of Civil Engineers.

Admission to the lecture is to be free, and it would be well for every Institute man to attend. The subject upon which Professor Norton is to speak is one of vast importance at the present time and will undoubtedly be well and scientifically treated by Professor Norton.

FINANCIAL PROBLEMS.

Samuel Storrow, '90, to Speak To Civils Today in II B.

"Financial Problems in Engineering" is the subject of a talk to be given this afternoon at 4 o'clock, in II Eng. B, by Samuel Storrow, A. B., a graduate from Course I. From the fact that Mr. Storrow's work has been to advise capitalists and financiers on engineering problems, he should be exceptionally well fitted to explain the subject to the men. Irrigation and hydraulic engineering propositions have also been successfully dealt with by Mr. Storrow.

Although a Boston man, Mr. Storrow's business is carried on in Los Angeles, from which Western coast city he has come to Boston and the East on a short visit. It is hoped that the Civils will show their appreciation of Mr. Storrow's kindness and turn out in large numbers.

CONSERVATION LECTURES

This evening and Thursday evening there will be delivered lectures on Conservation. The lectures are given by Charles R. Van Hise, LL.D., President of the University of Wisconsin, and from the man and his topic would appear to be instructive as well as interesting to us, to whom in the future this question will be brought home.

The lectures are one of the course of the Lowell Institute, and begin at 8 o'clock. Doors are closed at that time but will be opened at 7.30. Tickets may be obtained at the Registrar's office.

R. P. BIGELOW MARRIED.

Last Thursday afternoon Miss Caroline Evans Chase of Milton, and Robert Paine Bigelow, Institute librarian, were married at the Church of the Holy Spirit, Mattapan, by Rev. Allan M. Taylor, rector of the parish. Following the ceremony a reception was held at the home of the bride's parents.

NEW SOCIETY FORMED AMONG ARCHITECTS

Architectural Engineering Will Link Course IV with Civils For Mutual Benefit.

The most recent addition to the professional societies of the Institute is the newly organized Architectural Engineering Society. The need of such an organization has long been felt by students of Option 2 of the architectural course, but the fact that the classes have heretofore been quite small in number seemed hardly to necessitate the organization of a second professional society in the department.

Last year, however, an unusually large Junior class, made up almost entirely of college graduates and former college students, entered the department. During the second term these men feel the need of a society within the department which would give more attention to engineering questions than did the already existing Architectural Society which covered naturally only the aesthetic side of the course. The idea was talked over informally among the men, but at that time owing to the nearness of the term it seemed best to postpone any definite action until this fall. The return of all the members of last year's Junior class made it comparatively easy for them this year as seniors to go ahead with the movement.

About three weeks ago an informal meeting of the men was held in the exhibition room and Prof. W. H. Lawrence, head of the engineering course, was called upon to speak. He was very much in favor of the plan and outlined a tentative basis upon which an organization might be built. Following the talk of Prof. Lawrence, Clarence Morrow, '12, was selected to the committee on organization, the other members being J. Howard Cather, C. W. Somers, Paul Jeffers and C. W. Funk, all Seniors.

These men drew up a constitution which was submitted to the department for approval. The sanction of the Architectural faculty having been obtained the class proceeded with a definite aim, and the following officers were elected: President, Clarence Morrow; Vice-President, C. W. Somers; Secretary, Sec. Bailey; Treasurer, C. A. Funk.

The undergraduate membership is made up of two classes, fellows who are taking the course in option 2 and who are candidates for a degree, and members who may be any student in good standing in the architectural course.

It is the intention to hold frequent smoke talks and lectures, at which the engineering side of architecture is discussed, and it is to be hoped that many of the able engineers of Boston and vicinity may be prevailed upon to talk to the men and give practical advice for construction problems.

The society is organized to present only the engineering work of the department and works hand in hand with the Architectural Society for the maintaining of a high standard of work among the students.

BOOKMILLER TO SAIL.

Major E. V. Bookmiller, instructor in Military Science last year at the Institute, has been ordered to join his regiment, the Ninth Infantry, in the Philippines. He has been in the Army General Hospital recuperating from a nervous trouble, and will probably leave on the first transport in the early part of next month.

AERONAUTS GATHER TO DISCUSS STRESSES

Merrill and Morrow Talk—Live Birds Compared to Man's Mechanical Flyers.

The meeting of the Aero Club was held in 27 Rogers yesterday afternoon, at 4.30 o'clock. After the secretary's report, Mr. Morrow, one of the members of the club, gave a very interesting talk on "Stresses in Aeroplanes." His talk, in brief, was the nature of the various stresses which act on an aeroplane. He said in order to gain safety we must know the maximum stresses, when the machine is at rest, when landing, when in horizontal flight, and when turning about a vertical axis. The greatest stress occurs when the machine is gliding along and is suddenly turned upward into the air. When the machine is in normal flight the forces acting on it are in equilibrium. The forces become immediately unbalanced when the direction of the flight is changed. The statement was made that the stress on the machine was proportional to the square of the velocity. At this point a very lively discussion ensued, the argument being concerned with the stresses when the machine was tilted at an angle with the horizontal plans.

Mr. Merrill, who is at the head of the aeronautical department of the Boston Y. M. C. A., was present at the meeting and also gave an interesting talk concerning chiefly the velocity of flying birds. He said that if a bird or an aeroplane glided down towards the horizontal and then up again to the original height that, if the horizontal velocity was increased, enough power would be developed to carry it past this upper point and down the next slope.

A large number of members were present at this meeting and everyone seemed to be interested to the utmost in what was being said.

Mr. F. W. Caldwell will give a talk on "Propellers" at the next meeting, which will be held one week from next Monday.

CALENDAR.

Tuesday, November 14, 1911.

4.15—Mandolin Club Rehearsal—Union.

4.15—C. E. Society in Lowell 6.

5.00—Technique Board Meeting.

5.00—Hockey Squad—Union.

6.00—Hockey Practice—Arena.

7.30—E. E. Society in the Union.

7.45—Conservation Lecture—Huntington Hall.

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.

4.30—Basketball Candidates—Gym.

5.00—Basketball Practice—Gym.

Thursday, November 16, 1911.

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

4.15—Mandolin Club Rehearsal—Union.

4.15—Glee Club Rehearsal—Union.

5.00—News Board Meeting—Upper Office.

7.45—Conservation Lecture—Huntington Hall.

Friday, November 17, 1911.

4.15-5.00—Candidates for Gym Team—Gym.

4.30—Basketball Candidates—Gym.

7.30—Electricals' Meeting—Union.

THE TECH

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TUESDAY, NOV. 14, 1911

The Freshman Class won on Field Day and evidently since that time they have fallen into a state of lethargy, and are content to rest on their honors and spend their time "smoking their Class Pipes on Rogers Steps." Several days ago a notice was posted calling for nominations for permanent officers for the year, the nominations to close today at 1 P. M. Yesterday, at 4 P. M., there had been just two names brought forward to fill eight or more offices, and the constitution requires that at least three names be nominated for each position, so it is seen that where twenty-four or more names should have been in, there were but two. The class officers of any class are very important and the class should have as large an array of possibilities as can be had, in order to make the best choice of men to lead them through the year.

Some of the men may say that now we have won Field Day there is nothing else for us to do; we are superior to the Sophs and we will stick out our chests and let people know who we are. But there is something for you to do now for the Institute of Technology which should offer you greater chances for showing your prowess than even the class games, and the first thing necessary in carrying out these ends is to elect class officers and to elect the best possible men available to the positions.

It is now up to the members of the Class of 1915 to get busy today and circulate nomination papers for the men whom they think would make good in the various offices; but above all things, start in right now, because if you don't, you will be too late. Remember, Nominations close at 1 P. M. today.

Why don't you come around to the Cage and get your mail and not wait until the Bursar sends it to your house?

Only seventeen States and two foreign countries are represented at Worcester Polytech in the entering class. Rather a striking contrast to our wide and ever widening field.

Too bad that you didn't get into the famous men's column in the paper the other day. Cheer up, there may be another one run in the paper fifty years from now.

E. E. SOCIETY TO GIVE ILLUSTRATED LECTURE

Day Baker of General Vehicle Co. Will Discuss Electric Vehicles.

The next Electrical Engineering Society meeting will be held next Friday evening in the Union. The speaker will be Mr. Day Baker, the New England superintendent of the General Vehicle Company. As an appropriate subject for the occasion, Mr. Baker will discuss Electric Vehicles. The first part of his lecture will be on the different modern types of these vehicles. After this the various methods of installation will be fully taken up. Stereopticon slides will furnish accompanying illustrations for both these divisions of the subject. A third part of the lecture will be the consideration of some of the more original adaptations and the unusual uses to which electric vehicles are sometimes put. More lantern slides concerning these machines will be given at this time.

In an earlier edition of THE TECH, in which a brief announcement of this meeting was given, mention was made of these stereopticon views. Since that time the society has found it possible to give 1600 feet of moving picture film. This film will, of course, be even more interesting than the lantern slides.

Mr. H. F. Thompson is conducting an investigation along these lines for the Institute, and this fact makes the subject particularly interesting to Tech men.

The way in which lectures conducted in this way have always been received practically assures the success of Friday evening's program. The meeting will commence at 7.30 o'clock in the Union. Everybody is welcome.

WILSON HIGH MAN.

Heads List in DuPont Cup Competition—Baker Second.

Louis A. Wilson, 1914, of Dorchester, is the leader in the DuPont cup competition, the fall season having ended Saturday. Wilson scored a total of 163 points in the three required events. The points are scored similar to the way they are scored in the all-round championships, that is, so many for a certain time in the run and distance in the weight and field.

The winner for the cup each year gets his name engraved on the large trophy kept in the Union and is presented with a small copy of it.

The competitor is given the chance to pick out any one of the three common events, a run, a field event and a weight. Wilson, who is the best sprinter at the Institute, chose the 220-yard dash, the broad jump and the discus. He competed in the dark and the distances had to be measured by lantern light. His performances were as follows: 220 yards' dash, 24 2-5, counting 90 points; discus, 76 feet, counting 2 points, and the broad jump, 19 feet, 6 inches, counting 76 points.

The other competitors, who were all Freshmen, rank in the following order: D. B. Baker, 45; C. L. Hall, 35; H. C. Thomas, 25; L. F. Quirk, 22; C. W. Lovell, 22; E. E. Freeman, 16; J. C. Hall, 11, and C. T. Dunn, 10.

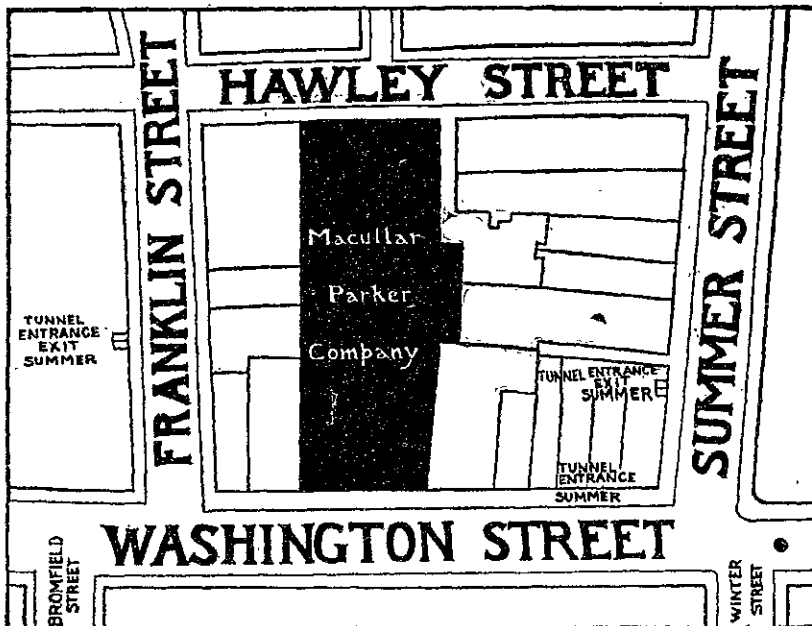
Prospects for the swimming team look bright.

Have you paid your last year's T. C. A. subscriptions yet?

It is probable that both Japan and China will have strong teams at the Olympic games in Sweden in 1912.

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**VARSDITY BASKETBALL
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Preliminary Practice Proves
Need and Value of New
Men on Squad.

A large number of men turned out for basketball practice in the "gym" yesterday afternoon. All the material is good and when the time comes to pick a team the result should be a first-class one. From now on practice will be held every Monday, Wednesday and Friday afternoons, at 4.30, in the Gymnasium.

Several minor games will be played before the regular schedule starts in December. The work at present will consist mainly of practice in shooting and passing. Later on a number of teams will be picked from the squad and they will play each other in practice games. Capt. Schar is well pleased with the showing which has been made thus far, and believes that the team will undoubtedly regain its standing with the faculty this year and will merit the recognition of the Advisory Council. Most of the games to be played this year are away from home and a sufficient amount of money should be obtained from guarantees with which to defray all expenses.

Schar, 1912, Freeman, 1912, and Mowry, 1912, are the only members of last year's team who are left. Among the candidates who are out for the team are: Metcalf, 1912; Macdonald, 1913; Price, 1913; Sampson, 1913; Hudson, 1913; Schatze, 1913; Ruoff, 1914, a football man; Morie, 1915; Brandt and Newman.

FINANCE COMMITTEE.

(Special by Chairman Kebben.)
Comparatively little is known of this important committee outside of the members themselves, and it might not be out of place to insert a short sketch of its membership, methods of working and advantages in the columns of THE TECH.

The Finance Committee is composed of the treasurers of all the Institute activities, such as THE TECH, Technique, Tech Show, Athletic Association, Musical Clubs, Professional Societies, Scientific Societies, the four classes, Junior Prom and important committees. Three Alumni members, Isaac W. Litchfield, H. L. Coburn and G. B. Perkins, '05, act as an advisory board, suggesting means whereby better business methods may be pursued and introducing more system into the balancing of accounts and the keeping of books. The President of the Senior Class is Chairman. Monthly meetings are held in the Union, dinner being served first and afterward taking up the business of the meeting. This consists of a general report being read by each member, stating just the condition of the finances of the particular activity which he represents. The committee then suggest ways and means for decreasing expenditures or for a more judicious use of moneys and disposition of funds.

In this way a general knowledge of the progress of each activity is obtained and it becomes a matter of pride to present a good financial report each month.

Last year it helped materially in bring several activities through the year into good shape which otherwise would have been seriously handicapped. There arises a spirit of co-operation which cannot be too greatly emphasized, for it brings about a closer and helpful association among the activities.

The dinners are always extremely enjoyable affairs and the discussions which always follow are an aid in keeping Institute activities on the high plane they are at present.

The first dinner and meeting of the year will occur on Thursday evening, Nov. 16, at 6 o'clock, in the upper dining-room of the Union.

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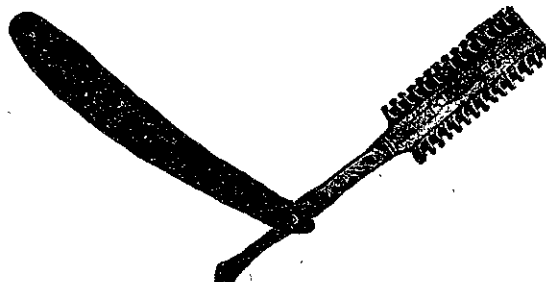
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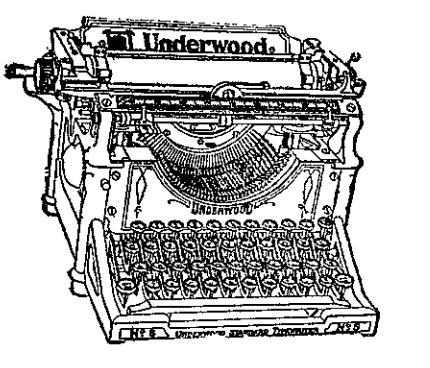
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