

THE TECH

VOL. XXVII. No. 35

BOSTON, MASS., FRIDAY, DECEMBER 20, 1907

PRICE THREE CENTS

ACTIVE SEASON AHEAD OF TRACK TEAM.

WINTER WORK BEGUN.

Six Meets Planned. First Class Meet On January 3rd.

Winter track work at the Gym is now well under way and the team is working in preparation for the meets that lie ahead of it. Some time ago a few of the men started in work and now the general call for candidates has been issued by Captain Orr. The schedule of the team starts very soon and there is no time to lose in getting the team into condition.

The first event in the sphere of track athletics at the Institute will be the indoor class championship meet which will be held on January 3rd, a few days after the students get back from the regular Christmas vacation. A short while after the vacation, however, will be afforded for practice as the men have to be back at school before New Year's day.

At this meet all the events that can be contested in the Gym will be run off. They will comprise the forty yard dash, the quarter mile run, the 880, the mile, the shot put, the high jump, the pole vault, and the broad jump.

All the classes will be represented and the scores of the men will count on the class championship for the year.

Technology will enter a team in the B. A. A. games on the first of February and in all probability will run against Williams in the one mile relay with five men on a team, each man to run 390 yards. Last year the team ran against Holy Cross at these games and the result was very unsatisfactory from several standpoints. Technology has already indicated its willingness to match up with the team from Williamstown and the B. A. A. authorities hope to arrange the race. It will be a much harder proposition than that usually met by the Tech team at the mid-winter games.

In the early part of February it is very probable that Tech will have a dual meet with Holy Cross. It will be held in Boston. In anticipation of this meet Coach Kanaly has been taking particular pains with the varsity team.

In the spring Tech meets the University of Maine in a dual meet to be held in this city. It is a return contest for the one held last season on the Maine field at Orno. The Brown meet is still in the air and it is not yet certain what will be done about it. The two managers have been talking the matter over and the meet may be held again this year at Tech Field, the same place as it was run last year.

It is a far cry from Boston to New Brunswick, New Jersey, but Technology has had an offer for a track meet from Rutgers College. The proposition was for a meet in this city. On account of the great distance and expense attendant on such a contest it is hardly likely that it can be arranged.

At the Pennsylvania Relay carnival in Philadelphia Technology will be represented in the one mile relay race championship of New England. The team last year won this event and another team will be sent this season to try its luck in the same contest. The chances for a good showing seem extremely good, and any distinction gained at these races is of double value.

TO REPOPULATE FORESTS.

Plan For National Forests Discussed Before Society of Arts.

Forestry, with special reference to the proposed plan for national forests in the White and Appalachian mountains, was the subject of Mr. Philip W. Ayres, Forester of New Hampshire, last evening, at a meeting of the Society of Arts. A very interesting talk, illustrated by a number of fine lantern slides, was given by Mr. Ayres, showing how our great forests are rapidly being used up, and the great chance for success in the department of forestry. The meeting was well attended.

SOCIAL EVENT OF WINTER SEASON AT TECH

MUSICAL CONCERT A SUCCESS.

Glee, Banjo, and Mandolin Clubs Take Part. A Dance Follows.

The mid-winter climax of all Tech social activity, the Annual Winter Concert, held last night, was a great success. From the first Glee Club song to the last, the stein song, in which all joined, there was not a dull moment. The audience showed its appreciation by enthusiastically demanding encores. Among these encores were "Shandon Belles," by the Glee Club, and "Four Little Black Berries" by the Mandolin Club. The Banjo Club made a great hit with its "Big Chief Battle Axe" encore and Mr. A. H. Thompson, the cellist, responded with a selection "Evening Star."

This general good feeling in evidence during the concert carried itself into the dance which took place later. It was specially noticed in the Barn Dance.

The program:

1. Ho Jolly Jenkin, Glee Club, Sullivan
2. Across the Missouri, Bond
Mandolin Club.
3. Cello Solo, "Cantilema," Goltimann
Mr. Abbot H. Thompson.
4. (a) The Rosary, Nevin
(b) Absent, Metcalf
Quartet.
5. Pastimes on the Levee, Turner
Banjo Club.
6. Winter Song, Glee Club, Bullard
7. Estudiantina Waltz, Waldteufel
Mandolin Club.
8. Solo, "The Mighty Deep," Jude
Mr. George P. Lunt.
9. The March of the Minute Men,
Banjo Club, Weaver
10. Stein Song, Glee Club, Bullard

CUT IN SHOW CANDIDATES.

Many Dropped on Account of School Work.

It has been necessary to make the first reduction in the number of men out for the Tech Show management. It is desired that only the following men continue in the competition.

W. D. Everett, S. M. Ratzkoff, A. A. Gould, R. H. Ranger, R. F. Burnett, R. A. D. Preston, D. A. French, M. S. Chapin, D. Clapp, P. W. Burnham, and C. J. Brown.

Many of the men have been dropped on account of school work.

FISH, FISH, FISH.

Biologists Hear About and Enjoy That Article of Food.

That the new Biology Society is unique in its makeup was demonstrated Wednesday evening when it assembled at the Union for its first dinner. The menu which bore throughout unmistakable signs of its originators, was particularly enticing. Among one of the specialties served, was the recently introduced ocean flake, or dogfish under its less disguised name.

Among the guests present was Dr. George Field of the Massachusetts Fish and Game Commission, who has been much interested in emphasizing the gastronomic qualities of this species of small shark as the best means of insuring its control. He spoke of the work being done in this direction and the opportunity offered for its introduction in place of the salmon which is rapidly disappearing.

Professor Sedgwick of the biological department discussed the many opportunities offered to men of the course in the newly acquired fields of economic biology, and encouraged the society in its new work.

At the conclusion of dinner Robert N. Hoyt 1909 was chosen temporary chairman of the society and Nelson Harrub 1909 secretary. Scott Mac Nutt 1908, George A. Haynes 1909, and the chairman were chosen an executive committee to report on a plan for the permanent organization of the society.

MANY TEAMS NOW WORKING AT TECH.

GOOD SUPPORT FOR ALL.

Basketball, Hockey, and Gymnasium Teams Are Doing Excellent Work.

Other forms of athletics than track are receiving their share of attention at the Institute this year, and all branches of sport are well represented in the winter activities. The gymnasts, the hockey men, the basket ball players have all been far from idle.

Gymnastic work has aroused a good deal of interest and a good bunch of men have been out working on the gymnastic team. Some of its members gave a joint exhibition with the team of the Boston Y. M. C. A. and the men showed up very well. During the season several exhibitions will be held and an endeavor will be made to have the team placed on a firmer footing at the Institute.

In the line of gymnasium work the faculty have of late exhibited considerable interest and have for the first time seemed to feel any direct responsibility for the physical condition of the men. This year they have required all of the freshman class to submit to a physical examination and in accordance with the showing made by some of the men in the strength tests have issued recommendations for the men to take gymnasium class work during the winter. These classes are in charge of Winfield Towne, a Bowdoin graduate and he is making a great success of the work. Three afternoons a week the regular classes are held and twice a week a special class is held for work on the apparatus of a more advanced order. The only trouble with this is that it is necessary to hold the classes during the afternoon when the basket ball team is at work, and thus the team is prevented from having the use of the floor for practice for as long a time as it may desire.

Notwithstanding this, and in spite of the fact that the basket ball team does not have the use of a professional coach, or indeed of a coach of any kind the work done by the team so far this season has not been at all bad. In the first game of the season the team met Boston College and defeated them by an overwhelming score and in the game Saturday with Dartmouth the team made a very good showing playing the crack Hanover five a very fast game and holding them to a very creditable score.

In the work to date the team has showed exceptional ability in shooting baskets from the floor but has proven very poor at concerted team work in holding their opponents.

Great interest has been shown this year in Hockey, and a good many men have indicated their desire to try for the team. An extensive schedule has been arranged including a trip of con-

NEW YEAR'S PLANS.

Seniors Appoint Portfolio Nominating Committee.

At a meeting of the senior class Wednesday afternoon it was decided to appoint a committee to look out for the nomination and election of the Senior Portfolio committee. The chair appointed on this body Basil L. Gimson, Raymond W. Ferris, and Hubert W. Flaherty.

Plans for New Year's eve were discussed and it was decided to hold a late supper at the Union and go from there to Rogers steps where the usual cheering will be indulged in.

PROFESSOR BATES TO READ.

On Tuesday evening, December 24th, the Boston Young Men's Christian Union will give a Christmas eve entertainment to which all Tech men and their friends, ladies or gentlemen, are invited. Prof. Arlo Bates will read Dickens' Christmas Carol. A musical program will also be presented.

TECH PROFESSORS IN ACTIVE OUTSIDE WORK.

CHEMICAL AND ELECTRICAL ACTIVITY.

Professor Gill Testing Oil and Professor Jackson in Telephone Work.

Professor A. H. Gill of the Institute Chemical Department is chairman of the committee appointed for testing of lubricants by the American Society for testing materials.

The committee will first compare the various means for determining the viscosity or "body" of an oil and if possible arrive at some method by means of which the results obtained with different viscosities can be compared and expressed in absolute measure. Later the various other tests applied to lubricating oils will be considered.

A new book by Professor Gill on "Engine-Room Chemistry" has just been issued by the Hill publishing Company. The book deals with fuels, water and oil. The sources, behavior and methods of testing these substances are explained in popular language, so that the subject matter may be understood by anyone connected with engine room work.

Several results of technical as well as scientific interest were obtained by fourth year students working on these subjects under Dr. Gill's direction during the past year. Tests on some small suction gas producers and gas engines showed that the efficiency of twenty horse power engine, based on the amount of coal consumed was three to four times that of the best steam engines of the same size.

Another piece of work of practical interest to manufacturers of woollens has been the determination of the adulteration of wool oils with mineral oil. There are on the market the so-called "recovered" oils which are obtained from distillation of "degras" or grease naturally contained in the wool. By this process of distillation, hydrocarbon oils, similar to mineral oils are formed and it has become necessary to find a means of distinguishing between them. The work so far as it has gone has been satisfactory, but it has not been completed owing to lack of funds. It is hoped that an amount may be obtained sufficient to provide for an assistant to complete this valuable work.

Professor D. C. Jackson, head of the electrical engineering course, was chairman of a special committee appointed to report on the telephone situation in Chicago.

The committee made an exhaustive study of the telephone situation and in its report to the committee on gas, oil, and electric light of the Chicago city council, made a number of suggestions which were substantiated by the city council in the extension of the franchise of the Chicago Telephone Company.

It is said that an offer has been made to Prof. Jackson asking him to become the temporary technical assistant of the expert accountant engaged in devising a system of bookkeeping by which the city can keep informed about the financial operations of the Chicago Telephone Company under the new franchise.

Prof. Jackson and his brother W. B. Jackson are making a complete investigation of the Minneapolis General Electric Company which supplies the city lighting and commercial lighting and power to the City of Minneapolis. An inventory of the entire stock of the company will be made to ascertain the rate of interest which is being realized upon the capital involved.

Professor Clifford has got well started on his graduate course in alternating currents in which he intends to cover the evaluation of line constants and high voltage transmission phenomena in detail.

Professor G. C. Shand has taken up the work in the graduate course in Central Station Design in which the students not only design central stations but inspect many plants in the vicinity of Boston which show practical points of design and in this way test out the practical application of the theories involved.