

CROSS-COUNTRY RUN SATURDAY

Well Balanced Team to Compete
in Tech-Intercollegiate Event
—Technology Has Not With-
drawn From I. C. A. A. A.
Meet

SQUAD WILL GO TO NEW HAVEN

Next Saturday the New England Intercollegiate cross-country run will be held over the Franklin Park course. Technology will be represented by a team which Coach Frank Kanaly characterizes as one of the best balanced which has ever been developed at the Institute. As yet, however, no one has been able to show the individual strength of Captain Ray Brown '16 of last year's team, who captured fifth in the I. C. A. A. A. meet and won the N. E. I. C. A. championship.

The poor showing of the Institute team last Saturday was due to the absence of two of the first string men, Halfacre '18 and Rinbach '18, but with their aid next Saturday Coach Kanaly thinks that the prospects are favorable. The following men will compete for Technology: C. M. Dean '17, B. F. Dodge '17 (Captain), G. F. Halfacre '18, H. A. Herzog '19, W. K. McMahon '20, C. C. McCarten '19, and B. Rinbach '18.

The cross-country team will not withdraw its entry from the I. C. A. A. A. meet as was announced in several of the newspapers, but will send the complete varsity squad to New Haven.

Men who will act as scorers at the N. E. I. C. A. cross-country run next Saturday at Franklin Park course at 11 A. M. are asked to leave their names at the Field.

M. E. SOCIETY TRIP.

Members See Government Vessels Manoeuvring At New London

About thirty members of the Mechanical Engineering Society went with the American Society of Mechanical Engineers last Saturday to New London to witness the manoeuvring of submarines which were stationed at that submarine base. They also made a visit to the New London Ship and Engine Company, a subsidiary plant of The Electric Boat Company.

One special train and two regular trains left Boston at ten o'clock with the Engineers. At New London government boats were waiting at the public landing to convey them to the U. S. S. Fulton and Bushnell. Later these torpedo boat destroyers, which are repair and mother ships of the submarines, started slowly out of the harbor. The submarines L2, L3, and L4 accompanied them, running awash. The flotilla proceeded three miles out into Long Island Sound, where the under sea boats submerged suddenly, then rose, and trained their guns and torpedoes upon the destroyers and showed the engineers how easily this class of boats could be brought into action to sink a hostile vessel. On the return trip the submarines submerged and rose while moving at top speed.

When the party returned to New London they inspected Diesel engines and other submarine fittings manufactured at the New London Ship and Engine Company.

ARCHITECTURAL ENGINEERS' SMOKER

Mr. Ely, of Monks Johnson Co., to Speak on "Business Organization"

There will be an Architectural Engineering Society Smoker tonight at 8 o'clock in the Studio, on the top floor of Rogers Building. Mr. Ely, who is one of the chief engineers for Monks Johnson Company, and who has had considerable experience in the office side of engineering, will speak on the "Business Organization of an Engineering Office." Although this is a smoker primarily for the members of the Society, an invitation is extended to all men in Course IV.

RESEARCH WIND TUNNEL.

Used For Testing Aeroplane Models Under Varying Conditions.

An apparatus whose existence here is little known to the men at the Institute is the wind tunnel which is situated next to the power house in the rear of the main buildings. This wind tunnel was built upon plans furnished through the courtesy of the National Physical Laboratory of Teddington, England, after a careful study of European laboratories. The tunnel is used for experimenting with aeroplanes to determine their behavior under various atmospheric conditions.

It is at present housed in a temporary shed, 20 x 25 x 66 feet, and is suspended in the centre of the room about six feet from the floor, so that ample space is given for the free circulation of air. The interior of the tunnel is fifty-six feet in length and four feet square. The air which is drawn in from the cowed entrance passes through a honeycomb made of three inch metal conduit pipes, two and a half feet in length, into the experimental chamber. This honeycomb helps to straighten out the flow of the air and prevent eddies in the wind.

The sectional area of the tunnel permits models of from eighteen inch to twenty-four inch span to be tested at speeds from six to forty miles an hour. A four-bladed black walnut propeller, revolving six hundred revolutions per minute, driven by a ten-horsepower electric motor produces the current of air. While the tunnel is primarily for experimentation and research, investigations are frequently carried on by manufacturers and private individuals. It is interesting to note that the Curtis Company of Buffalo, N. Y., are constructing a tunnel similar to the one at the Institute.

ENGINEER CORPS

First Theoretical Work Begins Today in Room 3-270

The Engineer Corps has been divided into three sections for the theoretical work and one for the practical on Wednesday from 3 to 4 o'clock, another from 4 to 5 o'clock, and a third on Thursday from 3 to 4 o'clock. The entire corps will meet for practical work on Thursdays from 4 to 5 o'clock.

First Lieutenant Demeritt states that anyone who has not already come out but who wishes to do so, may now attend one of these meetings. He also states that only those men who can attend regularly are wanted to join.

The Corps at present is upon a purely voluntary basis and men are under

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THIRTY-FIVE YEARS AGO

Thirty-five years ago tomorrow, Nov. 16, 1881, the first issue of The Tech, a fortnightly publication, was placed on sale at the Institute. The present Managing Board had planned to celebrate the anniversary by a dinner to be held this evening, but on account of the fact that many of the original board could not be present the dinner was postponed until Nov. 22.

Also next Wednesday there will be an extra large edition of the paper, containing an historical supplement with the names of the members of the first fifteen volumes and their present positions. The issue will be given free to subscribers.

All regular members of the News and Business Departments will be invited to the banquet, and also the freshmen who are successful in the present competition, which will close the end of the week.

SOCCER PRACTICE.

The first soccer practice will be held tomorrow at the Field at 4.00 o'clock. Up to the present time only seven men have shown an interest in the game and as the number necessary to constitute a full team is eleven, more men are needed to insure a successful squad.

All men interested in forming a soccer team at Technology should leave their names and addresses on a card for R. Loutski '18, at The Tech office, in the basement of Building 1.

FENCING TEAM

There are several students in the Institute with fencing experience, who would like to organize a team if enough men will turn out. In the past Technology has been represented with the foils, and it was but a few years ago that the sport was dropped. One member of these teams, Donald Maergray, ranked with some of the finest college fencers in the East, while at present there is excellent material in the Institute.

Anybody who wishes to help organize a team should leave their names in an envelope in The Tech office in the basement of Building 1.

TECH SHOW STARTS WORK TOMORROW EVENING WITH KOMMERS SMOKER

HOUSE COMMITTEE MEETING.

Tuesday evening the Dormitory House Committee had its first meeting and drew up a set of tentative rules for the government in the new student quarters. These will be acted upon at the meeting of the entire Dormitory Committee which is to be held tonight in Room 2-131 at 7.15 o'clock.

G. E. SOCIETY SMOKER TONIGHT

Mr. Montgomery Rollins Will Talk on "Personal Reminiscences in the Field of Investment"—H. L. Rogers '17 Will Also Speak

ELECT EXECUTIVE COMMITTEE

The members of the G. E. Society will hold a Smoker in the Caf this evening at 8.00 o'clock. The principal speaker will be Montgomery Rollins '89, a graduate of Course IX. After leaving the Institute he entered the bond business and wrote a number of books on financial subjects, a line in which he became an authority. For some years he has devoted all his time to the writing of books and lecturing. Last year he spoke on "Securities and Investments" before the students of Course XV. Mr. Rollins' subject tonight will be "Personal Reminiscences in the Field of Investment."

Besides Mr. Rollins, H. L. Rogers '17 will speak on the "Engineering Exhibit at Plattsburg."

FRESHMAN STRONG MAN

Mr. Kanaly, the track coach, reports that one of the freshmen although weighing but 115 pounds, took the best physical examination of all the men in the Class of 1920, by lifting 250 kilos, chinning 15 times and dipping 10. At present he is out for the wrestling team.

The coach also states that the freshman class is one of the best physically developed classes which has ever entered the Institute.

Will Supplant Dinner of Former Years—Work Described—Author of This Year's Book Will be Announced—Entertainment by Masque



C. H. M. ROBERTS '17

ELECTRICAL SOCIETY

Members Will Witness Assembling of Ford Automobiles

Two trips to the Boston plant of the Ford Company have been arranged for this week for members of the Electrical Society, one to take place today and the other tomorrow. The entire assembling of a Ford automobile, beginning with the bare chassis and finishing with the completed car will be seen and an explanation of the various steps in the process will be made.

C. M. Gilt will have charge of the group which will make the trip today, and R. M. Gay will have charge of the group which will go tomorrow. Members who desire to inspect the plant will meet at the portico of the main building at 2.00 o'clock.

ARCHITECTS' SOCIAL

To Take Place Next Saturday Night at Rogers

Next Saturday evening at 8 o'clock, the Architectural Department will hold a social at Rogers for the purpose of bringing the schools of Allied Arts in closer relation with each other. The guests will be received in Huntington Hall, where the exhibition of arts and crafts is being held. They will then pass downstairs where the Emerson School of Dramatics will give a short play on the gallery in the rear. Mr. J. Randolph Coolidge will speak on the desirability of co-operation of the students of fine arts. Selections will also be played by several members from music schools. Joseph Gardner '17 will give several interpretations of classical dancing. After the entertainment, there will be dancing.

The invited schools are: Harvard School of Architecture, The School of Painting and Sculpture, the Boston Architectural Club, the School of the Museum of Fine Arts, the School of Fine Arts, Crafts and Decorative Design, the State Normal Art School, the New England Conservatory of Music, the Paellen Pianoforte School, the Harvard Dramatic Club, the "47" Club (Harvard), the School of English Folk Dancing and Professor Henry A. Frost's School of Landscape Architecture.

WILL CALL FOR LYRICS

Tomorrow evening at 7.30 o'clock the first stage in the development of the 1917 Tech Show will be begun when the initial Kommers Smoker of the year will be held in the Caf. All men at the Institute, and particularly those interested in dramatics, are invited to be present.

This year's Kommers Smoker is to supplant the dinners of former years, at which an attempt was made to arouse the interest of undergraduates in the annual production of the Show, and which were among the most popular banquets given during the year.

An entertainment has been arranged by Masque, but its character will not be divulged until the performance is given. Men active in the Shows of previous years will address the gathering on their experiences in former productions.

Following out the main idea of the smoker, the managers of the various departments will explain the duties of their respective lines, and if any positions in their department are still to be filled, will call for candidates to compete for the office. This will be the best opportunity offered during the year for men unacquainted with the Show to learn the methods and policy of its managers and coaches.

The name of the author of this year's book will be announced by General Manager C. H. M. Roberts '17 and the character of the play will be outlined and probably some parts of it will be read. The names of the professionals who have been engaged to coach this year's play and the undergraduate stage director will also be announced.

Work in the development of the Show will begin immediately after the Smoker. A call for lyric writers will be made tomorrow night, and the details of the competition will be explained. As soon as the lyrics have been selected the words will be turned over to those who wish to enter the composers' competition. The music will probably be called in after the Christmas vacation, and the entire show—

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CALENDAR

- Wednesday, November 15, 1916
- 1.15 P. M.—Sophomore Tug o' War Photo. Notman's, 3 Park St.
 - 3.00 P. M.—Engineer Corps. Room 3-270.
 - 4.00 P. M.—Engineer Corps. Room 3-270.
 - 4.00 P. M.—Meeting of the Candidates for Assistant Manager of the Wrestling Team. Basement of Building 1.
 - 4.15 P. M.—Professor Sedgwick's Discussion Group. Room 10-267.
 - 5.00 P. M.—Varsity Wrestling Squad Practice. Cambridge Y. M. C. A.
 - 7.15 P. M.—Meeting of the Dormitory Committee. Room 2-131.
 - 8.00 P. M.—Architectural Engineering Smoker. Technology Caf.
- Thursday, November 16, 1916
- 1.15 P. M.—Freshman Relay Team Photo. Notman's.
 - 3.00 P. M.—Professor Pearson's Discussion Group. Room 2-282.
 - 4.00 P. M.—Soccer Practice. Technology Field.
 - 4.00 P. M.—Professor Haven's Discussion Group. Room 3-270.
 - 5.00 P. M.—Varsity Wrestling Squad Practice. Cambridge Y. M. C. A.
 - 7.30 P. M.—Kommers' Dinner. Technology Caf.