

THE TECH

VOL. XXXI. NO. 52

BOSTON, MASS., SATURDAY, NOVEMBER 25, 1911

PRICE TWO CENTS

CHEERING SECTION SEAT SALE AT CAGE

Technology Plays Intercolonial Seven Close, Fast Game At Arena Tonight.

The Varsity Hockey Team will play the second game of the season at the Arena against the Intercolonials at 8.30 P. M. This is the team which is composed of the bunch of star players and have a good chance to win.

Captain Sloan believes that the team work and strong defense will overcome the individual ability of the opponents and bring home a victory. Manager Ranney is playing a sure game in the cage and will stop most of the fast ones, so that the game will probably hinge on the scoring power of the forward line.

The two teams in a practice scrimmage on Wednesday went fifteen minutes without a score, so that it is clear that they are about equal in strength. There will be a number of subs put in during the game for Tech, so that they may show their worth in a game as well as in practice.

Manager Ranney has made arrangements for a Tech section of seats and these will be on sale at the Cage throughout the day. This will be the first chance of the year for real cheering and the fellows will all take advantage of the opportunity of seeing and helping Tech's victory.

The line up:
Technology. Intercolonials.
Storke (Coffin), l.w. l.w., Doe
Hurlbutt, l.c. l.c., Small
Slcan (captain), r.c. r.c., Telford
Yerance (Rogers), r.w. r.w., Whittier
Sucklen (Whittlesey), c.p.c.p., Skilton
Eichorn (McLeod, Lane), p.
p. Foote
Ranney, g. g., Zerrank

SING IN MEDFIELD.

Initial Appearance of Glee Club Draws Crowd Through Storm.

Last night the Glee Club held the first concert of the year at Medfield. The program which was presented was excellent, and served to indicate that the winter concert will be a great success. The club rendered several choruses which are well known to Tech men, among which were: "The Cardinal and Gray," "Take Me Back to Tech" and the "Stein Song." The quartet of the club, composed of Robinson, Svenson, Doremus and Tallman, pleased the audience with a couple of songs, and there were two readings by Harry Briggs. These, with solos by Kenneth C. Robinson and Ralph H. Doble, completed the program. The Glee Club gained considerable credit by its work last night, and has a number of selections in preparation for the winter concert.

PRINCETON THEATRE.

Princeton is now formulating plans for the founding of a theatre which will be built along modern lines and will be complete in every department. It is now the aim to raise the sum of two hundred thousand for the actual erection of the building, and it is assumed that once built it will become self supporting. The Triangle Club have announced their willingness to aid the project, and many prominent theatrical managers will also help.

TECH WILL FIGHT FOR SECOND PLACE

Jones, Berna and Withington Should Be the First to Finish.

The thirteenth annual Intercollegiate cross-country run will be held this morning at 11 o'clock at the Brookline Country Club. Never before have so many stars been entered in a race of this kind, therefore this run will probably be the fastest yet. Yesterday's rain has put the course in a very muddy condition, so this may make the time slower and it will probably be the well-balanced team that will get the low score.

With the exception of Captain Ferry, who is troubled with a bad leg, the Tech Team is in the best of condition. All the men are expected to run even better than in the Brown meet. Barring bad luck, Shedd should finish first of the Tech team, with Cary close behind. Nye, Bonney and Lee are booked for the next places, and the whole team should finish in almost consecutive order. Coach Kanaly says in regard to the team: "I think that we have a fighting chance to beat out Harvard for second place. A muddy course should make no difference in the order of finish of the Tech team, and I expect the men to make a good showing. The fact that Michigan will not run will hurt our chances, as they have two very good men, who would finish in the first few places."

Cornell, with Jones and Berna as leaders, is the choice for first place. This team has run only one race this year, beating Penn 21 to 43. Cornell has won every Intercollegiate cross-country race with the exception of one, Yale winning in 1908.

Penn's hopes are based on the good showing in the Cornell race and the fine work of McCurdy and Madeira. The team is not well balanced and this may be too big a handicap for these stars to overcome. The prospects look very bright at Harvard, where Withington is looked on as the sure winner of third place. Harvard has beaten Tech and Yale and is as fast as last year. Copeland, Burrage and Boyd have shown up well and should finish well up. Captain Withington says: "We do not expect to win the race, but hope to take second place."

Brown, a new member, has a star man in Taber, but the rest of the team is only ordinary. Brown has run one race this year, losing to Tech, 40 to 45. Yale is weak, but Marsh is certain to run a good race and will help to pull the score of his team down. Yale has beaten Princeton and has lost to Harvard.

Little has been heard from Syracuse, but they have several good men. Merrill and Algire are experienced and will help out their school. Princeton is not strong, but has won from Columbia. Paine, Bell and Fowler are the best men. Columbia is very weak, as Evans and Richard are the only men that are any good at all.

Dartmouth has not run this year, but are reported to have very good men. F. Marceau, a brother of E. T. Marceau of Tech, is the best man on this team, and should beat out most of them. Clarke, Ball and Harmon are also good and help to round out the team. Clarke and Ball were good two-mile men last year. Michigan has had bad luck in having almost no good weather. After practice last
(Continued to Page 3.)

YALE FAVORITE IN BIG GAME TODAY

Have Heavier and Faster Team —Rule Out Loop the Loop Field Goal.

The prospects of the Harvard team in the great match with Yale, to be played in the Stadium this afternoon, were greatly enhanced by the rain of yesterday and a slippery field will materially hurt Yale's chances. Yale rules the favorite, however, in the betting circles, and as the team is a little heavier than the Crimscn eleven the Elis look to be the winners.

The average weight of the ends are the same, but Yale has shown considerable more speed in these positions, and if the field is dry enough for the wearers of the blue to work their celebrated direct pass to advantage, they will undoubtedly make the Harvard ends hustle to follow their pace.

In the line-ups as given out last night, Yale has a slight advantage in the all-round weight. In the line the average of avoirdupois of the Yale men is 182.5-7 pounds against that of 181.4-7 pounds of Crimscn material. In the back field Yale has 172 pounds against 162.1-4. In the total average Yale is the leader by 4.4-11 pounds, weighing 178.10-11 to Harvard's 174.6-11.

It was announced last night that both teams have decided to rule out the chances of a score being made by the famous play that won the Dartmouth game for Princeton, that is the "loop the loop" field goal, in which the ball hit in front of the posts and bounced over. This is probably the starting of a rule to that effect which will undoubtedly be made at the close of the present season.

VISIT HARVARD.

Tech Cosmopolitans Attend Har- vard's Club Meeting.

Last evening, at Cambridge, a very enjoyable time was spent by the members of the Harvard Cosmopolitan Club. The Harvard Society sent an invitation to the chairman of the Institute Club, and several members took advantage of this unusual opportunity to see how things are run at Harvard.

A splendid talk was given by one of the Western members, on the way in which Harvard graduates are usually considered in the West and Middle-West, after which the President told several fine stories. A great deal of speculation was indulged in as to the outcome of the game Saturday, and one of the members of the society offered to bet 5 to 1 that Harvard would win by a score of 11-0. We hate to think what would become of this money if he bet it around Rogers.

Just before leaving the committee tendered a hearty invitation to the members to the Institute Cosmopolitan Club who are present at the game Saturday, to take tea in their club room in Harvard square. Their lady friends are especially invited to be present.

Princeton's football victory over Yale gives the Orange and Black a clean slate with the Blue for 1911. The Tigers won at baseball, track, rowing and on the gridiron. Great year for Princeton.

LARGE CENTRAL STATION DESIGN

Lanza's Resignation Accepted by Mechanicals, Who Hear Mr. Moulthrop.

Seventy members of the Mechanical Engineering Society gathered in 11 Eng. B, Thursday afternoon, to listen to Mr. I. E. Moulthrop's ideas on "The Design of a Large Central Station," the speaker at the regular meeting of the society. At this time the secretary read a letter from Professor Emeritus Gaetano Lanza to the effect that on account of his recent change of address he would be unable to longer represent the society as its Honorary Chairman to the A. S. M. E. The members then voted to adopt his suggestion and recommended Professor Edward F. Miller, the head of the department, as his successor.

Announcement of the next meeting for December 7, at 4.10 P. M., in 11 Eng. B, with a joint paper by two Seniors, D. Dasso and A. R. Davis, on "High Speed Combustion Engines," was followed by a statement that this meeting would be open to all men in the Institute who are interested in this work. After proceeding to the election of treasurer, C. H. Carpenter, the chairman, introduced Mr. Moulthrop as the speaker. Before taking up his professional subject, Mr. Moulthrop extended an invitation to the members of the society to attend a joint meeting of the Boston branch of the A. S. M. E., the Boston section of the A. I. E. E., and the Boston Society of Civil Engineers, to be held in Chipman Hall, in the Tremont Temple Building, on December 20th, at which time a man from the General Electric Company will talk on a system of propelling ships, in which a turbine generator, at its most efficient speed, drives the motor propellers in turn at their most efficient speed.

Some of the conditions which govern the designing of power plants by the engineers of the Edison Companies, as given by the speaker, from experience at the L Street station in South Boston, were the necessity of convenient fuel supply, the water for the boiler feed and for circulating purposes, the cost of the land, the room for future growth and for fuel storage.

In the plant itself the size of the generators must be fixed so that there will be units enough for economy during periods of minimum load and large units for economy of space and operation. He also showed that the steam plant should be of the water-tube type with units of about 750 H.P.

After these first general considerations had been settled the location of the boiler room was taken up. At
(Continued to Page 4.)

CALENDAR.

Saturday, November 25.
2.14 P. M.—Hare and Hounds Leave North Station for Wakefield.
2.00—Harvard vs. Yale—Stadium.
Monday, November 27.
9.00 A. M.—Public Speaking, Open Section—23 Walker.
4.00—Aero Club—Union.
4.15—Glee Clubs—Union.
4.30 P. M.—Institute Committee—Union.
5.00—Basketball—Gym.
Tuesday, November 28.
4.15—Mandolin and Glee Clubs—Union.
5.00—1913 Technique Board Meeting.

THE TECH

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SATURDAY, NOV. 25, 1911

IN CHARGE OF MONDAY ISSUE.

Associates—Belcher, Don, 1915; Mann, E. W., 1914; Oettinger, M. A., 1914.

Are you going out to cheer the M. I. T. Cross-Country Team in the annual Intercollegiate run this morning? If not, why not? The run will start from the Country Club, and there will be plenty of room for every Tech man who attends in the spacious grand stand. The team needs your help, and it is up to you to show them that you are behind them. Get out and out that grind for a couple of hours and cheer.

And more in regard to cheering. If you are not all hoarsed up from your hard work at Brookline, go up to the Arena tonight and cheer the Hockey team. Last Saturday night not a cheer was offered to help the team along. Let us go along and show Capt. Sloan that we appreciate his efforts and those of his men. Get busy and do something besides kick, perpetual grouches, who do nothing but complain because of reverses happening. A team don't always win, and all the Institute teams deserve your backing and support.

COMMUNICATION.

To the Editor of THE TECH:
May I ask you to make public the fact that students in the third-year option in public speaking are always glad to welcome other students to the class exercises? The hour is Monday, at 9 A. M., the room, 23 Walker. It is, unfortunately, an hour totally inconvenient for third-year students, but first and second-year men are likely to have the period free.
On November 27 Mr. Edwin C. Miller of the Class of 1879, has promised to be present, and will tell the students something of his experience as a public speaker. Mr. Miller is superintendent of the Henry F. Miller & Sons Piano Company, an active and representative alumnus, and a man long prominent in the public life of Massachusetts. There will also be several five-minute speeches by members of the section.

A. T. Robinson.

Dartmouth, Michigan and the boys from Syracuse are playing the dark horse game in the I. C. A. A. A. A. cross-country.

FIRST ANNUAL DINNER CHAUNCY HALL CLUB

Dean Burton, Blachstein and Headmaster Kurt Give Short Talks.

The newly inaugurated Chauncy Hall Club enjoyed its first dinner in the Union Thursday night, with an attendance of thirty-one men. A most excellent dinner was provided by Steward Colton, which included Budweiser and smokes. The table was a surprise to the men as they entered, for it had place-menu cards, with a hand-painted illustration of the Chauncy Hall Building on the cover. The guests of the club were the Dean, Mr. Blachstein and Headmaster Kurt of the school.

Dean Burton, the first speaker, highly complimented the idea of keeping up their prep school acquaintance by means of the club, especially as it made friends for them among all the classes of the Institute. In his talk he made it a second Cosmopolitan Club.

In his highly interesting manner, Mr. Blachstein gave reminiscences of former members of the school, and fastened his masterpiece on W. A. Ready, 1913, in saying that Ready was ready, referring to the fact that he had presented the class of 1913 with its class baby.

Mr. Kurt was given a fine introduction by President Peck of the Club, and began with an outline of the history of the school. After stating that there were over 7000 alumni he closed by quoting President Lowell of Harvard, who paraphrased the quotation over the gates of Hell in Dante's Inferno, "Who enters here leaves leisure behind."

CARNEGIE FUND.

Professor Schwamb, Who Is Retiring, a Beneficiary.

Professor Schwamb, one of the three important professors who have retired this year, has been named a beneficiary by the Carnegie Foundation. This is a fund given by Andrew Carnegie and disbursed by a commission among retiring University professors as an aid in carrying on their further work. President Emeritus Elliot is noted among the big men who have been recently aided by the Foundation.

Professor Schwamb is a graduate of the Institute, of the class of 1878. Soon after his graduation he was employed for a short time as a draughtsman by the Howe Scale Co., and a year after he came to Boston to enter the employ of the Hinckley Locomotive Works. Because of his experience in practical works and his knowledge of large manufacturing plants, he was called to the Institute in 1883 as an instructor, becoming an assistant professor the following year.

He rose rather slowly to the position of professor, which was given to him in 1896 with the title of Professor of Mechanism. Since 1901 his title has been Professor of Machine Design and Director of the Mechanical Laboratories. Under Professor Schwamb's instruction the student at Technology investigates the principles of shop work and then perfects the technique of any particular manufacturing process. Although the laboratories turn out no finished products of trade, they do what is still more important, turn out men who are well qualified to perform in a creditable way any work which may be given them in the commercial world in the years after graduation.

Ketcham of Yale is being talked of as the great center of the year. His one misplay in the Princeton game resulted in the championship going to the Tigers.

Velvet

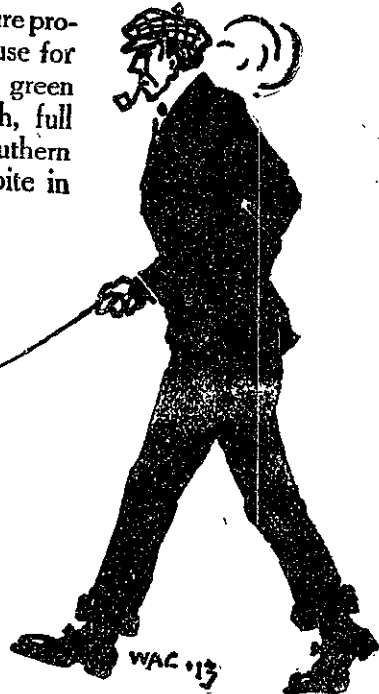
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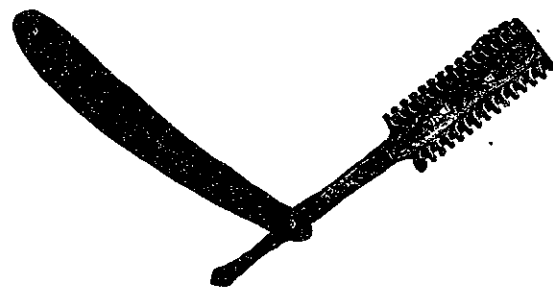
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**BASKETBALL TEAM
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Play.

About twenty men were on hand at the Gym yesterday afternoon for basketball practice. The squad had to wait for the gymnasium class to finish their exercises, and consequently it did not get down to work until 5.15. When it did start to work, however, there was plenty of snap and vim.

The usual shooting drill was gone through to limber up the men, after which three scrimmages were in order, with passing and shooting sandwiched in. The first scrimmage was exceedingly fast and clean, plenty of team work was shown, and the men covered their opponents well. Mowry was the star of this period, shooting the majority of the goals.

In the second scrimmage Capt. Schar, Freedman and some of the older men were replaced by new candidates. This period showed the loss of the experienced players in the team work. The less experienced men bunched together, getting few shots at the cage from the open floor. Everyone had plenty of wind and fight, so the game was fast and interesting.

The third period brought the old men back into play. This time there was less head work displayed. Frequently the men ran with the ball or had two hands on an opponent. This kind of work brought forth a few words of caution from Capt. Schar, and the work was better until the end of practice.

In individual work Lawson is showing up well at both forward and center positions. Morse is a hard worker, keeping the fellow up against him going at a merry pass. Reed, a new man, is somewhat of a find if he keeps his present speed. Capt. Schar states that the squad is strong in general, and it will be rather difficult to pick out the good ones before the first game.

The lineup:
Sampson, f.....f. Reed
Schatz, f.....f. McCarthy
Morse, c.....c. Mowry
Dalton, g.....g. Metcalf
Darling, g.....g. Schar

I. C. A. A. A.

(Continued from Page 1.)

Saturday it was decided not to send a team East. This has caused much comment as this team had a chance to win second place, and had two star men in Hanavan and Haimbaugh. C. C. of N. Y. is entered, but is not dangerous.

Jones and Berna, the Cornell cracks, will probably take the first two places. Jones won last year and Berna in 1909. Withington of Harvard is about the next best, but his teammate, Copeland, is not far behind him. McCurdy and Maderia of Penn, Marceau of Dartmouth, Shedd of Tech, and Taber of Brown are picked to divide the next places.

Granting first place to Cornell, Harvard seems to have the best show for the next place. Tech has a slight chance to capture this place, but should win from Dartmouth, Syracuse and Penn. Brown and Yale should put up a close race, with Princeton following them. Although the previous performance would indicate this order of finish, a six-mile course and muddy ground may decide in favor of some of the slower ones.

Franz Marceau of Dartmouth is going to show his heels to Gene in the big race. He should come away up front at the finish.

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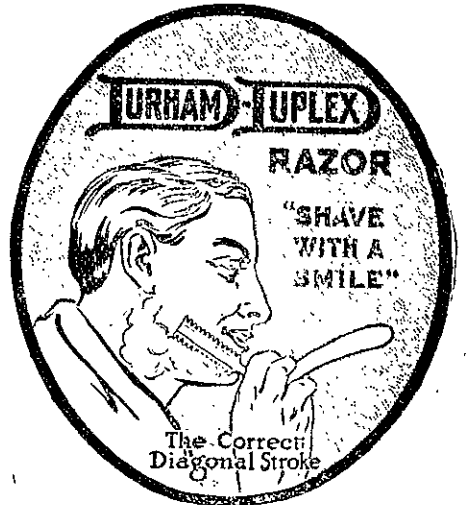
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FREE SUNDAY SERVICES.

Mr. Joseph Linden Smith, of the Egyptian Department, will speak on Excavations in Egypt, in the Mastaba Gallery of the Art Museum, at 2.30 P. M.

Assistant Prof. Henry L. Seaver, of the Institute, will speak on Jade, in the Japanese wing of the Court Gallery, at 3.15 P. M.

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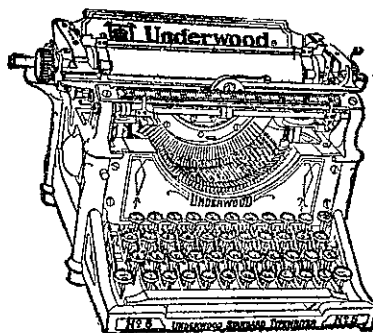
C. M. T. S. ASSOCIATION will hold the annual dinner at the Boston City Club, 9 Beacon street, on Tuesday, the 28th, at 7 o'clock. The Committee have tickets at \$1.50. Make your application and acceptance so that this may be an even better reunion than last year. (Signed) The Executive Committee. (52-3t)

MECHANICALS MEET.

(Continued from Page 1.)
L street they are on the second floor, with the first floor reserved for the teams which remove the ashes, and for pipe room, where the piping may be free from draft and entirely out of the way, as well as easily accessible. Above, on the roof and close to the tops of the boilers, are the coal hoppers, so that the boiler room may be kept free from dust. The boilers are arranged in batteries so that twelve of them discharge into one chimney of about 8,000 H. P. capacity for the sake of economy.

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