

THE TECH

VOL. XXXI. NO. 13

BOSTON, MASS., TUESDAY, OCTOBER 10, 1911

PRICE TWO CENTS

CATHOLIC CLUB WILL MEET WEDNESDAY.

Good Representation Expected at First Meeting—New Men Invited.

On Wednesday evening, October 11, the Catholic Club will meet in the Union for the first time this year. All the old members are cordially invited to be present and to bring new men with them, as this will be a meeting designed to bring the men together.

Last year was one of the most successful in the history of this club, both from a financial and a social standpoint. A very large number of new members were taken in and a keener interest was shown by all the members in all the affairs.

It is to be hoped that there will be a large crowd at this, the first meeting, and a cordial invitation is extended to all by the officers. Announcements have been sent out to all of the old members of the club notifying them of the affair and urging their presence. This in itself assures a large representation of the student body. But in addition to this the Freshmen are most particularly welcome so that their interests and enthusiasm may be enlisted from the very beginning. With this co-operation between the old and new men there can be no doubt but that this year will be the most successful yet.

The Spiritual Director will address the men, and it is very probable that the officers of the club will give a short outline of the work which is to be done. Following the addresses refreshments will be served by Mr. Colton's crew and a general good time for everybody.

MUSICAL CLUBS MEET THIS AFTERNOON.

The managers of the Musical Clubs have called a meeting of everybody interested in musical affairs in Tech, which will be held this afternoon in the Union. All men having any connection with, or who think they might be interested in the Musical Clubs, should at least attend, and hear the reports of the various officers of the organization. Manager Salisbury, 1914, of the Glee Club, needs a good many new men, and the managers of the Mandolin and Banjo Clubs are in much the same position. General Manager Partridge, 1912, will explain the club's needs and plans in detail, and will tell what new developments there are in the prospect of several good trips, which can be taken only if there is enough good ability shown by the members to warrant the expense. So much is dependent upon the men's regularity of attendance at rehearsals that nothing can be promised yet, but there are possibilities of trips during the year to Northampton, to Middletown, Conn., for a joint concert with Wesleyan, and a big Western trip at mid-year, beside the Spring and Winter concerts held in Boston.

President Franzheim mentions voices, mandolins and mandolias, guitars, a piano player, banjos, violins, cellos, traps, and a reader as among the talent needed in the group of organizations.

Any man, therefore, with musical ability, or aspirations, should be promptly on hand at 4.15 in the Union today.

SHOW PUBLICITY MEN ADDRESSED WEDNESDAY.

Good Opportunity This Year as Two Men Are to Be Chosen.

Competitions for Assistant Managers in the Publicity Department of Tech Show are to open on Wednesday, October 11, at 1 o'clock, in the Show office, Room B, Union, when Acting Publicity Manager G. E. Whitwell will meet the candidates.

This year an unique condition has arisen in this department of the Show. Because of the fact that the manager of the department, K. Van R. Dey, has been unable to return to the Institute, there are two vacancies which must be filled from the under classmen. Therefore all under classmen who are desirous of becoming connected with the Show have a double opportunity this year of fulfilling this desire. Two men are sure to be chosen.

The work to be done is that connected with the advertising of the Show. Articles are to be written for the newspapers and for THE TECH, and the department takes charge of the poster competition, the mail and the paid newspaper advertising. This gives a general idea of the work. It is excellent training and is not difficult.

It is absolutely necessary that everyone, either in 1914 or 1915, who expects to come out must do so on Wednesday, as the competition will begin immediately and probably end within two or three weeks. If you are at all interested be present and hear what is to be said on the subject. It is hoped that a large number will come out to take advantage of this opportunity to do something for the Show. Remember that this year there is the unusual opportunity offered, since two assistants must be chosen.

1913-1915 MEET AT FOOTBALL THURSDAY.

If you want to see a real game of football you had better be snugly stowed away in a "comfy" seat in the grand stand at the Field when the whistle blows at 10.30 on Thursday morning. And you might just as well pick out two seats while you're about it, for if you know anything of football art you won't care to miss this opportunity to go to a game.

You see, the 1913 football men thought that they were sort of cheated of the chance of showing what they could do in the line of forward passes and Goff dropkicks by the considerate rain which provided for an interesting game of water polo on last Field Day. So they are going to don the mole skins once more and will meet 1915 in a fair game of football on the above said date. Here is an excellent chance to show the Freshmen and Sophomores just what class and class spirit is. This means to come one, come all and see the game at the Field. No admission fee charged. It's all free. Think of it. Better than the World's Series.

Practice for 1913 Wednesday at 3.30 at the Oval. Every man who played on the 1913 team must report.

SOCIETIES.

Secretaries should call at the Cage for mail.

NOMINATIONS FOR 1913 CLASS OFFICERS.

Good List to Select From—Ballots Ready Thursday—Due Tuesday.

The nominations for the 1913 Class Election closed yesterday at 4 P. M. The election committee met directly after the closing of the nominations and made up the ballot. There was necessity for only one nomination by the committee, as all the other places on the ballot were filled according to the constitution.

The following are the men nominated: For President, C. P. Capen, H. D. Peck, H. M. Rand and S. E. Rogers; for Vice-President, W. N. Eichorn, W. deY. Katzenberger and J. B. Welch; for Treasurer, R. B. Haynes, W. R. Mattson and F. D. Murdock; for Secretary, L. H. Lehmaier, W. F. Herbert, W. N. Holmes and R. B. Nichols; for Clerk, A. F. Brewer, W. E. Caldwell and M. Lewis; for Institute Committee, E. B. Germain, T. E. Senior, R. C. Thompson and J. J. Strachan; for Executive Committee, E. Menderson, C. C. Fallon and E. L. MacDonald; for Athletic Association, W. R. Bylund, N. D. McLeod, R. D. Bonney and H. S. Milliken.

Of these men, Capen has played class football; Peck has been an efficient Treasurer; Rand has been on the Institute Committee and on the class tug-of-war, and Rogers is now acting President. Of the candidates for the Institute Committee, three are track athletes, Thompson being one of last year's famous Varsity relay team, while Germain is a fast miler. Senior has held class offices, and Strachan is a track man.

A new plan is to be followed this year by the class in the matter of ballot distribution. Instead of being sent, they will be left at the Cage, as other classes did last year. It is intended to have the ballots ready at the Cage by Thursday afternoon, thus making the votes due next Tuesday at 4 P. M. As usual, votes cannot be counted unless the class dues are paid, or accompany the ballot. The ballot must be signed or they cannot be considered, and it goes without saying that although the ballots will be openly left at the Cage, only one can be passed in by each man.

Without doubt this year's election is the most important in the history of the class to date, and the committee therefore hopes that a large vote will be turned out.

SOPHOMORE TUG-OF-WAR.

Coaches Duyser and Woehling now have 35 "heavies" in training for the Sophomore tug-of-war team. In addition to these several more men, among them members of last year's team, are expected out early this week. The practice is held Monday, Wednesday and Friday at the Gym, and at the Oval on the other days.

As many of the fellows were on last year's team and know the "rope," medium long pulls have already been started. Their experience, numbers and general good spirit ought to combine to give the Freshmen a hard pull on Field Day.

NOTICE—1914 Relay Trials at Field for E. H. S. Meet on Tuesday, Wednesday and Thursday afternoons.

ELECTRICITY AS AN AID TO CHEMISTRY.

Article by Professor Walker Dealing with Electro Chemical Relations.

An article on the Relations of Electricity and Chemistry, by Professor W. H. Walker of the Chemical Engineering Department, appeared in the Scientific American of September 16. It is in reality a broad view of the electrolytic dissociation theory, dear to the hearts of the Freshmen.

The main points in the article are electric conductance and decomposition, electrolytic refining of metals and the use of electricity for thermochemical reactions.

The possibilities of electricity in the practically unlimited field of the chemist are enormous, and already many industries are based on electrochemical phenomena. The passage of an electric current through an ionized solution results commonly in the deposit of the constituents on the electrodes. This principle has found a number of commercial uses, of which the article mentions, the obtaining of chlorine and sodium from common salt, and the refining of great quantities of copper yearly. During the past year alone \$100,000,000 of copper thus refined was placed on the market. Beside this there were millions of dollars' worth of silver and gold recovered from the waste. These selected samples show the great scope comprehended by this comparatively recent theory.

In regard to the use of electricity as a heat producer, Professor Walker states that its cost is considerable, but notwithstanding that fact it has two distinct advantages, namely, that the heat produced is within the zone of chemical reaction, and the temperature thus obtainable is beyond that of all other means. It is the high temperature of the electric furnace that makes possible the commercial manufacture of silicon, carborundum, calcium, carbide, high grade steel and many other articles.

The article closes with the following:
Continued on page 2, 2nd column

CALENDAR.

Tuesday, October 10, 1911.

3.00—Track Practice at the Field.
4.15—Class Relay Teams at the Field.
4.15—Class Tug-of-War Teams at the Gym.
4.15—Musical Clubs at the Union.
4.15—1914 Football at the Oval.
4.30—1915 Football at the Field.
7.30—E. E. Society at the Union.
7.45—Mining Society at the Union.

Wednesday, October 11, 1911.

3.00—Track Practice at the Field.
4.15—Orchestra Rehearsal in the Union.
4.15—1914 Football at the Oval.
4.15—Class Tug-of-War Teams at the Gym.
4.15—Class Relay Teams at the Field.
4.30—1915 Football at the Field.
4.30—Swimming Practice at the Salvation Army Tank.
8.00—Catholic Club at the Union.

Thursday, October 12, 1911.

9.58—Hare and Hounds leave Back Bay for Tech Course.
10.00—1913 vs. 1915 Football at the Field.

MUSICAL CLUBS UNION 4.15, TODAY

THE TECH

Published daily, except Sunday, during the college year by students at the Massachusetts Institute of Technology.

Entered as second-class matter, Sept. 15, 1911, at the postoffice at Boston, Mass., under the act of Congress of March 3, 1879.

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All communications should be addressed to the proper departments.

Subscriptions, \$2.00 per year, in advance. Single copies, 2 cents.

Subscriptions within the Boston Postal District and outside of the United States must be accompanied by postage at the rate of one cent a copy.

Printed by Ruitter, 147 Columbus Ave.

TUESDAY, OCTOBER 10, 1911

The usual series of lectures to first year men on "Personal Hygiene" will begin on Wednesday afternoon, when Professor Sedgwick will speak to the new men. The second lecture will be addressed by Dr. Franklin W. White, the medical adviser at the Institute. All new men are required to attend about five of these lectures, and as they are interesting as well as instructive, it behooves everyone to attend all of the discourses.

The Class of 1912 won Field Day their Freshman year, and their class and Institute spirit was unbounded. Their success in the interclass games and all other activities in which they took part was unbounded. Sophomore year, they began to take things easy and expected to win on Field Day from 1913. Their interest abated to a considerable extent until a few days before the great day, when they tried to make all their preparations in a very few days. The seeming dormancy of the class has apparently continued as evidenced by the small size of the list of nominations turned into the committee on Saturday. There was plenty of material offered for the position of President, and good material at that. For the position of Secretary, which position exists as long as the life of the entire class, not a single name was offered, and the committee was obliged to nominate a couple men themselves. The Secretary is the man who is supposed to hold the members of the class together after graduation, and should be a resident of Boston or one of the nearby towns, and this is, no doubt, the most important position in the gift of the class. For this reason we would suggest that the nominations for the position of Secretary be reopened for a day at least.

Prof. Talbot and a lot more of the Faculty eat at the Union Dining Room. Do you?

ELEC. ENG. SOCIETY FIRST MEETING TONIGHT.

Many Plans Made for Next Year —All Prospective Members Invited Tonight.

The Electrical Engineering Society hold their first meeting in the Union tonight at 7.30 P. M. From the Faculty, Professors Jackson, Pender, Wickenden, Lyons, Lawrence and Gorton of the department will be called on to give short talks, and in addition a couple of the undergraduates of the course who have been in foreign lands this summer will give a few little notes from their travels.

This will be informal and will be a chance for the new men to get acquainted with the rest of the department, and also for all prospective members to hand in their applications. This is to be a get-together meeting in every sense of the word, and the committee wants everyone to come.

The coming year is prophesied as a very important one for the society. The program committee have arranged a number of fine trips to various large manufacturing plants in New England. These are very instructive as well as productive of a great deal of fun, and they are well worth anyone's time.

Every member of Course Six should make it a point to take this chance to get into the society for they will lose in the end if they do not. The meetings are only held on one evening a month, and that will interfere with no one's studies to any great extent. The Electricals welcome new men at the meeting tonight and they are going to feed them. Everybody will have a good time and this will be the first break in the grind for a number of the men, and they should not let the chance slip. The Miners are going to have a meeting tonight and Course Six cannot be outdone in numbers by that society.

COSMOPOLITANS TO START YEAR AT ONCE

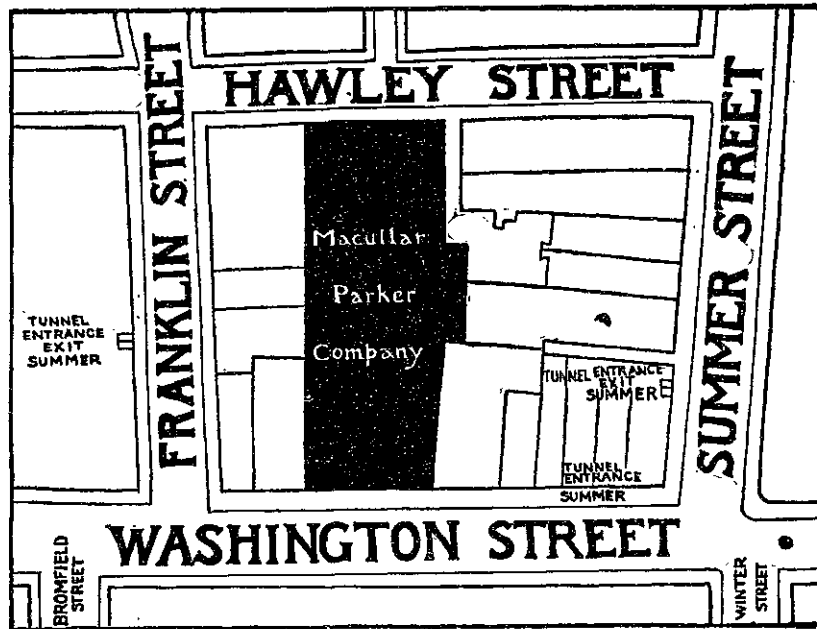
On Saturday evening of this week the Cosmopolitan Club will hold its first meeting of the year in the Union. This meeting will take the form of an informal smoker in the hopes of making the new foreigners at home in the club. All such who are not members of the club have been sent invitations and there will be a few of the American students who will be asked to come.

It is now hoped by the Executive Committee that President Maclaurin will be able to be present and speak a few words, but as yet it has been found impossible to get absolute surety of his presence at the meeting. Dean Burton will be there as well as Mr. Blachstein, and the committee have another man, a famous foreigner, whose name they will not divulge at this time, also on the list, so that there will be no lack of celebrities in the event of President Maclaurin's being unable to attend.

Eksergian, the orchestra leader, is planning to have a stringed quartet to render a few selections for the entertainment of the guests, and it is possible that other forms of amusement may yet be provided. Further details will, however, appear in THE TECH of a later date. One other thing of importance can be given out at this time, and that is the fact that the club is to serve refreshments. There are few men now in the Institute who do not know what this means, for the Cosmopolitan Club have an enviable reputation in the line of providing good things to eat and drink at its meetings.

ing prophecy of what the future may have in store: "Enough has been written to demonstrate the marvelous development which has taken place within the past fifteen or twenty years. What the future holds for the enterprising investigator no one can foretell."

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CRIMSON TEAM SHOWS RAGGED FOOTBALL.

Loss of Veteran Quarterback Badly Felt—Slow Against Open Offence.

On Saturday afternoon, in the Stadium, the Harvard University eleven faced Holy Cross for the first time in seven years. The team that allowed Yale to score five touchdowns the week before let the Crimson through her line for but one, and put up a remarkable exhibition of the new open game before the first big football crowd of the season. The field was very slippery and handicapped the Blue to a large extent in their open work. For several times the men slipped and fell for a loss of many yards. Harvard underwent a very expensive lesson in the new football for Dick Wigglesworth, the veteran University quarter, suffered a broken ankle which will keep him out of the game for the rest of the year.

At times the playing of the Crimson team was brilliant in the extreme, but as a whole it was very ragged and shows that Coach Houghton has a great deal of work to do in the next few weeks. Potter and Bud Smith worked two pretty forward passes, and Wendell showed excellent form in running forty yards through a broken field for a touchdown. This work brought the crowds to their feet, the better to watch his perfect dodging.

The interference of the backfield was much better than a week ago, and the forwards went into the game harder. The team seemed at a loss when Holy Cross tried forward passes or onside kicks, and these went for a gain almost every time. Penalties were much too frequent and often for technical offences that made the crowds hoot.

In comparison to the work of Yale against the same team on the preceding Saturday, John Harvard looks rather weak, for with a dry field there would have been a very different story. There were flashes of speed, of clever playing and of real old-fashioned football, but they were almost obscured by the fumbling and frequent fouling on both sides. The Crimson showed as an offensive team to good advantage, but on the defence a line plunge was about the only thing that she had stopped.

Williams lost the game to Springfield Training School by a lucky score after a sixty-five yard run in the mud, and will show the men of Harvard a few things about football on Saturday unless they can learn a lot from their coaches in the meantime. Williams is looking for blood this year, and Crimson is just about the right color. The loss of Wigglesworth at the time when Gardiner is also out of the game will be keenly felt by Harvard, for it means that all of the work will have to be done by Potter. Williams went through the game with the Training School in fine shape, and will have a first-class team to send on to the gridiron in the Stadium.

MINING SOCIETY MEETS TONIGHT.

This evening the Miners gather for their initial meeting of the year in the Union at 7.45. There is to be an interesting program of music and talks, rendered by the members of the society and the Faculty.

In particular, the meeting is to draw together the new men in the course and the old ones, and Professor Richards will be there to help things with one of his interesting talks. He will talk about Jamaica Pond in an untechnical manner, illustrating the text with lantern slides.

This being the first and best opportunity offered to gather all the men in the course there should be a good attendance, as undoubtedly there will be. Refreshments will be served to all present without charge, and good cheer will be rife.

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Loans and Discounts	- - - - -	\$ 51,556,613.22
Investments	- - - - -	11,629,453.33
Due from Banks	- - - - -	17,065,681.11
Exchanges from Clearing House	- - - - -	4,728,951.32
Cash	- - - - -	11,279,205.11
		<u>\$ 96,259,904.09</u>

LIABILITIES

Capital	- - - - -	\$ 3,500,000.00
Surplus and Undivided Profits	- - - - -	5,813,181.57
Reserved for Taxes	- - - - -	147,009.87
Circulation	- - - - -	834,097.50
Deposits	- - - - -	85,965,615.15
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NOTICE—Free tickets of admission to the Museum of Fine Arts for the year 1911-1912 may be obtained by all students upon application at the ticket office in the Museum entrance. H. L. Story, for the Director.

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Musical Clubs

All new and old men are to be present at the meeting on Tuesday, October, 10, 1911, at 4.15 P. M. (See bulletin boards for time of trials)

FACULTY NOTICES.

Precision of Measurements.

Sept. 30, 1911

The regular course of lectures will be repeated for College Students who have the subject to make up, on Wednesday and Friday afternoons at 4 o'clock in Room 28, Walker.

The list of problems to be handed in before December 1st by students who were marked deficient, D, in this subject is posted on the bulletin board in Room 16, Walker.

H. M. GOODWIN.

Sept. 30, 1911.

Physical Laboratory Reports for the year 1910-11 may be obtained by applying to the assistant in Room 16, Walker. Reports remaining uncalled for after October 15th will be confiscated.

H. M. GOODWIN.

THIRD YEAR—QUANTITATIVE ANALYSIS.

The lecture in Quantitative Analysis 559 is transferred from 20 Eng. B, Thursday, at 10, to 54 Eng. Building A.

WALTER HUMPHREYS, Registrar.

HISTORY OF SCIENCE.

Essays handed in to Professor Sedgwick last year will be returned to students on application at the Library of the Biological Department.

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