

# THE TECH

VOL. XXXIII. NO. 51.

BOSTON, MASS., THURSDAY, OCTOBER 16, 1913.

PRICE TWO CENTS

## FIRST SELECTION OF GLEE CLUB CANDIDATES

Forty-one Men to Report at First Rehearsal on Friday.

The following men are to report Friday at 5 P. M. in the Union for the first Glee Club rehearsal: First Tenors—A. D. Baker, Henry Berger, L. D. Faunce, H. O. Glidden, S. W. Gurney, F. A. Hoyt, R. E. Haylett, Jackson, J. S. Marine, L. A. Swan. Second Tenors—R. F. Brooks, E. S. Coldwell, C. Corney, R. E. DeMerritt, J. E. Doherty, A. C. Lieber, K. C. Mason, S. Parkinson, H. E. Schabacker, H. P. Shephard, R. B. Walter, A. K. Wells. First Bass—F. L. Ahern, C. A. Bidwell, A. W. Carpenter, B. E. Field, C. W. Howlett, A. W. Johnson, A. C. Litchfield, F. A. Raymond, F. H. Rockett, E. S. Tisdale. Second Bass—C. G. Norton, N. D. Doane, S. W. Baxter, A. Tabbutt, R. H. Ross, L. E. Armstrong, G. W. Blakely, A. S. Thyberg, H. P. Pinkham.

These men should learn the words of "Take Me Back to Tech," and also call at the Cage to get new music which they are to learn.

The first concert will be November 11. This concert will be followed by a dance, and great weight will be placed on the work of the men in the interim. Because a man is not called out now does not necessarily mean that he has no more opportunity to make the club. A careful record is kept on file and as soon as men are dropped others will be called to take their places.

## GAME CANCELLED

Sophomores Will Not Play Mechanic Arts H. S. Today.

Manager Buxton of the 1916 Football Team had arranged a game for this afternoon with the Mechanic Arts High School, but owing to the fact that the Sophomore team is in poor condition after Monday's grueling contest, the game has been cancelled. It was to have taken place at North Brighton, and it is possible that another game will be arranged to take place there later.

Practice was held today, although Kaula, Allen, Randolph and Petit are among those unable to play. Three new candidates reported to Coach Cuddy, but this is not enough, and unless more men come out, especially for the backfield positions, the prospects of defeating the Freshmen will not be great. The loss of Petit will be felt, and his place is a difficult one to fill.

A game has been arranged for next Wednesday with the Somerville High School team, which defeated the Freshmen on Columbus Day.

## JUNIOR BALLOTS DUE

Today Is Last Opportunity To Vote For Officers.

The Junior Class ballots are due today, and the committee again brings to the attention of the members of the class the fact that no votes will be counted unless the voter has paid his class dues.

## REV. MR. J. A. RICHARDS TO SPEAK THIS NOON

Subject of Second T. C. A. Talk to Be "The Spirit of Adventure."

The T. C. A. is to conduct its second weekly talk in the Union this noon at 1.30, and judging by the large attendance at last Thursday's meeting, a large number of men will undoubtedly turn out to hear the Rev. Mr. James Austin Richards speak. Mr. Richards is pastor of the Mt. Vernon Congregational Church, and he will speak in the Union, for the first time, this noon.

The Rev. Mr. Richards has chosen for his topic, "The Spirit of Adventure," and the talk will very likely be of considerable interest. The T. C. A. hopes that a large number of men will be on hand to give the pastor a worthy welcome, and to give the weekly talks their full support.

## FRESHMAN HYGIENE

Dr. Arnold Rockwell gave the second of a series of lectures on hygiene yesterday in Huntington Hall. These lectures are given to the Freshman Class. All 1917 men are required to attend.

Dr. Rockwell's subject yesterday was "The Physiology of Digestion." He emphasized that college men usually did not take time to properly masticate their food, and he said this is a large cause of many students losing their health. Dr. Rockwell will deliver his third lecture next week at the same time.

## MANDOLIN REHEARSAL

The first Mandolin Club rehearsal will be held today at 4.15. Everyone wishing to be in the club this year is urged to be present. Any new men who are not present at the trials last week may come today to be tried out. The management is well pleased with the number of new men who have already come out, but there is room for more before the desired size of the Club is reached. The Union at 4.15 today.

## PROF. BREED TO SPEAK

First Civil Engineering Society Meeting Tomorrow.

The Civil Engineering Society will hold its first meeting tomorrow night at 8 o'clock in the Union. Professor Charles B. Breed of the Civil Engineering department will speak, with "Abolishment of Grade Crossings at Lynn" for his subject. Professor Breed has been in charge of this work for several years, and has a collection of lantern slides with which he will illustrate his talk.

This meeting is open to all men in the three upper classes of the Courses I, XI, and IV, Option 2. Refreshments are to be served.

With President Maclaurin back, a General Convocation is to be expected.

From now on the Orchestra will make the Union uninhabitable.

## CROSS-COUNTRY MEN RUN OVER COURSE

Small Squad Appears for Trip Fall Handicap Meet Correction.

In yesterday's issue of THE TECH the Fall Handicap Meet was announced for next Saturday. This is an error as the Meet comes October 25.

Yesterday afternoon thirteen candidates for the Cross-Country Team ran over the course. The rainy weather of the last few days made the ground rather soggy and rendered the course pretty difficult. Capt. Nye held the leaders together and found it rather hard to keep the practice run from developing into a race. Coach Kanaly was disappointed that more men did not appear as these runs are of major importance.

The course is not materially altered from last year, except that the roads in the first hill have been completed, and that the famous plowed field is now being changed into a lawn.

The following men ran, but no order of finish is given as there was no race, merely an increase in pace for the last quarter: Cook '15, Guething '16, Benson '16, Peaslee '14, Graff '16, Best '15, Lee '14, Nye '14, Wilkins '14, Currier '14, Brock '17.

## SOPHOMORE NOMINATIONS

Due at Cage at Five O'Clock This Afternoon.

All nomination papers for Sophomore Class officers are due today at 5 P. M. at the Cage. Papers signed by at least ten Sophomores are to be made out for the following officers:

President, Vice-President, Secretary, Treasurer, two men to the Executive Committee, two to the Institute Committee, and two to the Athletic Association. Every Sophomore must pay his class dues to an official collector before his ballot will be counted. This does not affect nomination papers but merely the ballots themselves.

## TENNIS TOURNAMENT

The weather during the past week has been of such a character that tennis playing was impossible, but the officers of the Association hope that if the weather permits the matches will be played as quickly as possible, since the time remaining is very short. Only four matches in singles have been played so far, so practically the entire tournament has been delayed over a week.

## UNION CHURCH RECEPTION

The Union Church extends an invitation to all students to be present at an at home to students in the church parlors, Columbus avenue and West Newton street, at 7.45 this evening.

Several Freshmen from the West are reported to be constructing an ark.

## CATHOLIC CLUB GIVES DINNER TO FRESHMEN

Dean Burton, Father Brock '00, and Father Scanlan Give Interesting Talks.

In spite of the most unfavorable weather last night a large number were present at the Catholic Club reception to the Freshmen, which was held in the Union. All the space available in the two adjoining rooms was taken to accommodate the members and the guests.

After a very enjoyable dinner, L. F. Walsh, president of the Club and toastmaster for the evening, spoke briefly on the purposes of the Club and the social life of the Catholics at the Institute. Dean Burton was then introduced and given a rousing "M. I. T." He said that although this was the first time he had addressed the Club as a body, he had seen all the members at least once before, and some of the members even oftener. The Dean pointed out the advantages that can be gotten from an organization like the Catholic Club, adding that the members should not confine themselves to this club alone, but should give the other clubs at the Institute the benefit of these advantages. He suggested that like the T. C. A. the Catholic Club could do a lot of good by appointing a committee of advisors to help the new men coming here in the fall. He next took up the nature of the work at the Institute. In order for Tech men really to succeed they must take a real, live interest in their work and realize that it is their life profession. Hence, the first two years here are made general so that every man may better realize what he wants. It is also a great factor to be made to do the disagreeable. The best engineer is the man who has the power to do the things he doesn't want to do at the time he doesn't want to do it.

(Continued on page 3.)

## WEATHER

For Boston and vicinity: Unsettled, generally fair; diminishing north to west winds.

## CALENDAR

Thursday, October 16, 1913.

1.30—T. C. A. Talk—Union.  
2.00—Electrical Engineering Trip—Lincoln Power House—Boston Elevated—Leave Lowell Building.  
4.15—Mandolin Club Rehearsal—Union.  
4.15—1916 Tug-of-War—Gym.  
4.15—1917 Tug-of-War—Gym.  
4.15—1916 Football—Oval.  
4.30—1917 Football—Field.  
4.30—1917 Relay—Field.  
4.30—1916 Relay—Field.  
5.00—1916 Nominations due—Cage.  
7.45—Reception to Students—Union Church.  
Junior Class Ballots Due.

Friday, October 17, 1913.

2.00—E. E. Trip to Lincoln Power House—Leave Lowell Building.  
5.00—Glee Club Rehearsal—Union.  
8.00—Civil Engineering Society Meeting—Union.

# THE TECH

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THURSDAY, OCTOBER 16, 1913.

It is with sincere regret that we note, in the list of resignations from the instructing staff presented at the recent meeting of the Corporation, the name of Professor T. E. Pope of the Chemistry Department. Professor Pope will be greatly missed at Technology, for he was remarkably well in touch with the individual students; indeed he was relied upon to present their point of view at meetings of the Faculty. We have always known him as an exceedingly painstaking and earnest teacher, gaining the confidence of his pupils by putting life and interest, together with sympathetic help, that many an erstwhile indifferent student owes the beginning of his success. The best wishes of students and Faculty will follow Professor Pope with hopes for a long well-earned leisure.

Professor Pope graduated at Harvard in 1869, became an instructor at the Institute in 1874, and after two years accepted the Chair of Chemistry at the Iowa Agricultural College. He returned to the Institute as Assistant Professor, and in 1895 became Associate Professor of General Chemistry, ranking a full Professor since 1900. He now retires under the Carnegie Foundation.

The moderate attendance at Dr. Rockwell's talk to the Freshmen on personal hygiene would seem to indicate that the latter do not realize the importance of the subject. This is particularly unfortunate for them, as information of the sort given in these talks is particularly difficult to obtain in any other way, in accurate and authoritative form, and is absolutely essential to every college man who aims at a successful career. Upper-classmen as well will make no mistake to improve this opportunity. We hope to see the next lecture better attended.

The season for selling drill suits is on the wane.

Large crowds are expected Saturday at the first meet of the season.

## ENGINEERING AND SCIENTIFIC NOTES

The proposition of a sea-level canal across Scotland is now receiving serious consideration. The canal, which is to connect the Firth of Forth with the Clyde, a distance of 29 miles, would cost 120 million dollars and require five years for completion. It is to be a sea-level canal, and hence will require only sea locks at each end. The soil along the proposed route consists merely of sand and gravel so that the digging of a ditch 150 feet wide and 40 feet deep would be a comparatively easy engineering undertaking. The main function of the canal is to provide a short waterway between Edinburgh and Glasgow.

A new method of lighthouse construction is being carried on with a lighthouse which the government is erecting at the upper end of Delaware Bay. The base of the house was built on dry land and will finally be towed to its destination and sunk. It is in reality a huge tube of reinforced concrete 18 feet high and with walls 18 inches thick. When it is sunk it will still protrude above the water at high tide and the erection of the superstructure may then be carried on in the usual manner. This method saves the erection of costly cofferdams and has proven very successful at some places on the continent.

The Scientific American for Oct. 4th contains a most interesting and instructive article on the manufacture of paper, tracing the extensive process from the cutting of the wood to the handling of the finished product. It is a fact that tons of pulp paper are daily consumed (300 million dollars worth annually) in America for the manufacture of newspapers, magazines and books, but few of us know the variety of processes by which this paper is produced. The article has some fine illustrations and is well worth reading.

The much discussed tunnel under the English Channel connecting the island with the mainland of France offers no insurmountable difficulties to the engineer. The bed of the channel is composed of firm impervious chalk. Statistics indicate that there would be a profit in such a tunnel and the old political and military prejudices against its construction are now disappearing.

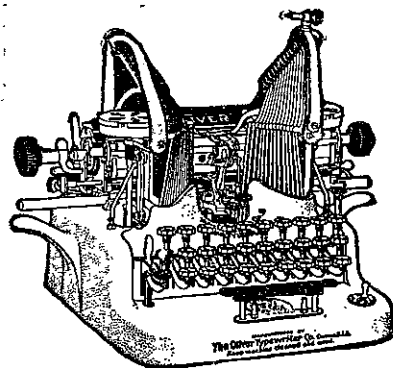
Investigations upon the magnetic properties of elements have shown that graphite is peculiar in its properties when in a magnetic field. By experimenting with lead pencils and various bars of graphite Mr. G. E. Roberts has found that when the lines of force of a magnetic field are perpendicular to the planes of cleavage of the graphite crystals the electrical resistance of the specimen is increased by several hundred per cent in some cases.

### WHO HAS LOST A BOOK?

The stranger entering the office of the Superintendent of Buildings and Power is entitled to be astonished at the number of found, but unclaimed books and note-books which lie there awaiting owners. Cards are sent to those whose names are on the lost articles but even then the pile of over one hundred books fails to diminish in size.

The second Symphony Concert of the year will be given today.

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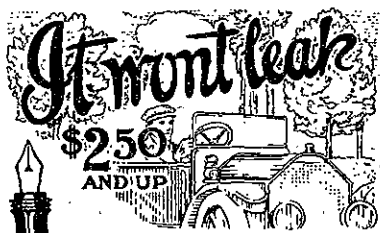
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## BUSINESS MEETING OF COSMOPOLITAN CLUB

Held in the Union Dining Room  
Yesterday Afternoon  
—Plans Made.

At 5 o'clock yesterday afternoon the Cosmopolitan Club held a business meeting in the dining room of the Union and plans were made for the present term.

At the last meeting of the Club a committee consisting of Professor Doten, C. E. Fox, and Turpin Hsi was appointed to revise the constitution, and the amendments made were announced. They will be posted on the bulletin boards to be voted on at the next meeting. Pablo Beola was nominated for second vice-president by the nominating committee, and all other nomination lists containing the signatures of five members of the Club should be handed to Secretary Turpin Hsi before October 22.

The arrangement of the National nights was made, and after a lengthy discussion the following dates were decided upon. Chinese night, November 8th, British night the last week before the Christmas recess, and the annual dance at some intermediate time to be decided upon later by the dance committee.

The final business of the Club was to elect the following American students as members: C. W. Loomis, Stewart Keith, E. S. Coldwell, N. E. Tourtellote, A. C. Sherman, Jr., Alfred B. Hall, R. D. Salisbury, F. C. Foote, S. M. Fox, and W. N. Eichorn.

## CATHOLIC CLUB DINNER

(Continued from page 1.)

Father Brock, a 1900 Technology graduate, was the next speaker. He said he was glad to see how social life had developed here at Technology since his time. Then there was no place where the students could get together as they can now in the Union. He spoke very highly of the Institute, and said that he considered the years spent here as among the most profitable of his life. Tech men, he said, come here for good honest work; there is no bluff about it. This is the spirit that does things.

Father Scanlan, the spiritual director of the Club, gave the closing talk. He urged the men to be loyal to the Institute and make the most of their advantages. If the good of this club could be blended with the good of the other clubs, it would be possible to evolve a perfect man.

With Solomon to play the piano, a few of our familiar Tech songs were sung with great zest. A business meeting was then called and the president asked for suggestions for making the meetings more sociable. Mgr. Splaine, who had been unable to attend the dinner, gave a short talk. He told about the Catholic Congress of Missionaries, which is to be held here next week, beginning Sunday. It is expected to be the largest congress ever held, eighty-two bishops to be present. He invited the Club to send delegates, and as a result of the invitation President Walsh and Robert Murphy were elected to attend the Congress.

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This afternoon at 2 o'clock the Electrical Engineering Society will conduct its first excursion to the Lincoln Power Station. It is expected that about thirty men will take this trip while about the same number will take the same trip tomorrow. The students will inspect the old reciprocating type of generator found at the Lincoln station. There are very few of this type of generator now in use as they are being replaced by a more modern type. These generators supply power for the Elevated Railroad only. It is expected that an instructor will accompany each party. This trip is open to Sophomores, Juniors and Seniors, and there is plenty of room for all. The party will leave the Lowell Building at 2 P. M.

**CHANGES IN FACULTY**

Many New Names Are On The List  
 — Important Resignations.

At the Corporation meeting on October 8, the following changes in the instructing staff were made.

Resignations: Thomas E. Pope, Professor of Inorganic Chemistry; S. E. Gideon, Instructor in Mechanical Drawing and Descriptive Geometry; R. J. Wiseman, Assistant in Electrical Engineering; V. W. Allen, T. H. Haines and D. J. McGrath, assistants in Mechanical Engineering.

The following new appointments were made: Albert LeMonnier, Assistant Professor of Architectural Design; William G. Snow, special lecturer on Heating and Ventilation; Professor William T. Sedwick, Professor George C. Whipple and Dr. Milton J. Rosenau, members of the Administrative Board of the School for Health Officers; Ferdinand M. Reyher, Instructor in English for one year, replacing Mr. Batchelor, on leave of absence; Otto R. Schurig, Instructor in Electrical Engineering (two years); Ernest D. Wilson, Research Assistant in Physical Chemistry (nine months); Edgar W. Taft, Assistant in Heat Measurements, replacing Mr. Rowley; Albion Davis, Laurence B. Hoyt, Eugene L. MacDonald, Frederick D. Murdock and Lindsey W. Whitehead, assistants in Civil and Sanitary Engineering for one year replacing Messrs. Coburn, Cremer, Collins, Holbrook and Richardson; Arthur L. Brown, Burton L. Cushing, George H. Clark, S. W. Burrage, assistants in Mechanical Engineering for one year; Charles L. Burdick and Wilford J. Winninghoff, assistants in Theoretical Chemistry for one year.

Three reappointments were also made: R. G. Adams, D. M. Taylor, and K. C. Robinson, assistants in Mechanical Engineering for one year.

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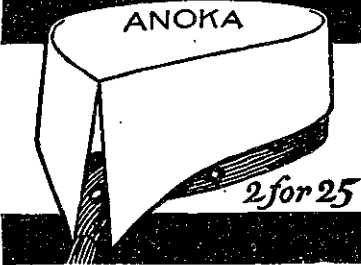
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