

# THE TECH

VOL. XXXII. NO. 97

BOSTON, MASS., THURSDAY, FEBRUARY 27, 1913

PRICE TWO CENTS

## BELIEVE GHOST TO BE WANDERING AT LARGE

Wierd Being Continues to Haunt The Tech—Adds Mystery to Mystery.

An attempt was made yesterday to capture the ghostly visitor, but he, she, or it (the staff cannot determine the gender), vanished into thin air with a loud report. It was thought that if some means could be found of detaining the RUMOR it might be forced to give up its secret as the price of freedom. It has, however, evaded capture. It has been suggested that a steel bear trap be purchased and set in the lower TECH office. If any future engineer can suggest any other feasible way of capturing this disturber of the peace THE TECH would be glad to hear from him. It does not desire such foolish methods as "putting salt on its tail" or other fallacies of childhood to be handed in as suggestions. It might go hard with the man who had the temerity to hand in such a suggestion, as the staff is just about "grouchy" enough to eat the New Site.

### THE RUMOR!!

In yesterday's TECH appeared an account of a new and unclassified RUMOR floating through the offices ever and anon. Since that article was

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## COMMUNICATION.

To the Editor of THE TECH:

Referring to my friend, Mr. Peck's article, in yesterday's issue, I do not agree with his proposition that twelve men cannot properly represent fifteen hundred students, as this principle is carried on in almost any railroad or industrial corporation in the world. To minimize the number of directors is really the principle.

In the Technique 1913 is published in the Institute Committee, officers, class representatives and members "ex-officio." The latter almost overburden the Class and "major" activities.

On this same line, it seems to me, that allowing membership from courses (as I stated before) created too large a body, with possible chances for "log rolling." We have seen the latter in the past (I hope it has been killed), but we do not want to create the opportunity. When one gives the M. I. T. A. A., the Tech Show, THE TECH, etc., a minimum voting power compared with what the Course Societies might aggregate with the Class representation, it seems to me that the representation as proposed by the new constitution and by-laws is excessive.

As to Mr. Peck's statement, "that the constitution is merely the document to form the Undergraduate Association and to give standing to the Institute Committee, and that the duties of all officers, etc., are stated in the by-laws of the Institute Committee," this seems to me a new feature in the program.

I had assumed that the new constitution and by-laws would (if adopted) supersede all previous regulations.

Might it not, therefore, be well and expedient to inform the laymen (myself and many interested students), just how much is behind the new constitution and by-laws, or what such are subsidiary to?

Yours truly,

F. H. Briggs.

## TECH ENTRANTS IN N. E. A. U. INDOOR MEET

Wilkins and Wilson Favorites in Dash—Huff and Curtis in Hurdles.

Many of Tech's best athletes have entered the N. E. A. U. indoor championships, which will be held Friday evening at Mechanics' Hall. This meet will abound in fast men, and fine work will be required to score points.

In the dash, Tech will be ably represented by L. A. Wilson, '14, and H. S. Wilkins, '14. Both of these men are very fast, and will make a good showing against the other New England stars who have entered this event. Wilkins has been improving steadily, while Wilson, although feeling the effects of a strained tendon, is running very fast. Wilkins is a favorite for first place among many followers of sport.

Both A. B. Curtis, '15, and Tommy Huff, '14, will be seen in the 45-yard hurdle race, and are conceded to have a fine chance. Huff has made an excellent showing in all the recent meets, but Curtis has not been practicing much lately, and for this reason will probably make a poorer showing than Huff.

Palmer is the only Tech entrant in the mile run, and is likely to pick up a second or third. The mile is his best distance, and judging by his performance at Providence he is rapidly rounding into form.

In the 600-yard run will be seen the two Guethings, Bolton, '14, and Dean, '16. The elder Guething is decidedly the best of these runners, and should place in this event. The three others will be obliged to do better than in their recent races in order to be among the winners.

Polton will enter the 300-yard dash, as will Curtis. Both these men are fast, but it is difficult to see how they can place in a race with some of the cracks who have entered. Reed, '16, may enter also.

Hall and Teeson are entered in the high jump, and if they live up to the performances which they made at Providence they may pick up a third or fourth. They will be competing against Barwise of the B. A. A., Johnstone of Harvard, and several other famous stars. To place they must do at least as well as at Providence.

## BASKETBALL GAME.

Sophomore Team Plays Haverhill Tomorrow Night.

Tomorrow night the Sophomore basketball team plays the fast Haverhill quintet at Haverhill. The men to take the trip will probably be: Neuman, center; Morse, Scully and Quirk, forwards; and Wilson, O'Brien, McBride, backs. Success in this game depends almost entirely on the amount of practice the team gets in this week. The team is a good combination of individual players, but they are lack in team work, owing to indifference in practice.

## LOST ARTICLES.

Bursar Rand announces that a lot of text books, note books, gloves, rubbers, small drawing boards and other articles have been recently turned into his office. He requests that any men who have lost such articles call at once to see if theirs have been found.

## INTERESTING SLIDES ON OLYMPIAN GAMES

Splendid Series of Pictures Exhibited Before Cercle Francais.

An interesting lecture, accompanied by a series of excellent slides, was given last evening by F. E. Stern, '15, under the auspices of the newly organized Cercle Francais. As official photographer for the American Press, Mr. Stern was in a position to obtain the best photos the meet afforded, and he made the most of his opportunity. His slides are remarkable, showing as they do close-view pictures of the men in action in all the more important events. His snapshots of the high

(Continued on Page 3.)

## RIFLES BEAT CORNELL.

Tech Club Has Lost Only One Match Out of Eight.

Technology won her seventh victory by defeating Cornell, yesterday, in a rifle meet. The rifle team has been steadily improving and has achieved their highest average for the year. The team shot as follows:

Men	Standing.	Prone.	Total.
Stewart	98	99	197
Haslam	94	100	194
Simmons	91	96	187
Gere	85	98	184
Casseiman	90	94	184

946

Stewart's mark of 197 is the best individual score for the year when all the thirteen competing teams are compared. Edminister, of the Mass Aggies, has also tied this mark. The total number of points was 946, which easily beat Cornell's score of 891. This is the best total mark made by the team even though Chandler, who is one of the team's strongest men, was sick and unable to shoot.

The rifle team has only lost one meet; that was to Princeton, 929-915. They have beaten the University of Maine, University of Vermont, University of North Georgia, R. I. State College, Clemson College, Norwich University and Cornell. The club now stands next to M. A. C. and Harvard, neither of whom have as yet lost a match. The next shoot is against Columbia University.

## T. C. A. TALK.

Mr. Henry Abrahams Will Speak On "Labor and the Church."

Mr. Henry Abrahams, who is to address the student body at 1.30 today, is a well recognized labor leader. He is unusually well qualified to speak on his subject, "Labor and the Church," on account of his position as secretary of the National Cigarmakers' Union and secretary of the Boston Central Labor Union. At a college like this, whose students must at some time deal with labor in a more or less intimate manner, the speaker should draw a large audience. The subject promises to be interesting not only on account of its broadness, but also on account of the unusual grouping of two subjects like Labor and the Church. To surpass the excellence of the Thursday noon talks of the past would be a hard task; but nevertheless the officers of the T. C. A. think that Mr. Abrahams has the ability to do it.

## ILLUSTRATED TALK FOR ELECTRICALS

Mr. Jewett Will Address Them on "Problems in Electrical Engineering."

Tonight, at 6.45 o'clock, the Electrical Engineering Society will hold its February dinner in the Union dining room. The speaker for the evening will be Mr. F. B. Jewett, who graduated from the Institute with the class of '03. His wide experience as an electrical engineer since leaving the Institute, and as Assistant Chief Engineer of the Western Electric Company, fit him to tell the society about "Problems in Electrical Engineering."

During his professional career Mr. Jewett has collected and prepared numerous lantern slides, which he will show in connection with his talk.

The officers of the society are confident that Mr. Jewett's talk will prove highly interesting. Men who are taking electrical courses, and any men who might be interested, are urged to attend the dinner. The price of the tickets, which may be obtained from the officers of the society, is fifty cents.

After the conclusion of Mr. Jewett's talk the Committee on Pins will give its report. The proposed change in the pins has aroused considerable interest among members of the society, and this report will probably receive considerable discussion.

## PROGRESSIVE CLUB.

This afternoon, at 5 o'clock, there will be a meeting of the Executive Committee of the Progressive Club in the Union. The most important business to be taken up will be the question of dues for the club. Up to the present time there have been no dues levied on members. The following men are expected to be present: A. Crankshaw, W. E. Lucas, C. A. Sandburg, L. R. Talbot, A. H. Waitt, G. A. Palmer, Z. Crocker.

## FRESHMAN BASEBALL.

All candidates for the Freshman baseball team are asked to hand in their names at the Cage, stating also the position which they expect to fill. As the Spring is rapidly approaching it is necessary that the team be organized at once so that it may have sufficient practice before the opening games.

Only until the fourth of March to find out.

## CALENDAR.

Thursday, February 27, 1913.

Executive Committee of Progressive Club Meets—Union.

6.45—Electrical Engineering Society Dinner—Union.

All Day—Mysterious Spirit Still Persistently Present.

4.15—Rehearsal of Tech Show Cast—Union.

5.00—Rehearsal of Show Chorus—Union.

Friday, February 28, 1913.

7.45—Chemical Society Meeting—Mr. Ruhler as Speaker—Union.

8.00—Battalion Hop—Horticultural Hall.

Last day to secure 1913 Techniques—Technique Office.

Hare and Hounds' Meeting—Union.

# THE TECH

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Office, 42 Trinity Place.  
Night Phone—Back Bay 5527.  
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THURSDAY, FEBRUARY 27, 1913

## THE NEW CONSTITUTION.

We have heard many men about the Institute asking just what this new constitution for the Institute Committee is, and it is not hard to see that they are the ones who have failed to read the various material, criticisms, and above all, the document itself, which has appeared from time to time for the last few weeks in these pages. These men are among those who will later be asked to vote on the question of rejection or adoption of this important matter, and we are more than glad to see that their interest has been sufficiently aroused to the point of seeking information which will enable them to criticize and vote intelligently.

We have understood that the Constitution Committee will post copies of the proposed constitution in various places about the Institute and we sincerely hope that all will take advantage of this opportunity to become thoroughly conversant with the conditions under which this constitution will direct the government of the student body.

## STUDENT RAND.

Among the names of those men who have not yet registered for Professor Sedgwick's popular course in Sanitary Science, but who have been regularly attending the lectures, is that of F. H. Rand.

The Bursar occupies a prominent seat in the front row during the lecture and shines out among all the others. It was very careless of him to neglect to register, and he risks coming under the wrath of Registrar Humphreys. The Bursar's appearance is a living example of the famous old adage; that "one is never too old to learn." Although he may be attending the lectures because of interest in the subject, there is a vague possibility that he may be a self-appointed committee to see whether Professor Sedgwick's services are a paying investment.

Perhaps it is the ghost of 'Varsity basketball.

Do you believe in ghosts?

Is it the spirits of ammonia?

## TECH SHOW CAST AND CHORUS REHEARSAL

Real Work Starts Today With Thorough Reading of Book.

Today, at 4.35 o'clock, there will be a rehearsal of the cast of the Tech Show, while at 5 o'clock the chorus will also meet. All new men coming out for the chorus must be present at this time, and this will be almost the last opportunity to enter the Show. The real work of the Show will start this afternoon. Up to this time the main idea has been the choosing of the men to take the different parts, but from now on the rehearsals will be in earnest, and every man is expected to be punctual. The entire book will be read over at the meeting of the cast, each man taking his part when it comes up in the course of the reading. The men do not have to read as they would in regular performance, the idea being merely to run through the general run of the plot. At the meeting of the chorus there will be no dancing, but the men will be required to test their voices by singing. Mr. McConathy will be present to help out in this test and will also start on the music of the show.

There will be no cutting at either of the rehearsals. It is absolutely necessary that every competitor be present, as the work now is fundamental and very important.

## COMMUNICATION.

To the Editor of THE TECH:

It grieves me beyond words to see THE TECH fostering another mystery like the one which was foisted upon an unsuspecting student body in connection with the "Was Ist Los" performance. This new rumor which you are circulating is plainly nothing more nor less than another of those abominable advertising schemes. Why at least, couldn't the perpetrators of this abomination have been original? Why in the name of all that is honest and true did they have to rehash that mystery of December 19? I sat up all last night trying to discover what you might be trying to advertise, but I confess it is far and away beyond me. You will have the whole Institute "on its ear" with this detective business and with these cheap ghost stories. Classes will be demoralized and studies will go to the eternal bow-wows even as they did last fall. I ask you as one true Tech man to another: Is this any way to trifle with the minds and spirits of the students? Please for the Freshmen's sake, for your own sake, for my sake, and especially for the sake of the Institute, refrain from this foolishness. You deceive no one and only succeed in arousing the superstitious fears of those among us who are not old enough to realize that such things as ghosts or rumors of ghosts are non-existent. Hoping that you may see fit to abolish this foolishness, I remain, Yours sincerely,  
A 'Stute Stude.

## NEW MOLDING MACHINE.

Foundry Equipped With Machine of Improved Design.

Mr. J. F. O'Neil, who is in charge of the Institute courses in foundry work and pattern making, has just had a new power molding machine installed in the founding laboratory at the foot of Garrison street. In accordance with the policy of the Mechanical Engineering Department of keeping the equipment of the mechanical laboratories up to date in every particular, the new machine is of the latest design. It has a capacity of half a ton, enough to handle any piece

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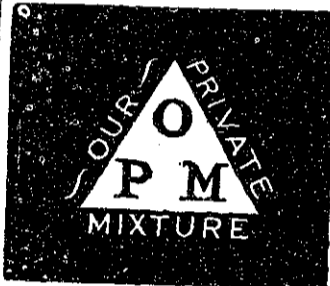
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**CERCLE FRANCAIS.**

(Continued from Page 1, Col. 3.) jumpers and pole vaulters afford, in particular, an excellent study in physical grace and poise. The lecture was one worth attending, and it was really an injustice to the speaker that his audience was so small. All could not have understood the French but the pictures spoke for themselves.

An object of interest to all technical men, and one that was excellently portrayed in the slides, was the new automatic time recorder, a Swedish invention. This consists of a box, in which are contained three stop watches, each capable of recording time down to the tenth part of a second. To this box are connected two series of wires. The end of the one set are connected up with the starting pistol. The explosion of the cap causes a compression, which in turn makes the electrical connection setting the watches in motion.

The automatic recorder is placed opposite the finish, and as the man crosses the line the touching of the tape breaks the connection, and the time is recorded.

The whole lecture, as well as the conductance of the meeting, was entirely in French. The Cercle welcomes new members, and any men who are desirous of keeping up their speaking knowledge of the French language should seriously consider joining it.

**MOLDING MACHINE.**

(Continued from Page 2.)

of founding possible at the Institute. Mr. Wilfred Lewis, who perfected this special type of molding machine, is a graduate of the Institute, and is at present the president of the Tabor Manufacturing Company of Philadelphia.

The machine itself appears to be a large cylinder, on the top of which is mounted a flat cast steel plate, 24 by 36 inches in size. The whole stands about six feet high, but is set in a pit so that its top is flush with the foundry floor. When in operation a specially mounted pattern and a half flask are placed on the table and filled with sand. The table is then raised by means of compressed air at a pressure of 80 pounds, and allowed to drop, thus packing the sand around the pattern. This jarring is repeated automatically until this half of the mold is completed. The other half is rammed in the same way, and the two fitted together as in ordinary hand work.

Although this principle has been used in molding machines ever since the basic patents were taken out by Hainsworth in 1869, the Tabor machine contains many novel features. The most important of these is one which practically doubles the capacity of the machine, and at the same time entirely eliminates the shock caused by the heavy table and flask dropping on the anvil. This advantage is obtained by the following construction: The base is made of a large cylinder, into which fits a piston carrying the operating mechanism of the various valves. The upper end of this piston is reduced in size and works in another cylinder cast in one piece with the table. The whole weight of the piston, table and flask is sustained by four springs in the lower cylinder. When air is admitted to the upper cylinder to raise the load these springs are compressed, and when the air is suddenly exhausted they push the piston up with almost the same velocity as that at which the table moves. This effect is further increased by exhausting the air into the lower cylinder, thus aiding the springs and totally eliminating the shock of the descending flask, but at the same time producing twice the ramming effect with a given height of fall. As an illustration of the perfection to which the Tabor machine has been brought, one weighing 100,000 pounds and capable of handling a 25-ton mold, was recently built, and "while running no shock whatever can be felt in the floor on which it stands."

**TALK ON BUYING AND TESTING COAL FRIDAY**

**Chemical Society to Have Coal Expert as Speaker Tomorrow Night.**

Tomorrow night, at 7.45 o'clock, the Chemical Society holds its February meeting in the Union, with Mr. H. W. Buhler as speaker. Mr. Buhler has chosen as his subject "The Buying and Testing of Coal," and he will bring with him a collection of slides illustrating methods in use today.

It is said that the determination of the heat value of coal by the methods in present use is difficult, owing to the need of apparatus capable, both of withstanding wear and of giving reliable results. Mr. Buhler will be able to tell how the practising chemist has conquered the difficulties, so that he is now able to furnish buyers of coal with the facts which will enable them to secure coal of known heat capacity.

After Mr. Buhler's talk there will be a business meeting, at which the committee on the revision of the constitution will probably report. A vote may be taken also on the question of raising the annual dues to one dollar.

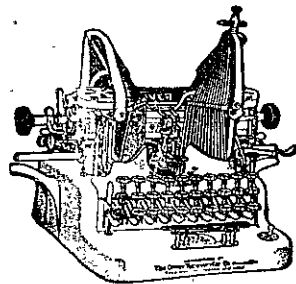
**SPIRIT STILL UNCAUGHT.**

(Continued from Page 1, Col. 1.) written the RUMOR has been seen several times and has manifested considerable activity. It is now becoming violent, overturning chairs and tables and writing meaningless sentences on the typewriters. One of these sentences, which we publish for the benefit of such students as are interested in solving the mystery, is as follows: "Wear\*accourtfer? size 32i." THE TECH staff have puzzled their heads over this manifestation of mysterious power, but can make nothing out of it further than that it may contain a warning to wear protective clothing of some sort—probably on March 4. A later sentence which shows among other things that the RUMOR is learning to use the typewriter in a more legible fashion is: "Five \* Mexico rush." Just what the reference to Mexico may mean at this stormy period in the career of that nation cannot be definitely stated. The staff, however, has arrived at the conclusion that the "five" and "rush" are significant words of some sort. They believe that the "five" may refer to the number of happenings which may be expected on March 4, and that the "rush" is an injunction to get the protective clothing referred to in the first sentence as soon as possible. They would be glad of any suggestions which members of the 'Stute student body may see fit to favor them with, as they have worked on the mystery for forty-eight hours without food, drink or sleep, and are beginning to get a trifle "peevd."

**SIGN-UP BOOKS.**

**Signing Up For Junior Prom Continues.**

With the appearance of the sign-up books for the Junior Prom real activity and elaborate preparations for the coming Junior celebration have started in full swing. Already the holders of the sign-up books report that many upperclassmen have responded to their call; and as things stand at present the affair promises to be the best and most entertaining in years. To avoid overcrowded conditions so as to enable those present to fully enjoy themselves, the committee deemed it necessary to limit the number of couples to 230. It is, therefore, a gentle hint to all those intending to attend the dance to sign up immediately and be among the privileged ones. The books are exclusively open to Juniors and Seniors until March 3, when the Sophomores and Freshmen will be given a chance to sign up for the remainder of the tickets.



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**FACULTY NOTICE.**

The First-Year English Section for foreigners meets Tuesdays, at 4 o'clock in 21 Rogers. Enrollment in this class cannot be allowed after February 25.

**SENIORS** who want their names to appear on the Class Day Committee ballot must pay dues by Saturday, March 1. Class, 1913. E. L. MacDonald, Treasurer.  
 (Tues. Feb 25-5t)

**COSMOPOLITAN CLUB.**

Last Opportunity For Recognized Membership This Year.

By a ruling of the Executive Committee of the Cosmopolitan Club no member shall have his name included in the present rolls of membership, which will appear in Technique, unless his dues have been paid.

During the present week dues will be received by any members of the Executive Committee if left at the "Cage," or by Mr. Cadenas, 1913, Course I, the treasurer of the club.

Perhaps it is not generally understood that all foreigners at the Institute are eligible to membership and become active when they have paid the dues of the current year.

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