

# THE TECH

VOL. XXXIII. NO. 60.

BOSTON, MASS., MONDAY, OCTOBER 27, 1913.

PRICE TWO CENTS

## CROSS-COUNTRY TEAM IS SHOWING UP WELL

**Defeat of Dartmouth Saturday by U. of M. Leaves N. E. I. C. Run in Doubt.**

The Cross-Country Team is trying to arrange a run with Holy Cross, to be held on the Tech course, Field Day. This is expected to add much interest to the occasion by having the finish at the Field, and also to give the men good practice for the New England Intercollegiate Meet at Hanover on the 14th. The winning of this meet, which has been generally conceded to Dartmouth, is now much in doubt because of the defeat Dartmouth sustained on their own course at the hands of U. of Maine Saturday. The Tech team will also compete at the I. C. A. A. Meet, to be held at Columbia on the 22d. This will be the first year that this race has been held at Columbia.

The trials for these approaching contests will probably take place Saturday, and there may also be a race with the B. A. A. the same day. The prospects for a winning team are exceedingly bright, as the men are showing up well, are somewhat faster than last year, and there is more competition. Benson, Lee, Nye and Wilkins, of last year's team, are back, and among the new men Cook, Hastie, and C. H. Guething are doing good work.

The Freshmen expect to send a team to the Andover Cross-Country on the 22d, provided enough '17 men turn out to form a good one. At present but few Freshmen have turned out for this work, and the present prospects are rather poor.

## MINING SOCIETY

**Professor Richards To Talk On Mining Experiences.**

The Mining Engineering Society will hold its first meeting of the year in the Union on Wednesday evening at 8 o'clock. Professor Richards, the head of the Mining Course at the Institute, will be the special speaker of the evening, and the subject of his talk will be "Mining Experiences." The importance of the professional magazines dealing with the problems facing a mining engineer will be brought out by Prof. Richards and he will give several real examples.

Free refreshments will be served to all the men attending. The Sophomores and Juniors are invited, and it is hoped that both classes will be well represented.

## ORCHESTRA REHEARSALS

Stage Manager D. M. Hughes of the Show wishes to announce that hereafter Orchestra rehearsals will be held on Wednesday afternoons instead of Tuesday, as has been done so far. The new arrangement will begin this week, and members of the orchestra will report Wednesday at 5.00 P. M.

Field Day Prospects are beginning to be the general subject of conversation.

## CHESS CLUB LOSES TO HARVARD TEAM

**Close Score of 31-2 to 41-2 Shows Good Prospects For Tech Team**

The Chess Club lost its first match of the season Saturday to the Harvard Chess Club by a score of 31-2 to 41-2. As the result indicates, the games were closely contested, particularly those of Woodbridge '16 vs. Winkleman, and Jones '14 vs. Ford. The former was the only draw, and second longest game of the match; the latter was the longest game.

Another interesting conflict was that between G. Saladradas '16 and Currier, who ranks second at Harvard. Currier gained a slight advantage in the early moves, which he held by a series of exchanges until the end. Ford, who ranks third, defeated Jones, Kennard defeated Dunning '15, and Dean lost his match. Blank '16, Paris '14, and Johnston '15, won their games, and, as already noted, Woodbridge drew with Winkleman, rated No. 1 for Harvard.

The Club is planning to hold matches with Brown and Colby, and also hopes to try conclusions again with Harvard.

## NEW MANAGER CHOSEN

**C. R. Lord '16 Will Fill Out Woodbridge's Term.**

Charles R. Lord '16 has been selected to fill the vacancy on the Show Board caused by the death of S. T. Woodbridge '15. He will act as Business Manager for the remainder of the year. Lord, who comes from Newton, Mass., is a member of Delta Kappa Epsilon and T. N. E. He has served one year as Assistant Stage Manager and was chosen largely because of this, as it was felt that he would have a better understanding of the duties of the position and would be better fitted for it than an outsider with no experience on the managing side of the Show.

## W. H. BUTLER TO TALK

**Assistant Pastor at Old South Church For T. C. A.**

Rev. Willis R. Butler, the assistant pastor of the Old South Church, at the corner of Boylston and Dartmouth Street, is scheduled as the next T. C. A. speaker. He will give his talk this Thursday noon in the Union, and has chosen as a subject, "Spiritual Efficiency."

Mr. Butler has entire charge of the work among young men at his church, and has had an unusual amount of experience in this line. As University Preacher he has visited a large number of New England colleges, at many of which chapel is compulsory. He is by no means unknown to Tech men, many of whom have come in contact with him at his home church.

Five week exams are beginning to worry the Freshmen. And those seven weeks are not very far away either.

## FRESHMAN COMPETITION FOR TECH SHOW OPENS

**Candidates For Assistant Business Manager Will Meet Wednesday.**

Wednesday afternoon at 1.30, the competition for Freshman Assistant Business Manager of the Tech Show will open. Three men will be chosen from the candidates in this competition, which offers an excellent opportunity for any man to use to advantage time ordinarily wasted. The competition consists in getting ads, and other work of a like nature. The time used is from 4 to 6 P. M., when a man is generally doing nothing, so any person coming out need not feel that his efforts are wasted.

This competition is a leader to one of the most important positions in undergraduate activities, namely, that of General Manager of the Tech Show. From among the three men chosen as Freshman Assistants, two are retained as First Assistants in the Sophomore year. This means further competition throughout the year, even after the three men are chosen. The First Assistants remain with the Show during their Junior year, one becoming Business Manager, the other Treasurer. At the end of the Junior year, one member of the Board is chosen General Manager.

All men wishing to compete will meet Business Manager C. R. Lord in Room B. Union, at 1.30 P. M. Wednesday, when he will give a short explanation of the competition and outline the year's work.

## TECH NIGHT TICKET SALE

**Sales Table in Rogers Every Day This Week.**

The sale of tickets for the Tech Night show starts today at 1.00 in Rogers Corridor, and will continue through this week. The committee will have representatives there every day from 1.00 to 2.00 P. M. in order that every opportunity for the accommodation of would-be purchasers may be offered.

No limit will be imposed on the number of tickets that one man can buy, but no Freshman will be allowed to sit in the orchestra, the entire balcony, however, being at their disposal. The sale of tickets will be on a strictly cash basis, absolutely no credit being granted. All tickets for this performance must be obtained from this source, except in the case of the Field Day teams, who will be taken care of by their managers. At the end of the week, all unsold seats will be returned to the management of the theatre and disposed of by public sale.

## LOWELL LECTURES

This evening at 8 o'clock in Huntington Hall, Kirsopp Lake, M. A. D. D., will deliver his third lecture on Primitive Christianity. The subject of this evening's lecture will be "The Gentile World." The Empire; Orientalism; Magic and Philosophy; Jewish and Christian Missions.

On Thursday evening the matters considered will be: The Pauline Churches, and The Problems of Hellenic Christianity.

## COMPETITION FOR MANAGING EDITOR

**Position on Tech Board Open Only To Upper Classmen—Trials Begin Wednesday.**

The Managing Board of THE TECH has decided to open a competition for the position of Managing Editor of the paper, made vacant by the recent resignation of F. C. Foote '15. The occasion for this step is the total absence of upper classmen from the news staff and news board, only full Juniors and Seniors being eligible to the office.

The Managing Editor is an ex-officio member of the Managing Board, equal in rank and influence with the Advertising and Circulation Managers, Treasurer, and Editor-in-Chief. The position is one which can be made more important or less so according to the character and personality of the incumbent, as its duties are not strictly defined but overlap and merge into those of the Chief News Editor, heads of departments, etc. They may, however, be said in general to consist of organization and supervision of the News Department with respect to getting out the paper, in distinction to looking up news, which is the province of the Chief News Editor. The Managing Editor organizes the work of the Night Editors and assistants, attend to arrangements with the printer concerning the form of the issue, and maintains co-ordination between the news and business sides of the paper.

The competition will start Wednesday, the exact time to be announced tomorrow. It will last perhaps a few weeks; just long enough to pick out the best man. The decision will be based on personality and ability as shown in actual work.

## COSMOPOLITAN CLUB

A regular business meeting of the Cosmopolitan Club will be held Wednesday, Oct. 29, at 5.00 P. M. in Room A, the Union. All members and officers are requested to attend.

## CALENDAR

**Monday, Oct. 27, 1913.**

1.00—Tech Night Ticket Sale—Rogers.

4.00—1917 Relay Team—Field.

4.00—1917 Football Team—Field.

4.00—1917 Tug-of-War—Oval.

4.00—1916 Relay Team—Field.

4.00—1916 Football Team—Oval.

4.00—1916 Tug-of-War—Oval.

**Tuesday, Oct. 28, 1913.**

1.00—Tech Night Ticket Sale—Rogers.

4.00—1917 Relay Team—Field.

4.00—1917 Football Team—Field.

4.00—1917 Tug-of-War—Oval.

4.00—1916 Relay Team—Field.

4.00—1916 Football Team—Oval.

4.00—1916 Tug-of-War—Oval.

**Wednesday, Oct. 29, 1913.**

1.00—Tech Night Ticket Sale—Rogers.

1.30—Candidates for Assistant Show Manager—Union, Room B

8.00—Mining Engineering Society—Union.

Final relay trials are due this week.

# THE TECH

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

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

## MANAGING BOARD.

S. H. Taylor, '14.....General Manager  
E. A. Weaver, '15.....Editor-in-Chief  
F. C. Foote, '15.....Managing Editor  
H. I. Knowles, '15.....Advertising Manager  
G. A. Palmer, '15.....Treasurer

## NEWS BOARD.

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W. T. Knieszner, '16.....Institute Editor  
G. W. Wyman, '16.....Societies Editor  
J. B. Carr, '16.....Athletic Editor  
T. C. Jewett, '16.....Assistant  
C. W. Loomis, '16.....Asso. Editor-in-Chief  
J. K. Heller, '16.....Assistant

## NEWS STAFF

C. W. Hawes, '16.....H. P. Gray, '16  
R. Millis, '16.....E. F. Hewins, '16

## BUSINESS BOARD

C. Lacy, '15.....Asst Adv. Man.

Office Hours of General Manager:  
5.30 to 6.00, Daily, Except Saturday.

Office Hours of Managing Editor:  
8.40 to 9.00 A.M., Daily; 5.30 to 6.00 P.M.,  
Daily, Except Tuesday and Thursday.  
7.00 to 8.00 P.M. Friday.

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MONDAY, OCTOBER 27, 1913.

We desire to call the attention of upper classmen to the competition announced in this issue, for Managing Editor of THE TECH. As stated there, the position is one whose importance depends entirely upon the character of its holder; he can merely do what comes before him and become a sort of figure-head; or he can "branch out" and make himself an essential factor in the workings of the paper. It is therefore a position with great possibilities for any man with ambition and push, for it is but one step removed from the highest position on the paper.

The position also offers valuable experience in coming into contact with other men, learning from them, getting along with them, and managing them. The qualities of character thus cultivated, any successful man will tell you, are those which lead to the top in any field of modern business life. All work on the paper is productive of this form of experience, but the Managing Editor perhaps receives more than any other individual, for he forms a sort of link between the news and business departments, besides coming occasionally in contact with outside men.

## STEAM PIPE BURSTS

Last Friday afternoon at about 3.00 P. M. traces of steam appeared through the floor of the electrical laboratories, and on investigation it was found that a six-inch elbow on one of the steam pipes had been broken. This was speedily repaired and no serious damage was done.

The Sophomore victory over Latin School is expected to make the Freshmen sit up and take notice.

## ENGINEERING AND SCIENTIFIC NOTES

Are men better typists than women? This interesting social question has been submitted to scientific analysis, and an article on the subject appears in the Scientific American for October 25th. Various tests were applied to individuals to determine their accuteness of touch, memory, audition, etc. To test the tactile sense an ingenious device known as a Webber compass is used. This is merely an instrument for touching one or two points with an equal pressure on various portions of the body and then finding the minimum distance which they can be separated and still produce a distinct double impression on the brain. The distance of course varies greatly with the part of the body and its nerve development. Try this yourself, or, rather, have someone try it on you, and see the marked difference between the distance on the sensitive finger-tips and the middle of the back.

As a test for the rapidity of the mind for absorbing facts a screen containing some sentences printed upon it was exposed for a brief time to the "patient," who was then requested to repeat all ideas which he has assimilated. To measure the velocity of audition and the accompanying reaction, a gong is struck and a chronometer reading to 1000th of a second is simultaneously started by an operator. As soon as the observer hears the gong he presses a lever which stops the chronometer and thus registers the time required for perception. Muscular sensibility is tested by ability to accurately detect differences between nearly equal weights. As an answer to the above question, it was found that with the comparatively few individuals examined that the men were on the whole superior.

The estimated value of the gold produced in the Alaska portion of the Yukon basin in 1912 was \$8,645,000, compared with \$9,050,000 in 1911. This decrease is due to the falling off of the output from the Fairbanks and Hot Springs districts, for the other Yukon camps either held their own or somewhat increased their output compared with the preceding year.

The Fairbanks district continues to be the largest producer of placer gold in the Yukon country. It can not maintain this position long, however, without a radical change in mining conditions which will make it possible to exploit profitably its extensive bodies of low-grade placers. But little has been accomplished in this direction, and the best hope of the future lies in obtaining direct railway connection with tidewater.

In order to eliminate disputes and consequent dissatisfaction which sometimes arise among the judges of "close" races, cameras are now frequently employed which are set off by the winner breaking a fine string as he crosses the finish line. The development of modern photography has enabled a picture to be taken with such a brief exposure that photographs obtained in this manner not only serve as interesting pictures for the sporting pages of our newspapers, but they afford a permanent record of the "finish," which is far more authentic than the momentary glimpse of the judges.

Avoid all petty professional jealousies, and remember that to rise in the world it is not necessary to push others down.—Waddell.

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### PHYSICAL LABORATORY NOTE-BOOKS

Students desiring to obtain their physical laboratory note-books are requested to call for them at once in Room 16, Walker.

All books remaining unclaimed after November 1st will be confiscated.  
H. M. Goodwin.

### ALTERATIONS OF SECOND- HAND UNIFORMS

A representative of the uniform contractors will be at the Armory during the Wednesday drill periods, Oct. 22 and Oct. 29, to take charge of all parts of uniforms requiring alteration as to fit or ornamentation. Students are at liberty to have the work done anywhere providing it is done properly but arrangement has been made to have this work done by the contractor at rates which are reasonable and probably cheaper than those charged elsewhere. This work should be attended to at once as when the new uniforms arrive the workmen will have all their time occupied by work on them and excuses will not be accepted for work delayed through carelessness. The address of the tailor employed for this work is James Greator, No. 27 Causeway St. You can go there, but will save trouble by turning in the articles at the Armory not later than October 29th, and better still on the 22d.

EDWIN T. COLE.  
Major, U. S. Army.

### KOMMERS DINNER TO BE GIVEN

Friday Evening, November 14, Date  
Decided Upon—Everybody  
Welcome.

Arrangements for the Kommerz Dinner of the Tech Show are already under way. Friday evening, November 14, is the date which has been set aside for this event, and as usual a good time is promised. Friday evening has been picked out especially so that all the out-of-town men who would perhaps be unable to attend on a Saturday evening may do so. The object of this dinner is to arouse an interest in the Show among the student body, and it is one of the most widely attended events of the college year. The dinner is open to all men in the Institute who wish to come and enjoy a good "feed," a "swell time," plus a knowledge of the Tech Show and the position it holds in student activities. The plans for the year will be discussed at the dinner, and the different managers of the respective departments will outline the work which comes under their supervision.

All men from all courses and from every year are invited, and therefore the Show Management request that the night of November 14 be left open for the Kommerz.

### FACULTY NOTICE

There will be an hour exam in Mr. Carb's section of Second Year English on Saturday, Nov 1, at 9 o'clock.

### FOUND ARTICLES

Articles enumerated below have been found. Owners of same may obtain them at the office of the Supt. of Bldgs. and Power, 26 Trinity Place.

- 1 Umbrella.
- 7 Books.
- 1 Square.
- \* 1 Pair Gloves.
- 1 Key.
- 1 Felt Hat.

You will find as you go through life that earnestness of purpose is the mainspring of success, and that if you set you mind on attaining any object within reason, you will, if you keep on trying, eventually succeed in attaining it. I am a firm believer in the French proverb, "Tout vient a celui qui salt attendre," because I have tested it, and have never yet found it fail to be correct.—Waddell.

In all your work develop and employ constantly such a perfect system of checking and counter-checking as will render you as nearly absolutely proof against making mistakes as it is possible for fallible humanity to become. By so doing you will save yourselves infinite worry and trouble. I know of no more unpleasant sensation than that which one experiences immediately after ascertaining that he has made a blunder; and, moreover, the sensation does not pass away as quickly as one might wish. I have known cases in which the duration extended over years.—Waddell.

By all means do not fail to cultivate the ability to write and speak your mother tongue correctly, forcibly, and even elegantly. Even an engineer has frequent use for this power, and his ability as an engineer is continually being judged by his written and spoken language.—Baker.

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Date To Be Set Next Week—  
More Entries Wanted

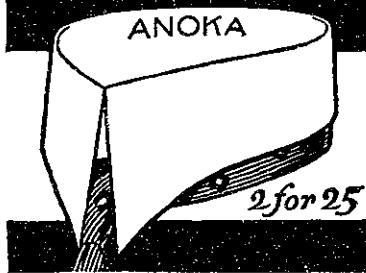
The Annual Fall Handicap Meet which was to have taken place at the Field on Saturday afternoon was postponed because of the poor condition of the track caused by the all day downpour. The meet will be run off in the immediate future, and the exact date will be decided upon the first part of this week by Coach Kanaly and "Bud" Thomas. The meet may not be "pulled off" on one day, but rather on two or three afternoons.

Since the preliminary meet of last week things have been "humming" at the Field, and the daily practice of the candidates for the Freshmen and Sophomore teams has gradually turned the attention of the students toward the major sport at the Institute. The Varsity teams will be well represented in the meets of this year, and the outlook for the one and two mile relay teams is particularly bright. The majority of the men on these teams have returned to school, and many promising candidates may be drawn from the new candidates who are seen daily at the track.

In the dashes Technology will be well represented by L. A. Wilson, H. S. Wilkins, C. W. Loomis, and Winton, the Freshman star of last week's meet. Winton comes from Exeter Academy, where he was captain of the hockey team, and prominent on the track.

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