

# THE TECH

VOL. XXXIII. NO. 148.

BOSTON, MASS., WEDNESDAY, MARCH 11, 1914.

PRICE TWO CENTS

## CLASSIFIED WORK OF STRUCTURAL ENGINEER

Mr. R. D. Emerson Spoke Before  
Architectural Society  
Yesterday.

A meeting of the Architectural Engineering Society was held yesterday at four in the lecture room on the fourth floor of Pierce. The meeting was opened by President C. L. Hopkins, who was followed by Mr. R. H. Annin. Mr. Annin delivered the first of a series of talks by the students of Option 2. His subject was "The causes of the failure of a concrete building at Cedar Rapids." At the conclusion of his discussion Mr. Hopkins announced that Mr. S. A. Smith and Mr. Ralph Salisbury would be the student speakers at the next meeting.

Mr. R. D. Emerson, '05, of the office of Codman and Despradelle, was the principal speaker of the afternoon. His discourse was extremely interesting since it dealt with the exact conditions which Institute architectural engineers have to face upon leaving Technology to engage in active business. Mr. Emerson's chief recent work was the Brigham Hospital in this city. On this construction work he had full charge.

From his experience he stated that he classified the work of an architectural engineer in nine phases. Primarily he should be a structural designer of the highest type. Contrary to general usage Mr. Emerson said that all the steel framing plans of the buildings produced by the firm of Codman and Despradelle are drawn in their own office by their own draughtsmen. The second necessity he gave as a practical knowledge of civil engineering for the purpose of intelligent construction of sewers, roads, etc., and in order to verify the

(Continued on Page 4.)

## SENIORS ATTENTION!

The election of the class day committee is one of the most important of the year and every member of the class should be interested. The ballot for this election will be out next week and, as the list of names on that ballot will include only those men who have paid their 4th year dues, it is important that the list should be correct. In the Union is posted the up-to-date payment of class dues and from this list the ballot will be made out. Look at this list and see that it is correct. No changes can be made after Friday, March 14. So get busy and pay your dues.

H. W. TREAT, Chairman,  
GEO. BEACH,  
WM. PRICE,  
Election Committee.

## TECHNOLOGY MONTHLY MAKES ITS FIRST APPEARANCE TODAY

Marks A New Era At The Institute: Enters The Field  
Of Collegiate Literary Monthly Magazines

One of the biggest undertakings ever completed at the Institute is realized today in the appearance of The Technology Monthly. It brings to every student in the Institute a peculiar personal appeal. It unites the men of each course with those of the other departments; it cements together the energies of men of every class. The Technology Monthly is the foremost integrating agency of the undergraduates. It marks the actual transition into the spirit of New Technology.

Not only does the new publication express that phase of undergraduate interest not previously exploited at the Institute, but it stands in the collegiate world as Technology's literary representative. It fills a long-felt need for an exponent of the more carefully prepared discussions of Tech men.

Ever since the announcement of the new enterprise was made last month, the students as well as the faculty and the alumni have been waiting for the appearance of the Monthly.

Today their expectations are realized. The Monthly is at hand. It contains articles by men connected with undergraduate as well as graduate and faculty departments of the Institute.

Much general information has been disseminated at various times concerning the work at the new site; but in this issue of the Monthly the architect's local representative presents the concise details of the construction and the specific organization under which the new buildings are being erected. To illustrate this discussion two photographic repro-

ductions have been obtained by the staff photographer. Much difficulty was experienced in obtaining these pictures because of the secrecy maintained at the grounds. The photographer finally obtained permission of those in charge to climb to the top of the concrete construction tower and later obtained a picture from the parapet of Riverbank Court, the apartment building on the Esplanade. The report of the recent Inspection Trip of the Electrical Engineering Society is printed in full, and photographs taken on the trip are reproduced to illustrate this article.

One of the features of the magazine is a supplement insert page which may be framed. The drawing was made by one of the professional artists for a Western publication. The list of articles contained in the first issue has been announced by posters and in the columns of the daily press.

Circulation Manager, Homer Rogers, outlines the distribution plan for the New Monthly as follows: "The subscription rate is twenty-five cents per copy, \$1.50 per year, eight issues. Subscription cards may be obtained which entitle the holder to eight consecutive issues starting from the date of purchase. The subscriber may either keep this card and obtain his copies at the tables established for the purpose each month, or he may write his name and address on the back of the card and deposit it at the Publication Office in the Union, when the separate numbers of the Monthly will be mailed to his address free of charge."

(Continued to Page 4.)

## FRESHMEN PROGRESSIVE

Will Hold Prom Same Night As  
Juniors.

An innovation was introduced at the Freshman Executive Committee meeting which was held this noon. It was officially decided to hold a Freshman Prom. This is to be held on the same night as the Junior Prom, and a committee consisting of D. E. Bell and Leonard was appointed to take charge of the details of the affair.

Manager Stevens of the Baseball Team also presented a provisional baseball schedule for the coming season, which included some ten games. Details of this will be announced later.

## CATHOLIC CLUB

The Catholic Club is expecting a big crowd at the next meeting which will be held in the Union tonight at 6 P. M. There will be the usual dinner, after which Dr. Thos. T. Harrington, Director of Hygiene in the Boston Public Schools, will deliver the address of the evening.

Dr. Harrington will speak on the Public Health question, and the Club officers are expecting the best talk of the year. He was a speaker at the club four years ago, and those who have heard him advise every man not to miss this talk.

## WEATHER

For Boston and Vicinity: Today unsettled; moderate westerly winds.

## M. E. SOCIETY MEETING THIS AFTERNOON

Talk on "Automatic Weighing  
and Automatic Weighing  
Machinery."

The Mechanical Engineering Society will meet this afternoon to hear a talk on "Automatic Weighing and Automatic Weighing Machinery" at 4.05 in 11 B. The speaker will be Mr. G. K. Hough, manager of the Boston branch of the Richardson Steel Company. He will have with him a working model of an automatic weighing machine which he will demonstrate in its essential features.

The Richardson Steel Company has its main office and factories in Passaic, New Jersey, and branches in nearly all the large cities of the United States. Automatic weighing is an essential part of the steel manufacturing business, and the model which will be shown this afternoon probably represents the most improved form of the mechanism.

## SHOW CHORUS PICKED

First Regular Rehearsal Today  
—List of Those Chosen.

Promptly at four today will be held the first regular rehearsal of the Tech Show Chorus. The final selection was made yesterday afternoon, and all who were chosen, and whose names appear in the list below, are requested to report promptly. The orchestra will be out also, and will rehearse with the chorus for the first time. Mr. Sanger will be here again tomorrow, and will conduct an important cast rehearsal.

The chorus girls selected should go to Wolff, Fording and Co. before half past five today, to have their measurements taken for costumes,

(Continued on Page 3)

## CALENDAR

Wednesday, March 11, 1914.

Technology Monthly Out.  
1.00—Sophomore Class Meeting, Huntington Hall.  
4.00—Orchestra Rehearsal. Union Dining Room. Union.  
4.00—Cast and Chorus Rehearsal.  
6.00—Catholic Club, Union.

Thursday, March 12, 1914.

1.30—T. C. A. Dr. Rockwell. Union.  
4.30—Technique Art Editor Contest. Technique Office.

Friday, March 13, 1914.

1.00—Freshman Class Meeting, Huntington Hall.  
4.30—Naval Architecture Society. 32 C.  
5.00—Glee Club Rehearsal. B Union.  
8.00—Senior Smoker. Union.

# 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.

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## OFFICE HOURS

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Advertising Manager...1.30 to 2.00 P. M.  
Treasurer.....1.30 to 2.00 P. M.

WEDNESDAY, MARCH 11, 1914.

## IN CHARGE OF THIS ISSUE.

H. S. McQuaid, '17; R. B. Stringfield, '15.

We hope if the Institute Committee has sufficient time this afternoon it will consider the question left undecided at the last meeting of permitting activities to bring speakers to the Union. The fact that this question received serious consideration shows it to be of importance, and, therefore, the Institute Committee, as our highest governing body, owes the Institute a careful and equitable solution.

A conspicuous exception to the notable success of the Senior Portfolio Committee was encountered among the men of Course III. The Committee bases their assertion that these men are "theoretically dead" on their strong objection to having their work 'disturbed by trifles like pictures.' This theory is also supported by the naive query heard from one of them last Saturday: "What is all this about Yish-Ka-Bibble?" Verily, some of us go through life with blinders on!

The plan of the Freshman Class to hold a dance of their own on the night of the Junior Prom, from which they are excluded, appears to be a desirable innovation. Previous Proms have been badly overcrowded by numerous Freshmen coming in on sign-ups of upper-classmen; this will be avoided under the new plan. At the same time the benefit to the Freshmen will be pronounced. Instead of intruding at a dance of strangers, they will have an excellent opportunity to get acquainted with each other.

It is worthy of note that an affair like this would be impossible at practically every other college, on account of interclass feeling.

## COLLEGE NEWS

Open warfare has been declared between the Freshmen and Sophomores of the University of Utah, in the shape of a shaving contest. Last week the Freshmen issued an edict that there would be a head shaving bee in honor of the Sophs. The next day two Freshies appeared with no hair, and since then any lower classman, venturing to appear on the campus alone, has been in danger of being captured and treated to a "snow application."

Medical students at Michigan have been eating food containing sulphur in a test which the government is conducting to determine whether sulphur will produce albumen in the human body.

Doctor Sato, a Japanese agriculturist, is delivering a series of lectures on his profession at the University of North Carolina.

Minnesota students became so absorbed in the new dances that they were ignorant of the fact that firemen were working to subdue a blaze in the basement of the campus armory, which threatened the building with destruction. When the fire was discovered the orchestra leader was instructed to keep up the "rag" and over fifty persons continued dancing until the fire was extinguished. When it was out and they were told of the danger through which they had just passed, the customary fainting took place.

Three hundred eighty-eight men who escaped the mid-year guillotine had a total of sixteen hundred eighty-seven absences during the first semester. These figures include the three lower classes only.—The Case Tech, Case School of Applied Science.

William Peterson, LL. D., Vice-Chancellor of McGill University, is to be the principal speaker on the morning of the last day of the 150th Anniversary Celebration of Brown University on October fifteenth. The list includes the presidents of Haverford, Middlebury, Southern Baptist Theological Seminary and the Stevens Institute of Technology. The list also includes the Bishop of Rhode Island.

## COMMUNICATION

Editor's note: We have received the following answer to the communication printed in yesterday's issue of THE TECH.

To The Editor of THE TECH,

Dear Sir:

In reply to "A Student's" question I would say that the M. I. T. Forum is an organization open to Tech undergraduates and faculty and devoted to the discussion of social and economic questions. We are not particular about what our members think on these questions so long as they think at all. We feel that students and especially Tech students are likely to be so indifferent to social questions that they are unfitted to deal with the most fundamental part of their environment,—society,—and are therefore unworthy in the

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most fundamental sense of being called educated. I say this advisedly because the only practical definition of an education is: One who is fitted to deal intelligently with whatever situations in which he may be placed; according to this obviously no man can be called educated who fails even to notice society and its organization.

The M. I. T. Forum tries to present information about social questions to its members in such a way that their interest will be stimulated and that they will be in some measure proof against the flood of misinformation that pours from newspaper offices and lecture platforms.

To clear up some apparent misunderstanding, I would add that the officers of the club as well as its most enthusiastic members are Socialists. We are not propagandists, however, because we feel that once

men and women see the facts, propaganda will take care of itself.

Very sincerely yours,

JULIUS KUTTNER,  
Pres. M. I. T. Forum

President Judson of Chicago will sail from New York on the twenty-first of this month as secretary to the representatives of the Rockefeller foundation. His route will include Paris, Berlin, St. Petersburg, Moscow and China.

Dean Randall of Brown favors certificates rather than examinations as the proper method of judging a candidate's ability to enter the smaller colleges.

Six co-eds at Oberlin were taken for chorus girls by a Cleveland taxi driver. They landed at the stage door instead of the street entrance.

**SENIOR PORTFOLIOS GOING RAPIDLY**

**Great Rush for Sign-Up Slips— Limited Number of Books Being Printed.**

The sign-up slips for the 1914 Senior Portfolio have now been out for three days and the passionate longing that the Seniors have evinced to part with their money is surprising. One man who had been entrusted with a sign-up book Monday night came in to the Committee Tuesday morning with twenty dollars and with tears in his eyes begged for another book in order that he might satisfy the demands of his friends, who, fearing that the number of books to be published would not be sufficient, were pleading with him to sign them up at once. This is the attitude with almost the entire class. Of course there are a few of those who, to revive an expression which probably only the Seniors have heard, are "theoretically dead," but they are in the minority.

Only two hundred and twenty-five copies will be ordered by the Portfolio Committee, and so there is reason to doubt that the supply will be sufficient to meet with the demands of the class. More copies may be printed, but those who delay in signing up will probably have to wait until after graduation to get their books.

The Committee has made final arrangements for placing the contract and Friday the final negotiations will be carried out. One of the members was interviewed by THE TECH concerning the new book and although he would not give any information as to the appearance of the book, the enthusiastic line of hot air that he handed out would have caused spontaneous combustion of the paper had it been sent to the press room. It was hinted that the book would be greatly different from all other Portfolios, more beautiful to the eye, and surpassing in every way anything that has been attempted. Even such a hardened scribe as a reporter has to wax eloquent after hearing the copious praise that flows from the not at all modest lips of the publishers.

Seniors in Courses II, III, IV and VI have been late in making appointments for sittings and there are many in these courses who have not yet had their pictures taken. Course III is the worst offender in this respect as only two or three out of the whole course have made appointments. The Committee desires it known that their only reason for insisting that every Senior's picture be in the book is because those men who buy the book want it complete, and the classmate omitted may be a close friend whose picture they especially want.

The men are very slow in returning their proofs and so the work of publication is being held up. A limit has been put on the time for returning proofs and those delinquents who had received their proofs before the last notice in THE TECH have only a day or two left in which to return them. There is absolutely no reason whatever why proofs

should not be returned the very next day after receiving them.

This year the price of the book has been lowered one dollar and the quality has been raised 100 percent. As said before the demands to sign up at once are very great and so it behooves the man who wants a book to sign up with one of the following men: Crowell, Duffield, Morse, Stone, Waitt, Barratt, Calver, Dawson, Dorrance, Fox, Fiske, Guething, Hines, Hiller, Morrill, Peaslee, Salisbury, Treat, Todt, Wells, J. M. White and Wilson.

**SOPHOMORE MEETING**

There will be a meeting of the Sophomore Class this noon at one o'clock in Huntington Hall. The meeting is called for the purpose of adopting the new uniform class constitution.

**COSMOPOLITAN CLUB**

The tickets for the informal banquet of the Cosmopolitan Club to be held at the Hotel Westminster on Wednesday evening, March 25th, are now for sale by the banquet committee and at the Cage for \$1.50.

The tickets are to be sold only to members of the club. Any other students who wish to attend the banquet please communicate with J. Masferrer, '14.

Further details will appear in this paper in the near future.

**SHOW CHORUS PICKED**  
(Continued from Page 1)

and are requested to go as early as possible in order to get back in time for the rehearsal.

Those chosen are as follows:  
Chorus girls: Stimets, Coldwell, C. L. Smith, Ramsbottom, Cristal, Keith, Wallis and W. B. Ford.  
Men: Duff, Swift, Basset, Spencer, Lauer, Holt, Swan and Moulton.  
Pony ballet: Bidwell, W. L. Ford, Checa, Gillespie, Bell, Couch, Whitney and Hauser.

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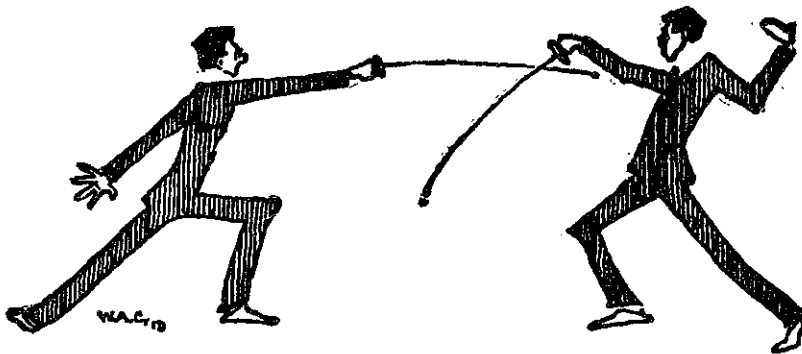
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Subscription cards can be obtained from the following men: S. H. Taylor, '14; J. E. Edelstein, '14; A. E. B. Hall, '15; E. A. Weaver, '15; Homer Rogers, '15; R. B. Stringfield, '15; L. E. Armstrong, '15; L. E. Best, '15; K. D. Kahn, '15; T. C. Jewett, '15; George Roper, Jr., '16; Wm. T. Knieszner, '16; A. A. Cook, '17; T. E. Stahl, '17; J. M. Debell, '17; J. R. Spalding, '17; A. E. Keating, '17; F. S. Conaty, '17; R. S. Stevens, '17; A. E. Tuttle, '17; H. S. MacQuaid, '17.

The permanent stations from which the Monthly will be distributed today are the corridors of Rogers and Lowell buildings, the Union, and the first floors of Walker, Pierce, Engineering A and Eng. B.

### ARCHITECTURAL SOCIETY (Continued from Page 1.)

work of the surveyor if necessary. In regard to his third point the speaker made the statement that a good specification writer is a rarity and he must be qualified not merely to copy clauses from printed examples but to understand the meaning of his statements. Cost estimating may be only gleaned from practice and is a variable quantity, to say the least; but the next phase, namely, mechanical engineering, Mr. Emerson said was an element of successful work, for without it consulting prices must be paid whenever it is desired to install a heating or plumbing system.

At his office Mr. Emerson has a library of over five hundred catalogues and other pamphlets simply for the purpose of general information. The seventh and eighth divisions closely overlapped. These were laboratory testing of materials and field inspection of the work while in progress. He cited cases where by simple means tests could be and were made to settle questions arising during construction,—questions which would cause loss of time and great inconvenience if they could not speedily be settled.

In conclusion Mr. Emerson made an earnest plea for a more considerate feeling toward the contractor. This matter, he said, in his own experience had not been difficult providing one considered that the practical workman is not merely an adjunct to the work but is entitled to some respect.

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### FRESHMEN VS. ANDOVER TRACK MEET TODAY

Dual Meet Postponed from Last Saturday To Be Held Today.

The meet between the Freshman Track Team and Andover, scheduled for last Saturday, will be run off this afternoon at 4 o'clock. The team will leave for Andover on the 2.14 train from the North Station. The prospects of winning the meet are somewhat brighter than Saturday as the team will be able to present its full strength with the exception of K. H. Day in the hurdles. This will be a serious loss, however, as Day was our best man in his event.

F. P. O'Hara, the old B. A. A. sprinter, is practically assured of first place in the dash and 300-yd. run. Capt. W. A. Sullivan, if in his true form, should win the high-jump, although he will have to jump in sneakers and may be handicapped by this as he is not accustomed to them. We are especially strong in the shot-put with E. W. Curtin and E. D. Sewell sure point-winners. Sewell, our most versatile man, should also place in the hurdles and pole-vault. J. J. Donnelly and M. C. Brock are both fast men in the 1000 as well as D. C. Thompson in the 600.

The makeup of the team will be the same as for Saturday: F. P. O'Hara, R. C. Erb, D. E. Bell in the dash; E. D. Sewell and D. E. Bell in the hurdles; J. J. Donnelly, M. C. Brock, A. C. Litchfield in the 1000; D. C. Thompson, L. Williams and H. Allen in the 600; F. P. O'Hara, R. C. Erb and L. Williams in the 300; E. W. Curtin, E. D. Sewell, G. R. Stevens in the shot-put; Capt. W. A. Sullivan, J. W. Doone, N. W. Gokey in the high-jump; E. D. Sewell, A. H. Knapp in the pole-vault. The relay team will be made up of L. Cady, F. P. O'Hara, D. C. Thompson and R. C. Erb.

### JUNIOR PICTURES

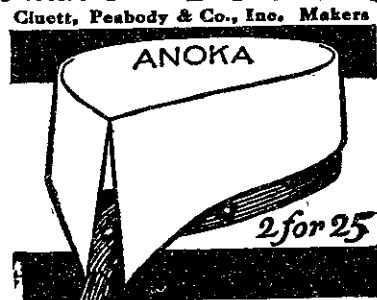
Those who want the Junior Class Picture which was taken on Rogers Steps are requested to give their names to a member of the Picture Committee before next Saturday. A deposit of fifty cents must be made when the order is given. The Committee members are G. T. Rooney, C. W. Fay and M. L. Foster.

### CLASSIFIED ADS.

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### TRIP TO ARSENAL

The Watertown arsenal will be visited by the Mechanical Engineering Society Saturday afternoon, March 14th. Those who wish to go must hand in their names before one o'clock on Thursday as it is desired to know the exact number taking the trip. The Seniors will give their names to H. W. Treat, the Juniors to F. G. Purinton, and the Sophomores to either Treat or Purinton.

### NAVAL ARCHITECTS

Professor H. A. Everett will address the Naval Architectural Society Friday afternoon, March 13, at 4.30 P. M. on the subject of "The Relation of the Naval Architect to his Client." This meeting will be held in room 32 Eng. C.