# THR TRCH

VOL. XXXI. NO. 118

BOSTON, MASS., FRIDAY, MARCH 8, 1912

PRICE TWO CENTS

#### CONCERT AND DANCE BY MUSICAL CLUBS

# Both Instrumental and Vocal.

The Tech Musical Clubs will give a concert tonight at the Unitarian Church in West Newton. Following the concert there is to be a dance.

The evening's entertainment is to consist of popular song hits, plantation songs and three vocal numbers.
The program is printed below:
1. Song of the Cannibals,

Pink Lady Waltz, Mandolin Club.

Sweet Corn,

Banjo Club.

Vocal Quartet,

Selected. Song of the Boatman on the Volga, Intermission. Mandolin Club.

6. A Winter's Song,

Bullard, '87.

7. Plantation Symphony,
Banjo Club.

Mandolin Solo,

J. A. Applequest. 9. Butterfly Waltz,

10. A Stein Song,

Mandolin Club.

Bullard, '87 11. Glee and Mandolin Clubs.

#### "CASTLES IN SPAIN."

#### Publicity Department Busy -Principals Rehearsing.

If the other participants in the Tech Show prove to be as good as the principals appear to be, "Castles In Spain" will no doubt be a decided success.

The Publicity Department is conducting extensive advertising Northampton, South Hadley and Amherst in anticipation of the performance to be given at the Academy of Music in Northampton, on April 27th. Announcements bearing the picture of Dolly Carter, the heroine of last year's show, "Frenzied French," will be sent to all the students in Smith, Mount Holyoke and Amherst Colleges. The poster designed by M. E. Hayman, 1912, is in the hands of the printers, and will be ready for distribution in about 10 days.

Work in the Stage Department is well under way, and all the principals are now learning their parts and rehearsing three times a week under the direction of Coach Sanger. Mr. Benevente, the musical director, is making orchestrations of the musical numbers as they are selected, and drilling them into the chorus.

General Manager Woehling is now in New York making final arrange-ments with various concerns with re-gard to the production.

# ANNOUNCEMENT.

A meeting of the 1914 Technique Electoral Committee will be held on Saturday at 2 P. M., in 27 Rogers. Non All members are requested to be

Lacrosse practice will start at Harvard next week. This year no pressured, and it is up to you to see liminary practice was held in the gym. that it is kept up.

#### ARCHITECTS TO HOLD SMOKER THIS EVENING

#### West Newton Program Will Be Mr. Hogue to Speak On Reenforced Concrete Before Course IV Men.

The Architectural Engineering Society is to hold a smoker in 42 Pierce this evening at 8 o'clock, and will have for a speaker Mr. Hogue, '98, who will talk on "Re-enforced Con-

At the present time concrete is a very important material of construction, and great quantities of it are being used in such large structures as the Panama Canal. For this reason the subject is one worthy of especial attention. Mr. Hogue was a member of the first class which graduated from the engineering cption of Course IV, and has been in the engi-neering business ever since. He is now connected with the New England Concrete Construction Company, and has in recent years been making a particular study of re-enforced con-

Tickets will be required for admittance to the smoker, and they may be obtained from the officers of the society. It is hoped that this affair will be as well attended as similar affairs have been in the past.

#### THE USES OF CARBON.

#### Manufacture and Use of Carbon Specialties Explained.

Mr. B. Dyer of the National Carbon Company gave an illustrated lecture on "Carbon" before about twenty-five interested chemists yesterday afternoon. Mr. Dyer first told how car-bon of the requisite purity was prepared for the processes of manufac-To make most carbon articles ture, the coke dust must be mixed with some tarry binder that in the later firing may be decomposed and allow the carbon which separates to hold the pieces together.

He explained the many machines used to make such specialties as are light carbons, dynamo brushes, telephone parts, especially the fine-grained hollow balls which go in the phone parts, transmitter and dry cells. The men present were shown many of these products by Mr. Dyer after he had finished the talk.

#### M. E. NOMINATIONS DUE.

The call has been given for nominations for efficers of the Mechanical Engineering Society. These nominations must be handed in not later than Thursday, the 14th, at 4 o'clock The officers for which the nomina-tions are to be made are: Chairman, Vice-Chairman, Secretary and Treasurer. Each of these officers must be a member of the class. In addition to these officers a governing committee is to be elected. This committee must consist of three mem-bers, one of which is to be a Sopho-

Nominations are to be handed in at the time stated above and must be signed by ten names.

All out for the Crew! It has

#### A BAD HABIT—"WHAT IS THERE IN IT FOR ME?'

#### Dr. Francis Spoke to Christian Association Gathering Yesterday Noon.

Dr. Francis' talk in the Union yesterday noon was entitled "The Curse and Blessing of Habit." A big crowd received, the talk with something of the enthusiasm in which it was de-

Dr. Francis started his talk with a story of an habitual skimper who got well deserved punishment when he unknowingly built his own house. As he had always done before, he did his best to cheat the owner, and then with his payment received a deed made out in his wife's name, giving

the house to her.

He then went on to a more general discussion of the difficulty of breaking habits of long standing, and the importance of making good ones now. For, as he said, we are now virtually building the house that we shall have to live in all of our life; that is our character. Whatever we choose now when we reach middle age nearly every word and action will, consciously or not, be the result of habit.

Dr. Francis said that he would take up only one habit, and that one would be one of the most evil of any that a man is subject to. The one he chose was the frame of mind described by the phrase, "What is there in it for me?" The whole emphasis of the rest of his talk was selfishness and its evils. The man always looking out for himself is a back number today and will be more so in the days to come.

### GOLF TEAM MEETS.

#### Large Representation Expected At First Meeting.

This noon, at 1 o'clock, there will be held an all-important meeting of the candidates and men interested in the proposed golf team. in Room 21, Rogers Building. This is the first gathering of the team and it is for the purpose of determining the number interested and to elect the several officers. A large representation is very necessary to give the idea of the formation of another sport, which, although not a major sport, is of great popularity, due consideration and attention.

Arrangements have been started for the obtaining of the use of the links at either Brae Burn or Allston; the men are to vote their approval of either, and if a good start is made one of the two will be secured.

The institution of a golf team has already received a favorable vote from several among the Faculty, and Major Briggs has also given his indorsement to the idea.

Sign up now for the Golf Tournament.

Got your ticket for "The Prom?" She's waiting for her invitation.

It's about time for the Tennis and Station. Baseball Teams to show some life.

If you are feeling any symptom see 1.30—C. If Spring Fever," you had better see 1.30—C. It Subway:

#### COURSE I MEN HEAR MR. FREDERICK H. FAY

#### Gives Essential Characteristics a Successful Engineer Should Have.

"Legal Phases of Engineering" was the subject of the talk by Mr. Frederick H. Fay, before the Civil Engineer-

He said, among other things, that in the early days engineering was purely of a military nature, with its sole purpose the destruction and guarding of fortifications. Then followed the civil engineer, whose business is the erection of works useful to mankind. The engineer of the 20th century must be more than this; he must be an administrator. In his future life he will not only be called upon to exercise purely technical knowledge, Lut must be a manager, able to direct men competently. Besides this the civil engineer must have a business nature, have practical common sense, courage, and power to cope successfully with emergencies.

The common idea of the student in an engineering school is that he must be a skilled mathematician, but this is not the case, for, although a complete knowledge of the principles of mathematics is necessary, and the engineer must be well grounded in-geometry, he need not be a mathema-tician,

The field of engineering is constantly widening, and a successful engineer must have, in addition to a strict technical training, some slight idea of business, law, the drawing up of con-tracts, and the forming of corpora-

In conclusion, he said, "since an engineer must be a constructor, an administrator, and act as an expert in legal cases, he must be able to handle men, know something of law, and be a business man, in addition, of course, to having a sound technical training."

### PROM POSTERS.

Considerable interest has been evinced by the students in the Prom Poster Competition, and there have been a large number already re-ceived. A decision on the merits is being delayed because there are several more yet to be submitted. It is expected, however, that a selection will be made within a week

It is lucky the Mechanicals found no eggs in the Cold Storage Plant, or we might be getting them in the Union.

### CALENDAR.

### In Charge of S. B Taylor, 1914.

Friday, March 8. 1.00—Meeting of Golf Men-21 Rogers.

1,20-News Board Meeting-Upper Office.

4.00-New Course on Electrolysis-23 Walker. 4.15-Mandolin Club Rehearsal-26

Rogers. 7.09-Musical Clubs-Trinity Place

8.00—Architectural Eng. Society

Meeting-42 Pierce.
Saturday, March 9. 1.30-C. E. Society-Eng. B. Trip

#### MEN P. M. 21 R. 1.00

# THE TECH

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# FRIDAY, MARCH 8, 1912

#### THE HONOR SYSTEM.

The recent acceptance of the Honor System at Yale University has come in for a large share of criticism, favorable and otherwise, in the various college dailies through-out the country. The system un-doubtedly has its advantages, but its feasibility depends to a great extent on the temperaments of the men, and on the class of work in which they are engaged.

Many of the city daily newspapers have spoken of it in the most ex-travagant terms, saying that it is an excellent thing for schools in general and urging its adoption in every college in the country. This seems to us to be an extreme view of the sub-

Here at the Institute, we question If the System would be a success if it were adopted. We do not mean by this that Technology men are not to be trusted, because it is our firm opinion that the men here are among the most honorable attending any college. But we are old-fashioned enough to believe that the present system of holding exams has worked so well, and for such a long pericd, that there is no necessity for any

Our examinations are conducted in a manner that is an abbreviated form on this idea. We certainly form on this idea. have Proctors, who walk around seeing that all goes well during the fatal hours, but their work is done in a way which leaves much for the students to supply, and this abbreviated form is all we seem to need at present.

We are not endeavoring in this editorial to give the general opinion on the subject, but are rather attempting to bring a matter before the student body which, sooner or later, will come up for adjustment; and when it does come up it will need much thought.

### INTERFRATERNITY BASEBALL.

Now that the baseball season is coming around again the subject of Interfraternity baseball has been reopened. At nearly every college the Fraternities run a tournament which gives the fellows many happy days and increases the general harmony among the Greeks. Our sports at Our sports at opportunity to tne upperciassmen also to come out and get some good

so gradually end up by becoming one Union has been vacant for some time. of the greatest sports at the school

We would be glad to receive any suggestions, for or against this scheme, for insertion in our columns.

#### PROF. DERR TALKS ON **COLOR PHOTOGRAPHY**

Shows the Main Methods and .. the Practical Uses of Each in Very Clear Manner.

Professor Louis Derr of the Physics Department, in an interesting lecture before the Society of Arts last night, in Huntington Hall, showed that the correct rendition of color with a photographic plate is attainable by the use of present materials, but the light and shade as reproduced by the plates is very poor.

He first described the Ives process, which requires the taking of three negatives under color screens of red, green and violet, and the combination of the three positives to one composite image, so that a lantern is needed. The next method, which was developed, used a screen ruled with three hundred lines to the inch, and having the spaces between the lines filled with alternate bands of red, green and violet dyes. The print when looked at through a similar screen in correct register gave a faithful representation of the criginal color. The principal difficulties arose in the manufacture of the screen and have prevented this method from being widely used.

The most recent process and by

far the most successful, is one in which light is filtered through minute globules of potato starch dyes with the same combination of colors. By the use of permangate of plash the reduced silver of the negative is dissolved out and the silver halide left is redeveloped to form a positive on the original plate.

All these methods are open to the objection that unless the illumination is very even the result is untrue to natme.

#### COMMUNICATION.

(We invite communications from all men in the Institute on important subjects. We take no responsibility for their sentiments and do not agree to print any that may come in, whether they are signed or not.)

To the Editor of THE TECH:

There has been more or less said in the past few days by various men about the Institute on the subject of the proposed "All-Technology ner." The comment that has ner." The comment that has been heard has every where been favorable, and many of the speakers have prophesied that it would be the one big event of the year.

Now we learn that on Wednesday the Institute Committee voted this idea down and substituted another entirely different one—that of having a big banquet in the Union with such Tech men present as wished to come and be good while listening to an ad-

dress by some big man.
Undoubtedly, acting for what it considered the best interests of the student body, the Institute Committee acted against what is seemingly the opinion of many of the prominent upperclassmen. There must be some reason that is not apparent on the surface for such an action, and the undergraduate body would be de-lighted to know what the reasons were for dampening the rising en-thusiasm that was behind this incve-ment. At the last meeting of the committee the case of the Aero Club versus Technique, 1912, was settled; at the next meeting let us hope that Technology are unfortunately contine case of the Institute Committee fined to very few branches, and these versus the Institute will come up and are mostly open to the two lower be settled to show that Tech men can classes. This scheme would give an do what they want to-that is have a dinner and not Very truly,

It might be extended to the different clubs around the Institute, and Committee? The row of books in the

The Sophomore Basketball Team is still out for more scalps to add to its long list.

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SATURDAY, MARCH 9, AT 8 P. M. FAUST

SUNDAY, MARCH 10, AT 8 P. M.

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#### THE FIRST CONSUL AS LAWGIVER FOR FRANCE

Dr. Rose Discusses Napoleon's Personality as Shown By His Laws.

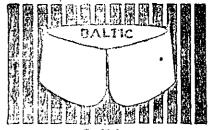
In his fourth Lowell Institute lecture yesterday afternoon, Dr. Rose spoke on Napoleon as Lawgiver. Dr. Rose showed first how the qualities of a commander are necessary for an administrator, and as Napoleon was the greatest general, so he was the greatest lawgiver. His idea was that to unify is the most important, function of government.

Bonaparte's first experience as an administrator was in North Italy, in 1796. Here he showed great skill in organizing the governments of the states which had been freed from Austria, and had wonderful success in conciliating hostile factions. In Egypt he was less successful, because his many-sided energies were not suited to the East.

For France, however, he was just the man needed to bring order out of chaos. He simplified the laws and then saw that they were enforced. As First Consul he first changed the system of local government from a clumsy democracy to a highly efficient autocracy. Next he attacked the impractical republican constitution and succeeded in warping it to suit his own ideas.

The greatest achievement of his administration was the concordat with the Vatican, which was pro-claimed in 1802. In this treaty he claimed in 1802. In this treaty he conciliated the Church, and at the same time secured control of it for himself. Another stroke of genius was the establishment of the Legion of Honor, which was soon followed by the creation of an imperial nobility.

Napoleon himself considered the "Code Napoleon" as his chief claim to fame, and it certainly was a great improvement over many which had preceded it, as it was a clear, prac-



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tical, and harmonious body of laws. For elementary education Napoleon did little, but for higher education much. He established the University

of France, but he made it more a political than an educational institution. Although Napoleon's institutions

showed that they were the creations of a master mind, they were defective in that they did not secure the rights of women, they were not easily adaptable to changing times, and they did not tend to develop individual initiative.

### FINANCE COM. MEETS.

### Seventy-five Percent of Junior Class Have Paid Dues.

Seventeen members of the Finance Commission, including representa-tives of every activity except the Institute Committee, Freshmen Class, Athletic Association, Orchestra, Portfolio, Union Committee, and Mining, Chemical and Electrical Societies, met in the Union last evening for dinner and the reading of the custom-ary financial statements.

The Mechanical Engineering ciety turned in a fine report, and also the Class of 1913, whose treasurer showed that two hundred and sixty members of the class have paid their dues up to date. Among the me-chanicals there are only eight men

The Commission voted to allow the Show and also THE TECH to continue with their present system of bookkeeping, as they keep other books than those furnished by the Commission. It was also the sentiment of the gathering that it might be well to put the paper back on the old triweekly basis.

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WILL the person who took a hat with the initials A. H. W. from the library in mistake for their own leave a note at the Cage or at THE TECH office for A. H. Waitt, '14. (118-tf)

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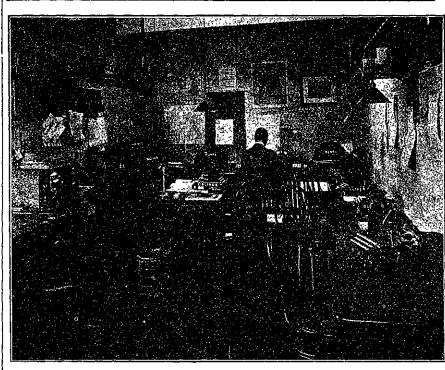
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