

THE TECH

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PRICE ONE CENT

STARTLING DISCOVERY BY PROM COMMITTEE

Twenty-Two Men Refuse To Honor Pledges; Many Dance Orders Stolen

At a "post-mortem" held by the Junior Prom Committee early this week some startling discoveries were made, which the committee deems advisable to publish under their signature in The Tech.

The statement follows:—

"The Junior Prom Committee held a post mortem Sunday morning, and after a long session came to the decision that an article should be published in The Tech regarding their financial standing.

"Twenty-two men signed up for the Prom, who did not pay up according to their agreement, and who did not attend the Prom. As the committee can only go ahead and make arrangements according to the number of men signed up, it can easily be seen that with twenty-two backing out of their signatures that the committee could not but help go into debt badly.

"These men should be spirited enough to pay up at once and in two weeks' time the committee has decided to publish in The Tech a list of men who refuse to stand back of their signatures and pay. This step will be taken not only for the benefit of this year's committee, but for that of future committees.

"Another regrettable incident at the Prom was the taking of sixty-five dance orders. The committee regrets to state that these orders were taken by Tech men, and not by hotel employees or outsiders. The men probably took them without thinking, but at the same time it can be readily seen that such a step has caused another deficit to the committee.

"These orders were mostly spoken for and were expected to bring in a revenue of very close to fifty dollars. It would be considered a great favor if the men who took these orders will leave them at the Cage and avoid any disagreeable features that may arise from this incident.

"The committee wishes to particularly emphasize that men who signed up for the Prom should pay at once, and that the Prom orders must be left at the Cage."

1911 Junior Prom Committee,

S. B. COPELAND.
R. H. GOULD.
S. P. KIMBALL.
P. D. WHITE.
G. B. WILKES.
H. D. WILLIAMS.

ENGINEERS' MEETING

The American Society of Mechanical Engineers, together with the Boston Society of Civil Engineers, and the Boston Section of the American Institute of Electrical Engineers, will conduct a meeting in the Auditorium of the Edison Elect. Ill. Co., 39 Boylston St., on April 27, at 8 P. M. Prof. C. M. Allen of the Worcester Polytechnic Institute, will present a paper on "The Testing of Water Wheels after Installation."

Mr. Desmond Fitzgerald, a member of the Mass. Institute of Technology Corporation, is to give an illustrated talk on "Scenes and Travels in Many Lands," at the Young Men's Christian Union, Wednesday April 27, at 8 P. M.

Students at Syracuse will provide 8,000 chrysanthemums and 3,000 roses for decorations at their senior ball.

TECHNOLOGY EIGHT SANG- TIONED BY M. I. T. A. A.

Association Will Not Assume Any Of The Debts Incurred By The Crew

Technology has recognized the varsity crew as a branch of athletics. The athletic association yesterday voted that "the Technology crew be recognized as a branch of Institute athletics by the M. I. T. A. A.; all expenses of said crew are to be borne by the crew; the captain and manager to be allowed attendance with speech at meetings of the association, but without the power of vote."

It seems that there has been some doubt as to whether the crew had the right to call themselves the "Technology" crew when they were not under the sanction of the association and the only way to obtain that right was by being admitted into the athletic association. The motion passed means that while the association sanctions the crew it will not assume any of their debts.

It was also decided that any man winning his match in a dual tennis meet be entitled to a LIT. The question of awarding medals to the cross-country men who scored in the I. C. A. A. A. run was decided by awarding the regular silver medals to the men who scored.

Manager Bennis of the basket-ball team brought up a bill for stationery which was not assumed by the A. A., but was left to go as part of the team expenses.

Manager Benson of the track team stated that he had received the annual bill of \$15 for dues of the N. E. I. A. A. It was moved that this bill be recommended to the advisory council to be paid.

SOPHS TO PLAY LOWELL

Today the Sophomore Baseball team goes to Lowell to meet the strong Lowell Textile nine. The men are to meet in the Union at 12.30 and they will take the one o'clock train from the North Station.

The Sophs seem to have acquired their stride as was shown by the great game at Winchester when, after their opponents had the score 6 to 0 in their favor, they turned the tables and won the game by the score of 7 to 6.

Lowell Textile has one of the strongest teams in the state and without doubt today's game is the hardest on the Sophomore schedule. Lowell has had no defeats in the games played so far this year and they are making every effort to keep a clean slate.

The following men are to report—Taylor, Coulson, Crocker, Thompson, Severance, Hamilton, Odell, Eastman and Sampson.

BASEBALL RESULTS.

American League.

Boston-Philadelphia, rain.
Washington, 9; New York, 7.
St. Louis-Detroit, wet grounds.
Cleveland-Chicago, rain.

National League.

Philadelphia, 5; Boston, 4.
New York, 9; Brooklyn, 8.
Cincinnati-St. Louis, cold.
Chicago-Pittsburg, rain.

College.

Dartmouth, 5; Broadway, 1.
University of Maine, 9; Norwich, 4.

LESSONS TO BE DRAWN FROM CONCRETE FAILURES

Mr. S. E. Thompson 1889 Gives Very Instructive Talk Before C. E. Society

With an attendance of over two hundred and fifty, the Civil Engineering Society held a very interesting meeting yesterday afternoon in 6 Lowell.

Mr. Sanford E. Thompson, a graduate of the Institute in the class of 1889 was the speaker of the afternoon, and gave a very instructive lecture on the subject, "Lessons to be drawn from Failures in Concrete." Mr. Thompson is a prominent consulting engineer, and very high authority upon concrete, and has been called upon to make numerous investigations upon large concrete structures which have failed. The "post-mortem" examinations are of great value in helping to avoid future mistakes, but they require great judgment and knowledge of the subject to be able to diagnose the cause of failure correctly, as there are likely to be so many complex factors.

Mr. Thompson began his lecture by showing pictures of some very large factories and warehouses which have not failed, but given great satisfaction. Slides were also shown, giving a general idea of the forms used for concrete work in buildings, and also the typical designs of concrete structures.

Following this, Mr. Thompson gave as an illustration of failure, a culvert in which the concrete failed to set up. The cause of failure was first attributed to the cement, but upon examination this proved to be of good quality. When the sand came to be analyzed minutely it was found to contain some loam. This, upon subsequent test, was shown to make the concrete about one-fifth as strong as normal. As numerous similar cases have occurred in practice, it is important to have all the sand used, tested for this impurity.

The next cause of failure mentioned is the improper method of placing the reinforcing, particularly in floors. Wherever there is a negative bending movement produced in a beam just over the support, the steel reinforcing rods should be placed along the top of the beam to take the tension produced. Very often, however, this is not done, both in the design and in the construction with the result that large cracks appear over each support.

Cracks are also formed in reinforced concrete by the use of tees or other very angular bars for reinforcing instead of other less angular rods, which latter are generally found to give greater satisfaction. One case of cracks resulting from the use of tees was in a large chimney. The method adopted for strengthening this was to put a concrete shell about six inches thick around the entire structure which kept it from disintegrating.

Another cause of failure to be taken account of is "flash set" cement which sets up very rapidly before it can be placed in the forms. This of course is very weak and crumbles to pieces when the form is removed.

Concrete put in during the winter, or concrete used for such purposes as cellars to buildings where it is damp and where the warm air has not free access, is liable to harden with extreme slowness, and therefore to fail if the forms are removed too soon. This is a common form of failure, and should not be falsely attributed to poor ingredients, as is sometimes done, until thorough investigation is made.

Cornell gives credit for recreation walks in place of regular gymnasium work.

VARSITY HANDICAP MEET AND RELAY RACE SATURDAY

Meet To Be Held At Field And Relay Team Starts For Philadelphia Tomorrow

Something new in the line of a track meet is promised at the Field next Saturday. The events will all be handicapped, and besides this, Coach Kanaly says the distances will be something original.

Three of the events lose competitors on account of the Relay Carnival at Philadelphia. W. C. Salisbury 1911 and R. H. Gould 1911 will not be seen in the quarter, P. D. White 1911 will be absent from the half, and L. O. Mills 1911 will not run in the mile. The handicaps have not yet been announced, but Coach Kanaly knows just what each man is capable of doing, and is sure to plan interesting races in every event.

When asked about the probability of a victory at Penn., Mr. Kanaly said, "We have a strong team, and as yet only Syracuse has been matched with Tech, so it looks like a match race between Syracuse and Tech."

WIRELESS SOCIETY

Symms 1911 And Ellis 1912 To Report Election Of Officers

A meeting of the Wireless Society will be held Friday afternoon in 11 Eng. B. At this time R. M. Symms 1911 will report on the government's attitude on wireless interference and what arguments can be made to avoid all possible conflict with commercial companies in this locality. James H. Ellis 1912 who represented the M. I. T. Wireless Society at Philadelphia, will give a full report on the formation of the Intercollegiate Wireless Association—a new movement started by the Wireless Club of the University of Pennsylvania. The elections of officers will also take place at this time.

The action of Yale withdrawing from the Association, composed of Pennsylvania, Cornell, Yale, Princeton and Columbia, was the result of a meeting at New York, in which Gooble, the heavyweight champion, and Sweeney, the lightweight champion were voted ineligible to wrestle in this year's Intercollegiate meet.

CALENDAR.

Wednesday, April 27.

12.30—1912 Baseball team meet in Union—Game with Lowell.
6.00 P. M.—Technology Christian Association dinner, annual meeting, and election of officers.

Thursday, April 28.

P. M.—Relay team leaves for Philadelphia.

Friday, April 29.

4.00 P. M.—1912 Technique Electoral Committee in Union.
Annual meeting of Architectural Society.

Saturday, April 30.

2.30 P. M.—Varsity Handicap, Tech Field.
2.30 P. M.—Penn. Relay Carnival, Phila.
6.30 P. M.—Tech Show dinner at Union.