

THE TECH

DAILY

VOL. XXIX. NO. 67.

BOSTON, MASS., THURSDAY, DECEMBER 16, 1909

PRICE ONE CENT

INSTITUTE COMMITTEE MAKES NEW RULINGS

Changes In Point Ratings-- Resolution Against 1913 Plans

A resolution disapproving the holding of the Freshman class dinner away from the Union, and a number of important changes in the point system was the principle work carried out at last night's meeting of the Institute committee.

Student organizations are slow in sending in point lists, but the work is progressing as rapidly as possible and all card lists are up-to-date.

The following is the stand taken by the Institute Committee on the 1913 dinner affair. Be it resolved:

That the Institute Committee disapproves strongly of the action taken by the Freshman class in giving up the Union as a place for holding their class dinners, in consideration of the fact that the Union was given to the students through the generosity of the friends and alumni of the institute as a place for such events; and that it is regarded as presumptuous in the extreme that a freshman class should set such a precedent. Signed:

The Institute Committee.

R. F. Goodwin, Jr. Pres.

Arch Eicher, Secy.

The most important changes in the point system concern Technique. The Editor and Business Manager are rated at ten and nine points respectively, as heretofore, while the following positions are now rated at eight:—Art Editor, Asst Art Editor, Asst. Business Managers, Treasurer, Grind, Society, Athletic and History Editors, Statisticians, and Professor's Editor.

The rating requested by the Technique Board was refused and the above established.

The Aero Club, not hitherto rated, is given the following standing: President 5 points, Sec'y-Treasurer 4, Engineering Committee 4, Librarian 3, Full Members 2.

In the Tech Show, the Advertising Manager is to be counted as nine points for the entire year. Candidates for the Show Board, five.

Officers of the Wireless Club are rated at 2 points, members of standing committees 1 point.

The rating of members of the Institute Committee will be 5 points hereafter.

A complete list of all the activities connected with the Institute and the rating of all officers under them will be published by The Tech in a few days.

The motion to give points to officers of the Technology battalion was laid over until a later date.

Among the other activities whose ratings have undergone some changes, are the Musical Clubs, M. I. T. A. A. Union Committees and Tennis team.

AM. M. E. SOCIETY

The Boston section of the American Society of Mechanical Engineers, will meet Friday, December 17, at 8 P. M. in the auditorium of the Edison Building, 30 Boylston St., Boston. Papers on the "Effect of Superheated Steam on Cast Iron and Steel" will be read by prominent men, and a general discussion will follow. All members of the society are invited to be present. Full details will be found on the M. E. Society's bulletin in Engineering A.

Governor Hughes has accepted the invitation of the University of Pennsylvania trustees, to be University Day orator on February 22.

NEW EMERSON PUMP IN M. E. LABORATORY

Ten Feet High--Capacity 700 Gallons Per Minute-- Lab. Crowded

Through the generosity of the manufacturers, the Institute has been presented with an Emerson Steam Pump of 700 gallons capacity per minute. This pump sucks water into a vacuum formed by condensing steam, and then discharges against a head by direct pressure of steam on the water surface. In appearance and in method of operation, it is somewhat like the pulsometers, "aqua-thrusters," and other pumps of the same type, which are so often used for draining water from sewer trenches. It differs from them in having its steam valve operated by what is virtually a small steam engine that can be set to run at any speed and so cause the pump to fill and empty any desired number of times per minute.

Direct-pressure steam pumps are particularly interesting in their operation. The Institute has had a 500 gallon and a 70 gallon pulsometer for several years and has given instruction in the principles which are involved to students in most of the engineering courses. These have been the subjects of two theses. The Emerson pump has been set up in the laboratories of Engineering Building "A" and is now ready for class work. It is of somewhat impressive size, standing over ten feet high. It fills what was one of the few available spaces in the laboratory and serves as a forceful reminder that the Institute is to continue growing in equipment and efficiency, it must have more room to expand.

MILITARY DRILL NOTES

Fredrick H. Busby 1912, has been appointed to the captaincy of A Company, to fill the place of Capt Bent, who was forced to resign on account of pressure of studies. Capt. Busby was 5th sergeant of B Company last year and has been prominent in Institute activities, especially athletics. He will take command of his company at once.

Ten minutes of the snappiest "right-off-the-reel" drill that a Tech freshman company ever experienced was what D Company received last Monday. Capt. Easton himself took command of the company and he gave the men a taste of what real wide-awake company drill is. Commands were rattled off at rapid-fire-gun rate, and what is more, they were executed in good lively style. The two or three minute "rest" which followed this exercise was duly appreciated.

At the close of yesterday's drill Major J. A. Herlihy called a meeting of the officers and non-coms for a short conference on the proposed Military Ball. The members present voted to give the chairman the authority to appoint a committee to take up the details of the matter.

Theoretical guard-mounting is now being taken up in the weekly lectures and at the first of the year the ceremony of guard mount will be tried in the drill exercises with band accompaniment.

DR. NOYES TALKS TO CHEMICAL SOCIETY

"The Use Of Indicators In Vol- umetric Analysis" His Subject

The Chemical Society, held a meeting last night in the Union. The speaker of the evening was Dr. A. A. Noyes.

Before the lecture a short business session was held, when it was decided to amend the constitution of the society so as to allow Sophomores to vote at the elections. It was also moved that the Secretary send notices to all members of Courses V, VIII, and XIV, in forming them that they were eligible either to full or associate membership.

Dr. Noyes, well known as the Director of the Research Laboratory of Physical Chemistry, spoke on "the Use of Indicator in Volumetric Analysis." The talk was extremely interesting and instructive to all following the lines of chemistry. He illustrated his lecture with experiments with different indicators and worked out the equations on blackboards.

Dr. Noyes started out by showing that the indicator theory was very helpful in analysis and that were it not for the hydrolysis of water, the theory would be a comparatively simple one. Although only one mol of water in five hundred million mols is ionized, this is enough to change some of the acids and bases used in solutions. Necessarily this work all deals with solutions, and the main point is the detection of the hydrogen ions in them. Dr. Noyes stated the properties of a good indicator, saying that the first necessary was a distinct color. He showed that only a small quantity of the indicator ought to be added so as not to change any of the substance in solution.

Six different indicators were used and were followed through their changes according to the concentration of the solutions in which they were placed. Solutions in which the concentration of the hydrogen ions ranged from ten-to-the-minus-third-power to ten-to-the-minus-eleventh-power were used.

PENN. STATE CLUB

Informality and "get-together" was the spirit at the meeting of the Pennsylvania State Club last night. While formal speeches and the usual routine were not on the program this time, the club intends to be an active one and plans for the ensuing season were talked over.

The club hopes to hold several dinners during the winter and a "smoker" is being planned, to be held a short time after the Christmas holidays. A good banquet is also to be held in the near future and at these two events, it is hoped to get some of the new men into the club.

Last year there were thirty-five members in this organization.

At the present time there are some fifty men from Pennsylvania in the Institute and all such men are eligible for membership in the Penn. State Club. It is the desire of the leaders that all these men enter into the affairs of the club.

The officers of this club are always elected in June for the following year. The present officers are, President R. W. Jacoby 1910; Vice-President R. D. Wells 1910; Sec'y-Treasurer, A. L. Stein 1910.

It was announced Monday that because of ill health, Dr. Adam H. Fetzeroff has resigned the presidency of Girard College.

DISAPPROVAL OF 1913 DINNER PLANS

Three Upper Classes Will Meet At 1.45 Today--Action To Be Taken

A monster mass meeting of the three upper classes has been called for 1:45 P. M. today in Huntington Hall. Feeling has been running high among the upper class-men over the action of the freshmen, in going away from the Union for their class dinner, and the matter will be pretty thoroughly discussed at this meeting.

Pres. R. F. Goodwin of the Senior class has called the meeting and he says that he hopes for an especially large attendance. The matter is one of great importance, he says, and it is now up to the majority of the Institute students to establish a precedent by either condemning the action of 1913 or approving it by allowing it to pass unnoticed. In this connection it may be stated that Pres. Maclaurin refused the invitation to attend the dinner on account of its being held away from the Union.

Pres. Goodwin's opinion on the matter is, that inasmuch as the Union was given to us for just this purpose, it is incumbent upon all loyal Technology students to give it their best support.

Resolutions disapproving the action of 1913, will probably be passed.

1913 MEETING TODAY

Leaders Resolved To Maintain Stand On Dinner Plans

This year's freshman class is breaking all the old traditions that were ever established about the Institute. Considerable discussion has been in progress during the past week on the question of the 1913 class dinner down town instead of in the Union. The idea has met with decided disapproval both by the upper classes and from different members on the Faculty. A large number of freshmen are not in sympathy with the idea and a mass meeting has been demanded and will be held in Huntington Hall this afternoon at one o'clock. It is understood that the freshmen are going to stand out against the opinion of all the upper classes and the Faculty and considerable discussion is expected at this meeting.

F. H. Newell, M. I. T. '84—Director of the United States Reclamation Service will give an illustrated lecture before the Appalachian Mountain Club, in Huntington Hall, December 15th, at 8 P. M., on "The Conservation of Water Resources in the West." This lecture is open to the public, and should be of much engineering interest.

H. W. Tyler

CALENDAR.

Thursday, December 16.

1:00, 1913 Class Meeting in Huntington Hall.

1:45, Mass Meeting of three upper classes in Huntington Hall.

4:30 Physical Society Meeting—20 W.

7:00 1913 Dinner—Crawford House.

7:30 Mining Eng. Society Meeting—Union.

Friday, December 17.

3:30 Melrose High vs. 1913—Basket-Ball—Melrose.

4:00 Basket-Ball Practice—Gym.

8:00 Winter Concert—Copley Hall.

Upper Class Mass Meeting, 1.45 Today, Hunt Hall