

SENIORS DISCUSS CLASS DAY

Provision Made for the Election of Class Day Officials

INSTITUTE COMMITTEE

Constitution Adopted—Class Gift to be Made to Union

Less than fifty members were present at the 1909 class meeting Monday noon in Huntington Hall. Various matters relating to class day were discussed, and the constitution of the Institute Committee, already adopted by the three lower classes, was ratified insofar as it does not conflict with the class constitution.

Arrangements were made for the election of the class day officials. President J. H. Critchett was authorized to appoint a committee of five to serve as election officers, and it was voted that the entire class be placed on the ballot. The twenty-five men receiving the highest number of votes will then constitute the class day committee. The three highest will act as marshals, and the highest of all as chief marshal.

The matter of a class gift was talked over informally. It was decided that the gift of whatever sort should be for the Union, and that the class day committee be authorized to choose it.

SOCIETY OF ARTS

Dr. Woodward Will Speak on The Carnegie Institution

Dr. Robert S. Woodward, President of the Carnegie Institution, of Washington, D. C., will describe the foundation of the institution by Andrew Carnegie, at the 660th meeting of the Society of Arts, to be held at 8 P. M., in Huntington Hall, on Thursday, March 25th. Dr. Woodward will also describe the organization and purposes of his institution, and the various lines of investigation which are being carried on under its direction. These include researches in widely varied fields of pure and applied science—in economics and sociology, history and archaeology, experimental evolution, marine biology, plant life, nutrition, geophysics, terrestrial magnetism, meridian astronomy, and solar physics. Among the problems which have attracted much popular attention may be mentioned the studies of Luther Burbank in producing new and valuable varieties of fruit, and the investigations of the desert laboratory in studying the forms of vegetation best adapted to arid regions. Dr. Woodward will doubtless throw much light on the great work along research lines that the Carnegie Institution is doing, about which the general public knows comparatively little.

C. E. SOCIETY

Metcalf to Speak on Contract Versus Day Labor

At the meeting of the Civil Engineering Society at 4.15 this afternoon in 11 Eng. B., Mr. Leonard Metcalf, of the firm of Metcalf and Eddy, consulting engineers, Boston, will speak on "The relative of economy of contract work as compared with day labor work in the light of investigations made for the Boston Finance Commission." Mr. Metcalf is an Institute alumnus, graduating in 1892, and the large part which he played in the recent investigation of Boston's municipal affairs, together with the wide experience which he has had as a sanitary and consulting engineer, should make his talk of the greatest value and interest.

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COURSE I AND XI THESES ASSIGNED

Valuable Data Collected in Reinforced Concrete Experiments

COMPREHENSIVE WORK

Bridge, Water Power, Building and Sanitary Investigations of Great Value

The range of subjects of theses for Courses I and XI is very large. It is especially interesting to note the large number of men who have chosen reinforced concrete as a subject for investigation. The great increase in the use and application of cement and concrete construction in the last few years has been exceedingly rapid, and makes this class of data very valuable. Nearly every branch of constructional work, where concrete and cement can be used, is being investigated, i. e., failures in concrete beams, bridge and building construction, foundations and piles, reservoir and dam construction.

A number of theses are already completed, and the majority are well under way; all data having been collected. The complete list of the theses follows:

Ballard and Elton—Study of Failures in Reinforced Concrete. Batchelder and Dwight—Design for Sewage System for Reading Mass. Bowman and Brooks—Experiments upon Flow Through Short Pipes and Elbows. Campbell and Lovell—Investigation of Water Supply for City Fire Protection. Clapper and Crawford—Design of Plate Girder Draw Bridges. Clark—Tests on Bend of Steel in Concrete. Clifford—Design of a Reinforced Building. Congdon—Reinforced Concrete Design. Desmond—Study of Adaptability and Methods of Driving Concrete Piles. Dort and Faulkner—Experimental Determination of Co-efficient of Short Tube Floats. Freed and Fuller—Study in Failures of Foundations. Gaynor—Glusione River Dam. Gilkison and Millard—Test of Reinforced Concrete Beams. Green and Matte—Elimination of Grade Crossings at Stony Brook Mass. Grunsky—Design of Masonry Dams and Arches. Nicholson—Design of Highway Bridge. Howland—Design of Bridge. Kelley—Design of Reinforced Cement Reservoir. Lawrence—Roller Lift Bridge at North Station. Lazenley—Design of Reinforced Concrete Arch. Lenox—Study of Practicability of Enlarging Water Supply of Lynn with Water from Ipswich River. McCain and Nisbet—Rating of Hydraulic Meters of M. I. T. McCarthy—Development of Water Power at Fitchburg. Merrill—Estimate of Cost to Extend and Improve B. R. B. and L. R. R. Parker and Pepper—Study of Development of Water Power at Westfield River. Radford and York—Experimental Determination of Co-efficient of Friction in Opening of Sluice Gates of Charles River Dam. Rew and Bender—Study of Water Power in Mains. Rice—Design of Draw Bridge Over Neponset River at Neponset. Serra—Design of Reinforced Concrete Buildings. Shaw—Concrete Locks. Towne—Water Power at Bare Falls Mass. White—Some Mechanical Methods of Improving Liquefaction in Septic Tanks. Williams—Reinforced Concrete Design. Finch—Test of Humphry Turbine. Gilbert—Use of Recording Thermometers and Hygrometers in Tests and Control of Ventilation. Harrier—Organic Growth in Charles River Basin. Mitchell—Auxiliary Water Supply for Hartford, Conn. Morrill—Design and Construction of Experimental Sewage Filtration Systems. Turner—Tests of Steel Angles.

Mr. John Spurrel, who has been an assistant in the mining department for the past eight years, leaves tomorrow for Placerville, Calif.

FENCERS WILL GO TO NEW YORK

Institute Team Will Enter Preliminaries There Next Friday

WILL LEAVE THURSDAY

West Point, Pennsylvania, Cornell, Yale also Entered—Finals Come Saturday

Tomorrow the fencing team leaves Back Bay at 6.04 P. M. for New York, to participate in the intercollegiate meet to be held there Friday and Saturday.

Six teams are eligible to fence for the championship: West Point, Annapolis, Cornell, Yale, Pennsylvania, and Tech.

Technology will be represented in the Intercollegiate fencing championships at New York by Grubman 1909, capt., Loring 1909, Knox 1910, Manager Chapin 1910, and Coach Fournon.



E. M. Loring 1909

The preliminaries, in which two teams are eliminated, take place on Friday, in the "Turn Verein," and are carried on in a somewhat curious way. The members of each team are numbered 1, 2 or 3; No. 1 faces all the other number ones, No. 2 the twos, etc. Those two teams having the least number of points in their favor are dropped.

In the finals, which are fought on Saturday at the 84th St. Armory, the four remaining teams fence what is called a "Round Robin," that is, each member of each team fences all the others.

Tech's chances of winning seem very favorable. Two of the other five teams, Yale and Penn., have been beaten. Penn. has beaten the Army, and has defeated Cornell once. Cornell, on the other hand, has beaten Penn. once, so it would seem that these two teams were evenly matched.

The Cornell fencers are noted for their strong attack. The Army and Navy are perhaps the most carefully trained of all the teams, and although they may not show up well at first, always have a faculty of finishing strong. During the last few years the intercollegiate championship has fallen to one of these latter two.

The Technology Club held a smoke talk at the Club rooms last night. Mr. A. A. Merrill gave an illustrated talk on the theory and practice of flying.

HOCKEY SEASON VERY SUCCESSFUL

Team Loses but Three Games, Outscoring Opponents

TO ELECT CAPTAIN

Team to Meet Saturday for This—Billings Manager for Next Season

Prospects for a champion hockey team for next year are extremely bright, as all of the men but two who made this year's successful team will be back at the Institute. The schedule has not yet been arranged, as it is necessary to wait until the schedule of the Intercollegiate Hockey League has been announced before games can be arranged with members of that league. However, with the fine record of the team the last two seasons, Manager H. D. Billings 1910, should have no trouble in arranging a good schedule for next season.

The season that just closed was one of the most successful in the history of the Institute, the team having gone through the season with a record of four games won, one tie game, and three games lost. The record for the season follows: Technology 2-Dartmouth 1; Technology 0-Harvard 1; Technology 1-Crescent A. C. 2; Technology 3-Andover 0; Technology 3-Brown 0; Technology 1-Williams 3; Technology 1-M. A. C. 0; Technology 1-Amherst 1. Total, Technology 12—Opponents 8. The game with Harvard, this year's winner in the Intercollegiate Hockey League, was lost on a fluke, and the score should have been 0-0, if it represented the merits of the two teams. Dartmouth, however, who had a very fast team, which finished second in the I. H. L., was defeated. On this showing, our team is certainly entitled to a high ranking in intercollegiate hockey.

The men that composed the team this year were: W. J. Kelley 1909; J. F. Davis 1909; H. W. Paine 1909; W. J. O'Hearn 1910; H. D. Billings 1910; A. A. Gould 1910; P. W. Taylor 1910; R. H. Gould 1911; D. C. Bakewell 1911, and V. G. Sloan 1912. All of these men, with the exception of Davis, will be back next year, and, with a veteran line-up, the team should be able to give a good account of itself.

The captain for next season has not yet been chosen, but the election will be held at a meeting of the team in the Union at one o'clock Saturday, March 27th. W. J. O'Hearn and A. A. Gould are the next prominent candidates, and one of them is quite certain to be next year's captain.

Ballots were mailed last night to the 191 men entitled to vote for the 1911 Technique electoral committee. The polls will close next Monday at 4 P. M.

A vacancy exists in the 1911 representation on the Athletic Association and will be filled immediately by election. All nominations must be signed by ten men and handed in before Saturday.

CALENDAR

WEDNESDAY, MARCH 24.

4.00 P. M. Show Rehearsal.
4.15 P. M. Civil Engineering Meeting.
5.15 P. M. Dining Room Committee Meeting, Room A.
8.00 P. M. Chemical Engineering Society at the Union.

THURSDAY, MARCH 25.

1.00 P. M. T. P. A. Meeting in Room A.
3.00 P. M. Cross-country men re, out at Field.
8.00 P. M. Society of Arts, Huntington Hall.