

The Tech

VOL. XXV. No. 80.

BOSTON, MASS., FRIDAY, MAY 4, 1906

PRICE THREE CENTS.

INTERSCHOLASTIC DRILL.

Stoneham High School Wins Cup at Annual Competitive Drill Wednesday.

The Annual Interscholastic Competitive Drill held in South Armory Wednesday afternoon proved to be one of the most successful ever held at the Institute. Ten high schools had entered teams of three men each, and as each team brought a delegation of staunch supporters the benches were nearly filled by enthusiastic onlookers.

The exercises commenced at two o'clock with a company drill by the M. I. T. C. C., Captains Dolke, Heath, Lufkin and Perry commanding. The battalion was then drawn up in Battalion Formation by Adjutant Hodsdon and Company D acted as escort to the colors. Battalion Drill, under command of Major Carter, followed until three o'clock. All the companies had nearly a full attendance, and the Freshmen drilled unusually well.

In the interval before the appearance of the competitive squad, and during the succeeding intermissions, the Freshman Band rendered a program that surprised and pleased everyone by its variety and vigor of execution.

At about three o'clock the competitive squad, consisting of thirty men, appeared on the floor under command of Lieutenant Hodsdon. They were drawn up in a single rank and drilled upon the manual of arms, marchings and facings. The judges, C. C. Batchelor, Sergeant Co. M, 1st Corps M. V. M., H. S. Wonson, '07, former Captain M. I. T. C. C. and B. Nichols, '07, former Lieutenant M. I. T. C. C. picked fifteen men for further trial. This squad was again put through the drill by Lieutenant Shillaber and eight men were selected by the judges for final decision. The final squad was commanded by Lieutenant Jackson.

The Competitive Drill was followed by Dress Parade by the Freshman Battalion. Major Wheeler then announced the decisions of the judges and presented the prizes amidst great enthusiasm. The cup for the greatest number of points was awarded to Stoneham High School. All three members of the Stoneham Team were among the eight point winners, giving a total of twelve points. M. Pratt of Lowell High School won the individual gold medal for first place, and the silver medal for second place was awarded to W. R. Sleeper of Stoneham High School. The points were as follows:

Stoneham	12
Lowell	8
Medford	6
Hyde Park	5
Gloucester	3
Wakefield	2
Concord, N. H.	0
Brockton	0
New Bedford	0
Methuen	0

MECHANICAL ENG. SOCIETY.

Election of Officers and Interesting Talks by Professors Miller and Lanza.

The annual business meeting of the Mechanical Engineering Society was held last Tuesday night at the Union. There were about forty men present to listen to talks by Prof. Lanza and Prof. Miller. The first business at the meeting was the report of the secretary and treasurer, and then followed the election of officers for the ensuing year. A. G. Labbe was elected president; W. G. Hanford, vice-president; W. W. Bigelow, secretary; and A. B. Arnold, treasurer. E. D. Boles, C. Brewster and Allen Pope were elected to the executive committee.

Prof. Miller spoke first on the relative heats of gas and of hot-air engines. The subject matter of his address was given before the American Society of Mechanical Engineers nine years ago, but a number of errors were made and so the paper was somewhat discredited; but with the mistakes corrected it was of considerable value. Prof. Miller presented a number of charts showing plots of the relative heats of the various sorts of engines.

Prof. Lanza spoke on national and local engineering societies with regard to their advantages and disadvantages. He did not recommend joining a great number of societies, but he did advise men joining one or two carefully selected ones. Much may be gained by keeping in touch with the literature of the mechanical engineering societies. It is also advantageous to subscribe to a few of the leading engineering magazines. Besides the literature, coming in contact with men at the meetings of the society makes one acquainted with other men in his own profession, and in that way he keeps in touch with the engineering world. Prof. Lanza then described the American Society of Mechanical Engineers, its rules and regulations and the process of joining. He also told about the American Society of Civil Engineers and read selections from the catalogues and proceedings of the meetings. He described the various local societies which are to be found in a great number of the larger cities of the country, and told of the requirements for membership and the advantages over the larger societies. Prof. Lanza showed a large number of catalogues in which the men were much interested.

ELECTRICAL ENGINEERS MEET.

The Boston Branch of the American Institute of Electrical Engineers met in 6 Lowell Wednesday evening. Abstracts were read from the following papers: "Standardizing Rubber Covered Wires and Cables," by Mr. John Langan, and "Comments on Present Practice in Underground Cable Work," by Mr. Wallace Clark. The abstracts were followed by discussions.

E. E. SOCIETY EXCURSION.

Interesting Visit to L Street Plant Thursday.—Description of Equipment.

Twenty-five members of the Electrical Engineering Society visited the L Street Plant of the Boston Edison Company yesterday afternoon. Both the new station built in 1904 and the old one built in 1898 were inspected. The former as a type of modern lighting power house was of great interest. In this building two 5000 K. W. turbo-generators are installed. Provisions are made for the immediate installation of a third one. The boiler room and coal storage depositories were also seen by the visitors. The modern distance-control switch-board room was easily the most interesting of all the departments visited. The entire output of the combined stations, averaging 13,000 kilowatts, is controlled from this board by one operator.

In the old station there are six 1500 K. W. 2300 volt A. C. generators. The exciting current for all the big generators is furnished by three motor-generator exciter sets. Storage batteries are provided for lighting and field excitation in case of breakdown. The battery room and oil switch compartments are both of modern construction.

The coaling facilities of the station are excellent, the supply being taken from ships right at the company's docks, and then distributed by means of coal conveyors.

The plant is essentially an alternating current power house. The current is sent out to different stations in Boston and there changed into direct current for the Edison three-wire system by means of motor generators. The arc light service for the city proper is taken care of at L Street, where polyphase induction motors running on 2300 volt mains drive the ordinary type of Brush arc-light dynamos.

This will probably be the last excursion of the Society for the school year. However, an interesting smoke talk to the members is now being arranged.

WALKER CLUB TO MEET.

The next meeting of the Walker Club will be at the Technology Club on Friday evening, May 11. After an address by Professor Bates there will be the election of officers for the ensuing year, and also the consideration of a number of new men proposed for membership.

TALK BEFORE COURSE VI MEN.

Mr. Downton, of the Westinghouse Electric and Manufacturing Co., addressed the Course VI Seniors yesterday afternoon in 6 Lowell on the Apprentice Course with the Westinghouse Company. Mr. Downton also told of the work of Tech graduates now with the Westinghouse Company and spoke personally to seniors of Course VI interested in considering a position with that company.

CALENDAR.

FRIDAY, MAY 4.

- 1.00 P.M. 1909 Class Meeting, Huntington Hall.
- 4.00 P.M. Consolation Games at the Tech Field.
- 5.00 P.M. *Technique '08* Electoral Committee Meeting, 26 Rogers.
- 6.30 P.M. Tech Show Dinner at the Union.

SATURDAY, MAY 5.

- 2.00 P.M. Target Practice. Train leaves North Station.
- 2.19. Hare and Hounds Run at Hyde Park. Leave Back Bay at 2.19.
- 3.30 P.M. Baseball '08 vs. Lowell Textile at Lowell.
- 3.30 P.M. Baseball '09 vs. Tufts '09 at Tufts.
- 6.30 P.M. Kommers at Tech Union.

MONDAY, MAY 7.

- 4.15 P.M. Tech Board Meeting in Trophy Room, Rogers.

FACULTY NOTICE.

Course VI Seniors.—Mr. Grosvenor T. Blood of the engineering department of the American Telephone and Telegraph Company, will address the Course VI Seniors today at 9 o'clock, in 6 Lowell, on Costs as Affecting Engineering.

NOTICES.

1909 Baseball.—The 1909 Baseball team will play Tufts '09 at Tufts Saturday afternoon at 3.30.

Freshman Class Meeting.—There will be an important meeting of the Freshman Class to-day in Huntington Hall, at 1 P.M.

Target Practice.—Target practice will be held as usual on Saturday afternoon of this week. The train leaves North Station at two o'clock.

Hare and Hounds.—There will be a Hare and Hounds Chase at Hyde Park tomorrow. The train leaves Back Bay Station at 2.19 P.M. Round trip fare 20 cents.

M. I. T. A. A.—There will be a meeting in Huntington Hall on Friday, May 11, at one o'clock. Next year's Track Team Manager and a delegate to the N. E. I. A. A. will be chosen.

Technique Electoral Committee.—There will be a very important meeting of the 1908 *Technique* Electoral Committee meeting to-day, in 26 Rogers, at five o'clock sharp. Every member of the Committee should be present. Some member of the 1907 Art Staff will speak, followed by the election of men to the 1908 staff.

SMOKE TALK FOR ARCHITECTS.

The Pen and Brush Club of Harvard has invited all the Architectural students at the Institute, higher than first year, to a Smoke Talk on Japan next Thursday evening, May 8. The talk will be given by Mr. Joseph Lindon Smith in the Assembly Room in Harvard Union.