

THE TECH

VOL. XXX. NO. 149

BOSTON MASS., MONDAY, MAY 8, 1911

PRICE TWO CENTS

COMPETITIVE PRIZE DRILL TO BE HELD MAY 19.

President Maclaurin to review Battalion at last drill of the Year

ADMISSION, 25 CENTS

Banner and dinner to be given to winning Company. Individual Drills

On Friday evening, May the nineteenth the Competitive drill of the Technology Battalion will be held in the Irvington street Armory. Each company will drill individually and a decision as to the best drilled company will be announced after the drill.

In addition to company drills, there will be a competitive individual drill. Four men will be selected from each company and they will be put through the manual of arms and the facings. Two prizes, a first and a second, will be awarded to the two men judged to be most efficient in the drill.

At the drill last Wednesday, the company commanders called for volunteers for the individual competitive drill. Many candidates from each company answered and different methods were taken by the officers to select the most efficient men.

President Maclaurin will review the Battalion on the evening of the drill, while the other members of the faculty and the many friends of the cadets who will be present, will lend the affair a very pleasant social aspect. The Band has steadily improved since its first appearance on parade last January, and it is certainly in a condition now to help make impressive ceremony.

ANNUAL BANQUET OF THE TECH FRIDAY EVENING

New American House to be Scene of the Jollification. New Board to be Announced

The Annual Banquet of the TECH will be held at the New American House on Friday evening, May twelfth. The speakers will be Professor Archer T. Robinson, of the English Department, P. A. Ballou, of the Mangus Printing Co., and it is expected that arrangements will be made to have Mr. Sullivan, the City Editor, of the Boston Globe present to give a short talk. As Mr. Sullivan has been in journalism for thirty odd years and his experiences have been many and varied, his talk will no doubt be very interesting. Everyone who intends to go must sign up in the upper office by Wednesday, as no one who has not signed up on that date will be admitted on Friday evening. The results of the Annual Elections of the Board for Volume Thirty-One will be announced during the dinner and for this reason it is important that every man connected with the paper sign up at once. "A word to the wise is sufficient." A list of the men eligible to attend the Banquet has been posted in the lower office.

The college has at present an annual income of \$100,000, which should be ample when it is considered that it has but \$150,000 worth of buildings to maintain, and that its enrollment is likely to be small, on account of the limited course and stringent entrance requirements.

FRESHMEN-SOPHOMORE TRACK COMBINATION

WIN EASY VICTORY FROM HARVARD

Track Events Prove To Be A Runaway For Tech.

Harvard Stronger In The Field

TECH—71 HARVARD—46

Perfect Weather And Close Finishes Make The Meet Full Of Life And Interest From The Start
Wilson '14 The Star Of Day.

POINT SUMMARY

Event	Tech	Har.
100 yd. dash	6	3
220 yd. dash	8	1
440 yd. dash	6	3
880 yd. run	8	1
One mile run	8	1
Two mile run	5	4
120 yd. high hurdles	1	8
220 yd. low hurdles	4	5
Broad jump	8	1
High jump	5	4
Pole vault	7	2
Shot put	1	8
Hammer throw	4	5
TOTALS	71	46

With the weather ideal, air warm, and little or no wind, the Freshman-Sophomore track team scored a decisive victory over the Harvard under-classmen, Saturday afternoon at the Field. The men of both teams appeared in the pink of condition and each event, track and field, was hotly contested and brought to a close finish. None of the times were fast enough to stand as records, but Wilson in the first heat of the hundred yard dash equaled the Technology record, which was made in 1903 by Franklin '03.

The meet began with the first heat of the hundred at twenty five minutes after two. The men broke even at the start, but at the thirty five yard line, Wilson pulled away a little and finished about a yard ahead of Haynes in ten and a fifth seconds. The second heat brought two Harvard men into the first two places in very slow time. The final was a close race between Wilson and Barron with Haynes at their heels. Wilson got lead enough to give him the race in 10 4-5 sec., much slower than the trial heat.

Interest in the mile centered in the scrap for second place between Tugman of Harvard and Sutherland of Technology, as Germain got away at the start with a big lead which he kept increasing. The two men in second ran along side by side with Sutherland a little in the lead most of the time through the first three laps, neither being able to break away. In the last lap, Tugman tried to start something but Sutherland was right there and kept his lead through the sprint for the tape and pulled into second with several yards over the Harvard man. Germain's time was very good considering that he was not pushed at all, as he covered the distance in 4 minutes. 46 2-5 seconds.

Freeman of Harvard took first place in the trial of the high hurdles with Fox an easy second in 17 3-5 seconds. The second heat was fought all the way from the start but the Harvard man broke the tape inches ahead of Chase of Technology in the same time as the other heat. The final heat went to Harvard both first and second places with Freeman breaking the tape in 17 seconds flat. Chase and Jackson fought it out again but Chase's best only gave him a third.

Thompson pushed Guething hard for the lead in the first half lap of the four forty but the rest of the race was a fight between Thompson and Barron of Harvard for second. In the sprint Barron passed Thompson who got a very close third. Guething's time of 52 seconds flat was good.

The half mile was never a safe race and Bylund could only get a little lead over the field but he held this and increased it as the finish came closer. Sampson took second after a long fight with Wright of Harvard. In the high jump, Hall of Technology showed fine form and won the event handily at five feet six. Harvard took second and third, with Chandler leading Button by an inch.

In the weights, it was all Harvard for she took the shot put with a distance of

thirty eight feet and the best that Tech could get was a third in the event. Storer getting the second place away from McLeod of Tech. Howard also took the hammer throw for the Crimson at 136 ft. a forty foot lead over Owen and McLeod who got second and third.

The two-twenty gave more laurels to Wilson who ran away from the field in 24 1-5 sec. Guething took second from Abbot of Harvard in a close finish. The low hurdles turned into one of the best races of the afternoon.

The two mile was an easy race for Shedd took the lead at the start and increased it until he had fifty yards on the two Harvard men who took second and third. He ran in fine form and finished in the best of condition.

Hadley took the broad jump with a distance of twenty feet and McLeod got the second place in the event for Technology. While Garvey of Harvard got the last one. Hurlburt and Rankin tossed for the first in the pole vault after clearing the bar for a tie at nine feet three inches. Rankin lost out on the toss and Smart of Harvard took third.

THE SUMMARY

100 yd. dash—Won by Wilson, Tech '14; 2nd, Barrow, Harvard '14; 3rd, Haynes, Tech '13. Time—10 4-5 sec.

220 yd. dash—Won by Wilson, Tech '14; 2nd, Guething, Tech '14; 3rd, Abbot Harvard '14. Time—24 1-5 sec.

440 yd. dash—Won by Guething, Tech '14; 2nd, Barron, Harvard '14; 3rd., Thompson, Tech '13. Time 52 sec.

Half mile—Won by Bylund, Tech '13; 2nd, Sampson, Tech '13; 3rd, Wright, Harvard '14. Time—2 min. 3 3-5 sec.

One mile—Won by Germain, Tech '13; 2nd, Sutherland, Tech '14; 3rd, Tugman, Harvard '14. Time—4 min. 46 2-5 sec.

Two mile—Won by Shedd, Tech '14; 2nd, Boyd, Harvard, '14; 3rd, Blackman, Harvard '14. Time—10 min. 17 3-5 sec.

120 yd. high hurdles—Won by Freeman Harvard '14; 2nd Jackson, Harvard '14; 3rd, Chase Tech '14. Time—17 sec.

220 yd. low hurdles—Won by Jackson, Munch, Tech '13; 3rd, Fox, Tech '14. Time—26 4-5 sec.

Broad jump—Won by Hadley, Tech '14; 2nd, McLeod, Tech '13; 3rd, Garvey, Harvard '14. Distance, 20 ft.

High jump—Won by Hall, Tech '14; 2nd, Chandler, Harvard '14; 3rd, Button, Harvard '14. Distance—5 ft. 6 in.

Hammer throw—Won by Howard, Harvard '14; 2nd, Owen, Tech '14; 3rd, McLeod, Tech '13. Distance—130 ft. 6 1-2 in.

Shot put—Won by Storer; Harvard '14; 2nd, Howard, Harvard '14; 3rd, McLeod, Tech '13. Distance—38 ft. 1 1-4 in.

Pole vault—Won by Hurlburt, Tech '14; 2nd, Rankin, Tech '13; 3rd., Smart, Harvard '14. Height—9 ft. 3 in.

Officials—Starter, K. D. Fernstrom, B. A. A.; Clerk, J. M. White, Tech '14; Timers, T. W. Kock, Harvard; S. Jordan, Tech; Judges, for Harvard W. P. Ryder and C. M. Burr, for Tech, G. P. Capen and W. H. Price Jr. Measurers, Brackett, Harvard and Block, Tech; Scorer, J. A. Henderson, Harvard.

Reed College will begin its career in September, 1912, at Portland, Oregon, starting out with some admirable ideals. No student will be admitted with conditions, nor will the possession or lack of a high school diploma be of weight. The president hopes to be able to have a personal interview with every student before he enters. Both sexes will find an equal welcome, and "no fraternities will be tolerated," nor intercollegiate athletics. The only degree offered is B. A.

CHEMICAL SOCIETY TO HOLD CLOSING BANQUET

Fitting Climax to a Successful Year Will Take Place on May 11.

ELECTION OF OFFICERS

Big time planned for —Brilliant list of Speakers

The annual banquet of the Chemical Society will be held at the Plaza Hotel, on Thursday evening, May 11, at 6.30 p. m. In addition to the notable list of speakers, considerable interest centers in the result of the election of officers which is to be announced at the same time.

The following men have been nominated For President: B. Torrey, Jr., L. M. White. Vice-President: H. H. Hanson, C. M. Woodcock.

Secretary: P. R. Lawrence, H. Mitchell. Treasurer: W. E. Caldwell, L. F. Hoyt. Member of Executive Committee: C. L. Gabriel, W. J. Murray.

For speakers the executive committee has been very fortunate in securing a splendid list. Dr. Talbot, Dr. Noyes, and Prof. Hayward need no words of introduction to men interested in chemistry, although some should be reminded that while the latter is now connected with the mechanical engineering department, he is a loyal graduate from Course X. Mr. A. D. Little, who is the head of the firm of A. D. Little & Co., Consulting Chemists, one of the largest of its kind in the country, was a former student at the Institute, and has always taken an active interest in affairs.

Mr. Little is at present one of the special lecturers connected with the department of chemistry. The committee is very sorry to announce that Mr. Albers, who was announced in the posters as one of the speakers, will not be able to come on that night.

It is hoped that every member of the Society and everyone interested in it will be present at this banquet, which with its fine list of speakers and added rest in the elections, should prove a fitting close to the Society's activity for the season.

On account of the fact that some notice of the number to be provided for must be given to the hotel management in advance no tickets can be sold after Tuesday, the ninth. Tickets are \$1.25 and may be secured from the following members of the society:

Seniors: P. R. Lawrence, L. M. White. Juniors: B. Torrey, Jr. Sophomores: T. E. Senior.

CALENDAR

Send all notices for calendar to E. W. Taft 1913 Institute Committee at the Cage.

Monday, May 8.

1.00 Tech Board Mtg.—Upper Office.
4.15 1913 Baseball Practice—Field.
5.00 Technique Elect. Com. Mtg.—27R.

Tuesday, May 9

1.30 Tech News Board Mtg.—Upper Office.
5.00 Technique Electoral Com. Mtg.—27R.

4.15 Union Com. Mtg.—Dean's Office.
4.15 1914 Baseball Practice—Field.

Wednesday, May 10

4.15 Technique Elect. Com. Mtg.—27R.
4.15 1913 Baseball Practice—Field.
6.30 Biolo. Soc. Dinner—Technology Club.

Arch. Social Dinner—Hotel Thorndike.

Thursday, May 11

5.00 Technique Elect. Com. Mtg.—27R.
E. E. Soc. Dinner—
Chem. Soc. Dinner—Hotel Plaza.

THE TECH

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COMMUNICATION

The following communication from the Northwestern Alumni Association to President Maclaurin will explain itself. Chicago, Ill., May 4, 1911

Richard C. Maclaurin,
President, M. I. T.
Boston, Mass.

The North-Western Association of Technology sends its greeting and congratulations to Technology, Captain Gere, Herreshoff and every member of the crew on the splendid sportsman-like efforts and conduct of the crew at Annapolis reported in *The Tech* just received. We are proud of our crew and want the boys to know it. The Alumni and athletic association we think should procure suitable shells without delay.

Frederick K. Copeland, Pres.

HARVARD CHESS TEAM DEFEATS TECH

Only Brilliant Playing of Bates Saves Tech Team from Whitewash

The Technology Chess Team was defeated at Harvard Saturday evening in the annual tournament by the score of 3 1-2 to 1-2. This defeat was not unexpected as Harvard has a very strong team, being a member of the intercollegiate league.

The most interesting game of the match was between Harris of Harvard and S. E. Bates of Tech in which the latter being two pieces and three pawns behind his opponent, and being within three moves of checkmate, by a brilliant sacrifice of his rook, obtained a stale mate, thereby tying the game.

The score (Harvard with white pieces on first third and fifth boards. Tech on second and fourth:—

HARVARD	TECH
Schoonmaker (1)	S. Schmidt 1911 (0).
Johnson (1)	M. Kahn 1912 (0).
Hadley (1)	A. H. E. Kaufman 1911(0).
Harris (1-2)	S. E. Bates 1911(-12).
Morton (1)	H. D. Mitchell 1912(0)
TOTAL:—Harvard 4 1-2, Tech 1-2.	

MEETING OF MEN WHO ARE TO DRAW FOR TECHNIQUE 1913

Art Editor North to Meet Students in 42 Pierce on May Tenth

At one-thirty on May tenth, R. H. North, Art Editor of Technique 1913 will meet all men who are desirous of doing art work for next year's Technique. Among the Sophomores there will be a competition for the place of Assistant Art Editors two of these offices to be filled. The competition will start immediately so that a decision will be reached before the end of the year.

Interested men from all other classes are invited to be present to receive instructions and injunctions for the competition for the art features for next year's Junior Book.



Well, you artists, Art Editor North, of Technique 1913 will give you a chance!

Courage, men, only a few weeks more and we'll be free—to suffer from exams.

How do they hit you?

The Chess Club game was certainly exciting. S. E. Bates was the hero.

Be sure to call for your Technique right away.

Notice the recent improvements in *The Tech*?

"The Tech" banquet promises to be a swell affair. Ho, Scribes, with mirth and laughter let old wrinkles come.

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TRANSMISSION PROBLEMS

Speaker, aided by Stereopticon
Explains difficult wiring problems

The object of Professor Pender's lecture before the Boston Section of the American Institute of Electrical Engineers was to illustrate by means of charts the use of graphical methods of the solution of the mechanical and electrical problems that arise in transmission work.

Five very good charts were shown and Professor Pender gave a very lucid and interesting account of the features in each. The first chart shown read directly the external load on a wire span assuming the thickness of sleet or ice, and also, the velocity of the wind, as known. It is adaptable to all commercial sizes of wire, with ice load one-half to three-quarters inches and wind pressure from zero to twelve pounds per square foot.

The second chart determined the tension or sag at which to string a wire so that with the maximum conditions of sleet, wind, and minimum temperature, the wire will not be stretched beyond the safe limit. In a small space was given a table of electrical constants for the transmission line, the resistance, reactance and susceptance for wires of all commercial sizes.

Another chart gave the efficiency and regulation of a transmission line of known length when transmitting a given amount of power.

Last was shown a table of hyperbolic functions in a form similar to the scales on a slide rule. The speaker showed that the use of hyperbolic functions was necessary in solving the problems of long transmission lines, ordinary lines not exceeding twenty-five miles with forty cycles, and in a ninety mile line with sixty cycles. No refinement was necessary. The calculations are made by a regulation chart that was very clearly described.

ARCHITECTURAL SOCIETY TO CAP YEAR WITH BANQUET

Present Season's Review Shows Much
Activity on Part of the
Society

The annual meeting of the Architectural Society was held in Pierce Building Thursday afternoon. Reports of the various committees showed that the past year has been an active one. The officers for the coming year were elected as follows:

- President, Albert Harkness 1912.
- Vice-President, G. I. Edgerton 1912.
- Secretary, Sidney L. Day 1912.
- Treasurer, P. J. Horgan 1913.
- Executive Committee, G. Swenson 1912
- T. R. Prouty 1912 and G. B. Brigham 1912

The society has received an invitation from the Harvard Pen and Brush Club to attend a pageant to be held in Harvard Union, May eleventh. This pageant is in honor of the coming to the Harvard Architectural Department of Professor E. J. A. Duquesne of Paris. The costumes will represent the period of Edward VI. About twenty members of the society expect to attend. Great preparations have been made for the evening as a large number of Harvard Alumni and Boston Architects will be present.

On May tenth, the society will hold its Annual Banquet at Hotel Thorndike. The chief speakers of the evening will be Mr. R. A. Cram, a prominent Boston Architect. The other guests will be Professors Duquesne and Warren of Harvard, Mr. Guy Lowell of Boston, Professors Chandler and Gardner and Mr. Cox of M. I. T. At this banquet, the officers for the coming year will be installed. It is hoped to make the evening as lively as can be desired with songs, cheers, and general good spirit.

FATIMA

TURKISH
BLEND
CIGARETTES

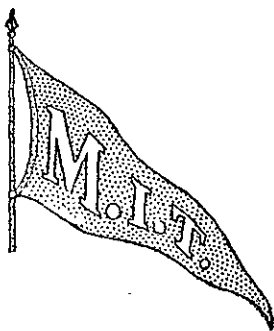
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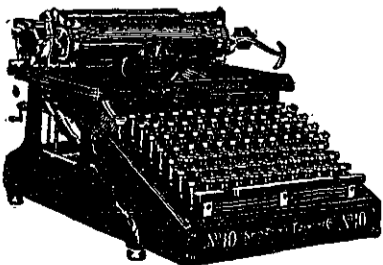
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Mudge, Jr., W. W. Warner, G. P. Capen,
A. Loeb, P. E. Rudolph, H. A. Johnson,
L. R. Block, and R. C. Brett.
(Signed.)
L. W. Chandler, Ath.Ed.

The University of Michigan may be
represented in track or field events this
year by one or more Chinamen. There
are 14 Chinese in the University. Also
there are 14 in the gymnasium taking
the preliminary gymnasium training to
emulate their American classmates in
college sports.

Week of May 8th.
Descriptive Geometry.
2 hour test
(Held at the last of the week.)
Mechanical Drawing.
Hand-rail Stud
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