

THE TECH

VOL. XXXIII. NO. 24

BOSTON, MASS., SATURDAY MAY 3, 1913

PRICE TWO CENTS

SPECIAL MEETING OF INSTITUTE COMMITTEE

By-Laws Governing Committee Ratified After Long Discussion.

A special meeting of the Institute Committee was called to order yesterday afternoon at 4.15 o'clock. This meeting was called to consider the by-laws governing the Institute Committee, and after a very thorough and lengthy discussion the by-laws were accepted and ratified.

It was then moved, seconded and passed, that copies of the Constitution of the M. I. T. Undergraduate Association be printed and sent out by the Institute Committee in the copies of "Concerning M. I. T." sent to the incoming Freshmen. Eddie Germain, Editor-in-Chief of "Concerning M. I. T.," presented to the Institute Committee all remaining copies of this booklet, which the committee will dispose of as it sees fit.

The meeting was adjourned at 5.30.

CREW PRACTICE.

Good Opportunities for New Men and Men Wanting Exercise.

Yesterday afternoon, at 4.15, the regular crew practice was held on the Basin. The first boat was made up as follows: Harbakowsky, coxswain; Wellington, bow; Bousquet, 2; Jewett, 3; Duff, 4; Affel, 5; Mumford, 6; McRae, 7; Berkowitz, stroke. The first shift was made up of: Forsyth, coxswain; Lamson, bow; Tyler, 2; McRae, 3; Duff, 4; Affel, 5; Mumford, 6; Sifton, 7; Bousquet, stroke.

Today's practice will be held at 2 P. M., regardless of the weather. Coach Stevens would like to see some new men out and intends to give everyone who comes out a chance, whether he has been out before or not. Even men who would like to take a turn at an oar for a little exercise are welcome. The Saturday practice generally averages about forty men, but there is plenty of chance for more, for there is one eight-oared shell, five four-oared shells, one single and one gig.

BIOLOGICAL MEETING.

The Biological Society listened to a lecture yesterday afternoon delivered by Mr. Andrew Kerr, on the subject of "Clam Culture." Mr. Kerr gave many interesting details of the work of raising clams, giving a short survey of the scope of the work and its importance to future generations. He described the clam minutely and brought forth many interesting facts concerning the life of this shell-fish which proved instructive to his audience. The talk was very well received and the members of the society left the meeting feeling that they had spent a very profitable hour.

FRESHMAN BASEBALL.

The Freshman baseball team will play the team representing Tuft's Dental School this afternoon, at the old American League grounds on Huntington avenue. All the members of the team are asked to appear at the grounds in uniform at 2.15 o'clock. Manager Wooley announced that many new men would probably be played by way of tryouts. If any men desire more definite information Manager Wooley may be found in the Union from 10 to 11 o'clock this morning.

CO-OPERATIVE SOCIETY PLANNED AT MEETING

Argumentation and Debate Class Discussed Organization Last Night.

An informal meeting was called in the Union last evening, at 7.30, to discuss the report of Professor Pearson's class in argument in regard to the formation of a new Co-op. Society. The discussion was outlined by four speakers: Hammond, Sampson, Combers and King, each presenting different ideas in the development of the plan.

As a basis for the new Co-op., Hammond stated that any plan to reduce student expenses was desirable. That such a reduction could be looked for in the formation of a new society he brought out by an account of the moneys handled by the present organization. One thousand dollars was turned over to the scholarship committee last year; of this amount two hundred and fifty dollars came from the sale of the Co-op. tickets, and seven hundred and fifty from the profits of the stores. He pointed out the fact that if this amount could be saved from two small shops, what would they be from a shop run on a large scale and supplying all the student needs? Mr. King said that there were four things to consider: There must be money to start the society with; there must be money to run it with; a larger list of affiliated tradesmen than the present society includes, and there must be an efficient management of the new society. A single tax of one dollar to be put on the term bill of every student was proposed as a means of raising funds to start the society next September. The Co-op. system in vogue at Harvard was also discussed; this system was shown to be undesirable as it involves a heavy bookkeeping expense.

Major Cole has volunteered to undertake the management of this society until it has been set upon a firm basis. Major Cole has had extensive experience in this line in the army.

The following recommendations were submitted by the committee:

1. Every student of the Massachusetts

(Continued to Page 2, Col. 2.)

CHAUNCEY HALL CLUB.

Annual Smoker to Be Held This Evening at the Union.

The Chauncey Hall Club will have its annual smoker tonight in the Union. The members of the club are looking forward to a very delightful evening, as this is the best opportunity they have to get around and have a good, sociable chat with the rest of their old schoolmates. Many of the Seniors of the Chauncey Hall School will also be present to participate in the good time, and get more of an idea what Technology undergraduate life is like.

The Smoker is scheduled for 8 P. M., and will be held in one of the smaller rooms on the second floor of the Union. Light refreshments will be served during the evening. Although in previous years it has been the custom of the club to send a general invitation to the Chauncey Hall School, the officers of the club have decided to invite only those Seniors whose standing is particularly good, and in this way encourage good scholarship.

INFORMAL HANDICAP MEET THIS AFTERNOON

Opportunity for All to Score—Admission Free—Events Start at 2.30.

This afternoon an informal handicap meet will be held at the Field. A large number of contestants is expected as this is just what is needed by the majority of the men. With the faster members of the team working under the disadvantages of a handicap it will be a good opportunity for the others to get a taste of a fight at the finish.

In the dashes Wilson, Loomis, and Adams will be near the scratch line, with Hine, Crankshaw and Homan in front. This race ought to be one of the fastest of the afternoon.

In the four-forty, Guething will undoubtedly be scratch man. This event drew a large crowd last Saturday, and with things evened up somewhat should prove a close and exciting race. Peaslee, Baker, Reed and Lawrence will all be in the fight for first honors.

Curtis and Huff will have to work to overcome the handicaps in the hurdles. Foster and Ober will run in the high, while Munch and Platt will be in the low. The scratch men will give an interesting exhibition, while the others will not be out of it by any means.

Germain and Bylund will have an interesting race in the half, though not necessarily for first place, as much may be expected of C. Guething. Dean and Pollard, who are in good condition and will have the advantage of the handicaps.

If Wall runs, which is doubtful, he and Benson will be the scratch men in the mile. Wilkins, Holway and Goldstein will run with handicaps, and from last Saturday's performances this should furnish a good race.

In the two-mile there will be a fast field. Cook, running from scratch will have a hard piece of work before him in overtaking Nye, Lee, Burton and Wall.

The field events will probably be close. The high jump was closely contested last week by McKinnon, Hall, Teeson and Garity. What the others may do with the handicaps makes the order of finish doubtful. In the weight events the meet will give opportunity for those who have not come to the front heretofore.

As no admission is to be charged a large and enthusiastic crowd is expected.

JUNIOR BASEBALL.

Game With Cambridge Latin High This Afternoon.

Today, at 3 o'clock, the 1914 baseball team will play Cambridge Latin School in Cambridge. The game promises to be an exciting one as the team is in fine condition. Tommy Cumber will pitch part of the game; he was tried out in practice, and it was found that he had a fine slow ball which, his teammates say, is hard to hit.

The men will leave the Union at 1 o'clock this afternoon. The lineup is: Cumber, p.; Gardner, ss.; Bryant, lb.; Terrill, c.; Hardy, lf.; Mitchell, 2b.; Stewart, 3b.; Morrison, cf.; Mackentepe, rf.; Gunn, m.

MECHANICALS HEAR INTERESTING TALK

Mr. Charles T. Main Speaks on the Pacific Mills at Lawrence.

At 4.10, yesterday afternoon, the Mechanical Engineering Society was addressed by Mr. Charles T. Main, a graduate of the Institute with the class of '76. The subject of Mr. Main's talk was: "The new Power Plant at the Pacific Mills, Lawrence, Mass.," and it was illustrated with a large number of slides, showing both plans and photographs of the mills and power station.

Mr. Main began his talk by reading a very complete account of the investigations carried on by the engineers before the plant was designed. The Pacific Mills, twelve years ago, were the largest textile mill's in the country, and at the rate at which they were growing it became evident that new plans would have to be made for a power system to compensate the increase of machinery necessary to take care of the growing business. In 1906 the management bought a portion of land situated 800 feet from the mills, and on this land it was planned to erect a central power station.

The plant to be erected was to con-

(Continued to Page 3, Col. 1.)

BAMBOO IN M. E. LAB.

A Small Forest Imported From China for Use in Thesis.

Many questions have been asked about the bamboo which arrived at the Mechanical Engineering Laboratory the day before yesterday afternoon. The bamboo was ordered on Christmas, 1912, by H. K. Chow, '13, from Shanghai, China, to be used for thesis work. They arrived too late for this, however and are to be used in the testing department of the M. E. Laboratory. The sticks will be tested for tension, compression, torsion, specific gravity, microscopic determination of grain, etc. A number of the sticks will be filled with concrete and their quality as posts tested.

The sticks, forty in number, weigh two thousand pounds; they average forty feet in length, and are from two to eight inches in diameter. The trees were from five to six years old when cut. The bamboo cost twelve dollars in China; the freight to San Francisco, one dollar per hundred, and from there to Boston, one dollar per hundred, the total cost being fifty-two dollars. Professor Hayward is in charge of the work.

WEATHER.

Forecast for Boston and vicinity: Saturday fair; light variable winds.

CALENDAR.

Saturday, May 3, 1913.

2.00—Crew Practice—B. A. A. Pothouse.
2.30—Handicap Track Meet—Field
3.00—Baseball—1914 vs. Cambridge Latin High—Leave Union at 1.30.
3.00—Baseball—1916 vs. Tuft's Dental.
3.00—Baseball—1915 vs. Tuft's Second Team.
8.00—Chauncey Hall Club Smoker—Union.

THE TECH

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SATURDAY, MAY 3, 1913

The meeting in the Union, last evening, to discuss ways and means of securing for the student body a more effective system of co-operative purchase of supplies than now exists in the Co-operative Society, represents a movement which deserves encouragement and the active support of everyone. The members of the course on Argumentation and Debate, and in more particular, Professor Pearson, are to be congratulated on the public spirit which prompted them to invite all who cared to come to hear a statement of their findings.

The tentative plan which was submitted, while open to serious objections in several respects, is to be commended in that it affords a tangible scheme on which to work. We gravely doubt the possibility of starting on as small a capital as was suggested, nor even that the estimate of operating expenses is to be accepted in its final analysis. But we do believe that the Institute Committee can profitably consider the figures on which these are based. Nor yet is the single tax the most hopeful means of raising money for the start, even if the Corporation should withdraw from its present antagonistic attitude. A tax is compulsory, not co-operative.

By all means let us have a co-operative store, but let us take the time and forethought to build on a sure and promising foundation. The present Co-operative Society is not broad enough in its scope; its benefits are limited for the most part to the men who receive money from its scholarship funds. We now need an organization as well which will lighten the financial burden to all men around the Institute. Doubtless if the present society takes the proper attitude it can readily serve as a nucleus for this extension without being hampered in carrying out its present activities. We are sorry to say that this spirit was not in evidence last night.

We do not hesitate to predict that the co-operative store, well planned and operated, will appeal to the student body; furthermore, we are confident that there is enough of the

PRIZE OFFERED BY MAJOR COLE AWARDED

Carr, '16, Receives Five Dollars Offered to Freshman on "The Tech."

The prize of five dollars, offered by Major Cole for the Freshman who has given the most material aid to THE TECH during the year, was awarded at the meeting of the Managing Board yesterday to Jasper Blanchard Carr, '16, Athletic Editor of the paper. Carr has been with the paper since the beginning of the school year, and during that time has risen rapidly from the position of "heeler" to the one he holds at the present time.

The prize was offered by the Major on December 7, 1912, with the express purpose of encouraging men to come out for the paper and to work when they did come out. It has done a great deal toward heartening the workers on the paper and has added a spirit of competition which has proved beneficial.

CO-OPERATIVE SOCIETY.

(Continued from Page . Col. 2.)

Massachusetts Institute of Technology shall be a member of this society. A single tax of one dollar will be put on the term bill of every student; this tax shall entitle him to all the privileges of the society.

2. All other affiliates of the Institute may become members of this society on payment of the one-dollar membership fee.

3. The officers of the society shall be a President, Vice-President, Secretary and Treasurer. These four men with five others to constitute a Board of Directors. Six of these nine men shall be elected at large from the two upper classes; the other three must

4. A Co-operative Store shall be established by the society at some central location within the present site of the Institute to afford facilities whereby students may obtain supplies at a slight advance above cost.

5. The funds for the establishment of this store shall be advanced by the Corporation with the incoming membership fees as securities.

6. Expenses of maintenance for the first year shall be met by selling goods at 15 per cent. advance above cost.

7. The Board of Directors shall select a manager for this store; said manager to be responsible for and to have control over all the routine management of the store.

8. The affiliated tradesmen list will be expanded on the present system.

9. The present Scholarship funds shall be maintained from the profits of this store.

Following the reading of these recommendations a heated discussion took place. Many suggestions were offered. Several men were in favor of waiting until the Institute moves to its new site before organizing a new society. King answered these by showing that if the society were started now it would have a firm financial basis when the new buildings are ready. Some discussion was started as to the running expenses of the new society, and the committee was of the opinion that from five to eight hundred dollars would be sufficient to

(Continued to Page 4.)

proper kind of talent around the Institute to plan it well and to operate it with success. Major Cole's willingness to undertake the arduous work of setting the new store on its feet is a characteristic manifestation of his broad interest in Institute affairs, and with the same sort of spirit showing among the students, we will have not only a prosperous store, but also a lesson in common endeavor and co-operation that is of promise for the future.

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NEW MILITARY CAMP SCHEME IN PROGRESS

Secretary of War Announces
Plan for Betterment of
Personnel.

In order to increase the present inadequate personnel of the trained military reserve of the United States by a class of men from whom, in time of a national emergency, a large proportion of the commissioned officers will probably be drawn, the Secretary of War has decided to hold two experiment military camps of instruction for students of educational institutions during the coming summer vacation period. Should such camps prove a success it is intended to hold them annually, one in each of the four sections of the country.

The plan, in brief, is as follows:
All students over 17 years of age and physically qualified volunteering for this instruction, and who are properly recommended by the officer detailed as military instructor at the institution, or the president of the same where no such officer is detailed, be allowed to participate in the camp of instruction under the following provision:

- (a) That their attendance at the camp will be for the entire period, unless compelled by actual necessity to leave before that time.
 - (b) That they will render themselves during this period subservient to the rules and regulations of military discipline, the commanding officer having authority to discontinue their attendance upon violation thereof.
 - (c) That the expenses of transportation to and from camp, cost of uniforms needed—2 pair of breeches.
- (Continued to Page 4.)

M. E. SOCIETY TALK.

(Continued from Page 1, Col. 4.)
rect with the portion of the old plant remaining in use, and as the company had bought the water rights to the river, it was essential that these should be taken advantage of. Among the old installations to be used were all engines in good condition, which were to remain until worn out. Now the conditions to be met with were somewhat different than are ordinarily met with, and as a consequence the design of the plant supplying the power was carried out with this end in view. The new station was to be designed as a central station, permanent water power being used in the old appliances, and the changes in the height of the water had to be looked out for. A large amount of the exhaust steam could be used in the m. l. s. together with a large quantity of warm water, and electric transmission would be better than any other.

After these points had been established the engineers set to work and collected data regarding the cost, efficiency and maintenance of machinery to be installed. All these facts were finally sifted through, and as a result the plans for the new power station were begun.

The buildings, consisting of space for coal pockets, boiler rooms and turbine rooms, are all built upon a solid foundation of concrete piles. In the lecture Mr. Main gave a number of views showing the method of driving this type of pile. After passing from the construction of the buildings themselves the speaker showed the entire power plant and also several views of the mills.

When Mr. Main had finished his talk he was given a vote of thanks by all the men present for the very interesting lecture which he had delivered. By way of conclusion to the meeting Chairman Treat announced that there would be a talk on next Monday, at 4.10, in 11 Engineering B. by Mr. Reynolds, on "The Problems Arising in the Design of a Cotton Mill," to which all men interested are invited.



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SOPHOMORES TO MEET TUFT'S SECOND TEAM
Will Play Second String Men at Medford Today at 3:30 O'Clock.

The Sophomore baseball team will meet Tuft's second team at the Tuft's athletic field this afternoon. This is the fifth game of the season for the Sophomores, who have won three out of four of their previous contests. Judging by the showing of the two teams thus far it looks as if the Sophs would be victorious in this afternoon's game. Tuft's second string men have met with defeat twice this season, and this, coupled with the fact that they were beaten by the 1915 nine last season, makes the prospects for victory for the Sophs exceedingly hopeful.

The lineup for this season is as follows: Morrison and Hall, c.; Parsons, Pike and Sears, p.; Bauer, 1st base; Place, 2nd; Caffrey, ss.; Franks, 3rd; Morse, lf.; Spencer and McIntyre, cf.; Thomas and Holway, rf. Manager Thomas wishes all men to be at the Union at 1.30 sharp, as an early start is desired.

CO-OPERATIVE SOCIETY.
 (Continued from Page 1, Col. 2.)

organize and start the society. The matter will be investigated by the Institute Committee and will soon be submitted to a vote of the student body.

NEW MILITARY PLAN.
 (Continued from Page 3, Col. 1.)

khaki, hat, leggins, O. D. shirt (about \$7.66 per man)—and subsistence (about \$1.75 per week) will be borne by the student, same to be deposited in advance.

(d) That the government will furnish without cost, same to be turned in upon completion of camp, the following: cots, blankets, mosquito bars

or nets, tentage, cooking outfits; also a complete infantry equipment for each man; both Q.M. and ordnance property; and the necessary transportation and such other articles as may be found necessary.

(e) That the government will provide the necessary personnel for instruction, organization and sanitation. These camps will be held during the coming summer, one at the Gettysburg National Park, Pennsylvania, from July 7 to August 29th, inclusive, and the other at the Presidio of Monterey, California, from July 7th to August 29th, inclusive. The instruction and military exercises will be confined, as far as practicable, to the mornings, and take up about an average of four hours per day. This will be real military work, not play, and will include a practical application of the proper precautions of health, care of the person, camping and marching, and instruction in military policy besides instruction in shooting by actual practice on a target range. The afternoons and evenings will, so far as practical, with due regard to proper supervision and military necessities, be at the students' disposal.

It is thought that the plan will meet with the approval of the college authorities, the students and the parents for the following reasons: It will give a healthy out-of-door life for the summer vacation at a less expense than usually required when away from home, and the student will acquire habits of obedience, command, self-control, order and personal hygiene. A certificate of attendance will be given to each student attending the entire camp.

Major Cole will be glad to explain the plan as far as possible to any Tech student. Those who desire to participate should consider the matter at once so as to be able to make an early decision.

No excitement since THE TECH-Technique ball game.

There are still a number of "F" and "L" cards at the Cage for bashful Freshmen.

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BY APPLYING at 16 Rogers Seniors may obtain any papers written by them and now in charge of the English Department.

FOUND—On Newbury street, Saturday, April 26, 1913, a fob chain with the Institute seal. Will owner please call for same at Assistant Treasurer's office. (20—4t)

LOST—By men in Tech Show, two raincoats, one at Boston Opera House. A traveling bag in the property room at Northampton, which property man claims to have given to Show man. (23—1t)

FOUND—One pair shell rim glasses. Anyone knowing anything about them please see A. E. B. Hall at 1 o'clock today in the Show office. (23—1t)

The Crew is practising regularly but is somewhat handicapped by irregular attendance.

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