

THE BOSTON TECHNOLOGICAL INSTITUTE

VOL. XXXIII. NO. 26 BOSTON, MASS., TUESDAY, MAY 6, 1913

MECHANICAL ENGINEERS HEAR TALK ON MILLS

Lecture on "The Modern Cotton Mill" by Mr. Reynolds Yesterday.

Yesterday afternoon the members of the Mechanical Engineering Society were given a great deal of practical information concerning modern cotton mills when Mr. F. W. Reynolds, who has charge of the engineering work of Longwood, Green & Co., mill engineers, of Boston, gave an illustrated lecture dealing with some of the problems faced by the engineer in charge of modern mill construction.

The cotton mills of today are an enormous step in advance of those in operation a few generations ago. In 1789, an old mill in Massachusetts was given the power to turn its looms by the crude method of horses traveling around a shafting in the basement. From there belts communicated to the three stories of the factory.

The up-to-date mill is usually situated so as to take advantage of water power, which is used to turn the wheels or to furnish power to generate electricity. In planning a factory the mill engineer would like to find a site which would exactly fit the needs of what he considers an ideal plant, but, as a rule, especially in cities where good land is not easily available, he is forced to plan the layout of the buildings to conform to the requirements of the site at hand.

Mr. Reynolds has found through experience in recent years that reinforced concrete is largely superceding the former method of brick mill construction. The superiority of concrete construction over brick lies in the fact that concrete can be made much more rigid, more window space can be provided, and the floors and ceilings are much cleaner on account of the absence of cracks, which exist if wood is used in these places.

It has been found that, to obtain the best results, the loom mill should be about three stories in height, while the weave sheds should have only one or two stories above the basement. Weave sheds built upon this plan can have overhead illumination. This adds greatly to the welfare of the operators and increases the standard of the production. In the weave sheds the concrete construction is again superior to that formerly used, because the absence of overhead

(Continued to Page 2, Col. 2.)

GREATER LYNN CLUB.

Meeting to Be Held Today to Choose Officers For Year.

The Greater Lynn Club will hold a meeting today at 1.30, in 22 Rogers. A vote will be taken again on Article V of the constitution, as there was a tie vote at the last meeting. This is the article relating to the amendment of the constitution and definite action in regard to this is expected at this time. After the constitution is adopted there will be an election of officers for the coming year. The offices to be filled are those of president, vice-president and secretary-treasurer. There are also two members of the Executive Committee to be elected. It is hoped that every graduate of the Lynn and Swampscott High Schools will be present to aid in selecting the officers.

TENNIS TEAM TO PLAY HARVARD AND TUFTS

More Entries For Spring Tournament Needed Before Series Can Begin.

Despite the excellent matches played last Fall, and the success of that tournament as a whole, the Spring tournament is receiving very poor support. So far only twelve entries for the singles and five entries for the doubles have been sent to President Beale of the Tennis Club. If enough men have entered by tonight the tournament will begin tomorrow. Unless the game begins immediately it is doubtful if the series can be finished before vacation begins.

Besides the tournament two meets have been arranged, one with Harvard and the other with Tufts. May 8th is the date of the Harvard meet, and on the seventeenth of the month the team will play Tufts. To the winners of both singles and doubles the official insignia LTT will be awarded.

M. A. H. S. BANQUET.

Members of Senior Class of School Invited.

The Mechanic Arts High School Club will hold its annual banquet on Wednesday, May 14, in the small room of the Union at 6.15 o'clock. The Senior class of the Mechanic Arts High School will be invited. Head Master Parmenter, Mr. Carpenter and Mr. Hanson, of the M. A. H. S. instructing staff, will be guests. All M. A. H. S. men in the institute are expected to be present. The tickets are 50 cents, and may be obtained from M. Paris, '14, C. L. Hall, '15, and G. W. Wyman, '16.

FRESHMAN BASEBALL.

The Freshman-Tufts Dental game was called off yesterday afternoon, since only five Tufts men showed up. This is the third time that a game with Tufts has to be called off because of the failure of Tufts men to come around. A good practice was held in place of the game.

BOWLING LEAGUE.

The standing in the Bowling League is as follows:

Teams	Won.	Lost.	Pinfall
Pall Malls	41	7	15,352
Lord Salisburys	33	15	15,498
Patimas	27	21	15,382
Luxurys	20	28	14,690
Moguls	16	28	13,426
Meccas	3	41	8,691

The individual averages are:

Mackenzie	91
Nason	90
Pung	90
Lovely	88
Vose	88
Bunbee	87
O. L. Hall	87
Mangan	85
Conger	85
Yeh	85
Burrison	85

The department of the Interior offers for free distribution a paper on "Coal mine accidents in the United States."

The various baseball teams about the Institute are working overtime.

MUSICAL CLUBS ARE TO BANQUET TONIGHT

Dinner and Elections of Officers Is the Program at the Copley Square.

The Musical Clubs of Technology are to hold their annual banquet and election of officers tonight at the Copley Square Hotel. The banquet is to be held in the Dutch room, and promises to be a very enjoyable affair for all who attend. This event will wind up the season for the Combined Musical Clubs. About sixty men are expected to be present to partake of the excellent dinner that has been provided for by the committee in charge. The dinner is to start at 6.15 o'clock.

After the banquet the business of the evening will come. This includes mainly the elections of officers for the coming year. Those to be elected are: General Manager, President, Vice-President, Secretary and Treasurer. There is also a member to be elected to represent the clubs on the Institute Committee. These elections are for the Combined Musical Clubs. After these are disposed of the leaders and managers of the separate clubs are to be chosen.

The concerts given by the clubs this year have all proved to be great successes. Six concerts have been given in all; one at Wellesley Hills, and others at Lynn, Everett and Chelsea, besides the Spring and Winter Concerts given here. The Spring and Winter Concerts both turned out very well and are fast tending to become annual affairs, second only to the Junior Prom. The clubs were well supported by the Institute men at both of these occasions, and the clubs did their share toward making things a success.

The Mandolin Club has an active membership this year of twenty-six, the Glee Club twenty-six, and the (Continued to Page 2, Col. 2.)

NEW STUDENT WORK.

Dean Will Meet Competent Men in Union Thursday Noon.

Thursday afternoon, at 1.30 o'clock, a meeting of all men desiring to help incoming Freshmen register, and to assume the position of advisor to the new men, will be held in one of the small rooms in the Union. The men desired are limited to the present Sophomores and Juniors. At this meeting Dean Purton will be present, and he will explain in detail his idea of appointing the men as official advisors to the Freshmen.

As in former years, the custom of having upperclassmen write letters to the incoming men, offering them their assistance and making arrangements to meet and help them register on registration day, will be carried out. This year, however, the Dean has made an innovation, in the fact that he will supplement the upperclassmen's work by a personal letter from himself. He also intends to appoint these men advisors to the new men, and it will be their duty to consult the Freshmen at various times during the year, and to be of assistance to them in any manner possible. Dean Purton's plan will be thoroughly explained and discussed in the Union next Thursday noon, when the Dean meets those men who consider themselves competent to hold the proposed position.

NAVALS TO HOLD MEETING THURSDAY

Final Plans For Annual Banquet and Shingles to Be Made—Chow to Speak.

On Thursday afternoon the Naval Architectural Society will hold an important meeting in 32 Eng. C, at 4 o'clock. At this meeting the business will concern most particularly the final plans for the annual banquet and the shingles which are to be made up for the members of the society. Walbridge was appointed at the last meeting to obtain the rates of the hotels around town at which it was thought the fellows would wish to have their banquet, and all the members are urged by the Executive Committee to be present if they desire to have a voice in the selection of a suitable place.

At the conclusion of the business matters at the last meeting H. K. Chow started to give a very interesting lecture on "Chinese Sailing Craft," but was unable to finish owing to lack of time. The talk is to be continued at the next meeting, Thursday, and will be one of great interest to all members attending.

HAMMER CAGE AT FIELD.

Installation Adds Greatly to Present Equipment.

The efficiency of the Technology field at Brookline has been augmented by the recent erection of a cage for the hammer throw. This grille cage is 7 feet high and made on a radius of 13 feet 6 inches, with one-third of the circumference left open in the direction in which the hammer is thrown. It is constructed of 1/2-inch wire, crimped to form a diamond mesh, measuring 2 1/2 inches horizontally by 5 inches vertically, the wires being set into a heavy channel iron frame and clinched over in the channel. The cage is made in sections 8 feet long, and is supported by 2 1/2-inch pipe posts, iron pipe size, properly finished at the top, and set 4 feet in the ground in concrete bases. The sections of grille are strongly bolted to the pipe posts, making the whole cage very strong and rigid.

At Columbia cuts are not considered so long as a man maintains a grade of "C" in his courses. Notwithstanding some protest against the system, it is said to work well.

WEATHER.

Forecast for Boston and vicinity: Tuesday, probably fair and warmer; moderate southerly winds.

CALENDAR.

- Tuesday, May 6, 1913.
 - 1.30—Lynn H. S. Club Meeting—22 Rogers.
 - 2.00—Architectural Engineering Society Meeting—42 Pierce.
 - 2.00—Foundry Class Trip—Blake Pump Works.
 - 8.15—Musical Clubs' Dinner—Copley Square Hotel.
- Wednesday, May 7, 1913.
 - Architectural Society Meeting—42 P.
 - 3.00—Freshman-Rock Rindge B. B. Game.
 - 2.00—Foundry Class Trip.

THE TECH

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TUESDAY, MAY 6, 1913

There is a serious wrong being perpetrated when three communications are sent to us in one day on one subject. Three were received yesterday on the subject of the behavior of Freshmen in lectures and in the drawing rooms. We printed an editorial some days ago gently reminding certain Freshmen that they had left high school and were in a college of men who are here for a definite and sincere purpose. It is abominable and outrageous when a few young upstarts spoil a lecture or make laboratories and drawing rooms unpleasant by showing their poor training. If they were throwing away their own opportunities only, we would say, "It's their own business." They are hindering earnest men, and as gentlemen, if such they be, they must realize the gross injustice of such conduct.

The Professors are not at the Institute to teach manners and decency, and we are paying the highest tuition in the country to learn something more than those fundamental decencies which are born in average people.

A repetition of the childish spirit which these three communications have called to our attention cannot occur without some radical step being taken. It is a case where a good lesson can be taught by a public mention of the offenders, and we promise that the matter will receive our careful attention.

May we take this opportunity to thank the authors of these communications. A scarcity of space prevents the publishing of all of them—to the point, as they are.

ARCHITECTS' ELECTION.

Today, at 2 o'clock, the Architectural Engineering Society will hold an important meeting in 42 Pierce. At this time the election of officers for the coming year will take place. At the meeting, held yesterday at the same time, a quorum was not present, and consequently the election was postponed until today. The present officers of the society are very desirous of having a large number of members present today so that the business may be speedily completed.

TECHNIQUES ON SALE NOW AT THE CAGE

Unclaimed Copies Can Be Had By Anyone Upon Payment of Regular Amount.

The copies of Technique, 1914, which had not been sold to the holders of sign-up slips by noon yesterday were put on general sale at the Cage. Although the holders of the slips have, in many cases, failed to get their books, the results of the general sale were very gratifying. Some of the copies are still left, and these may be obtained at the Cage by anyone, regardless of whether he signed up or not. The books will remain on sale until the supply is exhausted.

The Board requests that all men who have sign-up slips show their faith in Technique by redeeming them immediately. The books have been kept two weeks for these men, when, if they had been put on general sale, they would probably have been easily disposed of. As the Board has protected the holders of the slips, it believes that they should protect the Board by carrying out their agreements. In this way the Board will be insured against financial loss.

MUSICAL CLUBS.

(Continued from Page 1, Col. 3.)
Banjo Club fifteen. The total membership of the Combined Clubs is approximately sixty. It is thought by those qualified to judge that the clubs are individually the best that Tech has had for a long time. Next year efforts are to be made to have a longer schedule of concerts than was the case this year. The prospects for a trip during one of the vacations is thought of seriously as the clubs are growing in power each year. The clubs are such an advertising medium for the Institute that they are deserving of the support of the alumni, and undoubtedly these will be appealed to, to support the clubs at its concerts if the talked-of trip is made next year.

MECHANICAL ENGINEERS.

(Continued from Page 1, Col. 1.)
beams and supports affords much more light.
Mr. Reynolds accompanied his talk by many stereopticon slides which showed very forcibly the improvements which have been made in mill construction by the use of reinforced concrete.
The new president of the society, H. W. Treat, presided over the meeting and introduced the speaker.

Harvard has several millionaires on its faculty. President Lowell is one of these and a botany professor another. Professor Gray, lately retired from the law school, is also in the seven figure class. He "inherited a million, married a million, and made a million." Many other wealthy men are on the faculty.

The lecture on clams made all the members of the Biological Society hungry.

The new men on THE TECH seem to be happy. There is always room for one more.

The Chess Club is certainly upholding the standard of the Institute when it comes to brain work.

Many resolutions to drill better were made by the Freshmen after they had witnessed the interscholastic contest Wednesday.

To put a winning team in the field the Freshman baseball team must either get better pitchers or improve the condition of its present ones.

Very little traffic on the 6.24 to Wellesley these days. Too much work to do.

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The wire screen around the hammer and discus throwing circle is a welcome addition to the equipment at the Field.

The admission of the B. A. A. men to the handicap meet Saturday, as was suggested by one of that club's athletes, would have made some of the events more interesting.

Bylund's time Saturday shows that he will be a formidable opponent to championship aspirants this season.

W. P. I. took only second in a triangular meet with Holy Cross and Colgate Saturday, and was able to do that only by taking first three places in the pole vault.

The half-mile in Friday's meet should be one well worth seeing. Captain Germain, Bylund, Marceau and Hedlund will be among the starters.

Laurason's injury is a loss to the team, as he was showing possibilities of going over 11 feet this Spring.

Coach Ryder of the B. A. A. is working his men hard for the coming meet with Tech. He intends to wipe out last year's easy victory for Tech.

A comparison of the times and distances made in the N. E. I. C. A. A. meet last year and the best times made by the Tech men this year has been posted at the Field. The idea is to encourage the candidates to work harder to improve their records.

The times made recently by Jones of Cornell, and Tabor of Brown, show that records are likely to go in their events at both intercollegiates.

Ray Palmer appeared at the Field yesterday and did a mile in fair time. He will be out regularly for the remainder of the season.

Bylund did 600 yards at good speed. He will run in the half instead of the quarter Saturday.

Cook, '15, who won the two-mile last Saturday, showed good speed yesterday by going through a half in 2.15.

H. S. Benson did a fair three-quarters. His injured leg seemed to give him little trouble.

The B. A. A. men have been practicing hard for the dual meet with Tech next Friday. All the Tech men will have to go to win. The quarter and half should be especially good.

Captain Germain did 600 yards yesterday, and was followed for the quarter by Pollard. The time was fair.

No practice today as the track is to be put in condition for tomorrow's meet.

The percentage of clean collars and gloves at drill Wednesday was astounding.

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COMMUNICATION.

(We invite communications from all men in the Institute on important subjects. We take no responsibility for their sentiments and do not agree to print all that may come in. We prefer that communications be signed, but the name of the author will not appear unless he so desires.)

For several weeks I have been ashamed, shocked and disgusted at the rude and ungentlemanly conduct of some students in Professor Currier's History lectures. They have talked, read the paper, and, in fact, displayed a very unseemly conduct. This is distressing and annoying to the many who attend these lectures with an idea of deriving as much benefit as possible, and doubly so to Professor Currier, who does his best to make the lectures interesting and instructive.

If one only enters the lecture hall with an idea of assimilating as much knowledge as possible from these lectures he will, I am sure, feel well repaid for his attendance and close attention by the great amount of information and pleasure derived from these lectures.

Last Saturday one member of the class brought a friend to the lecture, and occupied a seat well toward the front, thus taking the room from one of the class. Is this fair? Should men thus be allowed to trespass on the rights of others? I may add that this man and his friend thrashed around, smirked, giggled, made none too pleasant comments upon the architectural features of the hall, etc. Should men regard this institution as a sort of entertainment place for their friends?

I was very glad to see the recent editorial in THE TECH concerning the men who indecently interrupted the lecture. This shows a lack of courtesy, a spirit of decided meanness and a disregard for the rights of others. This flagrant outrage should continue no longer. In an institution where all should co-operate for the best results, those men are decidedly out of place. Outraged.

C. E. SOCIETY BANQUET AT CITY CLUB THURSDAY

Results of Elections Will Be Announced - Good Speakers Promised.

The annual banquet of the Civil Engineering Society will be held Thursday, May 8, at 6.30 o'clock, in the rooms of the Boston City Club. The officers of the society have succeeded in securing several excellent speakers for the evening, all of whom are well known engineers. Mr. Jas. P. Munroe, the secretary of the corporation; Mr. Jas. W. Rollins, of Holbrook, Cabot & Rollins; Mr. Frederic H. Fay, engineer of bridges and ferries for the city of Boston, Technology, '93, and Prof. C. M. Spofford, who is in charge of the department, will be the principal speakers.

The results of the election of officers for the coming year will be announced after the dinner. The ballots have been distributed and will be due at the Cage Wednesday, at 4 o'clock. It will be necessary for all the members to pay their dues before they can vote.

Tickets may be obtained for \$1.00, although the cost, including the dinner, will be \$1.25.

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