

THE TECH

VOL. XXXIII. NO. 15

BOSTON, MASS., WEDNESDAY, APRIL 23, 1913

PRICE TWO CENTS

M. E. SOCIETY BALLOTS AT THE CAGE TODAY

Banquet to Be Held at Boston City Club on April 30—
Meeting Friday.

The ballots of the Mechanical Engineering Society are now ready and they may be obtained at the Cage today at noon. There are also envelopes to go with the ballots and all votes which are not signed will not be accepted. The following names appear on the ballots: For Chairman, A. F. Kenrick and H. W. Treat; Vice-Chairman, W. H. Brotherton, L. C. Perkins; Secretary, A. J. Hoyt L. L. Downing; Treasurer, F. P. Karns, W. E. Lucas, Jr.; Governing Committee, to be chosen from the class of 1914, E. M. Boyd, R. L. Parsell, C. H. Wilkins, and from the class of 1915, T. W. Burkhardt and F. G. Purinton. All members of the society are urged to fill out their ballots as soon as possible, and none will be received after 6 P. M. on Wednesday, April 30.

On this date there will be a banquet at the Boston City Club at No. 6 Beacon street, on which occasion the results of the election will be announced. The time for the banquet has been set at 6.30 P. M. and the tickets, which will be \$1.00, can be obtained at the Cage. All fourth-year men in Room 24 B will also have tickets for sale. The speakers of the evening will be Professors E. F. Miller, G. B. Haven, and also several students.

On Friday afternoon, at 4.10 P. M. the society will hold a meeting in 11 B, and they will have as a speaker Mr. J. W. F. Macdonald. Mr. Macdonald is connected with the International Engineering Company of South Framingham, which was formerly the Robb Engineering Works. The subject of the talk to be given is "Modern Boiler Making Practice." This subject will be of great value to all Course II men, and especially to the third-year men. The men from all the courses are invited, and it is hoped that a large body of fellows will turn out.

E. E. POSTPONE TRIP.

Will Visit Telephone Exchange Conducted by Mr. Keating.

On Thursday and Friday afternoons of next week the Electrical Engineering Society will conduct two trips to the New England Telephone Company on Milk street. These trips were at first scheduled for this week, the 24th and 25th, but owing to conflicts it was found best to postpone the excursions. These trips will be of great interest to all Course VI men, and therefore it is hoped that a large number of the fellows will take advantage of this excellent opportunity to inspect the telephone exchange. Since not all the men would be able to go on Thursday, arrangements have been made so that those unable to be present at this time may still have an opportunity to go on Friday.

The two trips will be personally conducted by Mr. Keating, and all the men are to meet in front of the Telephone Company's offices on Milk street, at 2 o'clock, on both days.

COMMITTEE ON THE WALKER MEMORIAL AND GYMNASIUM REPORTS TO ALUMNI COUNCIL

Recommendations Made Propose Many Comforts and Pleasures For Future Students-- Large Field For Athletics.

At the meeting of the Alumni Council of the Massachusetts Institute of Technology, last evening, Dr. Harry W. Taylor presented the report of the committee to consider the Walker Memorial and gymnasium, a report which suggested the erection of buildings whose construction and equipment would cost in the neighborhood of six hundred thousand dollars. This report was voted to be presented to the Corporation with the approval of the Council so far as the major features of the report are concerned.

Dr. Taylor, in the main, and Dr. J. A. Rockwell, in some of the details pertaining especially to athletics, presented a report quite in detail of suggestions about the Walker Memorial and the social and gymnastic centres of the New Technology. The report considered the location on the new site, the Walker Memorial building proper, the gymnasium and swimming pool, the athletic field and the matter of finances. The idea has been not to interfere with the educational structures or needs, but at the same time to secure a location consistent with the needs of a social centre, convenient of access both on foot and by carriage in case of important social functions, and for these reasons the place desired by the committee is the corner of the Esplanade and Massachusetts avenue.

The problem now is to make at the New Technology an adequate provision for the social needs of at least two thousand students in the near future. There is need of two buildings, the Walker Memorial and the gymnasium, while close to the former there should be established the great students' Commons or restaurant. The Walker Memorial building should provide for the student activities, clubs and societies recreations, library, music, lectures, with arrangements for dining and dancing. It should be of simple architecture and in harmony with the educational buildings, and have a basement and three stories, and the great lounge or living room, extending through the building, should have an area of at least 3500 feet. Besides the utilitarian rooms, it is proposed to have an auditorium for about five hundred, libraries, billiard and card rooms, offices, accommodations for the faculty, and in the basement a grill room, bathing facilities, bowling alleys and a small gymnasium.

MASONIC CLUB.

Regular Business Meeting to Be Held in Union Tonight.

Tonight, at 6 o'clock, there will be a meeting of the Technology Masonic Club in the Union. The club, as usual, will first have dinner in the dining room and will then adjourn to Room A, where they will hold their meeting. The officers of the club especially desire a full attendance as business of particular importance is to be transacted.

The summary of recommendations of the committee follows:

Location.

1. The Walker Memorial should be convenient of access not only for students on the campus but for those living outside (on their way home), and for persons attending evening affairs in it. 2. As a memorial it should have a conspicuous site and an architecturally impressive exterior. 3. The gymnasium should be convenient of access for students on the campus. 4. The Walker Memorial and the gymnasium should be located with reference to permanent use; the athletic field for occupancy for not less than 25 years. 5. The athletic field should be so located as to admit of enclosure and not to interfere with direct passage between the buildings. 6. The location preferred for the Walker Memorial is on the Esplanade, near Massachusetts avenue. 7. The Walker Memorial should be near the Dining Hall, and the two should be connected by an Arcade. 8. The location preferred for the gymnasium is the corner of Massachusetts avenue and Vassar street. 9. The Swimming Pool should adjoin the gymnasium on the south side. 10. The location preferred for the athletic field is along Vassar street, eastward from the gymnasium. 11. It is assumed that the space along Massachusetts avenue between the Walker Memorial and dining hall at the one end and the gymnasium and swimming pool at the other would then be used for quadrangles of student houses. 12. The interior of these quadrangles and other available open spaces should be used for tennis courts. 13. The ground areas should be approximately as follows:

Walker Memorial, 12-15,000 square feet.

Gymnasium, 45,000 square feet.
Athletic field, including track, grandstand, etc., 360,000 (400x900 to 1000).

Walker Memorial Building.
14. There should be porticos, terraces and out-of-door seats. 15. The basement should include a grill room seating 125; four smaller dining rooms, seating 25 each; a kitchen, sewing rooms, etc.; a small gymnasium for handball, squash, etc.; shower baths, shooting gallery, 6 bowling alleys. Some of these may extend under the Arcade. 16. The first

(Continued to Page 2, Col. 2.)

PHYSICAL EXAMINATIONS.

All men who took physical examinations at the beginning of the year and wish to have another examination made, will be given the opportunity today for the last time. These measurements will be open only to those who present their physical examination charts at the Gym to Coach Kanaly before noon today, and make appointments.

PLANS FOR STUDENT CO-OPERATIVE SOCIETY

Report of Men in Prof. Pearson's Class to Be Put Before Students Soon.

Professor Pearson's class in Argumentation and Debate is planning to present to the Institute the fundamentals of a plan for a student co-operative society. Four men have been asked to draw up a comprehensive report and to present it at the next meeting of the class, which comes on Saturday, at 12 o'clock. Then the same report will be presented a week from Friday to all members of the student body who are interested in the matter.

The class has been studying the form of co-operative society that is used at Harvard. There the annual profits are divided among the shareholders in proportion to the amount of purchases that they have made during the year. The price of goods is no lower than at any other store, but stockholders have the privileges of special discounts at other stores throughout the city.

INTER-CLASS MEET.

Cups on Exhibition in Union—
Good Races Expected.

The entry books for the annual Spring interclass meet will soon be posted in the Union and at the Field. This competition is open to everyone, and Coach Kanaly expects a large number of men to enter the various events. The meet will be conducted exactly as a big one would be, and trial heats will be run in the shorter running events. The first event will begin promptly at 3 o'clock Saturday afternoon, and will be run off with as little delay as possible.

The cups for this meet are on exhibition in the Union, and are splendid trophies for which to compete. These cups will be kept in the Union until the meet.

The admission is only 25 cents, and Manager White hopes to see the grandstand filled with students and their friends among the fairer sex.

WEATHER.

Forecast for Boston and vicinity: Wednesday, fair, moderate northerly to easterly winds.

CALENDAR.

Wednesday, April 23, 1913.

4.15—Crew Practice at B. A. A. Boat-house.

5.15—Freshman Crew Practice—Rowing Machines—B. A. A. Club House—Exeter Street.

6.30—Masonic Club Meeting—Union.

Thursday, April 24, 1913.

3.30—Soph Baseball vs. Rindge.

4.00—Naval Architectural Society Meeting—28 Eng. C.

4.15—Senior Class Day Committee—8 Eng. C.

4.15—C. E. Society Nominations Due.

8.00—Tech Show at Malden Auditorium.

THE TECH

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WEDNESDAY, APRIL 23, 1913

We have made appeals to the student body for their support of every event which has taken place this year. A crowd went to the Technology Smoker when there were free smokes and free entertainment. The Technique Rush offered another something-for-nothing-opportunity, and the number of supporters was gratifying. The athletic contests where support is most needed, have been attended by a few contestants and practically no spectators. This is not the right condition. Every man has got to have a sane proportion of mental and physical exercise. The school that trains men ought to have the same balance. M. I. T. hasn't got it. Athletics are too subordinate. There aren't enough men interested in athletics, and shallow observation shows the result.

Our Gym is not an attractive place for exercise, and the Field is so far away that the average man, with an hour free in the afternoon, has not sufficient time to get to the Field and back and get enough exercise to make the trip seem worth while.

But there are men who, in spite of these difficulties, are out supporting their classes and their school on the track. Do we owe them anything? The Interclass Meet is to be held at the Tech Field on Saturday. Can't we make this the biggest thing of the year and show a little bit of appreciation to our respective track teams?



THE CHOCOLATES

THAT ARE DIFFERENT
FOR SALE AT THE UNION
SOMETHING

NEW CONTINUALLY,

IMPORTANT SHAKE-UP IN THE 'VARSITY CREW

Men Working Under Direction
of Coach Stevens—Chance
Good For New Men.

Yesterday afternoon at 4 P. M., the crew held its regular practice on the Basin. There was an important change in Varsity crew, and the following men were placed: Robertson, bow; Mumford, 2; Gere, 3; Duff, 4; Marion, 5; Burkhart, 6; Affel, 7; Berkowitz, stroke, and Macy, coxswain. The other men who reported and were worked out in the four-oared shells were: Stocking, stroke; Tyler, 2; Chapman, 3; Loo, coxswain, and Bousquet, stroke.

On Monday evening, at 8.30 P. M., the members of the crew worked on the rowing machines in the B. A. A. Clubhouse on Exeter street, under the direction of Coach Stevens. Mr. Stevens has recently assumed the responsibilities of coach, and he will meet all Freshmen who are taking drill at the clubhouse on Exeter street, at 5.30 P. M. All other men are to appear for regular practice at 4.15, at the boathouse.

Although the men who have come out for practice this year are doing remarkably well considering the odds against which they have been working, there is still room for improvement. There is an excellent opportunity for all men over 140 pounds, and as many fellows as possible are urged to show up for practice. At the present time the crew management is making preparations for a class series. This is bound to be an interesting event, and it is hoped that a large number of entries will be made after the plans have been made definite.

WALKER MEMORIAL.

(Continued from Page 1, Col. 3.)

floor should contain a general lounging and smoking room, reading room, billiard room, writing room, card room, reception room, check room. 17. Both basement and first floor should have entrances from the Arcade, as well as from the outside. 18. The second floor should contain an auditorium, seating from 400 to 500, with ante rooms, etc., library and smoking room for Faculty and alumni; rooms for study and for committee meetings. 19. The third floor should contain offices for the principal student activities and an apartment for the superintendent. 20. The building should be designed with reference to the possibility of future expansion.

Organization and Administration of Walker Memorial.

21. All male members should be active members, organized as a club with membership cards. 22. Associate membership should be open to all members of the instructing staff and alumni. 23. Dues for active members should be \$4 per year; for associate members \$5. The student dues should be collected in the form of an addition of \$2 to each term bill. 24. The active members should elect a house committee to make and administer rules subject to the approval of the President of the Institute. 25. The business and financial management should be exercised under the general direction of the Corporation, by a committee of 7, including 4 representatives of the alumni, 1 of the Faculty, and 2 of the undergraduates. 26. Pains should be taken to make the place cheerful and attractive on Sundays. Religious services should be arranged (by the Technology Christian Association) for Sunday morning, and concerts held in the afternoon. 27. The kitchen should be conducted in connection with the general dining hall. 28. Billiards and bowling should be made self-supporting (or better) if practicable. 29. Student organizations not representing the student body as a whole should pay a small

(Continued to Page 3, Col. 2.)

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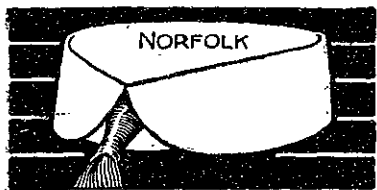
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**SOPHOMORE BASEBALL
 MEN SHOW UP WELL**

**Lineup For Game With Rindge
 Not Definitely
 Decided.**

Yesterday afternoon was ideal for baseball, and a large squad of candidates for the Sophomore baseball team turned out at the Field. The practice was good, and the men got into the work with vim. After the usual batting and fielding two scrub teams were picked, and the work finished up with a game. Captain Caffery is finding it hard work to pick a team to face Rindge tomorrow, the men are showing up so uniformly, but Bears is slated to start the game in the box, and either Pike or Delano will relieve him if necessary. The following lineup will probably start the game, although Captain Caffery is not willing to make any definite selection.

The lineup:
 Bower, 1st; Frank, 2nd; Captain Caffery, s.s.; Langdon, 3d; Place or Thomas, r.f.; McIntyre or Holway, c.t.; Morse, l.f.

This is not the batting order, which will not be announced until just before the game. The game promises to be a close one, and should prove a good test of the strength of the team.

On next Saturday a second game will be played with the Wellesley High team, at Wellesley.

**M
 ELECTRICAL AND CIVIL
 ENGINEERS TO MEET**

**"Delivery and Handling Freight
 at Boston Terminals" Is
 Subject of Talk.**

At a joint meeting of the Boston Section of the American Institute of Electrical Engineers and the Boston Society of Civil Engineers, to be held Friday evening, in the Lowell Building, Dr. Harold Pender, H. F. Thomson and C. P. Eldred will present the report on their motor vehicle research, "The Delivery and Handling of Freight at the Boston Freight Terminals." The research on vehicles which is conducted by the Institute with funds furnished in part by the Edison Electric Illuminating Company of Boston, is of the widest scope. Not only are the performances of the wagons themselves considered, but also conditions of street congestion and kind of paving. The report on freight terminals of Boston is to be made public for the first time Friday evening, and it is hoped that all Institute men who are interested will attend.

WALKER MEMORIAL.
 (Continued from Page 2, Col. 2.)

1500 lockers, the general student post-office and check offices; a news stand, confectionery and tobacco stands, bar.

The Arcade.
 31. The Arcade should contain two floors, or one above the basement; rental if they desire the exclusive use of rooms.

Faculty and Alumni.
 30. A special reading room and smoking room should be assigned to the Faculty and alumni; they should share the grill room and special dining rooms with the students. The gymnasium should contain special provision for the instructing staff and alumni.

(Continued on Page 4.)
CHESS TOURNAMENT.

On next Friday the final match of the Chess Club tournament will be played in the Union by C. E. Norwood, '14, and D. E. Woodbridge, '16. Although it is not definitely decided it is probable that the winner will play with L. B. Hoyt, the winner of last year's tournament.

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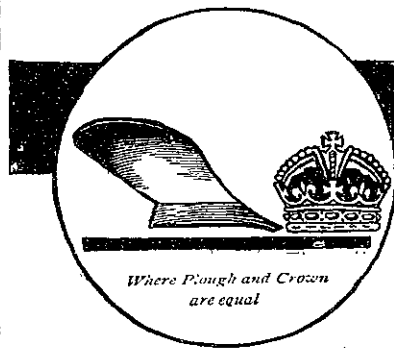
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WALKER MEMORIAL.
 (Continued from Page 3, Col. 2.)

ber and bootblack, etc. These should yield some revenue.

Gymnasium.
 32. The gymnasium should be about 150 by 300 feet. 33. The basement floor should be of cinders and clay, with a cinder track of 14 feet wide. 34. One-third of the basement floor space should be devoted to lockers and shower baths. 35. Particular attention should be devoted to lighting and ventilation of the basement, as well as the upper part of the building. 36. The first floor should contain a main exercising room, 100 by 150 feet; office rooms for the director, library, check room, reception room, etc. 37. The main room should be arranged for occasional use for large dances and dinners unless these are provided for elsewhere. 38. This main floor should also include lockers, baths and special rooms for wrestling, boxing, fencing, squash, handball and corrective gymnastics. 39. On this floor, or in a mezzanine should be additional rooms for athletic teams, visiting teams, examining rooms, etc.

Swimming Pool.
 40. This should adjoin the gymnasium on the south side and should have a ground area of 100 by 60 feet. 41. The pool should be 75 by 30, with 9 feet of water at one end, diminishing to 4½ at the other. 42. There should be a gallery around the pool with seats for several hundred. 43. An instructor in swimming, or his assistant, should be in constant attendance. 44. Careful attention should be given to the cleanliness and sterilization of the water.

Physical Director.
 45. There should be a gymnasium director of medical training and faculty rank. 46. As medical advisor he should have daily office hours with suitable quarters and appliances for emergency cases.

Athletic Field.
 47. The field should be accessible, enclosed, and not so located as to interfere with passage between build-

ings. 48. It should be approximately 400 feet wide by 900 to 1000 feet long, with a 220-yard running track on one side, and on the other an extension to form the finish of a 440-yard track. 49. If located along Vassar street the grandstand should form a wall between the field and the street. 50. It is recommended that tennis courts be laid out in the quadrangles and other available open spaces. 51. A special alumni committee should be appointed to deal with the problem of boating.

What Dr. Rockwell had to present concerned itself with the gymnasium and swimming pool. He presented tentative figures for an establishment to cost somewhere above one hundred thousand dollars, and showed by way of information what has been done by the different colleges in this country and in Canada illustrating his story by means of lantern views of buildings and plans. The proposal is to locate the gymnasium at the north end of the lot—Massachusetts avenue and Vassar street—with the athletic field running back along the latter street. The grounds, it is expected, will be taken for educational purposes after about twenty-five years, but the gymnasium is expected to be permanent. In the athletic field there has been economy of space in arranging the different sports, the baseball park being ingeniously arranged for two simultaneous games on the same field, using the same space for the fielders, but so contrived that they will not conflict.

The gymnasium is figured for a main floor of 18,000 feet, courts, baths and lockers, rooms for the administration and corrective rooms for those needing special kinds of exercise.

The swimming pool is figured to be of regulation size, 30x75 feet. It is proposed to change the water every forty-eight hours and to sterilize the pool with hypochlorites. Its location is to be to the south of the gymnasium, in accordance with most recent ideas.

In the gymnasium there is planned a running track of thirteen laps to the mile.

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