

THE TECH

VOL. XXXIV. NO. 59.

BOSTON, MASS., FRIDAY, NOVEMBER 13, 1914.

PRICE THREE CENTS

TECH HAS GOOD CHANCE TO WIN CROSS-COUNTRY

Dartmouth And Maine Are The Toughest Opponents In N. E. I. C. A. A. Run.

Tomorrow morning at 11 o'clock the annual cross-country run of the New England Intercollegiate Athletic Association will be held at Franklin Park, Dorchester. Although Technology is picked by many experts to win, Dartmouth and Maine are sure to push the M. I. T. men hard to carry away the honors. Maine has just won the Maine state championship for the third time and has a very strong team.

The other New England colleges have a few stars among them but have no strong teams to back these up. Bell of Maine, Wenz of Colby, and Granger of Dartmouth will be the chief contenders for individual honors with Brown and Captain Cook of Tech. Dartmouth is not expected to show up as well as last year as the loss of Marceau and Saltmarsh will be felt keenly. Granger, Durgin and Myers, who captained last year's freshman team, are rated as Dartmouth's strongest. Brown University is relying on Coop and Bosworth for her showing in the run.

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SUMMER CAMP REUNION

Dinner At Union—Interesting Program In Order.

There will be a reunion of the men who were at the summer camp this year on Tuesday, November 17th. Dinner will be served at 6.30 in the Union and tickets may be obtained from any of the committee in charge, which consists of R. H. White, '16, W. Farthing, '16, and T. A. McSweeney, '16.

An interesting entertainment is being prepared. In addition to this, songs which were sung in the minstrel show this summer at the camp will be sung again. The spirit shown already assures a success for the affair for on Tech night at the Shubert, a number of the camp fellows had a section where a small reunion took place.

DEAN BURTON TO SPEAK

Technology Night, at the First Baptist Church of Boston, will be held Sunday evening at eight o'clock, by the Young People's Society. Dean Burton, Prof. Haven, and Secretary Cushman of the T. C. A., will speak. Tech men are cordially invited to come and help make the evening a success.

FINANCE COMMITTEE HOLDS MEETING

Many Important Matters Are Brought Up—Voucher Checks.

The second Finance Committee Meeting of the year was held in the Union last night. It was decided to investigate the matter of voucher checks, in view of the fact that the treasurers of all the activities in the Institute might have a unified system for settling accounts. It is very imperative that all treasurers attend the next meeting, for this matter is very important and the opinions of all are essential. The Committee also decided that the treasurers plot graphs indicating the collection of dues or other finances. The question of having dinner in the Union before the meeting was considered and hereafter all members are to state on

(Continued on Page Six)

C. E. SOCIETY TRIP

Fort Andrews Excursion Planned Next Friday.

What the officers of the Civil Engineering Society think will be the most successful trip in the society's history, is to be held next Friday, Nov. 20. It is an excursion down Boston Harbor to Fort Andrews, the most important military post in New England. A special boat has been furnished by the U. S. Government, which will leave Long Wharf at the foot of State street at 2 o'clock promptly. Arrangements have been made for the boat to be back in Boston before 5.30. The members of the party will be conducted about the fort by Lieut. Foote, a recent graduate of West Point and brother of one of the members. The commander of the fort is also going to give a special dress parade for the benefit of the visitors.

Owing to lack of room, the party is restricted to fifty members. All who are going are requested to sign up with F. B. Hastie, the secretary. Major Cole will be one of the party and members of the Officers' Club have also been invited.

TECHNOLOGY MONTHLY

The Technology Monthly and Harvard Engineering Journal will be issued next Monday. It will contain the "Fourth Dimension" by Professor Wilson, "Effect of the War on the Textile Industry," "Problems of a Contractor," "Field Day Pictures" and short stories and scenes about Copley Square by K. H. Day, '17.

BISHOP HENDERSON SPEAKS AT UNION

Gives Lively And Interesting Talk on "Can A Man Pray?"

Yesterday at the Union, Bishop Henderson of New York gave an interesting and straight-forward talk on "Can a Man Pray?" He stated his subject in the form of three propositions. In the first proposition he said that man was the only thing on earth that had a two-fold nature or possibilities, good and bad. A man can be "straight" one hour and "crooked" the next.

In the second case, he said, that when a man's higher intellect begins to develop, his lower one immediately revolts. Thus a man cannot be morally right without a struggle. His third proposition was that a man is a part

(Continued on Page Six)

T. C. A. ELECTION

Chauncey H. Durkee Elected To The Presidency.

As the result of the T. C. A. election, Chauncey H. Durkee, '15, was elected president for the coming year. He is a member of the Mechanical Engineering Society and is taking Course Two. He has always been an active member of the T. C. A. and last year was chairman of the Boys' Work Committee.

He is a member of the Institute Wrestling Team which won the eastern intercollegiate championship last year and was awarded his insignia. He wrestles in the 135 pound class, and the team is dependent on him this year to fill the gap caused by the graduation of Captain Kelley and Manager Smythe-Martin of last year's team.

RIFLE CLUB

On account of the weather and the short afternoons, the outdoor shooting of the Rifle Club will be discontinued until spring. Men having rifles out are requested to return them to the South Armory at once. Indoor practice will begin in a few days, the details of which will be announced in The Tech.

The officers of the club express much satisfaction with the results of the fall shooting, the general average of the scores having raised twenty per cent. Dunn, Casselman and Parsons tied for high place last Saturday with scores of 49 out of 50, and a number of others made 9000 scores. Elimination for the outdoor team will begin immediately upon resuming practice in the spring.

INSTITUTE COMMITTEE MEETING YESTERDAY

Standard Committees Appointed—Representation Granted Monthly.

At the meeting of the Institute Committee held yesterday afternoon, it was decided to give the Technology Monthly provisional representation on the Committee until May 1st, 1915.

A new permanent committee, to be known as the Budget Committee, was created, and will consist of three regular members and the chairman of the Finance Committee, ex-officio. This committee will receive the budgets from the Athletic Association, and transact other business of a like nature. November 20th was set as tag day.

The following standard committees were appointed:

Finance Committee:

F. P. Scully, Chairman.

Point System:

(Continued on Page Three)

CHESS CLUB

Meets Brown Tonight At The Union.

The Technology Chess Club is scheduled to meet Brown in the Union tonight at 7 o'clock. P. F. Jones, '15; C. Dean, '17; E. H. Neumann, '15; A. Kenigsberg, '17; D. E. Woodbridge, '16, and G. A. Saladrigas, '16 will represent the Institute. A match with Harvard has already been arranged, and other matches are under consideration.

GYM TEAM NOTICE

The captain of the Gymnasium Team requests that no member of the squad work on either the horizontal or parallel bars unless some other member of the squad is around. This will greatly reduce the possibility of any accidents.

CALENDAR

Friday, November 13, 1914.

1.45—M. E. Society Trip to Metz Factory. Meet at Trinity Place Station.

7.30—Open House to N. E. Cross-country Teams. Union.

7.30—Chess Team. Tech vs. Brown. Union.

Saturday, November 14, 1914.

11.00—N. E. I. C. A. A. Cross-country Championship. Franklin Park.

1.00—1918 Nomination papers due at Cage.

4.30—Chinese Students' Club; Rooms A and B, Union.

4.30—Dupont Club entries close.

OPEN HOUSE—UNION—7.30 TONIGHT

THE TECH

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FRIDAY, NOVEMBER 13, 1914

IN CHARGE OF THIS ISSUE.

Editor: G. H. Stebbins, '17
Associate: H. N. Keene, '17
Assistants: N. Stimets, '16; D. E. Bell, '17; B. A. Thresher, '18; W. J. Henry, '18; P. M. Strang, '18; E. M. McNally, '18; J. C. Purves, '18; E. Stewart, '18.

This year for the first time a freshman election is to be held without the prejudice which always attaches to temporary officers eligible for reelection. With a clean slate to start with 1918 should be able to make a judicious selection of officers, even though the time for getting acquainted has been rather short.

Field Day affords a good basis for partial judgment in this matter; but it should not be forgotten that just as good work for the class has been done in other activities. Every conscientious member of the class should do his part in the nominating of desirable candidates; if they shirk this duty, the nominees will be of the other type.

FACULTY NOTICE

The first lecture in Testing Materials for Course VI will be on Wednesday, November 18th, in Room 11, Engineering B, at 10 o'clock. The first Laboratory exercises will be on Tuesday, November 24th, at 2 o'clock.

Second-Year English.

Professor Seaver's section, meeting on Saturdays at 9.00, will meet on November 14th in Huntington Hall.

Mr. Colleston's section, meeting on Saturdays at 9.00, will meet on November 14th in Huntington Hall.

CROSS-COUNTRY TRIALS

Freshman Team Will Be Picked This Afternoon.

The trials for the 1918 cross-country team will be held at 4.30 this afternoon over the Cottage Farm Course; down Commonwealth Avenue, Beacon Street, over the Harvard Bridge, and then to the New Field. More than twenty men are trying for the team, and seven will be picked as a result of the trials today. The team will compete in several meets, all of which have not been decided on, but one of them will be the Andover Intercollegiate, at Andover, on November 20th, where the Harvard Freshmen, Dartmouth Freshmen and Worcester Academy will also be represented.

Several promising men will run this afternoon, among them being Bradley, who will very likely finish first unless he goes to New Haven with the Varsity Cross-Country team. Lippitt, from Providence Technical High, who won the two mile on Tuesday will also run, as well as several promising 1918 relay men. Harrington of the Varsity Cross-Country will run with the freshmen.

CIVIL ENGINEER WANTED

T. C. A. Receives Call From South American College.

The T. C. A. has received a letter from the Student Volunteer Movement for Foreign Missions, issuing a call for a graduate of the Civil Engineering Course, to go as teacher in that course to Mackenzie College, Sao Paulo, Brazil. The call comes indirectly from Dr. MacLaren, the president of that college.

The college is the highest institution of its kind in South America, and included in its roll are students in the Engineering Department from all parts of Brazil. The man needed as instructor should be qualified to teach higher mathematics, differential and integral calculus. He should preferably be an electrical engineer, for the reason that it is hoped within a few years to open a course in electrical engineering, and an instructor going out now would probably become head of that course.

The most interesting part of the letter, however, shows particularly the type of man that is being sought for and that is needed most urgently in the Latin-American countries. The letter states emphatically that a man "with the missionary motive" is wanted, and quoting Dr. MacLaren, it goes on to state that the opportunity for reaching the young men who are to be leaders of thought and action in a great country is probably unequalled. The need is for men who are not necessarily to be preachers of the gospel, but men whose influence for good will be greatest.

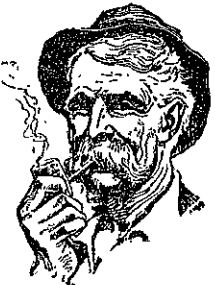
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M. E. SOCIETY

Mechanical Engineers Inspect Metz Plants.

About thirty members of the Mechanical Engineering Society took the trip to the Metz automobile plant last Wednesday. Leaving the Trinity Place Station in squads of about ten each, they went first to the factory in Auburndale. There they were met by Mr. Walter Metz who showed them through the plant, after which they proceeded to the factory at Waltham where they were shown the construction of the Metz car from start to finish. Mr. Smith of the Mechanical Engineering Laboratory accompanied the members.

The remaining three squads will take the same trip today, leaving Trinity Place at 1.45 P. M. The squad leaders are Purinton, Palmer and Norris.

JOINT C. E. MEETING

Harvard-Tech Civil Engineers Hear Lecture.

The C. E. Society meeting, Wednesday evening, at Pierce Hall, Harvard, had an attendance of about 150, of which Harvard students were by far in majority. The officers were disappointed because so few Technology men took advantage of this lecture. A representative of the Lehigh Cement Co. gave a short talk on the manufacture of cement, after which there was a reel of moving pictures on the same subject.

According to the speaker until 1795, there was practically no cement used, but at this time the Roslindale natural cement gradually came into use. However in 1850 hydraulic cement was first scientifically tested in England and after this, mills were built of it there. American Portland Cement did not receive much attention until 1900 when the Croton Reservoir was constructed in New York. Now scarcely any Roslindale cement is used. The American product has grown in favor so that in 1913 alone the output was about 90 million barrels.

The plant of the Lehigh Cement Co. is located on an immense quarry. Each day 50 tons of rock are blasted. This rock passes through crushers which reduce it to the size of marbles, and the grinding process continues until there is only 25% residue when it is put through a 100 mesh sieve. This powder is then burned in an oven at 2700 degrees F. A solid mass remains, which in turn is ground exceedingly fine. The cement is stored carefully in bins and is packed in water-tight bags for shipment when ordered.

1918 CROSS-COUNTRY

Men who are trying out for the Freshman Cross-country Team are to report at the field at 4.30 P. M. today. They are advised to wear shoes for road work.

LOST: A Keuffel and Esser poly-phase slide rule, bearing the name: H. Eric Schabacker. Please return to 261 Newbury St., and receive reward.

MUSICAL CLUBS OPEN SEASON NEXT WEEK

First Concert To Be Given At Franklin Square House On Tuesday.

The concert season of the Combined Musical Clubs opens with the concert at the Franklin Square House, Tuesday evening, November 17. Much enthusiasm has been displayed by the men selected for the clubs. At the initial tryouts 125 men appeared, and there is evidence that from these candidates an usual amount of good material has been retained.

The Tuesday night program will be as follows:

1. Glee Club, The Kavanaugh
 2. Mandolin Club, Norwegian Slumber Song
 3. Reading, H. G. Mann
 4. Glee Club Quartet, The Shoogy-Shoe
 5. Banjo Club, The Sporty Maid
 6. Glee Club, (a) In Picardie (b) Lullaby
 7. Hawaiian Trio, Titi's Serenade
 8. Mandolin Club, Popular Medley
 9. Glee Club, Stein Song
- Preparations are also being made for the Mid-Winter Concert and Dance which will be held in Copley Hall on Friday, December 18.

H. L. SEAVER TO SPEAK

Mr. Henry L. Seaver, assistant professor of English at M. I. T., will speak next Sunday at the Museum of Fine Arts. His subject will be "Marsyas," and the event will take place in the Late Greek Room at 3.45 P. M.

HANDICAP RUNS.

The two mile handicap race on Tuesday was won by Brown and Cook, Zephler, and Brock finished in the order named.

On Thursday the one mile handicap run was held and the contestants finished as follows: Lippet, Brock, Bradley and Harrington.

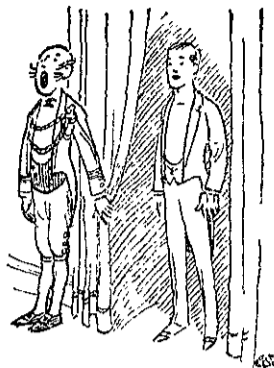
INSTITUTE COMMITTEE

(Continued from Page One)

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- D. L. Patten
- Union Committee:
 - C. A. Blodgett, Chairman
 - O. W. Hilbert
 - W. J. Farthing
- Bulletin Board Committee:
 - F. B. Hastie, Chairman
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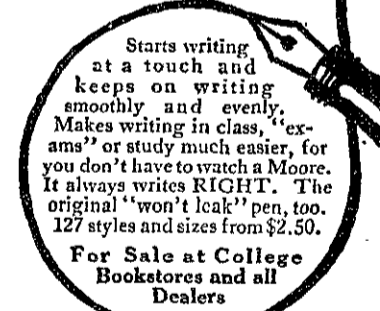
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FRESHMAN NOMINATIONS DUE TOMORROW

Elections To Be According To The Uniform Constitution Adopted.

Nominations for the officers of the class of 1918 are due at the Cage tomorrow at 1.00 p. m. The list of candidates will be published in The Tech and ballots will be sent to members of the class the first of the next week.

All freshmen who have not paid their class dues can do so at the Cage or enclose the money with their ballot, otherwise, their vote will be worthless.

The constitution of the class of 1918 is as follows:

Article I.—Name.

Sect. 1.—This organization shall be known as the "Class of 1918 of the Massachusetts Institute of Technology."

Article II.—Membership.

Sect. 1.—All persons taking a majority of hours with this class shall be eligible for membership.

Sect. 2.—Any member of this class failing to pay his dues before the general election of officers shall forfeit his membership and his right to vote; and he shall be reinstated only on payment of the same.

Sect. 3.—Any member who shall after becoming a member of this class, take for any reason a majority of his hours in another class, shall thereby forfeit his membership in this class.

Article III.—Temporary Organization.

Sect. 1.—Previous to the election of the officers in the freshman year, the class shall be under the supervision of a Junior, who shall be termed the Temporary Chairman.

Sect. 2.—He shall be assisted by four other Juniors, three to act as temporary managers of three Field Day teams, and one as temporary treasurer.

Sect. 3.—The temporary chairman, temporary treasurer, and the three temporary managers for the succeeding years shall be elected, from the Sophomore class, by the Institute Committee at the first meeting in May.

Sect. 4.—The temporary chairman, temporary treasurer and the three temporary managers shall be a sub-committee of the Institute Committee, and shall be responsible to that committee for the affairs of the freshman class.

Sect. 5.—The temporary chairman shall assume the duties of the president of the class during his tenure of office.

Sect. 6.—The temporary managers shall, during the first two weeks of the school year, conduct competitions for the managerships of their respective teams.

Sect. 7.—The temporary treasurer shall assume the duties of the treasurer during his tenure of office.

Article IV.—Officers.

Sect. 1.—The officers of this class shall consist of a President, a Vice-President, Secretary, Treasurer, two Directors, members of the executive committee, two representatives to the M. I. T. A. A., all of whom shall constitute a Board of Directors for

the class. These officers shall serve until the next general election of officers by the class.

Article V.—Duties.

Sect. 1.—The President shall preside over all meetings of the class and of the Board of Directors, and shall be a member of all committees, ex-officio.

Sect. 2.—The Vice-President shall assume the duties of the president in case of the latter's disability, absence, or resignation.

Sect. 3.—The Secretary and Treasurer shall perform the regular duties of their respective offices.

Sect. 4.—The Board of Directors shall have charge of the social and general affairs of the class, shall have sole power to make contracts and pay bills, and shall have full control of the disposition of class funds and properties. They shall specify the manner of appointing committees not provided for in this constitution, and may enact any measures deemed fit for the benefit of the class.

Sect. 4.—The Board of Directors shall meet once a month and at any other time that the president may convene it.

Article VI.—Dues.

Sect. 1.—The annual dues of the class shall be \$1.50 and shall be due before the election of officers.

Sect. 2.—A two-thirds vote of the members present at a class meeting shall be necessary to levy an assessment.

Article VII.—Meetings.

Sect. 1.—Class meetings may be called by the President, the Board of Directors, or by written request to the President signed by thirty (30) members of the class.

Sect. 2.—All notices of meetings shall be posted on regular bulletin boards assigned to the class, at least three days in advance; except that those to consider amendments shall be posted at least a week in advance.

Sect. 3.—In all meetings with the exception of those called to consider amendments those present shall constitute a quorum. In meetings called to consider amendments, one third of the class shall constitute a quorum.

Article VIII.

Method of Electing Freshman Officers.

Sect. 1.—Before the date of the annual Field Day the temporary chairman shall appoint three members of the class as a committee on elections. The members of this committee shall not be nominees for any class office.

Sect. 2.—Nominations to office shall be open the day following the annual Field Day and shall close at a definite hour on the eighth day after said Field Day. Each nomination, to be valid, must be signed by at least ten members of the class. In case less than three (3) nominations to each office are received the committee shall nominate candidates to make up this number. The name of no man whose dues have not been paid shall be placed on the ballot.

Sect. 3.—The committee shall then send printed ballots to each member of the class to be filled out and returned. Seven days after the sending of these ballots the polls shall be closed, the committee shall count

(Continued on Page Five)

FRESHMAN NOMINATIONS
(Continued from Page Four)

the ballots returned, and post the results on the bulletin board.

Sect. 4.—The candidate or where two men are to be chosen, the two candidates, receiving the largest number of votes shall be declared elected.

Sect. 5.—In case of a tie vote the names of the candidates concerned shall be submitted to the class for election.

Sect. 6.—Ballots shall be retained one month subject to a recount, and then destroyed.

Sect. 7.—A demand for a recount must be signed by at least thirty (30) members of the class.

Article IX.

Method of Election of Officers After Freshman Year.

Sect. 1.—The President shall appoint an election committee composed of three members of the class before the end of the second week of the school year.

Sect. 2.—Nominations shall be opened at the end of the second week and shall close at the end of the third week of the school year.

Sect. 3.—The annual election shall be held on the Friday of the fourth week of the school year. The polls shall be opened at 8 a. m., and shall close at 6 p. m. The results of the election shall be announced at a general mass meeting to be held the following Saturday night.

Sections 4, 5, 6, and 7 shall be as in Article VIII.

Sect. 8.—The name of no man whose dues are unpaid shall be placed on a class ballot.

Article X.—Amendments.

Sect. 1.—A special meeting must be necessary to consider amendments to this constitution, and the amendments must be stated in the call for the meeting.

Sect. 2.—A two thirds vote of those present shall be necessary to amend this constitution.

Article XI.—Interpretation.

Sect. 1.—In case of dispute the correct interpretation of this constitution shall be determined by the Institute Committee.

Article XII.

This constitution shall take effect immediately upon its adoption. A three fourths vote of those present shall be necessary to adopt it.

BUSINESS EXPERIENCE

The Tech needs men to work in the advertising department. There are especially good chances for Freshmen to become assistants. Candidates will meet the advertising manager in the upper office any afternoon between 5 and 6 P. M.

OPEN HOUSE TONIGHT

Cross-Country Runners To Be Entertained.

The members of the New England Intercollegiate Cross-Country teams will be entertained in the Union at 7.30 this evening, previous to the cross-country runs to be held at Franklin Field at 11.00 A. M. tomorrow. As Technology has the reputation of doing little else than work, it was thought to be a good plan to try to give the members of the visiting teams a good time while they were here, and correct that impression.

An attractive program is being planned, which will include speaking by Dean Burton and Major Briggs, as well as music by the Glee Club Quartet and members of the Mandolin Club. Mr. I. B. McDaniel will be on hand to render a few lively tunes on the piano. Two of the Chinese students have consented to give one of their interesting exhibitions with the shuttlecock, and some of the other members of the Cosmopolitan Club will also perform. A wrestling exhibition from two of the members of the team is also being planned.

As the teams are in training, no refreshments will be served, and the program will be short enough to be over soon after nine o'clock.

CROSS-COUNTRY

(Continued from Page One)

Technology's strength is in her well-balanced team and her fast men. Captain Cook, '15, and Brown, '16, have been contesting all year for first place on the team and Brown has shown himself to be the better by a slight margin. The other men, entered by Technology in the run, are: Benson, '16; Bradley, '18; Graff, '16; Litchfield, '17; and Wall, '16.

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BISHOP HENDERSON

(Continued from Page One)

of all with whom he comes in contact. An industrious man may cause others to be industrious, a strong man may make others strong, and in the same way, a crooked man can make others the same way. A man is largely what his friends and companions make him and the best friend for any man to have is Christ Himself.

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FINANCE COMMITTEE

(Continued from Page One)

their report whether they will be on hand or not. In conclusion the Committee desired a set of by-laws which will be presented at the next meeting.

The following members were absent: F. D. Ross, Architectural Engineering Society; E. E. Place, Class of 1915; L. E. Best, Hare and Hound Club; J. S. MacDowell, Mining Society; G. R. Duryea, Musical Clubs; S. T. Piza, Circle Francais; T. D. Parsons, Rifle Club, and N. E. Kimble, T. C. A.

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