

# THE TECH

## DAILY

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PRICE ONE CENT

### FIELD DAY DINNER A BIG SUCCESS

#### Pres. Maclaurin Approves Of Athletics---Hopes For A Crew

Seventy-three men enjoyed the dinner Saturday evening, given to the contestants of Field Day, which commenced promptly at seven o'clock. Between the third and fourth courses Major Briggs, who acted as chairman, announced that according to custom the Field Day cup would be passed from man to man and, each before sipping should tell who he was and from where he came. The cup was then started. President Maclaurin was the first to drink. After this the dinner was finished. Major Briggs presented the pigskin to the captain of the victorious football team, who upon receiving it gave a short speech on the merits of the 1913 football team, with especial reference to Mr. Goff, who comes from Princeton. He, though somewhat surprised by the suddenness of the invitation, responded.

President Maclaurin was next called upon. He mentioned the fact that it was his first dinner with the underclassmen and expressed his pleasure in being present. He said he was pleased at the way in which hostilities between the two lower classes were dispensed with on Field Day, and that he thought it was much better to show Anglo-Saxon spirit by depending upon athletic prowess rather than on brute strength. He concluded by saying that he thought it the duty of every man to help athletics at the Institute, not by talk, but by taking some active part. He expressed his hope that some day he might see a Technology crew on the Charles.

Major Briggs gave a short resume of the formation of and advisory council and on how Field Day was brought about. He said we did not need individual stars at the Institute so much as an all-around good team, though stars were helpful nevertheless.

Dean Burton next spoke a few words to the effect that he regarded this as the best Field Day he has ever witnessed. He said credit is due to both classes, that it was virtually a victory for both since both put up a grand fight.

Following this the party broke up with a round of cheers for President Maclaurin, Major Briggs, Dean Burton, the various teams and the two classes.

### FOOTBALL RESULTS

At Stadium—Harvard, 18; Cornell, 0.  
At New Haven—Yale, 23; Brown, 0.  
At Princeton—Dartmouth, 6; Princeton, 6.

At Exeter—Andover, 3; Exeter, 0.  
At Philadelphia—Pennsylvania, 6; Lafayette, 6.

At Syracuse—Syracuse, 5; Tufts, 0.  
At Middletown—Williams, 7; Wesleyan, 6.

At Amherst—Vermont, 5; Amherst, 0.  
At Annapolis—Navy, 0; Washington and Jefferson, 0.

At Orono—Colby, 17; Maine, 6.  
At Lewiston—Bowdoin, 6; Bates, 0.  
At Ann Arbor—Notre Dame, 11; Michigan, 3.

At Hartford—Trinity, 64; Storrs, 0.  
At Swarthmore—Villa Nova, 19; Swarthmore, 0.

At Washington—Carlisle, 9; George Washington, 5.

At Chicago—Chicago, 34; Northwestern, 0.

At Lewisburg—Penn. State, 33; Bucknell, 0.  
At Worcester—Worcester Academy, 11; Harvard Freshmen, 6.

### GYM WORK STARTS THIS AFTERNOON

#### Exercising To Time Set By Piano---Innovation This Year

This afternoon at three o'clock, the first freshmen exercises in gymnasium work will be held. The work this year will be run on different lines from that of last year. Coach F. M. Kanaly of the track team has charge of the gymnasium work, and he will be ably assisted by Mr. J. J. McNamara, who has had many years of experience in this kind of work.

An innovation this year will be doing the work to music. The music will be furnished by Miss Eed on the piano. This will tend to make the work more pleasant and will produce perfect system which is an essential feature in gymnasium work.

The work is to be divided between the two instructors in the following way:

One day Mr. McNamara will go through the first exercises in dumb bells, etc., and then the class will be divided into squads and each instructor will take one. One the next day, Coach Kanaly will take the first exercise and they both will work on the apparatus.

On account of the large number of men in the freshmen class this year, the different sections will be quite crowded and if any upperclassmen intend taking this work, they will have to take one of the small classes which come the last part of the week.

The classes will be made up as follows:

Mondays, sections 1, 3, 5, 11, 15, 17, 19 and 21; Tuesday, sections 1, 2, 3, 4, 5, 12, 13, 14, 15, 16, 17 and 19; Wednesday, sections 4, 6, 7, 9, 11, 16, 18, 20, 21 and 22; Thursday, sections 2, 6, 7, 8, 9, 10, 13, 14, 18, 20 and 22; Friday, sections 8, 10, 12. On Wednesday the work will begin at 3:30 and continue until 4:30. On the other days, it will be from 3:00 to 4:00. All men will be expected to report promptly.

Work for these men who are substituting track, will begin at once. It will be road work until the weather fences the men indoors.

### HARE AND HOUNDS

#### Held At West Roxbury. Few Men Report. Run Next Saturday

Saturday afternoon the weekly hare and hound run was held in West Roxbury. The run was over the handicap course and offered an excellent opportunity for the men to practice for the handicap race to be held the last of this month.

It was a great surprise to Coach Kanaly to see how few men showed up, especially among the freshmen, none of whom ran Saturday.

Coach Kanaly ran with the men all the way. Those who ran were Foster Russell 1911, N. Rausahoff 1910, E. W. DeWitt 1911, R. M. Ferry 1912, L. O. Mills 1911, and C. P. Eldred 1911.

Next Sunday all men interested in the handicap race will have a chance to walk over the course with some men who know it thoroughly. There will also be a run Saturday. Watch the bulletin boards.

### HARRIMAN ENGINES ENTIRELY NEW TYPE

#### Two Models On Exhibition In Basement Of Pierce Building

An entirely new type of prime movers may be seen every day in the basement of the Pierce building. Two Harriman rotary engines are on exhibition. One is operated by steam and develops 25 H. P., while the other is equipped for either gasoline or illuminating gas.

The construction is very simple. A cylindrical piston or rotor, as it is called, is keyed to the shaft eccentrically within a cylindrical "rotor case." As the steam enters from the inlet valve it pushes against the rotor which is forced against the side of the case, thus confining the steam, which by expanding, forces the rotor around nearly an entire revolution, until the exhaust valve is reached. At this point the steam is allowed to leave the rotor case and can be exhausted into the air, a condenser, or used again in a similar low pressure cylinder.

The original cost of these engines is much lower than that of reciprocal engines of the same rating and they are more efficient. The inventor claims that they require less lubrication and attention than other engines, together with lower cost of operation. They possess several distinct advantages over the turbines, especially in the utilization of the expansive force of steam. The weight per horse-power is much less than in other types of engines and there is less wear.

The first successful internal combustion rotary engine is also on exhibition. The principle of operation is identical, except, of course, that the rotor is forced around by the explosion of the mixture instead of the steam. When gasoline is used, a compressor is necessary to produce the compression in the rotor case, this is not necessary, however, when illuminating gas from the street mains is used. This engine is only a small model and develops little power, but it is exceedingly interesting, illustrating, as it does, one invention in power development.

The theoretical principle of rotary engines is not new, but Mr. Harriman is the first inventor to successfully meet the mechanical difficulties involved in the actual construction of the rotors. The models are practically noiseless, in spite of the fact that no mufflers are employed, and there is little vibration.

### TENNIS FINALS

By defeating P. M. Wentworth 1909, in three straight sets last Saturday, F. W. Coville 1911, won the Fall Tennis Tournament.

This was the last round of singles. The following is a summary of the finals and semi-finals:—

Parker won from Keith by default. Coville defeated Harkness, 6-1, 6-4. Lawton defeated Kerr, 6-4, 7-5. Wentworth defeated Flansburg, 6-2, 6-0. Coville defeated Parker, 7-9, 6-2, 6-3. Wentworth defeated Lawton, 4-6, 6-1, 6-4. Finals—Coville defeated Wentworth, 6-3, 10-8, 6-2.

### 1910 CLASS MEETING

There will be a meeting of the senior class in Huntington Hall, at one o'clock, on Wednesday. The class assessment for this term and the matter of a class dinner will come up, so that it is important that every member of the class be present.

### MORE CANDIDATES NEEDED FOR THE TECH

#### Positions Open In The Many Depots---Excellent Chance For New Men

For a second time this year, The Tech makes an appeal for candidates to the various positions it has to offer. To those who have recently given their energies to the class teams for Field Day this call in particular applies, for they, much more than those who have done little else than the eternal grind, realize the benefits of student activities.

Unlike many of the activities, The Tech does not go on the year basis. It is a continuous organization. All appointments are made on the basis of the most consistently good work done by those in line for the position. There are five steps in the progression, from either in the business or news candidates to that of General Manager. After a certain number of points, determined by quality and quantity, have been reached, the election to the staff is announced and then comes the selection of the associate, who has direct control over some part of the work of publication. From the associates are selected the board members, who are the directors of the paper and who select the different heads.

This scheme of organization gives an experience in an embryo business that allows of all the originality and capabilities that one is willing to put into it without any of the drawbacks of slow results or disastrous results of bad experiments met with in after life.

There is even more in this storehouse of experience of directing and doing things. There are the benefits right at hand of a useful diversion from studies, and in the personal contact with those who are doing things, either in the business world, if working on the business end, or with those who are or will be doing things, among those here at the Institute, if working on the news end.

There are positions now open in the advertising, circulation, and news departments and besides the recently undertaken art work. Pick out the line most suited to your capabilities or desires and get in the work right now. The sooner you start the further you will get. See those in charge of your desired line in the upper Tech office daily, from 1:45 to 2:00 P. M.

### CATHOLIC CLUB

#### Rev. Michael Scanlon To Address Members on Spiritualism

On Wednesday, Rev. Father Michael J. Scanlon will address the members of the Catholic Club on Spiritualism, in the small room in the Union, at 8:15.

Father Scanlon graduated from Boston College in 1895 and took post graduate work at Georgetown. After teaching for two years in Washington, D. C., he commenced his clerical studies in the historical Gregonian University at Rome. He is a proficient scholar and a lecturer of note. His subject, Spiritualism, will be most instructive as well as interesting, dealing as it does with the strange phenomena of the unseen world and expounding the ethical principles which should guide us in the matter of these mysterious manifestations.