

TECH FRESHMEN DEFEAT MOSES BROWN HARRIERS

Meet Held Last Wednesday at Franklin Park Over Three and One-Half Mile Course — All Freshmen Finish But One — MacMahon Finishes First

TIME TWENTY-TWO FIVE

Last Wednesday afternoon, the freshmen cross-country team defeated a team from the Moses Brown School of Providence. The race was over the three and a half mile course at Franklin Park. According to the Moses Brown unique method of scoring, the freshmen won by a 14-26 score; but by the N. E. I. A. A. system, the score was 14-32. MacMahon, '20, finished first, covering the course in twenty-two minutes and five seconds. This is close to the time of the N. E. I. A. A. run over the same course a fortnight ago. Of the six visitors to enter, four finished, taking third, fourth, twelfth and thirteenth places. The freshmen entered twelve men, eleven of whom finished. The failure of the other man to complete the run was due to a strained ankle received during the run. This is the only victory of any sort that the Tech harriers have secured this season. If it is possible to get more dates, the freshmen will run as long as the ground permits. The order in which the men finished Wednesday follows:

Name and School	Time
1. W. K. MacMahon (Tech '20)	22.05
2. W. R. Handy (Tech '20)	22.47
3. L. Dorsey (Moses Brown)	23.04
4. H. Goss (Moses Brown)	23.04
5. A. S. Myers (Tech '20)	23.47
6. G. L. Hall (Tech '20)	23.48
7. G. W. Lavange (Tech '20)	23.54
8. H. R. Couch (Tech '20)	24.40
9. H. R. Dorr (Tech '20)	24.50
10. F. L. Bradley (Tech '20)	24.54
11. A. W. Miller (Tech '20)	24.58
12. C. T. Jones (Moses Brown)	25.05
13. B. Ewen (Moses Brown)	25.08
14. J. D. Rockefeller (Tech '20)	25.12
15. J. H. Coyle (Tech '20)	25.14

NEW FOUNDRY BUILDING

Will Be Completely Equipped for Courses in Forging and Foundry

The new yellow brick building which is being erected between Massachusetts Avenue and the Technology Power Station is the new Foundry and Shop building. It will be two stories above the ground with a basement containing locker rooms, laundry, pipe fitters' and electricians' shop, and storage for the Mechanical Engineering Department. About one-half the first floor will be used by the Service Department for a carpenter shop, the remainder being fitted for a Forge Shop. There will be twenty-seven forge units consisting of a forge, an anvil and a tool rack. The forges are equipped with blast and exhaust from a combination machine in the basement. There is a drop hammer driven by a 15 horse-power motor; also a power hammer, shears, emery grinder and grindstone driven by a 10 horse-power motor. An instructor's forge, as well as a power hammer, will be placed in a lecture room capable of seating twenty-eight men.

A small part of the second floor will be used as a Print Shop for the Service Department. The rest of the second floor is for the Foundry. There will be thirty-six benches here, placed so as to get all the light possible. A cleaning room, core room, brass furnaces and a tool and pattern room complete the second floor equipment. Air is supplied to two cupolas of one-half and one ton capacity by blowers located in the Charging room on the roof. Adjoining the Charging room is a large lecture hall which may be reached by an elevator.

CHEMICAL SOCIETY

Men Take Second Trip to Plant of American Sugar Refinery

As a result of the popularity of the trip taken by the Chemical Society to the plant of the American Sugar Refining Company several weeks ago, another trip was taken yesterday by those unable to take the first one.

Upon arriving at the plant they first visited the store-house where the raw sugar imported from Cuba and the Philippines is kept. From there they proceeded to the melt-house where the raw material is washed and dissolved in hot water. Here, also, the men had the opportunity of seeing impurities removed by the precipitation of calcium phosphate. This precipitate is then removed by bag filtration. From the melt-house the men went to the filter-house, where the sugar is run through large bone-charcoal filters.

The final step in purification was by crystallization in vacuum-pans. The finished product was then packed by automatic machines.

There will be one or two trips taken by the society next week, definite announcements of which will appear in Monday's Tech.

OARSMEN OUT MONDAY

Meeting of Candidates for Crews Monday Noon in 4-108

The Technology Rowing Association will hold a mass meeting for all oarsmen in the Institute Monday at 1.30 o'clock in Room 4-108, when the plans for the winter and spring seasons will be announced. Every man in Technology interested in rowing is invited to be present at the meeting, when some important matters will be decided.

The plans for winter training of the oarsmen include some rowing on machines which will be set up inside of buildings adjacent to lockers and showers. Very little time will be required from the men until Spring.

The crew management has arranged for class races during the Spring as well as some races with Harvard's graded crews, and perhaps a trip for a crew picked from the class crews. While the Advisory Council has objected to making crew a varsity sport, the Rowing Association will be able to enter races with crews picked from the members of the association who have rowed in the class crews. The members of the winning crew in the Spring class races will be awarded their numerals by the M. I. T. A. A.

The competition for manager of the crews will end on Dec. 11, when the various managers from the three upper classes will be named.

THE NEW GYM

Will Be Ready for Occupancy Next Fall with Best Equipment Obtainable

The new gym in the Walker Memorial will be ready for use by next Fall. Coach Kanaly says that it will be the best equipped gym in the country when completed. It will be on the third floor and will be 100x85 feet, so that there will be no lack of room as heretofore. It will have three sets of equipment so that three classes can be accommodated at the same time. All of the equipment is being furnished by the Narragansett Machine Co. and is the best that can be obtained.

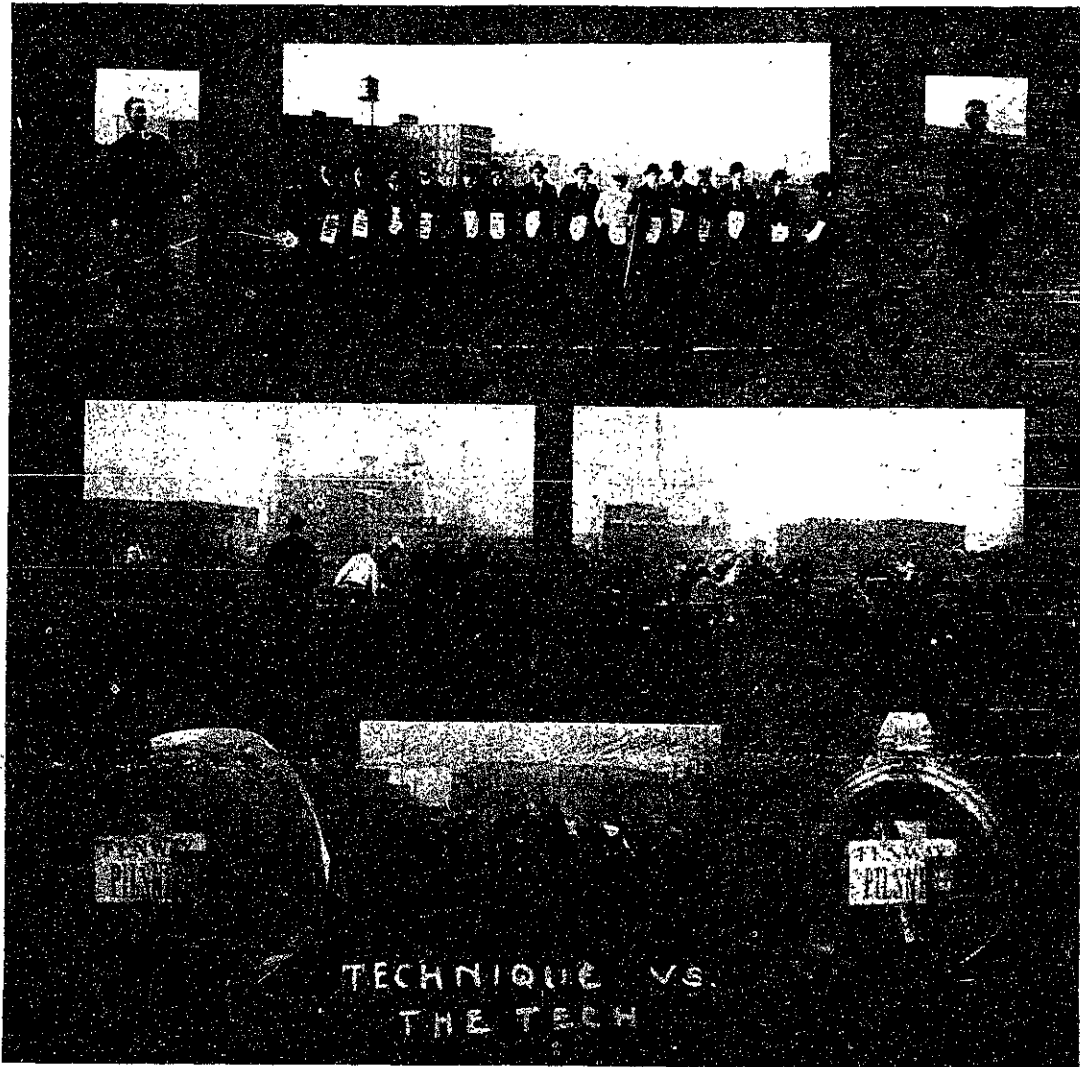
THE TECH FACES COMPETITION

Since the demise of "The Morgue," another publication has arisen to compete with The Tech. It is published bi-weekly by the students of Course IV, and is known by the name 4-D, after the well-known Henry Ford. The paper is carefully scribbled on tissue paper, while the editor-in-chief is XYZ. Despite the heavy cost of production, no charge is made and every Ford man is entitled to a copy. The paper abounds with clever sayings and beauty hints, but is occasionally lacking in news. At present the periodical is backing an attempt to have inter-section debates by means of the English department.

CURTIN IN PERU THIS YEAR AND WILL NOT BE IN TECH LINE-UP

Historic Classic Will be Held Today on Tech Field — Ritual at 2.30 — Last Rites After the Game

FEW SEATS REMAIN—FRESHMEN MUST ATTEND



LAST YEAR'S TECH-TECHNIQUE HOLOCAUST

Three-quarters of Technology have applied for reservations for this afternoon's famous classic on Tech Field at 2.30. The only remaining seats are in the technique cheering section which is deemed undesirable owing to the Monthly Club which intends to sit bodily in this section. Attendance on the part of all freshmen is required and roll will be called.

All seats are free on application at the office of Mr. John Ritchie, Jr. (Building 3), Advisory Coach of The

Tech's veteran line. Mr. Ritchie's hours are by appointment only, but messages may be left with the telephone operator. All of Technology's prominent Faculty members have signified their intention of having a previous engagement and the Faculty cheering section will be turned over this year to Tech Show and the Tennis Team. The probable lineup of The Tech team includes Coach Littlefield, Captain Shippey and ex-Captain Bell. "Yank" Wooten (in person) and sev-

eral other members of the Managing Board (by proxy). Coach Littlefield announced late last evening that he was unable to make any statements concerning the lineup, except that there will probably be at least five completely different teams placed on the field during each period. He has decided that the old system employed in last year's sweeping victory over the technicians will do about as well as

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T. C. A. RELIEF CAMPAIGN

The first returns of the campaign for the purpose of providing funds for students located in the prison camps of the countries in Europe which are now at war, have a very promising outlook. The T. C. A. gives out the report that the fund being raised at Technology will soon be comparable to that which was raised in other colleges. Fifty men have been appointed as solicitors and of these only five have handed in their reports. These five solicitors have gathered over \$200 since last Tuesday. It might be of interest to note that twenty of the contributions were amounts of five dollars. There were several donations of ten dollars each. The sums which were given ranged from ten cents to ten dollars, which gives evidence that the students are all trying to give at least something even though the sums be small. It is a proven fact the more that is raised for outside organizations the more can be raised for purposes connected with the home organization.

PROM NOMINATIONS CLOSE

This afternoon at 5 o'clock all nominations for the Junior Prom Committee are required to be in. The papers will be left at the Caf. and should be signed by at least ten men. All voters and voters must have paid their class dues. The nomination papers should contain not only the name of the nominee, but also a list of the undergraduate offices he has held, as well as his society and fraternity memberships.

The number of nomination papers which have been circulating around drawing and class rooms yesterday afternoon indicated that there will be a great deal of competition for the place on this committee. The President of the Junior class is a member ex-officio and in addition there should be four other committeemen elected. In case of a tie for fourth place, all men tie-ups make the committee.

SPECIAL NOTICE

All members of the freshman class are required to be present at Tech Field at 2 o'clock today. Roll will be taken REGISTER.

ALL MEMBERS AND CANDIDATES FOR THE NEWS AND BUSINESS DEPARTMENTS OF THE TECH ARE REQUIRED TO BE PRESENT AT THE TECH FIELD TODAY AT 2 O'CLOCK. ABSENTEES WHO CANNOT SHOW EXCELLENT CAUSE FOR SUCH DELINQUENCIES WILL BE DROPPED.

THERE WILL BE A NEWS MEETING OF THE TECH IN THE TECH OFFICE MONDAY, DEC. 4. MEMBERS OF THE NEWS STAFF AND FREEMAN CANDIDATES ARE REQUIRED TO BE PRESENT

CALENDAR

- Saturday, December 2, 1916
- 1.00 P. M.—Close of nominations for 1916 Baseball Manager, Due at Tech Office.
 - 2.00 P. M.—Preliminary tryouts for The Tech Football Team.
 - 2.30 P. M.—Tech slaughters technicians at Athletic Field.
 - 5.00 P. M.—Close of nominations for Junior Prom Committee. Due at Caf.

First Big Reason for Dec. 7—FOUNDER'S DAY—"Smith"
Hall, Room 10-250, at 8—Guess the Other Reason