CIVIL EXAMINE 
PAINE BUILDING
Saturday's Trip Successful—Another Awaits For Next Saturday.

In spite of its short distance, the trip which the Civil Engineering Society took last Saturday proved one of the most successful ever to the entire group. The trip was made to the building under construction on St. James Avenue, for the Pain Furniture Company. The building is of thoroughly up-to-date construction, and ten stories high, and reaches the building limit of 150 feet. Through the courtesy of Mr. N. C. Kilcarr, Chief Engineer, the structure was viewed and its construction explained from bottom to top.

The basement of the building, being below the water level, is done in concrete, and concrete blocks two feet in diameter, for the support of the upper parts of the structure. They are evenly spaced, and at this level the main truck to take the weight off the floor beams above. The floors are of six-inch reinforced concrete slabs, over which one-to-one mixtures of clenders and cement are laid. Embedded in this stone are two-inch timber for the flooring.

The inside concrete columns are especially fine. The entire weight of the side walls is supported by steel columns which stop at the eighth floor. The whole building is a sample of the latest and best in architecture and engineering and the men for well repaid for their bravling of the rain.

Owing to the fact that many men were unable to take this trip, another has been arranged for next Saturday. No sign-up sheet will be posted, but men will assemble at two o'clock at the left of Engineering A. The annual meeting of the Society will be held some time during the second week in November. A talk will be given on the history of the Pier, now under construction, and a trip to a pier will be arranged.

Glee Club Rehearsals
Men Urged To Attend Regularly—Final Cats By Nov. 11.

The Glee Club is holding regular semi-weekly rehearsals every Tuesday and Friday at 5:00 P. M. in Room B in the Union. A time limit has been placed upon the payment of club dues. These must be in by Nov. 11, the date of the first concert, and it is requested by the officers that this matter be attended to at once.

All men are notified that if they report regularly for these rehearsals they will thereby stand a better chance of surviving the final cut. This final cut will come shortly before the first concert. Twenty-five men will be retained.

MacRae, the captain of the Dartmouth cross-country team and brother of the former Tech runner, was the first man in the Dartmouth-U. of Maine race.

Several B. A. A. runners are in evidence daily on the Tech track.

ONE MILE HANDICAP 
AT THE FIELD TODAY

Two Mile Tomorrow—Cross-Country Team To Meet B. A. A. Saturday.

Next Saturday the Annuall Fall Handicap Meet will be held at Tech in Brooklyn. All the regular events with the exception of the two distance runs will be run off and, beginning on Friday, Dow will run off two events for the B. A. A. and Technology. Because of this Annual meet it has been decided to run the mile this afternoon at 4:30 and the two-mile tomorrow at the same hour, for the bulk of the entries for these events is made up of cross-country men.

The cross-country run next Saturday will not only be a friendly contest between the Chas. City Chas, and will also serve as the trials for the team which is to represent M. I. T. against Holy Cross. This team is to be formed from the B. A. A.'s and Technology. For this contest a new men will be picked, and from these the team picked to run in the N. E. L. C. will be chosen.

The handicap meet has been postponed entry books are still open and entries will be received until Thursday night. Coach Kansly hopes that more men will come out for the weight contests, which were so weak in the number of entries last Saturday. The trials and handicaps for the mile follow:

One-mile—Henson, scratch; C. Kool, 8:25; F. Brown, 8:27; Will-kins, 45 yards; Hadlee, 73 yards; Pol- lard, 80 yards; Brock, 125 yards; Gray, 141 yards; Carrier, 143 yards; Roberts, 150 yards; Parker, 149 yards; Soy- wood, 149 yards.

MAN. EDITOR CONTEST
Candiates Will Meet In Lower Tech Office Tomorrow.

The candidates for the position of Managing Editor of THE TECH, who are still in the competition, will meet the editor-in-chief, E. A. Weaver, and A. H. Waiter, who will have charge of the contest in the lower office of THE TECH tomorrow noon at 1:30. At this time the work will be outlined and the men will be instructed in their duties.

OSMOPOLITAN CLUB 
Business Meeting In The Union At Five Tomorrow.

There will be an important business meeting of the Cosmopolitan Club in the Union, Room A., at 5:00 P. M. tomorrow. This meeting is for the members as well as the officers of the Club. At this meeting a second vice-president will be elected. The program for the year will be also be ruled, and therefore President Chow requests every national chapter to be present or have some one represent him at the meeting.

Three hundred seats gone the first day looks like a big night on Nov. 7.

FIELD DAY PROSPECTS
ARE CLEARING UP

1916 Men Divided Into Two Teams For Practicable Union Results Shown.

Football.
Coach Cuddy divided the squad into two teams yesterday, A and B. Both of these had signal practice for about fifteen minutes. Team B was composed of last nine men, as only twenty were out for practice, but nevertheless the two teams were set against each other and a first rate scrimmage followed. Team A was composed of the majority of the first string men, and gained almost as well as will be the first part of the scrimmage. Later, the defense stiffened, and smaller gains resulted. The ball was not given to Team B during the entire scrimmage.

The kick field of Team A showed greater speed than in any previous practice, and the ease with which it gained the field was due to the weight here but the speed has been lacking. Among the new candidates was Krigger, the star tackle on the Tech team. He showed great speed and when called upon to take the ball made large gains.

The teams lined up as follows:

Team A—Hubbard, 1 c; Hill, r t; Burford, r c; Emmett, r; Krigger, r t; Stowell, 1 t; Allen, 1 e; Drewson, r h b; Jett, q b.

Team B—Duffy, 1 c; Clarkison, 1 t; Drummer, 1 s; Smart, e; Thrasher, r q; Reynolds, r; Reper, r t; Simpson, 1 h b.

(Continued on page 2.)

EDITORIAL CONTEST
The next editorial of the Phi Delta Epsilon contest will be due at 3 o'clock on Friday. They should be turned in at the Cage. The subject will be optional with the writer, but it shall be the same for the whole of the contest, and the Committee hopes that more men will write than those in the last one. Too few have come out so far.

WEATHER
For Boston and vicinity: Tuesday, unsettled, probably rain: moderate variable winds.

CALENDAR
Tuesday, Oct. 28, 1913.
1.00—Tech Night Ticket Sale—Roberts.
4.00—1917 Relay Team—Field.
4.10—1917 Football Team—Oval.
4.10—1917 Tennis Team—Field.
4.00—1916 Relay Team—Field.
4.00—1916 Twg-of-War—Gym.
4.10—Handicaps Two Mile Run—Field.
7.15—St. Andrew Meeting.
Wednesday, Oct. 29, 1913.
1.00—Basketball Team—3.
1.30—Economics Club—9 Eng. C.
4.10—Handicaps Two Mile Run—Field.
5.00—Cosmopolitan Club Business Meeting—Field.
8.10—Mining Eng. Society Meeting—Union.
ENGINEERING AND SCIENTIFIC NOTES

Have you ever been caught in the suction of a passing steamer when you were out in a rowboat or in your little skiff and been whirled violently around, narrowly escaping an upset? Perhaps, if so, or if you are interested in matters of navigation, you will be interested to read an article appearing in the Scientific American Supplement for Oct. 25th by Messrs. A. H. Gibson and J. H. Thompson, in which a series of experiments on the suction action of passing ships which they carried on between a steam yacht of 101 ft. length and a motor launch of 30 feet. The article is written up in considerable detail and presents valuable nautical information. We quote a few interesting statements from the conclusions:

"When a body in shape of a ship is towed through still water both the ship and boat show a tendency to draw the water into the stern but the stronger effect is due to the ship. This effect is accentuated when two vessels are adjacent. The suction and backwash is more pronounced with the ship of larger draught.

An interesting point is the effect of the wake of a passing ship on a smaller vessel. This effect is accentuated when the smaller vessel is ahead of the larger vessel. The effect of the wake is to increase the resistance of the smaller vessel and to cause the smaller vessel to be lifted higher out of the water. The effect is more pronounced with the smaller vessel ahead of the larger vessel.

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These results are in agreement with the observations of Mr. A. H. Gibson and Mr. J. H. Thompson. They have observed that the suction and backwash are more pronounced with the smaller vessel ahead of the larger vessel and that the effect is more pronounced with the smaller vessel ahead of the larger vessel.

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MECHANIC ARTS HIGH SCHOOL CLUB SMOKER

First Meeting Of The Year To Be Held In Union Friday, November 14th.

The meeting of the Mechanic Arts High School Club which was to be held next Friday has, because of the inconvenience of the night, been postponed until Friday, November 15th. This will be the first meeting of the year, and at it the matter of securing tickets for the Mechanic Arts-Dorchester High Football game on Thanksgiving Day will be taken up. In the past it has been the custom for the members of the Club to go to the game in a body, and it is likely that the custom will be followed this year. After the business meeting the evening will be spent socially and plenty of free "eats and smokes" will be available.

All men who have not yet secured their membership are requested to do so as soon as possible. They may obtain them from C. L. Hall '15, H. Rogan '15, G. W. Wyman '16, G. P. Allen '16, and Joslyn '17.

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PHYSICAL LABORATORY NOTE-BOOKS

Students desiring to obtain their physical laboratory notebooks are requested to call for them at once in Room 16, Walker. All books remaining unclaimed after November 1st will be confiscated.

H. M. Goodman.

ALTERATIONS OF SECOND-HAND UNIFORMS

A representative of the uniform contractors will be at the Armory during the Wednesday drill periods, Oct. 22 and Oct. 29, to take charge of all parts of uniforms requiring alteration as to fit or ornamentation. Students are at liberty to have the work done anywhere providing it is done properly but arrangement has been made to have this work done by the contractor at rates which are reasonable and probably cheaper than those charged elsewhere. This work should be attended to at once as when new uniforms arrive the workmen will have all their time occupied by work on them and excelsior will not be accepted for work delayed through carelessness. The address for employment for this work is James Greatorex, No. 27 dress of the tailor employed for the uniforms. As when the new uniforms arrive the alteration as to fit or ornamentation.

Oct. 22 and Oct. 29, to take charge of the uniforms of the students during the Wednesday drill periods, will be

Room 16, Walker.

All books remaining unclaimed after November 1st will be confiscated.

H. M. Goodman.

THE TECH, BOSTON, MASS., OCTOBER 28, 1913.

FORMER INSTITUTE MAN ACCEPTS HIGH POSITION


The appointment of Hollis Godfrey, a former Institute man, to the position of President of the Drexel Institute of Art, Science, and Industry in Philadelphia, reflects credit not only on Mr. Godfrey, but on the Institute as well, because it was here that he did his more advanced work in preparation for his profession. The Institute of Art is one of the most important organizations of its kind in the country. It is a vocational school, fitting young men and women for practical work of different kinds. Founded about a quarter of a century ago, it now ranks as a training school of the same character as the Institute of Art, in Philadelphia, reflects credit not only on the Institute as well, because it was here that he did his more advanced work in preparation for his profession. The Institute of Art is one of the most important organizations of its kind in the country. It is a vocational school, fitting young men and women for practical work of different kinds. Founded about a quarter of a century ago, it now ranks as a training school of the same character.

Mr. Godfrey received the degree of Ph.B. from Tufts, in 1895, and took up post-graduate work at the Institute in the years 1896-97. He was Principal of the High School in Dedham, and head of the science work in Boston School of Practical Arts. In later years he has given much attention to municipal engineering and industrial hygiene, and has written several books on scientific studies and public health.

About a year ago he was selected by Mayor Blakelee of Philadelphia to be Chief of the Bureau of Lighting. Since that time he has been occupied with placing the lighting system of the city on a more efficient basis, with the result that Philadelphia is today probably as well lighted as any city in the country. One of his plans for improving the illuminating system was a test on the performances of different kinds of lights. He carried out this test with lights which were working under actual conditions.

Mr. Godfrey is not the only Tech man who is at the head of a vocational school. Walter B. Russell '97 is Director of the Franklin Union in this city, a school of the same character as the Institute of Art, in Philadelphia. The Wentworth Institute in Boston, a similar school, is in the direction of Arthur L. Williston '89; The Cooper Union in New York, the largest vocational school in the country, is directed by C. L. R. Richards '83.

PROGRESSIVE CLUB

First Meeting Held Thursday—Officers To Be Elected.

Thursday room at one o'clock the Progressive Club of M. I. T. will hold its first meeting of the term in Room A of the Union. The annual election of officers will be held and a discussion will follow in which the plans and work in connection with the state Progressive headquarters will be considered. It is expected that all members of the club will be present, and all others interested in the Progressive movement. Men need not be voters to be eligible for membership. The meeting will take up but a short time, so that the men will not be inconvenienced during the noon hour.

MANDOLIN CLUB

The Mandolin Club held its regular rehearsal yesterday afternoon in the Union, and the members are working hard in preparation for the first concert which is only two weeks away. The Winter Concert will probably be held on December 16th in Copley Hall, although no definite action has been taken. Some new music will be given out at the next rehearsal, at which the coach will probably be present.

The Secret of Good Batting is similar to the secret of good business—it happens to some and just misses the others.

If there ever was a commercial home run it's Fatima, the Turkish-blend cigarette. The expert who conceived this blend was some batter! Fatima was first lined out in the college towns—the student body quickly proclaimed them winners. Today Fatima is the biggest selling cigarette in this country.

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STUDENTS PATRONIZE OUR ADVERTISERS

SPECIAL COURSE IN FOOD MICROSCOPY

Industrial Foods and To Be Studied in Biological Department.

Professor Simeon C. Keith, at the special request of Professor Sada- wick, is considering the advisability of giving a short course in the "Use of Microscope in Food Inspection." The question of pure food is one of the most important in biological circles is constantly increasing, and this course will be aimed to give the student some knowledge in the field, in which a microscope can be made of a very valuable. Meetings will be held Thursday and Saturday at 2:15.

ECONOMICS CLUB MEETING TOMORROW

President Kuttner Will Read A Paper—Subject Has Not Been Announced.

President Kuttner of the Economist's Club has announced that tomorrow evening the Club has at last arranged for a definite program. In the belief that the subject of the evening work would be of great interest to the student, they have arranged to bring a speaker before the student body. It is true that this program is being made during the last few weeks to find a man of prominence who could come to the Union some night, but these efforts, owing to the press in the biological circles, have been unsuccessful. In an interview this afternoon, however, a promise was secured from Fred B. Chase of Belmont, State Secretary of the Socialist Party Clubs of Massachusetts, that he would speak shortly after election

COMUNICATION

To the Editor of THE TECH:

It has been customary in past years at the start of every term to blame the Sophomores and Freshmen for lack of consideration of their neighbors and other ungentlemanly conduct in the Union until the word under kussman has become synonymous with the word student. During the last few weeks there have been complaints of students not wearing shoes and of foodstuffs. Most of the time will however, a promise was secured from Fred B. Chase of Belmont, State Secretary of the Socialist Party Clubs of Massachusetts, that he would speak shortly after election.

The Club will hold its first meeting tomorrow afternoon at 4 Eng. C at 1:30 P.M. The President will read a paper on some subject allied to Socialism which he now refuses to name. The next meeting will be held a week later, 11:30 a.m.

CALL FOR NEW IDEAS

The course will be open to men in the third, fourth and graduate years of the Biological Course. It will probably run one hour a week for six weeks. All men interested are requested to meet in 1036 Boylston St. next Thursday.

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