

THE TECH

VOL. XXXIII. NO. 65.

BOSTON, MASS., SATURDAY, NOVEMBER 1, 1913.

PRICE TWO CENTS

FRESHMEN HOPEFUL OF WINNING FIELD DAY

Preparations Well Under Way For Hard Battles Next Friday.

Sophomore Tug-of-War.

The Sophomore Tug-of-War Team held a very successful practice game yesterday afternoon at the Oval. About thirty candidates were out. The first part of the practice consisted in pulling against the pole, while the latter part was devoted entirely to getting starts.

There will be a very important practice at one o'clock at the Gym today. Both Coach Affel and Manager Sully request that every candidate turn up, because in addition to practice on the rope, the men will have their weight and strength tests taken.

1916 Relay.

Yesterday afternoon the 1916 Relay Team had their final trials. The times were good and prospects of a fast race next Friday are bright. The following men made the team: Comiskey, Dean, Goldstein, Guething, Hayes, Hine, Lawrason, Lieber, Loomis, C. S. Reed, Ried and Page. The substitutes are Kitteridge and Lap ham.

These men will meet immediately after the handicap meet this afternoon to elect a captain. The men on the team who have not got their Tech Night tickets will meet Manager Uhlinger in Rogers Corridor at one o'clock this afternoon. Measurements for the suits will be made at the Field on Monday afternoon at 4.30.

General Notice.

Coach Kanaly wants all the men who have made their teams to see their respective managers as soon as possible to arrange a time convenient to the majority of the individual teams to practice together. This is absolutely essential as there are only four more days to practice.

1917 Football.

Dunham, a promising candidate for fullback on the 1917 Team, received a sprained ankle from Thursday's scrimmage, which may keep him out of the game for the rest of the season. This will not prove a great loss. (Continued on page 2.)

THE TECH MEN TO MEET

Matters of Importance will be Discussed at Noon.

There will be a meeting of all the men working on THE TECH today at 12 o'clock in the lower office. All men are requested to be present as matters of importance to all will be brought up and discussed. If it should so happen that some men are unable to be present at noon on account of classes they will find some one in the office between 8:30 and 9:00 A. M. who will explain to them what will be taken up in more detail at the meeting. Again let the importance of this meeting be emphasized and let no one be absent.

TECHNOLOGY VS. B. A. A. CROSS-COUNTRY RACE

M. I. T. Team Is To Be Picked From Results Of Today's Race Over Course.

Technology Cross-Country and B. A. A. teams will leave the Back Bay station at 2.56 this afternoon. They will go to Highland, from where they will race to Tech Field, a distance of a little less than four and a half miles. The first ten men to finish for Technology will compose the team which is to run Holy Cross next week. From these ten the teams for the N. E. I. C. A. A. and the I. C. A. A. A. A. will be picked.

This afternoon the winner of the race will probably be Oscar Hedlund, the well-known B. A. A. runner, although he may not show up as well in the race as he has not done much of this work beyond a run taken last Saturday. Benson '16 and Cook '15 will furnish Hedlund with some close competition and will probably finish within a few seconds of each other. Cook, Silva, Greene, and Mahoney are the other B. A. A. men and will help keep the time down; but there are several Tech men who will not let them have things their own way. Lee '14, Newlin '14, Guething '16, Graff '16, Nye '14, Brown '17, and Donnelly '17 will all finish well, and fast times can be expected.

The finish will be at the Field at about four o'clock, and those who are out at the Meet will see the end of the race.

PROGRESSIVE PARADE

Tech Progressive Club To Parade With Harvard.

Tonight at seven o'clock the Progressive Club is going to join in the big Progressive torchlight parade which starts from Copley Square. Boston University and Harvard are also going to join in the event. Harvard having been making plans for the parade for some time.

The Tech men are to report to Mr. Ward and will be assigned their place in the line by him. Torches, flags and red fire are to be supplied at the square and the Tech club wants every man who can possibly do so to come and swell the Tech contingent and have a good time.

The Progressive Club also wants all men possible to act as checkers at the polls on election day, next Tuesday. Six men have already left their names for the work. Names may be left at the Cage for Progressive Club and the men will be notified about the time and details of the work.

1911 REUNION TONIGHT

The Class of 1911 will hold an informal Reunion Dinner at the Union at 7.30 tonight. There will be some good live speeches, and a general good time is promised. The committee in charge have taken special pains to make this affair as big a one as possible. The price is \$1.50 per plate.

The time for making up "D" gets shorter and shorter.

HANDICAP TRACK MEET FOR THIS AFTERNOON

Captain T. H. Guething Wishes All Participants Present on Time.

At three o'clock this afternoon the Annual Fall Handicap Meet, postponed from last Saturday, will be held at Tech Field in Brookline. With but six days to Field Day and most of the relay men entered in the sprints the races promise to be of exceptional interest. The regular events, with the exception of the mile and two-mile runs, which have already been decided, will all be run off in the order given below in announcing the handicaps. The handicaps for the hurdles and field events are not complete as yet and will be given out at the Field just before the meet.

Wilson is on scratch in both sprints, alone in the hundred, but with O'Hara in the 220. With Loomis, '16 on the two and one half yard line, besides, it is hard to tell who will win the hundred, for the handicaps are generous. No matter who wins these events there is sure to be close competition between the men named.

Guething, scratch man in the 440, has been running regularly and will push the handicap men hard. A close finish will feature the race.

The half mile is the longest distance to be competed and has lost several men because of the Cross-Country race. The hurdles have no many entries but the races promise to be close. The weight events are not drawing the number of entries that they ought and Coach Kanaly hopes that more will come out for this branch of Track Athletics.

The handicaps and order of events follow:

100 Yards; Heats and Finals—Wilson, scratch; Loomis, 21-2 yards; Reed, 71-2 yards; Friend, 5 yards; Day, 6 yards; Sullivan, 7 yards; Erb, 7 yards; K. Dean, 8 yards; Lawrason, 8 yards; Doom, 8 yards; Kennedy, 9 yards; Lawrence, 9 yards; Atmayer, 9 yards.

(Continued on page 4.)

M. E. SOCIETY TRIPS

Members To Inspect Motor Driven Ship California.

Permission has been obtained by the Mechanical Engineering Society to visit the big Scandinavian motor ship, California. This ship has just finished its maiden trip from Sweden, and is at present docked at Pier No. 48, Mystic Wharf, Charlestown. The equipment consists of two large Diesel Internal Combustion Engines, the largest of their type that have ever been installed in a vessel.

In order that all members of the Society may have the opportunity of inspecting the ship and its power plant, two trips have been arranged, the first to start on Saturday afternoon, Nov. 1st, at 2.15 P. M. from Rogers steps, the second on Monday, the time and place to be announced in Monday's TECH.

Professor Riley of the Mechanical Engineering department has consented to accompany the men on the trip. Both of these trips are open to members of the Society only.

INSTITUTE COMMITTEE ELECTS NEW OFFICERS

Scully Chosen Vice-President—Rules For Tech Night Reported.

Yesterday's regular meeting of the Institute Committee was called to order by the new president, A. C. Dorrance. The first business was the election officers for the coming year. F. P. Scully 1915, who was vice-president of his class last year, was chosen vice-president of the Institute Committee. C. W. Wood, member of the Institute Committee from the Junior class, was elected Secretary and Treasurer. For the Executive Committee, L. W. Snow 1914, Treasurer of the Cosmopolitan Club, and E. E. Dawson 1914, Treasurer of Technique, 1914, were chosen.

William Shakespeare, reporting for the 1916 Tech Night Committee, gave the rules which are to govern the conduct of the students at the show on Tech Night. Throwing of confetti and making of all kinds of noise will be allowed, but no cards are to be flipped and no confetti may be thrown onto the stage. Between the acts there will be special program of amusements. Shakespeare also said that the seats on the floor are selling well, but that there has not been a large demand for balcony seats.

A. H. Waitt 1914, T. J. Duffield 1914 and C. P. Fiske 1914, were appointed official cheer leaders of the Institute for Field Day and Tech Night.

A motion was made declaring the sentiment of the Institute Committee to be that the Sophomore Ballot Committee acted in good faith in the recent ballot controversy. The meeting adjourned at 4.30.

Those absent yesterday were: M. E. Langley, W. L. McPherrin, R. W. Wells, and R. D. Salisbury.

TENNIS TOURNAMENT

Today is the last day on which the matches in the first round of the tennis singles can be played off, and President Hurlburt wishes that all the men who are to play will finish up this afternoon.

CATHOLIC CLUB

Nominations for representatives on the Catholic Club Executive Committee from the Classes of 1916 and 1917 should be left at the Cage before noon, Tuesday, November 4th.

The next meeting of the Club will be held Wednesday, November 5th, at six o'clock.

WEATHER

For Boston and vicinity: Fair, continued cold, moderate westerly winds.

CALENDAR

Saturday, Nov. 1, 1913.

2.00—C. E. Trip to Paine Building. Leave from left end of Eng. A.

2.52—Cross-Country Run, Tech vs. B. A. A.—Leave Back Bay.

3.00—Fall Handicap Meet—Field.

7.30—1911 Reunion—Union.

Sunday, November 2, 1913.

3.30—Sunday Commons—Huntington Hall.

THE TECH

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SATURDAY, NOVEMBER 1, 1913.

In Charge of This Issue:

Editor: K. D. Kahn '15.
Assistants—J. K. Heller '16, L. E. Best '15, B. N. Stimets '16, R. B. Palmer '17.

We welcome the innovation of Sunday meetings in Huntington Hall, not because of a religious tendency,—we have none,—but because the present enterprise looks like an endeavor to inject a little common sense into religion—separate it from its ancient encumbrances of superstition, hypocrisy and cant, and put it on an up-to-date practical basis. This is our understanding of Mr. Fleischer's purpose, and we are confident that Tech men who think for themselves on this subject will at least be interested in the undertaking.

Those who keep close watch on Institute affairs will have noticed a situation which could hardly have developed if all concerned had given the proper amount of attention to the doings of Tech at large. On Monday last the announcement was published in THE TECH that the annual Komers dinner would be held on November 14th. The management of Tech Show selected the date with some care and forethought, and made a special request that, in view of the importance of the dinner in Institute affairs, other activities leave this evening open. On the very next day, however, there was published the notice that the Mechanic Arts High School Club had chosen this particular night for its first meeting, and two days later came the announcement that the Cosmopolitan Club would hold a dance on that selfsame November 14th.

The moral of this case is obvious. First, there should be a Calendar Committee, as there was in days of yore, to keep us fully informed of such events as the future is to bring; second, in the absence of such a committee, all activities should read THE TECH sufficiently often so that there would be no danger of any but abso-

ENGINEERING AND SCIENTIFIC NOTES

As an incidental feature of its topographic mapping in the State of Colorado, the United States Geological Survey has established bench marks that have been found of inestimable value by engineers and others who are required to have knowledge of the exact elevation of the locality at which their starting points are founded. From 1896 to 1910, inclusive, the Geological Survey marked more than 1,800 exact elevations in the State. These datum points have been marked by means of tablets, caps on iron posts embedded in the ground, or small metal disks driven into trees, posts, etc., the number stamped with steel dies on the bench marks representing the elevations to the nearest foot as determined by the levelman.

Bulletin 486, which has been issued by the Survey, describes these datum points and gives their exact elevations to the thousandth of a foot. For instance, the datum points on the highest point of Pikes Peak is described as follows:

"Pikes Peak, in monument of rocks on summit of Pikes Peak; aluminum tablet stamped '14107 1906-7,' 14,109.069 feet."

A copy of Bulletin 486 may be obtained free on application to the Director of the United States Geological Survey, Washington, D. C.

In line with the demands of the Interstate Commerce Commission that the railroads of the country must develop a signal system automatically to stop trains and prevent collisions the Queen and Crescent Railroad at Cincinnati the other day gave an official demonstration of a new cab signal and automatic train stop system over a railroad division under actual service conditions. The inventor has been developing his system to answer the signal requirements for daily service over 114 miles of track on the Queen and Crescent for more than a year past and has succeeded, it is said, to the point of practical efficiency that is required in the daily operation of trains. Signals by the system are produced inside the engine cab, operating through track circuits instead of compelling an engineer to crane his neck outside the cab in his efforts correctly to read and follow wayside signals. The system has the further advantage of applying the brakes and automatically stopping the train under danger conditions if the engineer should for any reason fail in his duty. The official test of the system covered 160 miles under the severest signal conditions obtainable, running from Ludlow, Ky., to Lexington, Ky., and returning over a water-soaked track. The system, it is said, thoroughly performed its functions as perfectly as the present wayside signal system operates, just as it has done in a service test the past twelve days.

The addition of O'Hara to the Freshman squad has been at last definitely accomplished, and is expected to prove a big help.

lutely necessary conflicts of dates. THE TECH does its best to follow all activities, and if all activities did their best to follow THE TECH, one bad situation at least might be avoided.

We hope that this difficulty will be speedily settled. Which parties should yield must be fairly obvious, and we feel sure that each of them will base that action on recognition of the fact that Tech as a whole is greater and of more import than any of its parts.

CORPORATION INTEREST IN FIELD DAY EVENTS

Two-Thirds Of Seats Reserved For Faculty Applied For Already.

In a recent letter to THE TECH on athletic, and particularly, Field Day topics, Major Briggs states that the Faculty is showing greater interest in Field Day than ever before. The members of the Corporation are also apparently greatly interested. Already more than two-thirds of the seats reserved for these bodies have been applied for.

As an example of this enthusiasm the Major writes that only last Sunday Mr. Desmond Fitzgerald sought him out to learn the date, time and other details of Field Day.

In referring to the student exercises being suspended on November 7th, Major Briggs comments on the Faculty rule made last spring by which the Freshman and Sophomore Laboratories and Drawing rooms will absolutely be closed after twelve noon. No one will be allowed to work there after that time.

The Cross-Country Team, he says, may be sent to the I. C. A. A. A. Championship Meet at New York on the 22d of November. A great deal depends on the way in which the team runs at the N. E. I. C. A. A. Meet at Hanover on the 15th of the month. Major Briggs cites Cornell, Harvard, and the University of Pennsylvania as the "first three" probabilities, with Dartmouth as the chief one to threaten them, although the latter was defeated by the Univ. of Maine Saturday in a dual meet. It is also probable that Dartmouth will round into such shape as to be able to win the New England meet on their own course, although several of the other New England colleges will not be out of it as "threateners."

FIELD DAY EVENTS

(Continued from page 1.)

handicap, however, for Ferguson and Hunt are two good men out for that position.

A Boston expert, who witnessed the game between M. I. T. 1917 and the heavy Lowell Textile, stated that the 1917 Team has undeveloped power. Criticizing the method of play, he stated that the line charges too high; the backs afford no interference for the man with the ball, while the individual work is good.

A waste receptacle in 28 Walker caught fire Friday through some unknown cause. Several Sophomores who were in the room at the time were wildly hunting for sand. Professor Fay stepped up and said: "Why not use water?" The beakerful of water poured upon it sufficed to extinguish it to the apparent amazement of all.

The Sophomores are watching their football team with a good deal of anxiety; most of them believe that the football game will be the deciding issue.

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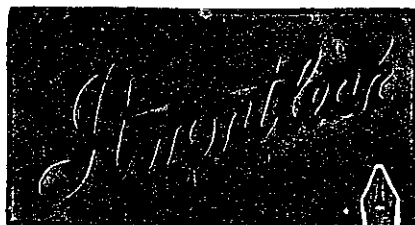
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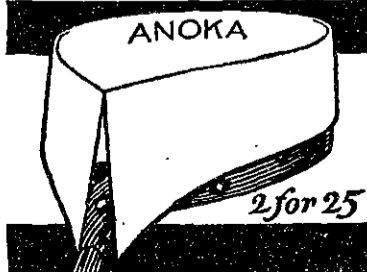
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THIRTY YEARS AGO TODAY

Quotations From THE TECH Of
Oct. 31, 1883.

"The Freshmen now number two hundred and eighteen.

"Advanced German seems coming up in favor. This year Prof. Otis has a class of ten, which is much larger than any of past years.

"We are glad to announce that the Y. M. C. A. will occupy their new building, just across the street, in a few weeks.

"'86 has elected the following class officers: F. L. Locke, president; S. R. Bartlett, secretary; J. P. Lynde, treasurer.

"A new boiler, sixty horse-power, will be placed in the basement of Rogers this week, making an aggregate of two hundred horse-power.

"The football association has elected H. F. Baldwin '84, president; C. F. Spring '85, vice-president; F. B. Richards, secretary and treasurer.

"At its class meeting on Saturday '87 took an informal ballot on the question of giving a Freshman ball. A very small majority was found to be opposed, and the meeting then adjourned without further action. It is probable, however, that the class will give the ball.

"The first year special and the second year regular architects invaded Quincy on Saturday, Oct. 6, in pursuit of knowledge. There were nineteen of them, and as the town was unprepared for their sudden attack it was obliged to surrender at discretion, whereupon the invaders took possession of its treasures, and acquainted themselves with the secret methods of getting out and polishing the beautiful granite of the town."

COLLEGE NOTES

The business of the Harvard Co-operative Society amounted to five hundred thousand dollars last year. A dividend of nine per cent. has been declared, and the \$24,000 profit will be divided among three thousand members.—The Case TECH.

An attempt to have the students of Syracuse University adopt the Honor system was defeated by a majority of 150 votes.

The Freshman-Sophomore games at the University of Michigan were taken by the Universal Film Company for the Pathe Weekly and the Animated Weekly.

Enrollment shows that Columbia is the largest college in the country, having nearly nine thousand students. The University of California is second with seven thousand. Harvard has four thousand, and the University of Michigan has about six thousand.

The new fifteen thousand dollar electric light plant at Ohio University is nearing completion.

Washington and Jefferson has offered a prize of five dollars for the best football song.

The sophomores at Case School of Applied Science succeeded in fastening a huge banner with their numerals painted on it to the top of the 150-ft. ladderless smokestack. The 1917 class with equal ingenuity immediately removed the flag.

Dartmouth has issued a call for volunteers from the upper classes who will comprise a free tutoring bureau for those students who cannot afford a private tutor.

Velvet

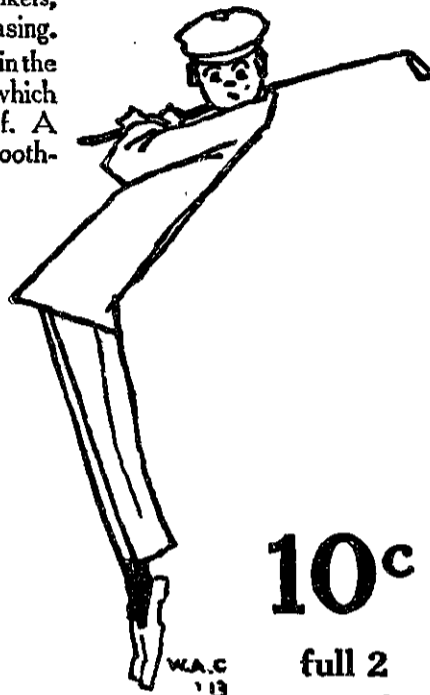
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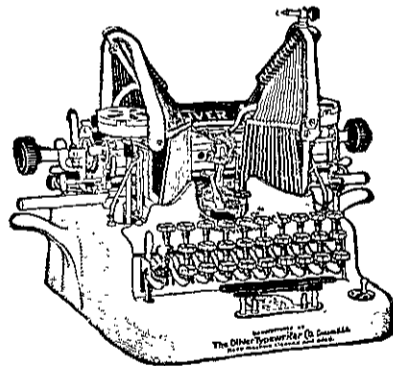
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AT THE

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ZIEGFELD FOLLIES

HOLLIS ST. THEATRE

Evs. 8. Mats. Wed & Sat. at 2.

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FIFTH YEAR DESIGN

W. W. Barrows '13, a graduate student taking Fifth Year Design, and L. C. Rosenberg, a special student, won first and second mention respectively on their treatment of the first problem of the year. The problem was the design of a boating establishment and was treated in a unique manner by both men.

COMMUNICATION

To the Editor of THE TECH:—
Freshmen more than others in the school would appreciate it very much if THE TECH would print more actual information about the activities. For instance, nothing was said about Tech Night at the Shubert until the seats were put on sale. The arrangements for the use of the tennis courts have been continually hinted at, but no definite information has been given as to whether they were entirely unrestricted, or whether membership in a tennis club was necessary. Questions like this continually arise and the answers are not to be found in the "Bible" or "Concerning M. I. T."

Sincerely yours,
A Freshman.

COMMUNICATION

To the Editor of THE TECH:—
Dear Sir—You ask for suggestions that might lead to improvement of THE TECH as a student paper. I believe that I voice a very common undergraduate feeling when I say that THE TECH would be improved materially by your installing a little more life and humor into its columns

Yours sincerely,
A Utopian Sophomore.

COMMUNICATION

To the Editor:—
I am interested to read under your column, "Engineering and Scientific Notes" (Friday, Oct. 31), of the results of measurements on the earth's internal temperature. May I make a correction? It is true that observations have shown that there is an increment of temperature from the earth's surface downward. The rate of increase is estimated within rather wide limits, depending upon several variable factors. If temperature increase alone were to be considered, we should have to regard all rocks as molten at a depth of 40 or 50 miles. But your writer forgets that pressure also increases downward. The pressure increment for the earth as a whole is roughly 12,000 lbs. per sq. in. for every mile of depth, or about 6000 lbs. per sq. in. per mile of depth within 20 or 30 miles of the surface. This increase is believed so far to raise the melting points of the rock-forming minerals, that at any depth the earth is essentially rigid and not molten in any such sense as we understand this word. The rigidity of the earth has been demonstrated by astronomic computations and by the nature of earthquake records.

Yours truly,
Frederic H. Lahec,
Geol. Dept.

TECH NIGHT TICKETS

Today is the last day of the sale of tickets for Tech Night at the Shubert. Although a large number of seats have been sold, there are many good seats which have not been taken. The tickets may be redeemed today in Rogers Corridor.

Many late arrivals are reported on the tug-of-war teams.

HANDICAP MEET

(Continued from page 1.)

yards; Comisky, 6 yards; Guilhot, 10 yards; Child, 11 yards; Lapham, 11 yards; Fletcher, 13 yards.
880 Yards; Finals—K. Dean, 25 yards; Kennedy, 35 yards; Pollard, 40 yards; C. Dean, 45 yards; Lapham, 50 yards; Goldstein, 55 yards; Atkins, 50 yards.

120 Yards; High Hurdles.
440-Yard Run—Guething, scratch; Reed, 10 yards; Loomis, 18 yards; Huff, 18 yards; K. Dean, 20 yards; Baker, 20 yards; Sullivan, 22 yards; Williams, 25 yards; Kennedy, 25 yards; Lieber, 26 yards; C. Dean, 26 yards; Lawrence, 28 yards; Gagon, 32 yards; Roberts, 35 yards; Pyle, 26 yards; Curtis, 15 yards; Comisky, 22 yards; Page, 18 yards; Dodge, 28 yards.

220 Yards; Heats—Wilson, scratch; O'Hara, scratch; Loomis, 4 yards; Reed, 6 yards; Sullivan, 11 yards; Friend, 11 yards; Erb, 13 yards; Lawson, 14 yards; Kennedy, 11 yards; Axtmayer, 17 yards; K. Dean, 18 yards; Lawrence, 20 yards; Lapham, 22 yards; Guilhot, 22 yards; Roberts, 25 yards; Childs, 25 yards; Comisky, 11 yards; Bond, 18 yards.

220 Hurdles—Heats if necessary.
220 Yards—Finals.
220 Hurdles—Finals.
Field Events—High jump, shot put, broad jump, hammer throw, pole vault, discus.

SENIOR JOY RIDE

Class Will Attend Field Day in a Body.

On Field Day the staid and dignified Seniors will celebrate their last opportunity to attend this important function in a body by indulging in a royal and unsurpassed joy ride. The assembled body of talent will leave the palatial entrance of the Copley Plaza on Dartmouth Street at 2 o'clock next Friday. The manner of transportation will be through the medium of the luxurious and ornate electrical vehicles of the Boston Elevated Railway, which will proceed to the nearest point to the Field on the rails or otherwise from whence the multitude will proceed to the scene of contest.*

Tickets for this unusual celebration will be on sale at a very negligible sum at the beginning of the coming week. The members of the pilgrimage will be distinguished by a suitable insignia which will attest to the exceptional honor of the occasion.

*Arrived on the battlefield, they will advance, still en masse, to a sanctified position on the grandstand especially reserved for these gentlemen of distinction.

CIVIL ENG. TRIP

Second Trip To Paine Building This Afternoon.

For the benefit of those men who were unable to take the trip with the Civil Engineering Society last Saturday, another chance to inspect the new building of the Paine Furniture Company, which is being erected on St. James Avenue, will be given this afternoon.

Through the courtesy of Mr. G. R. Kilcarr, Chief Engineer, permission to go over the building, which is of a new and unusual steel and cement construction, has been obtained.

There will be no sign-up slips necessary as before, but all men wishing to take the trip will meet on the steps of Engineering A at 2 o'clock this afternoon.

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