

THE TECH

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BOSTON, MASS., MONDAY, DECEMBER 19, 1910

PRICE TWO CENTS

MESSINA EARTHQUAKE BY PROFESSOR PERRET

Two Theories as to Earthquake
Centre in Straits of
Messina.

REMARKABLE LANTERN SLIDES.

Building Construction Poorly Adapted
to Earthquake Country.

At the extra meeting of the Society of Arts, held Saturday evening in Huntington Hall, Professor Perret delivered an illustrated lecture on the Messina earthquake.

The meeting was opened by Dr. Jaggard of the Institute, who spoke of the notable scientific work in seismology which had been done by Professor Perret.

Professor Perret spoke first of how little was known of the causes of earthquakes and how scientists the world over were now turning their attention to this subject. The freedom now enjoyed by professors in our leading universities, Technology among them, of leaving at very short notice for the scene of a catastrophe is of great aid, as it is possible to be at the scene of an earthquake very soon after its occurrence and study the results and the after-shock at close range.

Scientists agree that the centre of the Messina earthquake was under water in the strait between Italy and Sicily; but there are two theories as to its location in the strait. According to that held by Professor Perret the earthquake waves were sent out radially in all directions, some of them being deflected by a range of mountains in a direction almost at right angles to their initial path. Contrary to popular opinion, there was no general sinking of the land, although sharp slopes and steep banks along the water front were thrown down to a more gradual slope.

The type of building construction used in Messina was one that was very poorly adapted to an earthquake country; the buildings being mostly cheaply constructed of brick and stone, very poorly cemented together. The weakening of walls caused by window openings was very apparent, as in almost every case vertical cracks in walls occurred along a tier of windows.

While stone and brick buildings were completely wrecked, yet less than two per cent. of the monuments in cemeteries were overturned. A peculiar effect shown in many monuments was a rotation of the monument on its base, some being thrown as much as ninety degrees out of their original position. After the earthquake of 1783 an earthquake proof house was devised which consisted of a wooden framework, braced diagonally, in a brick wall, the whole being plastered outside. This type of building stood up very well, but was not in general use.

Professor Perret showed a large number of colored stereopticon slides of the scenes in and around Messina after the earthquake, and of the eruption of Stromboli afterwards. There were two very fine ones of the smoke rings emitted by the volcano, and several of the streams of molten lava.

Fall training for crew candidates has begun at Pennsylvania. The squad is the largest in the history of the Pennsylvania crew.

The two candidates for Junior class president at Wisconsin have announced the respective platforms upon which they will run for office.

"FRENZIED FRENCH"

Edwin C. Vose 1911 and Wellesley J. Seligman 1912 are
the Co. Authors of Tech Show 1911

LYRIC COMPETITION OPENS AT ONCE

Twentieth Century Melodrama chosen by
Management and Coach Sawyer for
this year's Production

"Frenzied French," by Edwin C. Vose, 1911, and Wellesley J. Seligman, 1912, has been selected as this year's Tech Show. The play is an up-to-date two-act musical comedy, the scene of which is laid in the vicinity of Boston. The manuscript gives Coach Sanger ample opportunity to work in some excellent modern stage effects and local coloring. The production calls for a large cast.

Edwin C. Vose is from Newtonville, Mass., and is a Senior in Course XI. He was one of the authors of last



EDWIN C. VOSE, 1911.

year's show and wrote a majority of the lyrics. Vose also wrote three of the best lyrics for Tech Show, 1909. He has worked hard for Tech Shows since his Freshman year, and he is the first man to win the distinction of winning the competition two years in succession.

Although Seligman is well known in the field of athletics, this is his initial appearance as an author. Seligman has been a member of the Varsity track team since his Freshman year. He was connected with The Tech in various capacities, being Athletic Editor at the time of his resignation, to take up his duties as History Editor of Technique, 1911. He is from Brookline, Mass., and is a Junior in Course III.

The competition for the Poster of this year's Show will be opened Tuesday afternoon at 4 P. M., when a meeting of all men expecting to draw posters will be called in the Show office, Room "B," Union. The usual prize of \$10 will be awarded for the best drawing. The poster is to contain the words "Tech Show," and the title of the play, "Frenzied French." Two flat colors and black are to be used. The poster should further deal with the title of the play. The size and suggestions in regard to the design will be given out in the meeting on Tuesday afternoon.

Every person who has or thinks he has any artistic ability should enter the competition, or at least come to the meeting and hear what there is to be said on the subject.

The lyric competition will also be opened in a day or two. Stage Manager Schell and Coach Sanger are now preparing a subject list of possible lyrics for the men to work on. It is absolutely essential for every man who has any talent in this line to get out and try to do his share as the success of the entire production depends to a great extent on the lyrics. As soon as the lyrics are written the music writers will be given a chance to display their skill.



WELLESLEY J. SELIGMAN, 1912.

Immediately after the mid-year recess a call will be issued for candidates for principals and chorus to assemble in the Union Dining Room. This is the first chance given the student body as a whole to support this year's Show. Every man who thinks he can sing or dance should report at the FIRST call and he will soon find out whether his opinion of his abilities are justified. A majority of the chorus are generally Freshmen, and it is hoped that the Freshman class this year will show better spirit toward the "Show" than they have toward the other activities.

On account of the lateness in announcing the choice of this year's Show, it is imperative that all men intending to write lyrics or design posters should begin AT ONCE, as procrastination, besides "being the thief of time," often means the failure of otherwise good material to be selected for the Show.

MECHAN. ENGINEERS' EXCURSION POPULAR

Society's Trip to Chestnut Hill
Pumping Station Saturday.

PUMPING SYSTEM EXPLAINED.

Meters and Hydraulic Devices Examined by Course II. Men.

Thirty students and instructors enjoyed the excursion of the Mechanical Engineering Society to the Chestnut Hill Pumping Station Saturday afternoon. Among the party were Professors Miller, Hayward and Riley, and Assistants Briggs, Sawyer and Wilson of the department, and Assistant F. R. Luffkin of the electrical department.

Through the kindness of Mr. Dexter Brackett, chief engineer for the Metropolitan Water Works, the party was met by Mr. A. E. O'Neil, superintendent of the station, and Mr. A. O. Doane, division engineer, and was conducted through the station by these two gentlemen, who took great interest in explaining everything to the men.

The station is arranged to pump for both high and low service, at pressures of 60 and 40 lbs. respectively. The high pressure service is served by four monster pumps, two of which are rated at eight, one at twenty, and the fourth at thirty million gallons per day. These engines receive steam from a battery of six boilers, three of the Dean type, carrying 100 lbs. pressure, and one Leavitt and two Dean and Manning at 165 lbs.

The low pressure service has three pumps of thirty-five million gallons per day capacity each, and another under construction which will have a capacity of forty million gallons at high pressure. The boiler room contains three high pressure Dean and Manning vertical boilers, carrying 160 lbs. pressure.

The pumping units were of great interest to the men, who examined them carefully from the pumps in the basement to the cylinders forty feet above the main floor. The unit under construction gave a chance for inspection of the valves and three great plungers. Men climbed to the top of the triple expansion engines and observed the valve gears, methods of governing and oiling.

Among other things which attracted attention were venturi meters and other hydraulic devices, generators for lighting purposes and a well equipped little machine shop. The men remarked on the solidity of construction of the buildings as well as their beauty and arrangement.

Blue prints of various boilers, valves, etc., were explained to the party.

CALENDAR.

Monday.

- 4.00—Mandolin Club—Union.
- 4.00—1913 Cross-Country—Gym.
- 4.00—1914 Cross-Country—Gym.
- 5.00—Basketball Practice—Gym.
- 5.30—Hockey Practice—Arena.
- 5.00—1914 Basketball—Gym.

Tuesday.

- 1.00—Tech Board Meeting (with lunch)—Union.
- 1.30—Union Committee Meeting—Dean's Office.
- 4.00—Orchestra Rehearsal.
- 4.00—Glee Club Practice—Union.
- 4.15—Gym Team Practice—Gym.
- 4.15—Technique Board Meeting—Union.
- 4.15—Varsity Indoor Track Team—Gym.
- 4.15—1914 Indoor Track Team—Gym.
- 4.15—M. I. T. A. Meeting—Room A, Union.

THE TECH

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MONDAY, DECEMBER 19, 1910.

The Show management has been unfortunate this year in having in addition to its regular duties the burden of choosing a competent man to coach the new Tech Show. The choice of the right man for this all-important position has taken some time and has delayed the work for the year. The work from now on must consequently be done as rapidly as circumstances will allow. The management has gone carefully, and now with the added impetus given by the new director, Tech Show, 1911, has been chosen, and the season's work is already well under way. The competitions will soon be opened and every man who intends to enter any of these should co-operate with the management to hasten the completion of these preliminary details. In other words, think out your ideas right away and work them into shape.

ELECTRICALS MEET

TUESDAY EVENING

Mr. Morss of Simplex Company Will Speak On Wire Manufacture.

On Tuesday evening, December 20, at 7.30 o'clock, Mr. Henry A. Morss of the Simplex Electrical Company, Boston, will give a talk on "Wire Manufacture" before the Electrical Engineering Society at the Union. This talk, which promises to be very interesting as well as highly instructive, will be illustrated with the stereopticon. Light refreshments will be served.

The Junior class at Rutgers recently passed a resolution in favor of 'Varsity basketball. They expect that the other classes will follow their example, and that those in control of athletics will comply with the request, in view of the decided trend of student opinion in favor of this plan.

HISTORY OF BOSTON

1915 MOVEMENT

Organized Effort For the Betterment of the City.

In March, 1909, the Boston 1915 movement was started at a dinner held at the Boston City Club. A great number of the prominent citizens of Boston were invited to attend the dinner, and about two hundred and thirty of the active leaders of organized work in Boston responded.

After this initial meeting there were many other local meetings held at various places in Greater Boston, and at these meetings the plans and aims of the movement were explained.

The general aim of the Boston 1915 movement is to have applied to the activities of this city what every well managed business enterprise applies to its factory or shop. No partisan, sectarian or other mooted questions will be entered into. Boston, 1915, hopes to make a Greater Boston, the fourth largest city in the United States, and the tenth largest in the world.

The method by which it is hoped to bring these to pass is to give to undertakings for the common welfare the strength of united action of all the forces, organized and unorganized, which already are making for good in the city.

It was largely due to Boston, 1915, that a safe and sane Fourth of July was enjoyed in this city last year. As a result there were no deaths and there were no accidents of serious nature. This in spite of the fact that there was an exceptionally large crowd in the city, owing to the presence of President Taft.

All of the plans of this organization make for the betterment of the city. Most of Boston's prominent men are connected with the movement, and without doubt, Boston, 1915, well deserves the splendid support which it has received from all Bostonians.

The Kappa Kappa Gamma sorority at Kansas University is discussing the plans for a new \$25,000 chapter house.

Freshmen were victorious in the color rush at W. and J. last week.

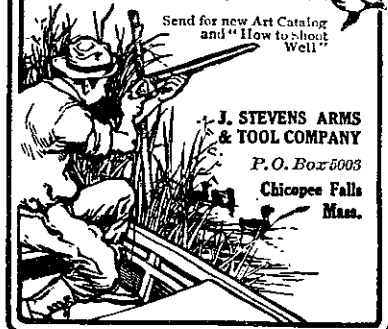
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will be worn longer this season than others—that is, other gloves.

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OPPOSITE YOUNG'S HOTEL

GYM EXHIBITION AND MEET TUESDAY NIGHT

Six Regular Events and Three Exhibition Contests Will Be Held.

The annual gymnastic exhibition and meet of the M. I. T. G. A. will be held on Tuesday, December 20. Prizes are offered for first, second and third places in the following six events: High horizontal bar, parallel bars, side horse, flying rings, single tumbling and club swinging. Besides these events exhibition contests will be held in boxing and wrestling and obstacle races will be run.

Each competitor is to perform three exercises of his own choosing and will be marked on a scale of a possible ten points, as follows: One for approach, four for difficulty, four for form and one for dismount and re-reat. In the club swinging each contestant is to swing for five minutes, exercises of his own choice, and will be marked for difficulty and form. An entry fee of fifteen cents is charged.

New men are especially urged to enter this meet as it will be the only opportunity to work out before the dual meets with Amherst, Salem Y. M. C. A., etc. The men who win places in this meet are most apt to be picked for the team later on. This year all men who win first places in college meets will be awarded a gift.

The meet this year promises to be a fast and interesting one. The contests between W. D. Allen, 1911, and B. Darrow, 1911, on the horizontal bar and flying rings are sure to be close. One of the most interesting features will be the wrestling exhibitions. An unusually great interest is being taken in this sport this winter, and a number of contests are to take place for men of varying weights.

The meet is to be called promptly at 8 o'clock. Admission is twenty-five cents.

Swimming and boating have been made regular athletic activities for women at Stanford.

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1914 BASKETBALL TEAM VICTORIOUS

Defeats Allen School Five in Initial Game of Season.

The 1914 basketball team started off the season with a rush Saturday afternoon by defeating the Allen School five at West Newton by the score of 23 to 17. Considering that the squad had only had a week's practice, and that practically no team work had been tried, they showed remarkable form. For the Allen School, G. Hayes and Brown were the stars, while for the Freshmen, Comber was easily the best all-round man, making twelve of the twenty-three points. The guarding of Glennon and Cleverly was also a feature. Lineup:

Allen School. 1914.
Brown, lf. lb. Glennon
Hayes, McKown, rf. rb. Cleverly
G. Hayes, c. c. Ruoff
Curtis, lb. lf. Comber
Arnold, Cassidy rb. rf. Derry
Baskets—Comber 6, Ruoff 2, Cleverly 1, Glennon 1, G. Hayes 3, Brown 2, Hayes 1, McKown 1.
Fouls—G. Hayes 2, Brown 1, Ruoff 2, Derry 1.
Time—16-minute halves.

As two and perhaps three positions are yet to be filled on the team, a full attendance at the practice on Tuesday and Thursday, at 1.15, and Wednesday at 5 o'clock, is desired.

The Faculty of Colorado University has returned the petition for publishing a tri-weekly paper.

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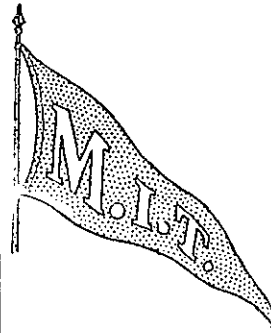
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FACULTY NOTICE.
Problem books in Physics Heat are returned and may be obtained in the basement of Walker Building.

ATTENTION, 1914!
All candidates for the class basketball team report at Gym on Monday, Wednesday and Friday, at 5 P. M., commencing with December 12th. A good schedule is being prepared, and every man who knows the game at all is urged to come out.
H. R. RUSSELL, Manager.

NOTICE.
Two volumes of Technique for sale, 1894 and 1895; 1895 is dedicated by President Walker and has his picture as a frontispiece. Apply at Room 36, Walker.

NOTICE.
Gentlemen, I call to your attention that I will pay more for your cast-off clothing than any one in my line of business. A trial will convince you. Send postal to Max Keezer, 3 Bow street, or telephone Cambridge, Mass., 302. (tt)

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NOTICE.
The following articles of clothing have been left in my office and are still unclaimed:
One black overcoat, left in Lowell Building, November 16th (apparently the property of a Freshman from San Francisco).
One light coat, left at the Cage September 30th.
Two caps, left in Lowell Building November 16th.
One raincoat, left in the Rogers Building.
One pair of spectacles.
I shall be glad to have the owners call at my office and identify their property.
Yours very truly,
MAURICE R. SCHARFF,
President's Assistant.
December 7, 1910.

MASSACHUSETTS INSTITUTE OF TECHNOLOGY.
First Year—Choice of Course.
Circulars in regard to the Choice of Course were sent to all first year students with the report of standing for the second five weeks. Cards will be distributed among first year students at some Chemistry exercise, and they are to be returned with a provisional Choice of Course indicated on them. This choice is not binding, but students are earnestly asked to consult with their parents and their instructors at once in order that this provisional choice may be made within the next two weeks.
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