

THE TECH

VOL. XXX. NO. 7

BOSTON, MASS., THURSDAY, OCTOBER 13, 1910

PRICE TWO CENTS

PROFESSOR GURRIE ON PORTUGUESE SITUATION

Effect of Revolution On U. S. Trade to be of No Importance

Professor Currier, head of the History and Political Science Department, suggests that the recent outbreak of the revolutionists of Portugal may not be a general uprising of the whole people. The success of the new Republic of Portugal depends ultimately upon the character of the people and how they will be affected by "freedom" of controlling their own affairs.

As is usually the case with uprisings, this terrible outbreak at Lisbon was the result of long smothering causes. Chief among these was the King himself. Professor Currier says he was wholly unfitted to rule, a weakling and dissipated to an extreme.

With regard to the advisability of the United States recognizing the new Republic, Professor Currier compared the situation to that of the year 1870, the time of the establishment of the French Republic. In three days our government recognized the new change, but with Portugal, Professor Currier did not believe such immediate action advisable. Our economic conditions will be little affected by the new situation. Our entire trade with Portugal does not compare even favorably with that of the city of Boston. There are many Portuguese in this section of the country, but the only effect they may bring about will be purely sentimental and of secondary importance.

AERO DEMONSTRATION

Tech Club of Merrimack Valley Plans Aeronautical Reunion

The subject of aeronautics is not only attracting the attention of the men here at the Institute, but other graduates also are showing a keen interest in the subject. An aeronautical reunion of the Technology Club of the Merrimack Valley is the latest enthusiasm of the alumni.

On Tuesday afternoon, October 18, the club will meet at the Vesey Country Club, Tyngsboro, Mass., from 2 to 8 o'clock, to discuss the subject. The Tech Aero Club will give a demonstration of soaring, and the remainder of the afternoon will be devoted to golf and tennis.

Dinner will be served about 5.15 o'clock, at \$1.50 per plate. Professor Abbott Lawrence Rotch of Harvard University, president of the Harvard Aeronautical Society, founder and director of Blue Hill Meteorological Observatory, will speak to the club on aeronautics. Professor Rotch aided also in the formation of our own Aero Club. Hon. Butler Ames has been invited to speak on the conquest of the air.

CALENDAR.

Thursday.

4.00—Tennis Entries Due.
6.30—M. E. Society Dinner.

Friday.

7.15—E. E. Society Meeting.

G. E. SOCIETY TO VISIT LYNN GRADE CROSSING

Prof. Breed Consulting Engineer for the Work will Conduct Party

Next Saturday afternoon, weather permitting, there will be an excursion, under the auspices of the society, to inspect the work being done in abolishing the highway grade crossings at Lynn, Mass. In the very heart of the busy city of Lynn, at a point where daily half of the population of the city passes, the tracks of the Boston & Maine Railroad cross the main street at grade. To readjust the street and railroad levels in order that persons may cross over or under them, and to do this without stopping traffic through the city, was the problem that confronted the engineers. Changes in the grades of nine different streets have had to be made to meet the new conditions. The cost of this improvement, which is already half-finished, will be about one million dollars. An additional factor of interest is lent by the fact that Professor C. B. Breed of the Civil Engineering Department has been consulting engineer for the project. Saturday will be an excellent time for one to see this work, since how the problem is being solved will be explained to those who choose to join the party.

Professor Breed will accompany the party and point out the different places of interest.

NEW MUSICAL CLUB

Tech Orchestra Organized On Permanent Basis

An organization, to be known as the Massachusetts Institute of Technology Orchestra, held its first rehearsal last Tuesday afternoon, under the leadership of R. Eksbergian 1912. The object of the orchestra is to get together fellows who play instruments other than those in the banjo and mandolin clubs. At present the plans are somewhat indefinite. If the club proves a success, which will be determined after a few rehearsals, it is to give concerts, as do the mandolin and banjo clubs. Men who play orchestral instruments of any kind are strongly urged to attend the next rehearsal, which will be held in the Union on Tuesday, October 18, 1910, at 4 P. M. sharp.

The following men reported:
Violins: C. M. Berry 1914, T. B. Brigham 1914, L. S. Hall 1914, L. G. Harris 1913, R. E. Morse 1914, W. G. O'Brien 1914, and H. C. Damon 1914.
Viola: P. H. Hilliard 1913.
Cello: E. H. Davis 1914, and S. H. Sweet 1913.

Bass: A. M. Eisenberg 1912.
Flute: D. G. Gray 1914, E. E. Smith, W. D. Stevens 1913, and B. L. Reeves 1912.

Clarinet: R. J. Tullar 1913, and W. S. O'Brien 1914.

Cornet: N. E. Brooks 1913, and A. J. Hahn 1914.

Trombone: T. B. Lawler 1914.

Piano: T. B. Solomon 1914.

Saxophone: W. N. Drew 1911.

Drums: H. D. Peck 1913.

INTERESTING SPEAKERS SECURED BY G. E. SOCIETY

Plans for the Year Well Under Way—Meetings will be Held Bi-Weekly

The work of the several years in the Courses of Civil and Sanitary Engineering has started off in the usual way, with no changes worthy of note. The two upper classes have commenced the field work on the several subjects requiring it, and the second year class will start their piece of work as soon as they have become sufficiently familiar with the use of surveying instruments.

To many students the field work is the most attractive feature of Courses I and XI, for it gives them an opportunity for outdoor work once or twice a week, and so breaks the monotony of the steady grind of class and drawing room work. The classes are kept at outdoor work until the weather becomes uncomfortably cold, and then during the winter months the results of the work are calculated and plotted in class.

The fourth year class in Hydraulics is now engaged in practice in gauging the flow of streams. The greatest experimental work is being performed on the Merrimack Canal at Lowell, Mass., under the instruction of Professors Porter, Russell and Barrows.

Locating and surveying a railroad line through the towns of Wellesley and Needham is the work of the third year students in Railroad Engineering. The supposed line is to connect the Boston & Albany tracks in the vicinity of Wellesley Hills with the New York, New Haven & Hartford line near Needham Junction. Last week the whole class went over the ground thoroughly with Professors Allen and Breed, making what is technically known as a reconnaissance. The reconnaissance is the first trip made by the party whose duty it is to lay out such a line. It is a rapid survey made without the use of the regular surveying instruments, but with reference to the best available maps of the region. Grades, highway crossings and various obstacles are noted, to be considered

(Continued on Page 3.)

BASKET BALL MANAGER

Owing to the fact that last year's manager of the basketball team, A. T. Bennis, did not return to the Institute this Fall, another man must be chosen to fill his place. The men will be elected by competition, and anyone wishing to try for the position is requested to apply to T. B. Parker 1911.

NO CHOLERA DANGER

Professor Sedgwick, who has just returned from the meeting held Monday in Washington of the Advisory Public Health Board, says that with the careful work that the immigration authorities take in looking out for cholera, as well as the many other diseases likely to be brought in by immigrants, there is but little danger that the United States will be influenced by the scourge now prevalent in European centres.

SOPHOMORE LOSE TO DEAN ACADEMY 5-6

New Football Rules Tried by Institute Team for First Time

The 1913 football team took advantage of yesterday's holiday to travel to Franklin and meet the team from Dean Academy there. Although defeated, the Sophomore men played an aggressive game throughout, and the score was in doubt until the final moment of play.

New rules were observed by both sides, although the penalties seemed to show that the 1913 men had acquired a better grasp of them than their opponents. Two twelve-minute and two ten-minute periods were played.

The game was called at promptly 3.30. Tech won the toss and those to defend the north goal. On the kick-off, Eichorn at full-back, received the ball, but 1913 men lost it on a fumble after the first few plays. Dean then made a long end run and scored a touchdown soon after; goal was kicked and the score stood 6 to 0 in favor of Dean. No more scoring took place in this period.

1913 kicked off in the second period, and a few minutes later Wilfert, l. h., punted 45 yards over the quarterback's head. Fallon, l. e., got the ball and carried it over for a touchdown. Wilfert failed to kick goal. During the remainder of this period and all through the next two, both teams fought stubbornly and neither could come within scoring distance until a few minutes before the close of the game, when 1913 punted out of bounds, the ball going out near the Dean goal line. Some discussion occurred here, but finally Dean was given the ball. The game ended with the ball near the centre of the field, with the score 6 to 5 for Dean. For 1913, Eichorn at full-back, and Goff at right half, played excellently, gain-at right half, played excellently, gain-to carry the ball.

COLUMBUS DAY PARADE

Yesterday, for the first time in Boston, Columbus day was officially celebrated. The chief event of the day was the monster parade which started at noon and marched through many of the principal downtown streets. This parade was probably the largest and finest that has been seen in Boston for some time past. It took in all about two hours and a half in passing a single point. Besides many floats, which pictured a number of historical subjects, thousands of men from the warships and from the many societies of Boston and surrounding towns, formed a marching column.

JOHN BIGELOW, JR., CANDIDATE.

MIDDLETOWN, N. Y., Oct. 12.—John Bigelow, Jr., son of the Ex-Minister to France, was nominated as the Democratic candidate for Congress in the 20th district today. He is a graduate of West Point, and served in the army, retiring with the rank of major in 1904. In the war with Spain he was wounded at San Juan.

THE TECH

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BOSTON, MASS., OCTOBER 13, 1910.

It is with regret that The Tech must announce the resignations of C. Fallon 1912, from the position of Advertising Manager; of A. W. Kenney from the position of Circulating Manager, and of O. B. Denison 1911, from the position of Managing Editor. It has been known for some time that it would not be possible for these members to continue their work throughout the year, but The Tech was fortunate in having their assistance in the rather difficult times at the start of the year.

However, The Tech is fortunate in being able to announce the appointments of S. E. Bates 1911, to the position of Managing Editor; of H. W. Hall 1912, to the position of Advertising Manager, and of H. P. Fessenden 1913, to the position of Circulation Manager.

As usual, the classes are rather slow in organizing this Fall. Although two weeks have passed since the commencement of the school year, the upper classmen have as yet held no meetings, and elections of class officers have not as yet been held in any of the classes. As a result many of the organizations dependent upon class elections are unable to get really started. The Institute Committee has held one meeting this term, but has not commenced its regular sessions because its membership will soon be altered by the class elections. Is it not about time for the class officers to see that the classes are put into running order for the year? The one class which seems to have a keen interest in the coming year is the Sophomore class. Further than this, certain members of the class seem to have plans and designs for control for the remaining three years. Attempts of a similar nature have been made in the past. The most energetic of them have failed on account of this obvious nature. Institute men do not take to politics in their affairs. They can distinguish between the man who has at heart the interest of his class and the man who is ruled by his personal ambitions.

With Field Day only three weeks distant, the Freshmen are just beginning to realize that they must get out and work if they expect to win from the upper class. Increased enthusiasm has been shown in the last few days and all the teams are being much better supported. This, of course, is encouraging as indicating a step in the right direction, but it is only a step and does not mean that further improvement is not absolutely necessary. All the teams need more men. There is plenty of good material in the class but it needs development.

In all events it is team work that counts, and team work can only be developed by constant and persistent practice as a team. There is but one way to get this kind of practice, and that is for all the candidates to come out every night and work together until the teams are units, not groups of individuals. There is yet time to secure this unity if all the men will come out tonight and every night until November 4. Delay is dangerous!

This week the Relay squad has more than doubled and men are coming out more regularly. The first weeding-out comes Monday, October 17, and the fourteen men who will carry the flag for 1914 will be determined in the finals to be held Saturday, October 29.

While class spirit may seem in a way quite intangible and hard to define, its evidence may be readily classified under two heads: constructive and destructive class spirit. Constructive class spirit may be represented by the practice of the Field Day teams, where the class is so perfecting its own organizations that it will lead in class affairs through its superiority. Class spirit may also be shown in the ridicule and belittling of the other classes. This is the destructive spirit and is characterized by the hazing and ducking of members of a "hostile" class. Which form of class spirit reflects more credit upon the Institute as a whole? And which reflects more credit upon the class?

The continuance of the class rush on the night of the first Freshman dinner now rests with the class of 1914. The affair has never been supported by a Sophomore class as a class. Their forces have always been quite disorganized and the result has been a very one-sided affair, hardly in accordance with a spirit of fair play. We may safely say that the custom has the informal disapproval of the faculty and the alumni, but it is up to the class of 1914 to kill the tradition officially. They held the upper hand in the recent scrimmage, so even the most cynical can intimate "soreheadedness." Remember your opportunity, Freshmen, in your next class meeting.

TEN DOLLARS.

To the man who secures the largest number of subscriptions to The Tech before Saturday, October 15, at 4 P. M., The Tech will give a cash prize of TEN DOLLARS. Besides, there is a commission on each individual subscription. Subscription books and further details can be obtained from the Circulation Manager in the upper Tech Office, The Union, from 8.30 to 9.00 any morning, or from 1.30 to 2.00. Get after them NOW.

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COURSES I AND XI NEWS.

(Continued from Page 1.)

when the general lay of the line is mapped out in the office.

The third year class in Structural and Field Geology has made two excursions, the first to the summit of Blue Hill, from which the general geological formations of Eastern Massachusetts were observed, and the second to the Harvard Museum. Interesting models of various geological subjects were treated, and some of the party were fortunate enough to see the Harvard Seisonograph in operation. Luckily no earthquake or other undue disturbances were recorded as a result of The Tech men's invasion of Harvard College grounds. Professor Jaggar, who was in charge of the party, explained how this most delicate instrument works, and how by comparing the reports of three different seisonograph observatories, and triangulating their positions, the exact locality of an earthquake disturbance can be located, even though it may take place at the bottom of the Pacific Ocean, as has once happened.

PROFESSOR SPOFFORD TO SPEAK

On October 19th Professors Spofford and Jaggar will speak at the joint meeting of the Boston Society of Civil, Electrical and Mechanical Engineers at Tremont Temple. These professors made a trip through Central America last summer to study the earthquake and earthquake effects. The topic of their talk at the meeting will be the earthquake which destroyed much property in Costa Rica. Prof. Jaggar will discuss the earthquake itself, and Professor Spofford will discuss the effects on structures in the region. It is assured that the same talk will be repeated before the C. E. Society of Technology.

ACTIVITIES OF THE SOCIETY.

The Civil Engineering Society had a very successful send off for its year's activity last Thursday, when one hundred and fifty men met at the dinner and heard Mr. Rourke's most interesting description of the Panama Canal. Among the audience were several former graduates and members of the Boston Society of Civil Engineers.

At the next regular meeting of the society, which will be held Thursday, October 20, a representative from the firm of Keuppel & Esser Co. of New York, will give a talk on the construction of engineering instruments and instruments of precision, which will be illustrated by a large exhibit of the latest types. The only manner in which the advertising element will enter into this lecture is that all instruments displayed will be of K. & E. manufacture.

NEW MEMBERS FROM 1913.

All members of the class of 1913 who are regular students in Course I or XI are eligible to membership in the C. E. Society. An initiation fee of \$1.00 for new members is charged, and the yearly dues are seventy-five cents. All dues are payable at the beginning of the school year, and the officers request that members be prepared to pay as soon as possible. The treasurer of the society will go around the second year drawing room to enroll new members within the next two or three weeks.

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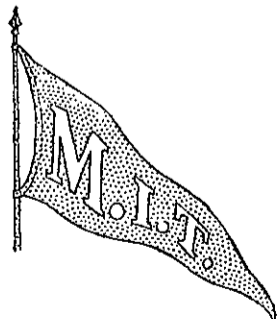
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FACULTY NOTICES.
Revised List of Hours for Sections in
Political Economy.

Hour, Wed. 12; Room 42 R.; Instructor,
Course VI, 1 and 2, Section Hour,
Mon. 11.00; Room 42 R.; Instructor,
Prof. Doten.
Course I, Section Hour, Tues. 9;
Room 26 L.; Instructor, Prof. Doten.
Course II, Section Hour, Wed. 11;
Room 26 L.; Instructor, Prof. Dewey.
Courses VI, 3, VIII and XIV, Section
tor, Prof. Dewey.
Courses III and IV, Section Hour,
Thurs. 9; Room 26 L.; Instructor,
Prof. Doten.
Course II, 2, Section Hour, Thurs.
10; Room 26 L.; Instructor, Prof.
Doten.
Courses V, VII, X, XII, XIII, Sec-
tion Hour, Fri. 9; Room 42 R.; In-
structor, Prof. Doten.
Courses I 2 and XI, Section Hour,
Fri. 10; Room 42 R.; Instructor, Prof.
Doten.

D. R. DEWEY.

Physical Laboratory Reports.
Students during their last year's
Physical Laboratory Reports and note
books may obtain them in Room 16,
Walker, by calling any afternoon be-
tween 1 and 4 P. M. Note books and
reports which are not claimed on or
before October 15th will be disposed
of.

Precision of Measurements.
The special course in Precision of
Measurements offered for college stu-
dents will be given on Tuesdays and
Fridays at 4 P. M., in Room 23, Walk-
er Building.

H. M. GOODWIN.

RADIATION, COURSE 832.

Those desiring to attend this course
will please meet for the first exercise
on Thursday, October 13th, at 4 P. M.,
in Room 23, Walker.

H. M. GOODWIN.

ART MUSEUM.

Free tickets of admission to the
Museum of Arts for the year 1910-1911
will be issued to students upon appli-
cation at the ticket office at the en-
trance to the Museum.

H. S. STORY,
Curator.

ALL FOREIGN STUDENTS at the
Institute who desire to become mem-
bers of the Cosmopolitan Club should
leave their names at the Cage for
Isaac Hausman Society at once.
Americans desiring to join should do
likewise, but election to membership
is not guaranteed.

BASKETBALL.—Owing to the non-
return of A. T. Bennis, the position of
basketball manager is now open. Any
men wishing to try for the position
will please communicate with T. B.
Parker 1911, Captain.

ALL Course I and XI men in the
second, third and fourth years who
desire to become members of the Civil
Engineering Society should leave their
names at the Cage for the secretary.
As a fine program for the winter is
being arranged it is urged that all
men should join. Initiation fee, \$1.00.
Annual dues, 75 cents. O. D. Powell,
Secretary. (5-8)

1913.

A representative of the Horace Par-
tride Co. will be at the Gym on Oct.
17, from 3 to 5 o'clock, for the pur-
pose of taking measurements and or-
ders for Track and Gym Suits. A
special discount will be given to all
men ordering at that time.

F. KANALY.

British Empire.

All new students from any part of
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