Everybody knows now what "Was Ist Los?" means.

This tremendous production is to be given by the students for the purpose of aiding athletes at the Institute. A large crowd is expected, and many tickets are being sold. There will be at least three hours of the day and night and many are in demand.

Remember that you want to be sure and bring your ticket, for it will be appreciated the opportunity to see what Technology can do in theatrical line. This offers an assurance that you will be in strong. Be sure and consider the chance.

To give an idea of what can be expected there will be a San Francisco cafe scene, and a most elaborate reproduction acted by imported actors from San Francisco. Many new and mysterious acts will be presented. General van de Ville's stunts, clown songs and horsecollage with inspiring music, will make this evening of the nineteenth one of the most enjoyable ones ever spent by Tech men, their families and friends.

Tickets are going like hot cakes, so get yours early and be sure of a seat.

Everybody will be at Huntington Hall at 8 P. M. Thursday evening, the nineteenth of December. Tickets can be secured from various spots about the Institute.

REGIMENTAL DANCE.
Plans Being Laid Early for Affair to Occur in March.

Although it is early in the season the officers of the regiment have already laid preliminary plans for the annual dance, which this year will have to be called the "Regimental Hop" because of the new form of organization. It is intended to hold the party in the middle of March, and it is probable that Horticultural Hall will be secured, as for last year's successful dance. The officers constitute a committee of a whole to take charge of the affairs, and it is probable that a number of the social functions of the second term will be included.

This year it is intended to restrict the number of invitations sent out to the number of people, in order to interest more of the Institute upper-classmen. With the number of former officers and the present ones, there will be a number of upper-classmen who will attend anyway, and it is expected that a large number of whomever may be interested.

Four women are taking engineering work at the University of Michigan, and they are reported as being very successful.

COURSE XIII HOLDS INTERESTING MEETING
Mr. Walbridge Speaks on Fore and Aft Rig—Group Picture for Technique.

Yesterday afternoon the Naval Architectural Society held a meeting in 32 C at 4 o'clock. The meeting opened with the reading of the minutes of the last meeting and the report of the treasurer. The motion was seconded and passed, to start an album which is to contain clippings from THE TECH relating to the society. Mr. Chase inquired about having a copy of the "Fore and Aft Rig," touching on the origin and development of the "Big" and the various types. A committee was named to select speakers for future meetings, meeting, and all speakers will have the opportunity to tell those who are not among us their choice of subject. A committee is to be formed by Mr. Walbridge, chairman, Mr. Bent and Mr. Burtner. Mr. Teodori appointed a committee to see the library and to report the results at the next meeting after selecting the next meeting on January 7, 1913, the meeting adjourned.

ABOLISH FENCING.
West Point Important Activity Abolished by Government.

Fencing at West Point has been prohibited by the United States Government. A recent report. The chief ranking at the Army institution is second in importance as regards to the club is Technique. The regimental dance will be held on July 1, the meeting adjourned.

GOOD HOCKEY OUTLOOK.

The hockey season promises to be very successful if one may judge from the activity. Ovans with many teams as Synnove, Cornell, West Point and Annapolis, with a possibility of getting Williams and Dartmouth, besides tonight's game with Harvard, are enough to keep any team busy for the remainder of the season. The team is working together and given strong enough of turning out a champion seven.

PROF. RICHARDS BETTER.

Pupils of Professor R. H. Richards, who is in charge of the department of Mining Engineering, will be glad to know that he is on the mend following an illness which has been going on for some time. He is doing well and expect to return to his routine duties soon.

TECH VS. HARVARD HOCKEY TONIGHT.

M. I. T. Players Meet Strong Team at 8:15 Tonight.

Tonight, at the Arena, Tech's hockey seven will line up against the strong Harvard team. The game is to be called promptly at 8:15 and until time is called at the close of the game there should be a keen finish of excitement. Tickets have been obtained by the members of the hockey squad from the arena managements, so that anyone desiring to see the game may obtain tickets from this source and sit in the Tech section. There is to be organized cheering, so that it is desired that everyone take steps to get his ticket in time the members of the squad.

On last Monday practice was held with the Pilgrim A. A. team, with the regular lineup. The good showing made in the practice game was due to careful coaching, which has decided improvement over the playing last year. There will be a notable improvement in the H. A. A. lineup tonight:

Ranney, v.; Eibold, p.; Sturdevant, r. p.; Fots, 1.; Hinterleiter, r.; Storke, Macland, s.

DR. MACLAURIN'S TALK.
Will Be Held in Union at Noon.
Everyone Expected.

Tomorrow will be a banner day for T. C. A., and it is expected that all of the records will be surpassed. The opportunity to hear President MacLauren speak at the Thursday morning meetings of the T. C. A. is one which is not very often presented to the student body. Dr. MacLauren's speeches are always very interesting, and it will surely be worth while the students who can possibly do so, to be present. Although the subject of the address has not yet been announced, it will probably be a discussion of the relation of the T. C. A. to student life.

Doctor MacLauren is extremely busy and has more to do now than was ever possible, because of the extra work caused by the planning of the New Technology. Therefore it is probable that he will be able to speak to the student body this year, and the T. C. A. is expecting that the Union will be filled to its fullest capacity, especially with new men. It is indeed rather a matter of duty to be present and hear the opinions of the President of the Institute on matters which are undoubtedly of great concern to all Tech men.

The meeting will be held in the Union at 12:30 o'clock, and will begin promptly on time.

MANDOLIN CLUB.

No rehearsals of the Mandolin Club this week. However, they will start again immediately after the term vacation is over. The Mandolin Club will continue to meet on Friday nights at the Faulkner Hospital in Jamaica Plain.

MR. VALENTINE SPEAKS TO ELECTRICAL MEN.


Yesterday evening the Electrical Engineering Society held a very enjoyable and interesting dinner in the Union at 8:30 o'clock.

After full justice had been done to the menu provided by Chef Colton of the Union, the first business was the description and outline of the hour by the members of the society who desired to make it. The schedule of the hour which will probably be taken as follows: Sunday, February 2, 1913, leaves Boston at 3 P. M.; Monday, February 3, arrive at Niagara Falls at 1:23 A. M.; Tuesday, February 4, leave Buffalo, stopper will be at 10 P. M. Wednesday, February 5, arrive at Suburban, 8:10 A. M.; leave Albany at 7 P. M., arrive at West Point, 10 P. M.; Friday, February 7, leave for Boston at 10 P. M. The cost of this trip will be $25.75.

Then the speaker for the evening Mr. P. H. Valentine has made a specialty of telephone work, and his subject was "Problems in Telephone Traffic Engineering." The talk was very interesting, and was greatly enjoyed by about one hundred students who were at the dinner.

In the beginning, Mr. Valentine said the number of telephones needed on the Union at 11:30 o'clock, which is the beginning of telephone service is estimated. Then he showed the economical way in which the service can be arranged for. In these estimates is included the number of calls which may be expected, not only in a day, but in the busy hours of the day. The traffic engineer determines how much switch-board capacity will be needed. To foretell the busy period, the engineer uses the records which are kept by the telephone company. In fact, in some instances, the black district, which is the residential section of Boston, has an excess of traffic in the morning and evening, the busy traffic being about 15 per cent. Therefore they must provide service for these busy hours, and also for the busy five minutes of those hours.

It is not easy to find these things, but the work is carried on almost fifteen minutes of these hours.

FORECAST for Boston and vicinity: Rain, or snow Wednesday; moderate variable winds, becoming gale.

WEATHER.

Forecast for Boston and vicinity: Rain, or snow Wednesday; moderate variable winds, becoming gale.

CALENDAR.

Wednesday, December 18, 1912.

11:30 A.M.— clips—Huntington Hall.
P.O.— "Was Ist Los"—Huntington Hall.
AMERICAN CHEMICAL SOCIETY TO MEET FRIDAY

Friday night the Chemical Society will hold a joint meeting with the Northeastern Section of the American Chemical Society in Lowell. The secretary of the American Chemical Society, Professor W. T. Lewis, of the institute, has sent out invitations to all men who are members of the M. I. T. Society, asking them to let him know whether they will be at the dinner which is to precede the meeting. He also wishes it understood that those members of the society who are unable to come to the dinner are expected to be at the meeting.

This joint meeting is also the alternate meeting of the Electro-Chemical Society as well as the members of Courses V and X.

Mr. Valentine speaks

(Continued from page 1.)

SOMETHING IS LOSS WITH A FEELING OF LONELINESS WHICH EXISTS IN EVERY TECHNOLOGY MAN.

We know that it is in a good cause, and that we can help that cause by attending the entertainment, which will be worth more than the actual money cost of a ticket. Let us make this occasion one of our whole support.

Mr. Valentine says that it will be worth much more than the actual money cost of a ticket. Let us make this occasion one of our whole support.

ELECTRIC WAITERS.

An apparatus for the use of hotels and restaurants has been brought out in Wellington, New Zealand, which presents several novelties. At each table in the dining room there is a wooden frame containing the menu, and opposite the name of each dish there is a push-button. When a guest has made his decision, he presses the appropriate push-button, which causes the number of the table and the number of the dish to be called in the kitchen upon an annunciator. The traffic engineer of a bail also calls the attention of the cook to this order.

Another strong point which Mr. Valentine made was that the gross returns from the business are but a fraction of the investment, while most business houses expect to turn over their investment four or five times. This makes necessary very accurate engineering to avoid waste in equipment. This waste may be minimized by getting out of order. You can give your fountain pen a better treat than a Moore's. The American Fountain Pen Company makes a fountain pen safe, sound, and dependable pen known. It is made to order. You can give your fountain pen a better treat than a Moore's. The American Fountain Pen Company makes a fountain pen safe, sound, and dependable pen known. It is made to order. You can give your fountain pen a better treat than a Moore's. The American Fountain Pen Company makes a fountain pen safe, sound, and dependable pen known. It is made to order. You can give your fountain pen a better treat than a Moore's. 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graplh stations, and from there they

telegrams may be telephoned from

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existence are losing money. There-

About 20,000 telegraph offices now in

15 minutes: it is now 3 minutes, and

For instance, several years ago the

90 per cent. in the next few years.

at present over 80 per cent. of the

accuracy of local service as possible.

In 1906 only 17 per cent. of the toll

assembled on the scale of 1 mile to the

vey, in 1910, and the map is pub-

of the United States Geological Sur-

veys were made by Topographic Engi-

ner & Marx for the best essay on cur-

economics department of Cornell, has;

blamed to the purpose.

bureau of Syracuse city. Over 150'

acres of forest land have been set

America has been started at Syracuse

by the Corda-Fratres Cosmopolitan

Y. F. Jabin Hsu, have composed a

Chinese playlet that will be presented

at Princeton. Two hundred thousand be

obtained at the Cage the first Mon-

day after the vacation.' The follow-

prize given annually by Hart, Schaff-

Blake, '13, announce that all nomina-

title of the show. The idea embodied

in the drawing should suggest the

lagn of the show.

Publicity Manager G. E. Whitwell

ishes all the men who may

talent as artists to come around this

and new him. If any of the men are un

around at this time a note addressed

Whitwell may be at the Cage, and

and another date arranged with

Mr. VALENTINE SPEAKS.

Recognising the value of detailed

disposable mapping of the Blue-Prin-

tucky Geological Survey, is co-operat-

State of Kentucky, through the Ken-

topographic mapping of its area, the

December 20, at 5 P. M. On account

Mr. Whitwell may be left at the

Cage, and another date arranged with

MR. VALENTINE SPEAKS.

Mr. VALENTINE SPEAKS.

vivo as nearly approach the speed and

accuracy of local service as possible. In

1906 only 27 per cent. of the toll

traffic was on a co-day basis, while

at present over 80 per cent. of the

service is of this kind, and it is ex-

pected that this will be increased
to 90 per cent. in the next few years.

For instance, several years ago the
time from Boston to Worcester was

15 minutes: it is now 3 minutes, and

best may it will be 45 seconds.

An effort is now being made to com-

bined telegraph and telephone wire.

Also, telephone offices now in exis-
tence are losing money. There-

therefore, reason why many of these are abolished.

and only central stations used, the

telegraph service may be telephoned from

small towns to the large central tele-

graph stations, and from there they

will be forwarded. It may also be

possible to combine the mail

and increased efficiency and avoid

loss.

Concluding, Mr. Valentine said that

the use of the telephone

er is to study the real needs of the

public, and find the best and most

economical way of providing for

these needs. At the

after the students had asked many

questions, which Mr. Valentine cheer-

fully answered, the gathering broke

up.

The University of California investi-

gators at La Brea have discovered

a fossil skull 100,000 years old.

In the theatre of this kind has recently been

invented, and another date arranged with

The Senior Portfolio Nomination

Committee, consisting of A. W. Car-

Smith, G. E. Trull, T. B. and

Blake, '13, announce that all nomina-

tions for the Portfolio Committee are

due at the Cage before Friday night

December 20, at 5 P. M. On account

of the holidays all nominations must

be in by that time. The ballots may

be obtained at the Cage the first Mon-

day after the vacation. The follow-

ing Monday the ballots will be due.

at the University of California.

At the Leland Stanford University

the acme of cuisine and service at

The Copley Plaza Hotel

Afternoon Tea served in the Sheraton Tea Room

under reasonable prices

Under the same management as the Plaza Hotel, New York. Fred

Harry, Managing Director. J. C. La Vin, Manager.

USEFUL

CHRISTMAS GIFTS

FOR MEN

Overcoats, Ulsters, For-Tinned Coats and

Wraps, Dressing Gowns;

Breakfast Jackets, Umbrellas, Walk-

Sticks, Fitted Bags and Dress-

ning Cases, Angora wool Mufflers and

Wristlets; Rubber Socks and Blinders;

Pocket Books and Skull Boxes; Cig-

arette Cases; Pipes and Pouches.

Boston Sales Offices

Lawrence Bldg, Tremont & West Sts.
Southwest cor. Broadway and Fifty-fourth Ft.
walk to twenty theatres. Send for booklet.
Rates, $2.50 with Bath and up. Ten minutes'
Most Attractive Hotel In New York. Transient
ranzoni. Popular prices, 50c to $2.50.

MANN. Edvina, Deveyne, Fisher, Clement, Marcoux, Cond., Andre-

BOSTON
HP:A
HIGH

HOTEL CUMBERLAND
SHUBERT

SAT., 8 to 11. LA TRAVITA. Scott-
SAT., 2 to 4.50. LUCIA. Tetrazzini,
FRID., 8 to 10.45. TALES OF HOFF-
MASON & HAMLIN Pianos used.

Reasonable Rates

GOU T HW EL; L'$RS

GRADE

WORK

Avenue -

FACULTY NOTICE.

The English Department has de-
ed to establish next term a special
section in First Year English (140)
for men who are engaged in work on
THE TECH. The section will be lim-
ite to twenty, and no student will be
admitted who has not received a mark
below P in the first term. Fifteen out
of the thirty hours will be allowed for
work on the paper, and all articles
published will, after publication, be
made up of copy printed by THE TECH or
of special articles submitted to the in-
tructor. The department reserves the
right to refuse to count anything
which is workmanship or in taste falls
below a reasonable standard. Those
who wish to join this section will be
notified by the department before the close
of the present year.

ARLO BATES
FACULTY NOTICE.

Fourth Year Hydraulics—Course II.
Sections 1, 4 and 5 will recite in Room 20, Engineering B, on Tues-
days, Thursdays and Saturdays, from
9 to 10 A. M.
Sections 2, 3 and 3 will recite in Room 49, Engineering A, on Tuesdays
and Thursdays, and in Room 31, Lowell, on Saturdays, at the same hour.
All sections should prepare articles
6 to 12 inclusive of Russell's Hydraul-
ics.

WALTER HUMPHREYS, Register.

The American Brass Company
ANSONIA BRASS & COPPER BRANCH
Ansonia, Connecticut

Manufacturers of
Bare and Insulated Copper Wire and Cable
Drawn Copper Rods, Bars and Strips.
Brass Sheets, Rods, Wire and Tubes.

Solo Manufacturers of
"TOBIN BRONZE"
(Trade Mark Registered)

SOUTHWELL'S LAUNDY
HIGH GRADE WORK
66 Huntington Avenue
Boston, Mass.

Southwest cor. Broadway and Fifty-fourth Ft.
walk to twenty theatres. Send for booklet.

MANN. Edvina, Deveyne, Fisher, Clement, Marcoux, Cond., Andre-

BOSTON
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