O B U R S A R S H . S. F O R D
S P E A K S F O R T. C. A.

**M I L I T A R Y H O P T O N I G H T I N H O R T I C U L T U R A L H A L L**


Tonight will usher in the annual Military Hop of the M. I. T. Cadet Corps which is a prominent feature of the year's activities. The arrangements have been under the supervision of Col. L. F. Hamilton, who heads the committee. The order of dances which includes twenty selections contains the latest popular music that could be had. Refreshments are to be served during intermission. Flowers will not be allowed, as is the usual custom at this dance. Commissioned officers are to report in full dress at 7:30 to help in the receiving line. Non-commissioned officers and girls are expected to appear in uniform with side arms.

Mrs. Maclaurin, Mrs. Edw. T. Cole and Mrs. E. F. Miller are to be the matrons for the occasion. Horticultur- al Hall has been very artistically decorated for the event by the committee in charge. The main part of the decorations consist of tech banners and streamers. Several officers of other military organizations in Boston, Wakeside, Stoneman, Brockton and Salem are to be present as guests and will appear in full uniform.

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**B U Y - A - T I C K E T.**

**O F C O U R S E E V E R Y O N E H A S H I S O W N P A R T I C U L A R I D E A O F W H A T A T Y P I C A L B A C K - B A Y m a t r o n s h o u l d b e l i k e. W h y
even the virile freshman who is still going through the threes of Military Science has been in Boston long enough to have formulated his impression on this subject. But no matter what the impression is which may be new prevalent, there can be no exaggeration in saying that the best delineation of this character that has ever been done on a Boston stage will be presented in the one-act, four scene comedy skit, "Pat Cohorn". The playwrights have spent hours in depicting this society matron, Mrs. Cooper-Cooper by name, and have succeeded in producing a character which is screamingly funny in all of her actions. Moreover she is very animated by her distorted views on life as she sees them with eyes which look only through the lines and, family connections. Mrs. Cooper-Cooper will take Huntington Hall by storm on March 5 as the man who has been chosen to interpret the part is one of the ablest actors in the Institute who has more than once held audiences of Tech Show spellbound.

In this same little skit there is one other character who is bound to find favor in the eyes of the Technology undergraduate. He is a Harvard man. In this same little skit there is one other character who is bound to find favor in the eyes of the Technology undergraduate. He is a Harvard man. And what a beautiful type of Harvard man! He is exactly the kind that the (Continued on Page Three)

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**M. E. S C H O O L S H O W.**


The M. E. Society has picked out the Edison Plant on L street for their trip next Tuesday and Wednesday afternoons. The plant is the largest in Boston and supplies electricity to greater Boston and even taking their wires down as far as the Rhode Island line. The power is used for street and house lighting purposes as well as to furnish power to factories. In the boiler room of the plant there are six rows of boilers, making a total of sixty boilers, each having a rating of 150,000 B. T. U. The total boiler power developed is 30,000. The boilers are fed by automatic stokers of the Murphy and Roney types. The turbines are Curtis vertical turbines rated at 1500 KW each, three 12,000 KW generators, three 16,000 KW compound Curtis engines.

Members of the society wishing to take the trip are to turn in their names to Purchasing Agent, Tech BB 8115 if they are going on Tuesday or to Treat BB 8907-R if on Wednesday.

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**N E W B U R S A R G E T S A C Q U I R E D W I T H T E C H S t u d e n t s I n T o d a y.**

Yesterday noon, in the Union, Mr. Horace S. Ford, the new Bursar, spoke to a crowd of men that nearly filled the room. He spoke on the topic "Self-Service or Some Other Kind." In opening his talk, Mr. Ford said that he was very glad of this opportunity to get acquainted with the men, and that he wished to voice his hearty approval of the work of the T. C. A. He was pleased to see that in the Institute there is an organization like the T. C. A. and carrying on such work as the association had been doing in the past. He said that the keynote of an organization like the T. C. A. must be "Service." In accepting the position of Bursar at the Institute, Mr. Ford said that he had stepped out of a large and happy business family, and had entered a large and equally happy educational family. In doing so, he regretted that he can not be by that he is a Tech man, a graduate of the In-

(Continued on Page Two)
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GLEYE CLUB REHEARSAL

There will be a Glee Club rehearsal this afternoon at five in the Union. As the concert at Holdsworth comes next Friday evening it is, therefore, important that everyone come, as there will be two more rehearsals. There will be no Mandolin Club rehearsal Monday; the next rehearsal will be held Thursday.

1917 EXECUTIVE COM.

The picture of the Freshman Executive Committee will be taken at Normann's today at 1:15.

According to the latest reports, Prof. Korn, who is the inventor of the photo telegraph system, states that progress on his invention has progressed to such a degree that next year he believes he will be able to transmit photographs across the ocean by cable. He hopes to be able to send them from Europe to New York and from thence to the Panama-Pacitic Exposition at San Francisco.

BOAT CLUB OFFICERS MEET.

(Continued from Page One.)

Probable E. E. SOCIETY TRIP

Members To Inspect New Boylston Street Subway

Tomorrow at two o'clock the members of the E. E. Society who have signed up will leave the Library in Lowell for an inspection trip of the new Boylston Street Subway, now in the process of construction. Through the courtesy of Mr. R. E. Conant, the contractor, the men will be enabled to get a glimpse of the inner workings of the great enterprise, and it is expected that the practical value of the ideas gained during the expedition will prove of material value to them. Mr. Neisw has arranged to have one of the officials of the company to conduct the party.

ELECTORAL COMMITTEE

The meeting of the Technique Electoral Committee will be held today at 4:40 in 27 Rogers. Owing to a rule that the time and place were announced wrongly in yesterday's issue, the recommendation will be considered as revoked.

THE TECH

Distributed as second-class matter, Aug. 13, 1913, at the postoffice at Boston, Massachusetts, under Act of Congress of March 3, 1879.

Published daily, except Sunday, during the year by students of the Massachusetts Institute of Technology.

Managing Editor: H. W. Lamson, '15
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Assignment Editor: L. E. Armstrong, '15
General Manager: S. H. Taylor, '14

In CHARGE OF THIS ISSUE.

Editor, H. P. Gray, '16
Assistant, A. D. Note, '17

With the mid-year exams now tucked safely away in the past we note with wonderment the growing number of men whose time is no longer monopolized in the pursuing of card games in the Union. The same faces every day—occasionally a new one is welcomed and becomes part and parcel of the "crowd." Surely here is wasted time. Dr. O. P. Gifford, the Foxboro inmate will be the better for it.

Prof. Horgan, president of the St. Vincent de Paul Society, spoke at a dinner at the Foxboro State Hospital.

Dr. Horgan spoke upon the reaction of drugs, in particular the quickerness of his perceptive faculties, to the Foxboro institution, and described the method employed to overcome these effects and to restore the inebriate to normal health.

A man's mental powers, declared the speaker, as measured by the dexterity of his handwriting, decrease in proportion to the degree of drunkenness. He also emphasized the danger of beginning by moderate drinking, describing further the attendant symptoms which proclaim the habitual drinker.

The treatment of inebriates taken at the Foxboro institution does not depend upon the reaction of drugs. In fact, Dr. Horgan said that no medicine was used at all in these cases. The remedial efforts are all aimed toward keeping the subject away from the taste of alcohol and improving his general physical condition. In this connection, the speaker said that the State had purchased a farm to facilitate this method of treatment, to which the Foxboro inmates will be moved.

Dr. Horgan closed his talk with a few suggestions to his listeners for helping any unfortunate who in the future might come to their notice.

Activities are all in need of men. In exchange for services they give excellent business preparation—everything one of them. Come out for the activities. You will be the better for it. Form new friendships, real friendships that will last a lifetime. And at the same time help the Institute.

The TECH recently issued a call for new men that received but meager response. The Tech Show—according to all published reports—has the smallest number of candidates in several years. There is a two hour limit on all activities. Fellows, come on. Make your Tech Spirit tell. Broaden your self. Don't waste time.
Our readers are doubtless somewhat familiar with the methods of motion picture projection by which a series of pictures is flashed upon the screen at a rapidity of sixteen per second. About 75 percent of the time the screen is actually illuminated and during the remaining 25 percent it is darkened by a shutter which comes in path of the projecting ray while the picture is being changed. Owing to a physiological phenomenon known as persistence of vision, the mental impression of the image upon the retina of the eye persists long enough to produce an apparent continuous motion if the pictures are "run" at this rate.

The sense of vision is, of course, considerably strained in viewing these pictures, much as the auditory nerves are strained in listening to the imperfect speech heard in a telephone receiver, and the eyes soon become tired by the blinking effect caused by the revolving shutter. Furthermore, the films, which are made of celluloid, are usually just on the point of ignition with even the instantaneous exposure in the intense light and heat which must be maintained in order to produce a sufficiently clear image upon the distant screen. Thus there is a considerable risk of fire and extreme precautions have to be taken in storing picture houses.

The Scientific American for Feb. 14, 1914, describes a new form of "movie-camera," called a movenoscope, which the inventors claim will do away with many of the objections to the old machines. There is no revolving shutter, no troublesome flickering. A continuous visual image is given from a steadily moving film by an apparatus which causes one image to dissolve into the next. This effect is produced by an arrangement of revolving mirrors by means of which the projecting beam of light is focused on the film in such a manner that during the period of transition of one picture into the next, both of them are illuminated by one half of the total illumination, which total always remains constant.

With this machine the pictures may be taken at longer intervals and need to be run at only about eight per second, thus enabling a "300-foot play" to be run on a 500-foot reel. This process is not so dependent upon the persistence of vision and consequently it is not necessary to run the reel so rapidly, thus making the motion picture more valuable in a critical study of such motions as running, jumping, etc. The dissolving images make the pictures "stand out" with a remarkable life-like perspective. Because a weaker projecting ray may be used the reel may be run slow at will and the risk of fire is reduced.

One of the most important improvements claimed for this machine is the substitution of a steady for an intermittent motion of the film and the consequent elimination of a somewhat jerky, indistinct image and noise of operation.

The University of Pittsburgh is offering a course in Dramarot this year.

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TECH AND WILLIAMS TO PLAY HOCKEY GAME

The following men have been chosen to take the trip and will meet Manager McRae in the Union at 8:45 Saturday morning: Sawyer, Winton, Fletcher, Osbourne, Elchich, Lowenburg, Rose and Captain McLeod.

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Evgs. 8. Mat. Wed. & Sat. at 2

THE BEAUTY SHOP

HOLLIS ST. THEATRE
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THE NEW HENRIETTA

PARK THEATRE
Evgs. 8.10. Mat., Thrus., & Sat. at 2

BOSTON THEATRE
Evgs. 8. Mat. Wed. & Sat. at 2

WAY DOWN EAST
Prices 50c to $1.50

COLONIAL THEATRE
Evgs. 8. Mat. Wed. & Sat. at 2

THE DOLL GIRL

PLYMOUTH THEATRE
Evgs. 8.10. Mat., Thrus. & Sat. 2:10

UNDER COVER

MAJESTIC THEATRE
Evgs. 8.10. Mat., Wed. and Sat. at 2

WITHIN THE LAW

SHUBERT THEATRE
Evgs. 8. Mat. Wed. & Sat. at 2

THE WEDDING NIGHT

CASTLE SQUARE THEATRE
Daily at 2:10 and 8:10

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TECH AND WILLIAMS TO PLAY HOCKEY GAME

Teams will Play at Williams-town Saturday—Odds Are in Tech's Favor.

"Yale Record" so delighted in depicting. He is also the kind which makes him a wonderful match for Mrs. Cooper-Cooper's daughter. To miss seeing him on the stage as he will be given by another Tech Show man would be to miss a feature which any man would be sure to regret the rest of his life.

And then there is the Tech man, tall, strong, with no care for society, but a great longing for the love of the fair daughter. Hence there enter complications. But to discuss this playlet further would be to tell too much. Rather let this much information serve to whet the appetite for a further knowledge of the document which is to come with "Yish-kabibble."

Besides this act there will be three others. Space forbids that more than one other can be mentioned in this issue, but watch the TECH for more. The one that can be mentioned is a musical confection which has already had the approval of the crowned heads of Europe and which was secured for this entertainment only through the most strenuous efforts on the part of a well-known New York producer.

In the first place its opening is novel. Let this be sufficient information on this point—it is one of the most spectacular beginnings that was ever devised for a musical combination. And, in the music, "The Madonna" will be sure to describe its wonderful harmony, the beauty and sweetness of its unmatchable tones, and the perfect technique with which it will be rendered were sacrefice. Symphony Hall has never heard such sounds and there is no artist in the Metropolitan Opera House able to compare with those two who are to compose this part of the program. But description were in vain. Rather let no one fail to come and hear this remarkable treat.

Remember the tickets that are to put on sale this Saturday, and do not fail to watch this space to-morrow morning for a sensational announcement that will exceed in its astounding proportions anything that has yet been said concerning "Yish-kabibble."

SENIOR PORTFOLIO

Feb. 28 has been set by the committee as the last day when Seniors can sign up for their sittings with the photographer. After that date it will be impossible to set any appointments with him. At the present times about three-fourths of the class have signed up and about one-half have had their pictures taken, while only sixty men have turned in their proofs to the committee.

The members of the committee feel that they have given sufficient publicity to the matter and that as the sittings are entirely free and only taken about two minutes that there is no excuse for not "getting in" the Portfolio.

FACULTY NOTICE

First Year English,
Sections 12, 16, 18, 19 (9 to Z), will not meet with Mr. Heyer on Friday, Feb. 20, at 12.

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