

THE TECH

VOL. XXXIII. NO. 111.

BOSTON, MASS., FRIDAY, JANUARY 2, 1914.

PRICE TWO CENTS

DEAN BURTON APPROVES T. C. A. NOONDAY TALKS

Says Thursday Meetings Help Students—Pays Tribute To Bursar Rand.

In speaking of the work of the T. C. A. Thursday noon, Dean Burton said that the Association has been more successful in the last year than ever before. The number of men interested in the work is much greater than formerly. In its early days the T. C. A. was not well fitted to the environment of Tech, and consequently did not accomplish as much as it might have. He said that the present system of noonday talks, instituted by General Secretary Talbot, has made a great change in the effectiveness of the Association. These meetings are admirably adapted to the conditions here. The men get an opportunity to get together at a time when they have nothing else to distract their attention, and listen to speeches on vital topics. As a result the T. C. A. has become an important factor in student life. It does things which would be greatly missed if left undone.

The Dean also praised the newly introduced system of appointing advisors for new men. He said that many of the Freshmen had told him of the valuable help they received from their advisors. He also mentioned the fact that the Association is essentially a student organization. It is controlled by the undergraduates and alumni, and they are responsible for its success. Moreover, it is so conducted as to appeal to all students, regardless of sect. Its straightforward creed should appeal to all.

As the principal thing that the T. C. A. needs, the Dean mentioned the cultivation of a spirit similar to that present in the boy scout movement, the spirit of helping one's fellow-man. The boy scouts are trained to help whenever they see an opportunity without waiting to be told, just as a matter of course. More of this spirit is needed at the Institute, and the T. C. A. men are the proper ones to encourage it.

One opportunity for developing responsibility for the welfare of things around us, is in showing ourselves
(Continued on page 3.)

CHEMICAL SOCIETY SMOKER

Prof. Moore Will Give Talk On His Travels.

Prof. F. J. Moore will speak tonight at the Chemical Society smoker about his trip, taken last summer, from Germany to Spitzbergen and Iceland. He will show a number of lantern slides taken by himself and Prof. Derr of places passed through on the way and of places to which special excursions were made, together with a large number of glacier views taken and made up by Prof. Derr. Prof. Moore will tell of the life on ship board.

President Dickson announces that it is to be the last meeting of the Society before mid-year, and that a cordial invitation is extended to every Institute man who would like to come.

SOPHOMORE DINNER COMES TONIGHT

Class Baby To Be Presented—Four Speakers Are Announced.

At the Sophomore dinner that comes tonight at 6.15, the Class of 1916 will get its first official glimpse of the class baby, Mr. Malcolm Dinsmoor Kemp. The youngster is the son of E. L. Kemp of Course II, and was born last February. A large percentage of the class is expected to be there to give him a welcome.

The speakers are to be Prof. Noyes, Prof. Wickenden, David Carb and Joseph Lipke. Professor Noyes is associated with the chemical department, Professor Wickenden with the electrical, while Mr. Lipke is with the mathematics and Mr. Carb with the English department. With these speakers chosen from different departments and being interested along different lines, there will be, without doubt, quite a variety in the subjects that they handle.

The committee has arranged with Mr. Colton for a dinner that is out of the usual line of delicacies served in the Union at dinners, and one that will appeal to the majority of the class. Just what the menu will be the committee is keeping secret. The dinner starts promptly at 6.15.

ORCHESTRA CONCERT

Concert To Be Given Saturday At Y. M. C. A.

The Tech Show Orchestra will give its first concert at the Y. M. C. A., Huntington Avenue, on Saturday evening at 8.00. The orchestra will be assisted by the Banjo quintette and Tallman, Shedd, Yey and Chow. Ladies are invited to attend and the tickets, which will be reasonable, may be obtained at the door.

All members of the orchestra are requested to report not later than 7.45 in formal dress. The men that did not attend the last rehearsal should report, as their presence will have some bearing on the final cut, which is to be made in the near future.

MUSICAL CLUBS

A picture of the Combined Musical Clubs, that is, Glee, Banjo and Mandolin Clubs, is to be taken at Notman's on Saturday. Every member should be there in dress clothes at 1.30. There are to be no more concerts until after mid-year.

SOPHOMORE PIPES

The sale of 1916 class pipes will be continued in the Union today between 1 and 2 and between 4 and 6. The pipes are \$2.50 and a deposit of \$1.50 is required at the time of ordering.

Harvard's hockey team lost to the seven of the Syracuse Hockey Club last Wednesday night.

For the first time since 1887 Williams has been left off the Harvard football schedule.

COMPETITION FOR OFFICE ON SHOW BOARD BEGINS

Half Dozen Freshmen Turned Out For Yesterday's Meeting—More Wanted.

Six men responded yesterday to the call for candidates for the position of second assistant publicity manager of Tech Show. These were E. E. Moody, H. J. Quilhot, R. H. Ross, R. S. Stevens, T. Z. Haviland, K. E. Bell. First Assistant Publicity Manager Lucas met with them, ascertaining their qualifications for the position and assigning work for the competition. Practically all of the competitors have had previous experience in work of the character required, either at high or preparatory school, thus necessitating a minimum of breaking-in.

The competition will occupy the next two weeks. For the convenience of any Freshmen who were unable to meet him yesterday, Lucas will be at the Show office tomorrow at 3.00 and at 5.00 o'clock.

1917 VS. HAVERHILL

Basketball Team Plays High School Five This Evening.

The Freshman Basketball Team leaves this afternoon for Haverhill, where they will meet the High School five. The train leaves North Station on Track 11, at 5.45. Manager Rausch wants the following men to report: Richardson, lf; Rausch, rf; Gokey, c; O'Brien, lg; Kendall, rg; Cowlin and Gargan, substitutes. Richardson, who has been playing guard all season, has been shifted to left forward and will play that position from now on.

E. E. TRIP TO QUINCY

This afternoon the Electrical Engineering Society will take a trip to Quincy to visit the plant of the Fore River Ship Building Corporation. The members, who intend to go, are requested to meet at 2.25 at South Station, outside the gate of Track 21. Those wishing to start from Lowell Building should leave at 1.45, if they walk, or take the 2.06 train from Huntington Avenue Station.

INVENTS NEW X-RAY LAMP

William David Coolidge, Ph. D., M. I. T. '96, is the inventor of a new X-ray lamp of greater penetrative power than those now in use. Dr. Coolidge, who is also the inventor of the tungsten filament for incandescent electric lamps, is the assistant director of the research laboratory of the General Electric Company at Schenectady, N. Y.

ACTIVITIES DIRECTORY

A list of the different activities of the Institute with the officers of the same and their addresses was posted yesterday in the small bulletin board in the Union, near the Cage. The list was posted by the point system and they wish to be notified of any omissions or corrections.

INSTITUTE COMMITTEE HEARS REPORTS

Co-operative Society Reviewed—Resolutions Adopted—New Verse Of "Take Me Back To Tech."

At the meeting of the Institute Committee yesterday afternoon several important reports were accepted, and a third verse was added to the song "Take Me Back to Tech."

The meeting was called to order at 4.30 by President Dorrance. Dean, Hulburd, Wyman, Langley, and McPherrin were absent. After the minutes of the last meeting were read, the resignation of W. L. McPherrin as Chairman of the Union Committee was accepted. The nomination of George A. Beach for this office by the Executive Committee was ratified.

The report of the Point System Committee was accepted, along with the recommendation that membership in it be not restricted to members of the Institute Committee.

Concerning the reorganization of the M. I. T. Co-operative Society, there seems to be some difference of opinion among the alumni. The report of the committee investigating this Society reviewed its government and operations in the past, and went on to recommend a new scheme of reorganization. At present the Society is governed by a board of directors consisting of the President of the Institute, four undergraduates and a graduate treasurer. This board meets once a year to hear the treasurer's report and elect officers for the ensuing year.

Starting first with the sole purpose of obtaining a list of affiliated tradesmen, the Society gradually accumulated money which was later used for scholarships. As it developed, supply rooms were established, and sales of books and supplies were held in Rogers every fall.

The main trouble is, as represented by the committee, that there is at present only one active member, A. D. MacLachlan. He carries on all business, buys supplies, fixes prices, and attends to all administrative details. The committee plans to remedy this by the following resolutions.

"That an incorporated society be
(Continued on page 4)

CALENDAR

Friday, January 2, 1914.

- 1.00-2.00—Sale of 1916 Class Pipes at Union
- 2.25—E. E. Society Trip—South Station, Track 21.
- 4.00—Meeting of the Chess Club Executive Comm.—Union.
- 4.00-6.00—Sale of 1916 Class Pipes at Union.
- 6.15—1916 Class Dinner—Union.
- 7.30—Chemical Society Smoker—Union.
- 8.00—Basketball, M. I. T. 1917 vs Haverhill High—Haverhill.

Saturday, January 3, 1914.

- 1.00-2.00—Sale of 1916 Class Pipes at Union.
- 1.30—Combined Musical Club Picture—Notman's, 3 Park Street.
- 8.00—Orchestra Concert—Y. M. C. A.
- 8.00—Wrestling Meet, M. I. T. vs Clapp Memorial—Weymouth.

THE TECH

Entered as second-class matter, Sept. 15, 1911, at the postoffice at Boston, Mass., under the act of Congress of March 3, 1879.

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

MANAGING BOARD

S. H. Taylor, '14.....General Manager
E. A. Weaver, '15.....Editor-in-Chief
L. E. Armstrong, '15.....Managing Editor
C. W. Lacy, '15.....Advertising Manager
H. Rogers, '15.....Circulation Manager
G. A. Palmer, '15.....Treasurer

NEWS BOARD

J. B. Carr, '16.....Chief News Editor
C. A. Sandburg, '14.....Assistant
J. K. Heller, '16.....Assignment Editor
W. T. Knieszner, '16.....Institute Editor
R. Mills, '16.....Assistant
K. D. Kahn, '15.....Assistant
G. W. Wyman, '16.....Societies Editor
E. F. Hewins, '16.....Assistant
H. W. Anderson, '15.....Exchange Editor
L. E. Best, '15.....Athletic Editor
H. P. Gray, '16.....Assistant
C. W. Loomis, '16.....Associate
Editor-in-Chief
P. W. MacNeill, '15.....Editorial
H. W. Lamson, '15.....Science Notes

BUSINESS BOARD

A. E. B. Hall, '15.....Assistant Treasurer

NEWS STAFF

C. W. Hawes, '16 J. M. DeBell, '17
B. N. Stimets, '16 H. E. Lobdell, '17

BUSINESS STAFF

R. Alfaro, '16 S. Keith, '16
F. S. Conaty, '17 H. P. Claussen, '16

OFFICE HOURS.

(Daily except Saturday)
General Manager.....5.30 to 6.00 P. M.
Managing Editor.....5.00 to 6.00 P. M.
Advertising Manager.....1.30 to 2.00 P. M.
Treasurer.....1.30 to 2.00 P. M.

Office, 42 Trinity Place.
Phone—Back Bay 5527 or 2130.
Night Phone—Back Bay 5527.

Subscriptions, \$2.00 per year, in advance. Single copies, 2 cents.
Subscriptions within the Boston Post-
al District, and outside of the United
States, must be accompanied by postage
at the rate of one cent a copy.

FRIDAY, JANUARY 2, 1914.

In Charge of This Issue

Editor: Harold Gray '16
Assistants: R. S. Stevens '17, W. F. Johnson '17.

Dean Burton's criticism of the conduct of individuals in the Union should bring this subject to the attention of all Tech men, particularly those at whom it is aimed. Since discourtesy to guests in the Union reflects, not only upon the guilty men, but on all Technology, it is up to the student body in general to see that it is stopped. If sufficient public censure were manifested, the most refractory offenders could be brought into line. The Union should be of particular interest to outsiders as giving a glimpse of the student in his every-day life, with all affectation laid aside; and as offering an accurate view of the much misunderstood "college life." Instead, we find it characterized by the boorishness of an infinitesimal though aggressive minority.

It is fortunate that we have a man who can make just such a criticism as this. The unique relationship which Dean Burton bears to the student body enables him to speak as he did without seeming officious. The student body cannot but appreciate his interest, and will be brought by the incident to realize more than ever that Faculty and students are working for the same end—the betterment of Technology life in all its departments.

List of Activities

The alphabetical list of all Institute organizations, which the Point System Committee has posted in the

ENGINEERING AND SCIENTIFIC NOTES

Do plants have nerves? Until recently scientists generally believed that this was not so. It was well known that certain plants exhibited a nerve-like twitching when subjected to a blow or a pinch of some sort, but this was attributed to a mechanical cause, the belief being that the phenomenon was one of transmission of motion by hydraulic means. Recently, however, some important experiments performed by Professor J. C. Bose on the particular plant *mimosa* have entirely disproved these ideas. Instead of employing a mechanical force as would be necessary to produce a mechanical twitching, he excites the nerves of the plant by an electric shock. The stem of the *mimosa* plant, which is jerked downwards under the stimulus of the shock, is connected with a delicate thread to a very ingenious device capable of measuring time with precision to one thousandth part of a second.

With this apparatus Professor Bose proved three facts which can only be explained on the hypothesis that these twitchings are nerve-like in character. First, the time taken for transmission of the impetus was found to be dependent on the temperature, a difference of only nine degrees doubling the time. Second the application of a drug or poison deadened or completely eliminated the effect. Third, the twitching was arrested by a continuous flow of electric current as is the case with nervous action in animal tissues.

It was found that with *mimosa* the latent period, or the time required for the plant to perceive a sensation, was less than a tenth of a second and that the sensation traveled with a velocity of twenty millimeters per second. These figures show that this plant, while much less sensitive than the higher forms of animal life, had still a more responsive nervous system than many of the lower animals, a remarkable fact in itself. Furthermore, continued excitation of the nerves temporarily dulls them so that they require a period of rest to regain their normal activity.

It also seems that, as in animal life, this nervous system requires use for its proper development. A normal helathy plant which had been carefully grown under glass, where it was protected from the mechanical disturbances to which it would have been subjected in nature, was found to be especially dormant until subjected to the "hard knocks of life" which served to cultivate a normal system after some days.

A detailed account of these experiments will be found in the issue of the *Scientific American Supplement* for December 27th.

FACULTY NOTICES

The problem books for the Physics Heat Course may be obtained in the basement of the Walker Building.

The Political Economy Exercises will not be given between December 29th and January 3d, inclusive.

Union, is a thing which will be greatly appreciated. Annoyance through inability to locate an officer of some activity has been such a constant occurrence in the past that the wonder is no list has been posted before. We congratulate the Committee, and hope they will carry on the good work by keeping the list up to date.

BACK BAY BRANCH

State Street Trust Co.

130 MASSACHUSETTS AVENUE, BOSTON

Safe Deposit Vaults

Credits interest monthly on accounts of \$300 and over

MAIN OFFICE, 33 STATE STREET

STONE & WEBSTER

CHARLES A. STONE, '88
RUSSELL ROBB, '88
ELIOT WADSWORTH, '91

EDWIN S. WEBSTER, '88
HENRY G. BRADLEE, '91
DWIGHT P. ROBINSON, '92

JOHN W. HALLOWELL

Securities of Public Service Corporations

Under the Management of our Organization

STONE & WEBSTER
Management Association

STONE & WEBSTER
Engineering Corporation

General Managers of
Public Service Corporations

Constructing Engineers

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

Sole Manufacturers of

"TOBIN BRONZE"

(Trade Mark Registered)

EIMER & AMEND

HEADQUARTERS

FOR

CHEMICALS, CHEMICAL

APPARATUS, MINERALS, ETC.

WE CARRY THE LARGEST STOCK OF
LABORATORY SUPPLIES IN THE U. S.

First Quality Supplies Only

Prompt Service

Our European connections are such that we are enabled to offer you the best services for duty free importations on scientific supplies at the lowest prices.

Analytical Balances and Weights
ONE OF OUR LEADING SPECIALTIES

EST'D - 1851
203-211-THIRD-AVE
NEW-YORK-CITY

GET YOUR BOOKS AT

The Old Corner Book Store, Inc.

27 AND 29 BROMFIELD STREET

BOSTON

ATLANTIC PRINTING COMPANY

ENGRAVERS
PRINTERS
BOOKBINDERS

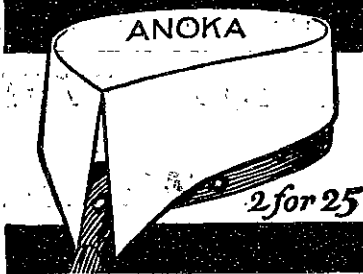
Phone 4960 Oxford

179 South St., Boston

Printers of "The Tech"

Anoka New
ARROW
Notch **COLLAR**

Cluett, Peabody & Co., Inc. Makers



ESTABLISHED 1876

Brooks Brothers
CLOTHING
Gentlemen's Furnishing Goods.
BROADWAY COR. TWENTY-SECOND ST.
NEW YORK

Winter Suits and Overcoats
in the
widest range of materials

Garments for all
outdoor Sports

English Haberdashery

Hats Shoes

BOSTON BRANCH
149 Tremont Street

Hotel Plaza
Columbus Ave.

Rathskellar

Special dishes served for two at moderate prices. For banquets large or small see Mr. Hyams

Who Does Your
Typewriting and
Stenographic Work?

Try

W. P. Watson

THE (upper) TECH OFFICE

"The lowest price consistent with the best work"

DEAN BURTON

(Continued from page 1)

able to care for the student rooms. Dean Burton said that the present Union is a means of testing the responsibility of the students. If the men care well for the Union, the Alumni will be willing to give them a better building at the New Site. He said that this applies especially to the members of T. C. A., since, if they show the proper ability, the Corporation may assign a part of the dormitories to the care of the Association.

As an example of the value of unselfish spirit of helpfulness, the Dean cited the late Bursar Rand. When he first came to the Institute, he had a position like that of an accountant. He was required to do work that took but a few hours a day, which did not demand that he take any especial interest in the Institute. Though his nominal duties were so small, he voluntarily extended his work and his interests to such an extent that his loss is felt more than the loss of any other man here at Tech would be felt. He considered that his work was among the students, and he aided many of them who had a hard time to struggle along. He was a good example of a man who tried to find what good he could do in the world.

In conclusion, the Dean spoke of the noise which had interrupted his talk. He said that he himself was used to noise, and did not mind it, but that other speakers might object. When men of such note as Bishop Lawrence accepted invitations from the students to speak, the Dean considered it very inconsiderate in the men to allow loud talk and laughter in the small rooms of the Union.

The Junior Class at Brown has voted six dollars for the support of the chess team. The team expects to use this in support of the annual trip to New York.

With one exception the captains of six of the most important eastern college teams take part in the dashes. The exception is K. R. Shears of the Navy, who is entered for the 220-yard.

The oldest of the dormitories at Dummer Academy was destroyed by fire Wednesday afternoon. Dummer was the first "prep" school established in this country.

BEST PRICES

On

DRAFTING INSTRUMENTS,
PAPERS, TRACING CLOTH,
TRIANGLES, T SQUARES,
SLIDE RULES, PENCILS, ETC.
PAINTS, VARNISHES AND
HARDWARE

Wadsworth,
Howland & Co.

Incorporated

222 CLARENDON ST.

Also

84 WASHINGTON ST

Annual Reduction in Colored Custom Shirts

From December 26th, 1913, to January 31st, 1914, we will make our regular \$3.50 Colored Custom Shirts for \$2.75, in plain bosom or negligee style with neckband and one pair of cuffs attached or separate---in quantities of one-half dozen or more.

Also our \$4.00 and \$4.50 Colored Shirts, styles as above for \$3.25---in lots of one-half dozen or more.

Fit and Quality of Workmanship Guaranteed

C. F. HOVEY & CO.
Boston, Mass.

Old Colony Trust Company

Capital . . . \$6,000,000

Surplus . . . 8,000,000

Equipped to Furnish Every Banking Facility

One account commands the services of
two centrally located banking offices

17 Court Street

52 Temple Place

Boston

McMORROW

College Shoes for College Men

238 Washington Street, Boston, Mass.

OPPOSITE THOMPSON'S SPA

AT THE
THEATRES

TREMONT THEATRE

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

The Red Canary

HOLLIS ST. THEATRE

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

DONALD BRIAN

— IN —
Marriage Market

PARK THEATRE

Evgs. 8.10. Mats. Wed. & Sat. 2.10

THE CLEVER WOMAN

Prices 1.50, 1.00, 75c, 50c, 25c

BOSTON THEATRE

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

THE WHIP

Prices 25c to \$1.50

COLONIAL THEATRE

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

THE LADY OF THE
SLIPPER

PLYMOUTH THEATRE

Evgs. 8.15. Mats. Thurs. & Sat. 2.15

UNDER COVER

MAJESTIC THEATRE

Evgs. 8.10. Mats. Wed. and Sat. at 2.

LITTLE WOMEN

SHUBERT THEATRE

Evgs. 8. Mats. Fri. and Sat. at 2.

The Passing Show of 1913

CASTLE SQ. THEATRE

Daily at 2.10 and 8.10

MISS POCAHONTAS

STUDENTS

PATRONIZE

OUR ADVERTISERS

*Young Mens Hats
for Every Occasion*
COLLINS & FAIRBANKS COMPANY
383 WASHINGTON STREET - BOSTON

INSTITUTE COMMITTEE

(Continued from page 1)

organized and capitalized for such sum as a body of 25 shareholders, made up of Faculty and Alumni, shall see fit. This body shall represent the financial responsibility of the Society. They shall elect yearly a board of directors from each group of members, that is, Faculty, Alumni, and Undergraduate, with the exception that the Institute Committee shall have the final election of the undergraduate members from the various classes or courses.

"That the Board of Directors shall include the officers of the society, shall carry on all transaction . . . and shall elect a superintendent, who will have the power to appoint his assistants. These shall be ratified by the directors, however.

"Membership shall be open to all persons connected with Technology in any way, including Alumni. The fee shall be \$1.00 per year.

"The location shall be within the Institute buildings and furnished free of rental charges by the Institute.

"All articles shall be sold by the society which in the opinion of the directors are salable. The committee further recommends that all articles be sold at as great a discount as possible."

At the recommendation of the committee on the relation of Tech Show and the Institute Committee, it was resolved that the President of the Institute Committee be ex-officio member of the Show undergraduate board, and that the Institute Committee settle all disputes in the board, and ratify all appointments to it. By a further vote, the signatures of the President and of the General Manager of the Show were affixed to these resolutions, thereby making them binding for all future Shows.

The question of supporting athletics provoked some discussion, during which a letter from Major Briggs was read. Finally it was voted to turn over immediately to the Advisory Board of Athletics the sum of \$650. and to have a committee appointed by the chair to confer with Major Briggs, in order to see how far support by the Institute Committee is advisable, and how the money should be spent.

A third verse of "Take Me Back to Tech" was accepted. It was sent in by ohn R. Stevens, President 1911, from the Tech Club of Northern Ohio, and is as follows:—

MASSACHUSETTS
INSTITUTE OF TE-
CHNOLOG, and Y comes after G,
Massachusetts Institute
of Technology.

It was voted to have the Committee picture taken next Tuesday afternoon at 1.15 at Notman's.

Although the majority broke the Tango Rule at the Illinois Junior Prom not a single violation by a sorority girl has been registered by the committee of censorship.

COMMUNICATION

To the Editor of THE TECH:

Dear Sir—In your last issue there was a communication regarding the proposed uniform class constitution. The writer criticised the section of the constitution which reads: "The polls shall be opened at 8.00 and shall be closed at 6.00 P. M." because he believed one day too short a period for balloting.

In reply, we wish to state a few arguments in favor of the procedure adopted in the constitution. At the present time, one week is allowed for balloting on each undergraduate election, and it is invariably found that a majority of the votes are cast on the final day of the election. According to the plan of election included in the new constitution, a certain day shall be set aside for the three upper classes, and polling places will probably be located at the Union and in Rogers Building. This last scheme will enable men to vote between recitations, and lack of time will be no excuse for failure to cast a ballot. The fact that the three upper classes hold their elections on the same day will insure greater publicity than has been obtained in the past, and in addition there will not be the same tendency to put off voting until the last moment, as has been the case under the present system. Since the candidates for offices must be announced a week before the date set for the election, ample time will be given for consideration of the men nominated.

One day elections have been found most satisfactory in large elections, such as those of the city, the state, and even the nation. The committee appointed to draw up the uniform constitution feels that this procedure will work out equally well in our smaller elections.

Further communications on the subject of the constitution will be welcomed.

For the committee on a uniform constitution,

Arthur C. Dorrance.

GIFTS TO UNION

There has been recently added to the Union several new covers for the magazines. The Union is indebted to the Superintendent of Buildings and Power, Mr. Smith, for the same. The covers are of heavy-pasteboard bound with cloth and are of good serviceable quality.

In addition to this gift there has also been given fifteen new records for the Victrola, making a good addition to those now on hand. The records were given to the Union through the office and the name of the giver was not announced. The music contains some of the late popular songs and one or two opera selections.

The state legislature has voted \$40,000 for the support of the University of Pennsylvania.

The Original
TECH BARBER SHOP
585 Boylston Street
Copley Square
Bootblack Second Floor

STUDENTS' CAST-OFF CLOTHING
and other personal effects bought by
KEZER

360 Columbus Avenue
Near Dartmouth St.

Highest prices paid for same.
Tremont 918 Phone., Write or Call
Open Evenings to 9 o'clock

RICHARDS SCHOOL OF DANCING

30 Huntington Avenue
Huntington Chambers

Beginners' Class Monday 8 P. M.
Advanced Class Saturday 8 P. M.
Assemblies Friday 8.30 P. M.

Private lessons by appointment daily
Telephone B. B. 6060

Old Established Dining Room

33 SAINT BOTOLPH STREET

Mrs. H. O. Hanson, Prop.

21 Meal Ticket \$4.50 14 Meal Ticket \$3.50
7 Dinners - - 2.50 Lunches - - 1.50
Breakfast 30c. Luncheon 35c. Dinner 40c

DO NOT FAIL

to see us about your

CLASS & FRAT PIPES

We Carry the

BBB, GBD, Comoy, SSS, etc.

Pipes in all Styles

Schryver's Segar Store

44 School Street, Boston

THE
Barber Shops

AT THE
Copley Plaza

Boston, Mass.

AND THE

Plaza

New York

Are under management of

Carl A. Zahn

**Trinity Court
Bowling Alleys**

TECH BOWLING HEADQUARTERS

Established 1898. Opposite the Union

Two minutes walk from all Tech Buildings. Unexcelled facilities; the most fastidious Bowler can enjoy this fascinating and healthful pastime.

Alleys reserved and screened for private parties.

Come in and enjoy a little fun and exercise between periods.