

THE TECH

VOL. XXXI. NO. 17

BOSTON, MASS., MONDAY, OCTOBER 16, 1911

PRICE TWO CENTS

COSMOPOLITANS HOLD SUCCESSFUL SMOKER

Many Enjoy Club's Hospitality For First Time—National Chairmen Chosen.

Saturday evening the Cosmopolitan Club inaugurated this year's activities with a most successful smoker in the Union, which was decorated with flags for the occasion. Between fifty and sixty men were present, including a majority of club members and prospective members. The guests and members of the Faculty at the meeting were: President MacLaurin, Dean Burton, Professors Vogel, Langley, Doten and Seaver, Mr. M. N. Drew and Gorton James, who was the first chairman of the Union Entertainment Committee, and who initiated the Friday night entertainments. P. Eksergian, leader of the orchestra, had a quartet which very pleasingly gave several selections.

President Montt opened the meeting at 8 o'clock by saying that although the club might not be great in point of numbers, it had great aims. He introduced President MacLaurin as the first speaker.

President MacLaurin gave an informal talk on the value of such an organization to the Institute. This being a cosmopolitan school, drawing its members from all parts of the world, it is quite fitting that there should be a Cosmopolitan Club. The club has its value for the engineer, but more than that, for the man that would be truly educated, as no man is really so if his view is limited by provincial or local bounds. He spoke favorably of the national nights that were a feature of last year's organization, and expressed a hope that some similar affairs might be held this year. At the close of his talk the quartet played the intermezzo from Cavalleria Rusticana, and was roundly applauded.

Mr. M. N. Drew, formerly superintendent of customs for the Chinese government at Tien Tsin, was then introduced. He spoke on Sir Robert Hart, who was the head of the Chinese Imperial Customs Service for some time. In particular, he spoke of the personal characteristics of this man, who had absolute control of so important a service. During the course of his talk he gave many interesting side anecdotes of the customs service, its system, traditions and the circumstances attending the carrying on of the work. The quartet then rendered Beethoven's No. 4 string quartet, which was well received.

Consul Beltram of Mexico had requested to be excused from his engagement to speak this evening, but he will try to appear at a later meeting and speak on the Mexican revolution.

The meeting then adjourned to the large room of the Union, where refreshments were served and elections were announced of the national chairmen for this year. They are:

Latin America, M. A. Hernandez; Japan, E. Suzuki; China, T. P. Hei; British Empire, L. H. Lehmaier; France, Henri Lami; America, H. W. Hall.

The meeting broke up after general sociability and a couple of selections by the quartet.

A course in Esperanto, the new artificial language, will be given this year at Stanford.

NEW METHOD OF DAM BUILDING SHOWN

Desmond Fitzgerald Describes a System Which Is New to Engineers.

Among the many interesting subjects touched on by Mr. Desmond Fitzgerald in his talk to the Civils at their recent dinner, which were of necessity left out of the first account, is the new dam which is being built for power purposes across the Mississippi, from Hamilton on the Illinois shore, to Keokuck in Wisconsin.

At the point where the construction work is going on the river is more than a mile wide, and the difficulties encountered in the construction work would, on this account alone, seem to be almost insurmountable. The thing which has cleared up all of the apparent trouble is a bridge of concrete of one hundred and nineteen arches reaching from one shore to the other, and carrying the highway upon it more than forty feet above the high water mark.

Work on the dam itself will begin as soon as the bridge is finished and will be carried on at all parts of the structure at once. The work will be done from the bottom up, and the arches between the piers will thus be gradually closed by concrete up to a point about ten feet below the road level. Here there will be grooves running in vertical grooves to form the upper part of the dam.

At one end of the dam and a part of the other there will be an immense lock through which all of the enormous river traffic will have to pass in the future. This lock will also be of concrete and will be of the most modern type. Being a part of the dam, it will not necessarily interfere with the water level when it is opened to allow the passage of the river craft.

Built into and forming the other end of the structure there will be a power house for the turbine water wheels where will be developed the approximately one-quarter million horsepower. This house will of itself be 7700 feet long and over 100 feet in width. The power will be electricity transmitted to the many manufacturing plants in the immediate vicinity. There are some four million population here, and the benefits which will be reaped are evident to all.

The structure will be but another testimonial to the inestimable value of concrete in all kinds of modern engineering operations. Without it this structure would be of course an absolute impossibility; but with it, it is merely a matter of time, and this mightiest of dams will be one of the accepted features of engineering work.

1914 VS. E. H. S. AT FIELD.

On Tuesday afternoon the Sophomore relay team will run against the Boston English High School. The team consists of Captain Suelting, Bowler, Morrison, Gardener, Wyman, Sebben, Huff, Alexander, Wilson, Sutherland, Smith and Dorrance, with the substitutes, Fleming, Lucas and Keith. The English High relay team is very good and an exciting contest is to be looked for. We confess, however, that we expect the Sophomores to do their duty.

LECTURE ON "ITALIAN VILLAS" BY MR. GIDEON

Member of Institute Staff Will Present Results of His Travels.

Mr. Samuel Gideon of the Mechanical Drawing and Architectural Design Department will deliver an illustrated lecture on "Italian Villas" at the Public Library on the ninth of November, which it is well worth the while of every Tech student to attend, particularly the students of architecture.

There is an institution in the Boston Public Library which offers courses of lectures on different subjects. The talk to be given by Mr. Gideon will be one of the regular series of Thursday night lectures delivered under the auspices of that institution.

The lecture is to include a description of the different styles of villas, their locations in Italy and their various designs. Mr. Gideon has made a special study of this subject, and the lecture, which will be devoted for the most part to a consideration of the different styles, is sure to be very interesting.

Mr. Gideon has long been interested in this subject and his interest culminated last summer in a trip abroad for the purpose of studying this fascinating type of architecture.

The lecture on the ninth of November will be illustrated by photographs which the lecturer has himself collected, and should be of especial interest as, in reality, it is given to instruct and entertain the members of the Boston Architectural Club, of which Mr. Gideon is a member.

LARGE NUMBER OF MEN OUT FOR MUSICAL CLUBS

Last Friday afternoon 40 candidates for the Musical Clubs attended the trials in the Union, three times as many new men as turned out last year. Mr. Lansing, the coach, was present and states that the material is exceptionally good—the best in twenty years. There are now almost enough mandolins, but this should not deter any other men who wish to try out from attending the trials on Monday, October 16. Unfortunately, there was a great dearth of the bass instruments, tenor mandolas, cellos and guitars. The managers and coach hope to see more men playing these instruments report on Monday. Only two new candidates tried out for the Banjo Club, and as many as can should report at the next rehearsal, Wednesday, October 18. More banjos and a tenor mandola are absolutely needed. At a meeting of the old members Ralph S. Rankin, 1913, was elected leader, and R. B. Haynes, 1913, manager for the season.

No time will be lost in getting under way—the Banjo Club rehearsal, as stated on Wednesday, and the Mandolin Club on Monday, both in the Union at 4.15. Further announcements will be made on the bulletin boards.

THE TECH can still accommodate a few more yearly subscribers at 2 Bucks per. See the Circulation Manager at once. Come early and avoid the RUSH.

In continuation of the above, it is noticed that there are three dates scheduled on one of the evenings of next week.

HARE AND HOUNDS RUN LONG TRAIL SATURDAY

Needham Course Proves Very Fast and Bunch Shows Up Well at Finish.

Two dozen men followed the Hares over a long seven-mile course from the Needham Y. P. A. Clubhouse on Saturday afternoon. The country was exceptionally level and open, and as no blinds were laid, with a large part of the trail lying along macadam roads, so that very good time was possible. Pouncey and Shedd found the bags and started the sprint for the finish.

A very fast half-mile was run off and when the squad reached the clubhouse, Marceau, 1912, and Benson, the cross-country captain, were fighting for first place. Marceau won out by a small margin. Cary and Cartwright, both 1912, also put up a spirited fight, finally tying for fifth place.

Captain Benson announced that a training table would begin on Monday in the Union, and that the men were expected to report there regularly. Everyone realizes what a great advantage a proper diet gives, and they might do all they can to get that. The training table is the place to get the right diet, and this is the place for the cross-country men to eat from this time out. Training doesn't mean that one doesn't get good things to eat, but it does mean that one gets the right kind of good things that have been cooked in the right way.

The Fall handicap meet at the Field next Saturday will prevent any run of the Hare and Hounds' Club, as all the men will be expected to enter the distance events in the meet.

The men who were last Saturday in their order of finish follows: Hares, E. L. MacDonald, 1913, and E. W. DeWitt, 1912. Hounds, E. T. Marceau, 1912; H. S. Benson, 1912; E. E. Ferry, 1912; G. C. Shedd, 1914; C. A. Cary, 1912, and Kenneth Cartwright, 1912, tied; R. T. Palmer, 1913; R. D. Bonney, 1913; C. S. Lee, 1914; C. H. Wilkins, 1914; A. F. Peaslee, 1914; A. T. Milliken, 1913; M. B. Lewis, Jr., 1914; M. E. Hill, 1915; H. I. Pearl, 1912; S. W. Guncy, 1915; M. A. Oettinger, 1914; R. G. Brett, 1914; F. A. Achard, 1913.

There seems to be no reason why the men here at Tech should not come after their mail. They can't all be ducking bills, and besides, they should have a little feeling for the man who has to stay in there. Remember that if there is much more mail there he will be unable to get in.

CALENDAR.

Monday, October 16, 1911.

3.00—Track Practice at the Field.
4.00—Aero Club's First Meeting at the Union.

Tuesday, October 17, 1911.

1.00—1915 Class Meeting in Huntington Hall.
3.00—Track Practice at the Field.
3.30—1914 vs. E. H. S. Relay at the Field.
4.00—1913 Class Ballots due at the Cage.

Wednesday, October 18, 1911.

3.00—Track Practice at the Field.
3.30—1915 vs. Lowell Textile, Football, at Lowell.
7.45—M. E. Church Social, corner Tremont and W. Concord streets.

THE TECH

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

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

Managing Board.

H. W. Hall, 1912... General Manager

E. W. Tarr, 1912... Editor-in-Chief
L. W. Chandler, 1912... Managing Editor
C. A. Cary, 1912... Assignment Editor
A. H. Waitt, 1914... Chief News Editor

A. T. Gibson, 1913... Business Manager
L. H. Lehmaier, 1913... Adv. Manager
P. G. Whitman, 1913... Circulation Mgr.

News Board.

A. J. Pastene, 1913... Societies
M. Paris, 1914... Institute

News Staff.

In charge of departments:

N. A. Hall, 1912... Exchange
M. Lewis, 1913... Calendar
E. Steere, 1914... Athletics

Business Board.

D. E. Van Volkenburgh, 1914... Adv.

Office, 42 Trinity Place.

Telephone, Back Bay 2184.

All communications should be addressed to the proper departments.

Subscriptions, \$2.00 per year, in advance. Single copies, 2 cents.

Subscriptions within the Boston Postal District and outside of the United States must be accompanied by postage at the rate of one cent a copy.

Printed by Ruiter, 147 Columbus Ave.

MONDAY, OCTOBER 16, 1911

Field Day is but 18 days distant and the managers of the various teams are still calling for candidates to fill the positions on the several teams. Every one of the teams need more men, and it is up to those men who have the necessary weight to make the tug-of-war team or the necessary speed to make the relay team to come out to daily practice. Last year Field Day was very unsatisfactory on account of the unfavorable weather conditions, and this year, on account of not having had a good pleasant Field Day for two years, the interest will probably be doubled in the meet, and surely both sides will want to appear on the field in the best of condition and keyed up to the highest notch, a point which is reached only by the most consistent practice.

The Cosmopolitan Club began the year with a most successful smoker, and all omens point toward a most successful season. Last year the club under the leadership of Messrs. Sandstein and Hausman inaugurated the idea of holding "National Nights," students from each of the various nations represented supplying the entertainment for that evening. These entertainments proved very successful and were much appreciated by the members.

The committee proposes this year to follow out the same line, adding several interesting lecturers of Cosmopolitan fame, and now that the new site is no longer a vague phantom, it is expected that the Cosmopolitan House will be a fixed feature unique to the Institute within a few years.

THE TECH.

The Societies Department can use two or three good men from any class. Requirements for positions will be explained in the Lower Office by the Editor in charge Wednesday, at 5 P. M. Presence at this meeting is not binding, and all men interested are invited.

OFFICIAL COUNT GIVEN OUT FOR SENIOR BALLOT

Small Vote and Lack of Close Finishes Mark Only Incidents of the Election.

The Senior Election Committee have returned the official count for the recent elections of the class according to the ruling of the Institute Committee. It shows that there was no particularly close race and that the men did not turn out as they should have for the election, the men elected to the Athletic Association having the largest vote polled.

President.

Harvey S. Benson 20
Charles H. Carpenter..... 20
Randall Cremer 43
Harold E. Kebbon..... 51

Vice-President.

David F. Benbow..... 71
Donald H. Kemp..... 39
Henry H. Partridge..... 24

Secretary.

Bates Torrey 84
Richard P. Wallis 33
Dwight M. Wyman..... 17

Treasurer.

Henry A. Babcock..... 48
Rudolph H. Fox 68
Charles B. Rowley..... 18

Executive Committee.

John Hall 69
Gerald M. Keith..... 98
Henry B. Macdonald 25
Bradley T. Rose..... 47
Philip Tong 29

Institute Committee.

Frederick W. Barker, Jr..... 55
Donald E. Bent..... 69
Ralph N. Doble..... 64
John E. Whittlesley..... 80

Athletic Association.

Kenneth Cartwright 94
E. E. Ferry 115
R. M. Ferry 117
Eugene T. Marceau 57
Stalker E. Redd 62
Vernon G. Sloan 99
Everett B. Wettengel..... 35
F. J. Shepard, Jr..... 61

BROTHERHOOD OF ST. ANDREW'S ELECTION

On Friday evening, October 13, the Brotherhood of St. Andrew held its annual meeting and election of officers. Mr. F. R. Kneeland was elected director; Chauncy Crawford, 1913, was elected Secretary-Treasurer for the coming year. R. S. Rankin, 1913, was elected a member of the Brotherhood. Plans were discussed for weekly conferences for the coming year, and a committee composed of Mr. Kneeland, Crawford, 1913, and F. H. Achard, 1913, were appointed by the Director to take charge of this undertaking. The next meeting will be held Thursday, November 16.

AEROPLANE MAIL SERVICE SUCCESS

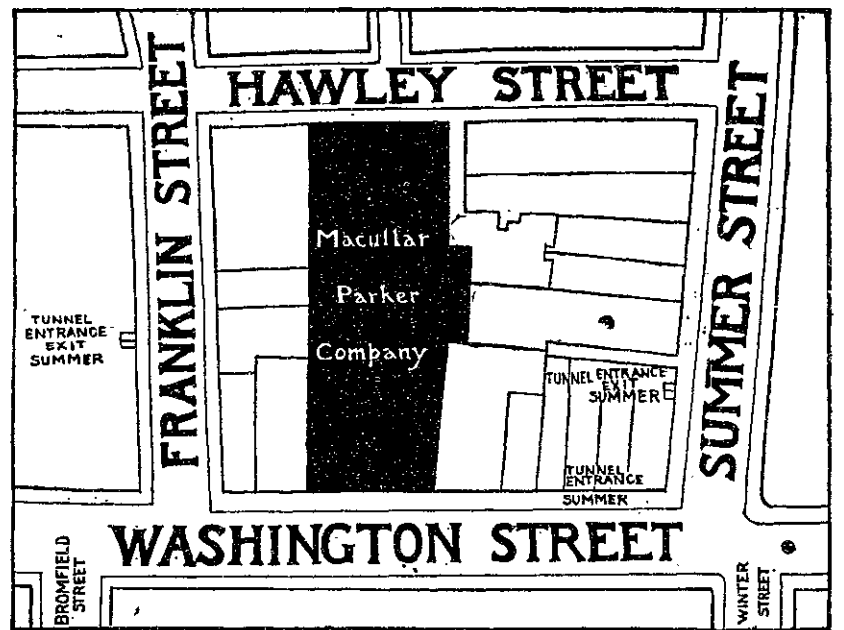
During the aviation meet, from September 23 to October 1, on Long Island, 43,247 pieces of mail were despatched from the Nassau boulevard to Mineola, 15 miles.

By special order of Postmaster-General Hitchcock, aeroplane station No. 1 was established on the Nassau field and mail was despatched regularly during the aviation meet. Eight aviators were engaged in this transportation, all sworn in "aeroplane mail carriers."

Street letter boxes were placed about the aviation field for aeroplane mail. The results of the experiment, according to a report of the postoffice department by inspectors, were excellent.

It is the purpose of the postmaster-general to keep a perfect record of the aeroplane experiments.

Location of Our Store



And Comparative Area in the Block

Macullar Parker Company

CORRECT CLOTHES FOR STUDENTS made in our workshops on the premises and ready for immediate use. SUITS from \$25.

FINE FURNISHING GOODS

400 WASHINGTON STREET

L. PINKOS, College Tailor

7 and 9 State St
BOSTON

Harvard Square
CAMBRIDGE

Established 17 Years

Pinkos, the well-known College Tailor of Cambridge and Boston, offers 10 per cent. discount to all "TECH" men on purchases this year. Prices range from \$35.00 to \$50.00.

L. PINKOS Boston Store, 9 State Street

A. G. MORSE, Tailor

Special attention given to students' clothes. Special discount to Students

18 BOYLSTON STREET, BOSTON, MASS.

Rooms 14 and 15

Telephone, Oxford 109

FROST & ADAMS CO.

DEALERS IN

MATHEMATICAL INSTRUMENTS

— AND —

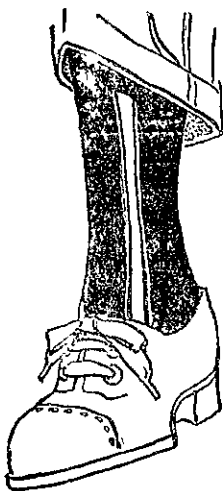
Drawing Materials

37 CORNHILL, - - BOSTON

Before securing supplies inspect Our Stock and Prices.

SPECIAL DISCOUNT GIVEN TO TECH STUDENTS

Phoenix Guaranteed Thread Silk Hose 50¢



These hose are genuine Italian thread silk—far different from the dull, coarse, spun silk. That explains their shimmery elegance.

Box of Four Pairs \$2.00
Warranted to Wear Three Months Without Holes

A new pair free for every pair that shows a hole within three months. Phoenix silk hose comes in all the popular colors. *Come and Look at Them*

We Cater to Tech Men

COPLEY HABERDASHER

ONE DAY LAUNDRY

22 HUNTINGTON AVE.

Lunch at...

**CANN'S
Sea Food**
Broiled Live Lobsters
a Specialty
228 Massachusetts Avenue
OPEN FROM 6 A. M. TO 12 P. M.

If you don't leak
\$2.50 AND UP
MOORE'S
THE ORIGINAL NON-LEAKABLE
FOUNTAIN PEN.

The easiest pen to fill.

One of the features which makes Moore's an unquestionably superior pen is the ease and rapidity with which it can be filled. Simply remove the cap, drop the ink in and the pen is ready for use — no inky joints to unscrew.

Moore's is a very satisfactory pen to carry around in your pocket or bag, because it does not afford the slightest possibility for leakage. Remember also that this pen never fails to write with the first stroke — requires no shaking. Its ink flow is always free and even.

Every Moore's Non-Leakable Fountain Pen carries with it the most unconditional guarantee.

For Sale By Dealers Everywhere.
AMERICAN FOUNTAIN PEN CO.
Adams, Cushing & Foster, Selling Agents.
168 DEVONSHIRE ST., BOSTON, MASS.

COMMUNICATION.

Editor THE TECH:

At 8 P. M., Friday, October 27, a Hook Night will be held in the Union, under the auspices of the Entertainment Committee. We want all men who can do a stunt, or think they can, and some who do not think so, to hand in their names as entries. The stunts may well be absurd from the very nature of the occasion.

As this is the first entertainment of the year, it must be a success. That this is possible is evidenced by the event last year. It will not be so, however, unless every Tech man will co-operate with the committee, and the best way to do this is to attempt to do a stunt. In any event it is desired that every man reserve that evening for attendance in the Union.

Leave entries at the Cage as soon as possible for the committee. "Whooper up!"

Yours,
THE ENTERTAINMENT COMMITTEE.

F. H. Achard, 1913.

FRESHMEN, GYMNASIUM.

A representative of a sporting goods house will be at the Gym on Wednesday from 1.30 to 5.30 to take orders for Gym costumes. Greater reductions will be given to those ordering at that time. Every one must appear in regular costume in order to receive credit for gymnasium work. This will be the last chance to procure costumes at this rate and without going down town after them.

FRANK M. KANALY, Instructor.

You'll need that
heavy Overcoat



for the football game.

Order now and don't be disappointed

TWENTY-FIVE DOLLARS UPWARD

BURKE & CO., Inc., - - TAILORS

18 School St., Boston

843 Washington St., Boston

1246 Massachusetts Ave., Cambridge

7 Main St., Andover
Hanover, N. H.

T STANDS FOR TECH

Also for TRIAL, and one is all we ask as a TEST of our TASTEFUL and TRUSTWORTHY Laundry work: if you will TAKE THE TIME and TROUBLE TO TRY us once you will understand THE TRIUMPHANT TALES that are TOLD in TESTIMONY of our TYPE of laundering. We do a TREMENDOUS TRADE because we take TIME and trouble about TRIFLES and no TASK is TOO TEDIOUS for us to undertake. Our TERMS are TRULY TRIPPLING. ALL SHIRTS 10c. EACH. IRONED BY HAND TOO.

HINDS HAND LAUNDRY COMPANY

BRANCH 48 HUNTINGTON AVE., Hotel Oxford Building

The Phoenix Finish



You want it in your hose. It gives the real silk look and feel—makes the socks fit better and wear better than ordinary cotton. In fact, it doubles their value without increasing the price. Get

Phoenix Registered Hose

if you want more real comfort, style and wear in a 25c sock than you have ever bought before for half a dollar. Six pairs will cost you a dollar and a half and last you six months, or we'll give you a new pair for every one that wears out.

25¢ Per Pair
6 Pairs \$1.50

PLYMOUTH THEATRE
ELIOT ST., NEAR TREMONT
THE
IRISH PLAYERS

Mon., Thurs., & Sat. Nights & Thurs. Mat.

"Falsely True"
By JOHANNA REDMOND

"The Jacobite"
By LADY GREGORY

"The Hour Glass"
By W. B. YEATS

"The Workhouse Wren"
By LADY GREGORY

Tues. & Wed. Nights & Wed. Mat.

"Havoc"
By LENOX ROBINSON

"Spreading the News"
By LADY GREGORY

Friday Night and Sat. Mat.

"The Image"
By LADY GREGORY

"Eileen O'Shane"
By BERNARD SHAW

SPECIAL MAT. COLUMBUS DAY

SHUBERT TONIGHT AT 8

3rd BIG WEEK
7 MILES AHEAD OF THE PARADE

The Original New York WINTER GARDEN
MUSICAL REVUE 1911

150 PEOPLE 30 STARS

MAJESTIC THEATRE
Tonight at 8.15
Matinees Wed. & Sat. at 2.15

THE AUTHORS' PRODUCING CO.
John Cull, President, Announces
"THE DRAMATIC HUNDREDOLE"
THE GAMBLERS

BY CHARLES KLEIN,
Author of "The Music Master" and "The Lion and the Mouse,"
With JANE COWL and ORME CALDARA

Castle Sq. Daily at 2 and 8
Tel. Tremont 5

Mr. John Craig Announces
For Two Weeks' Run
George Cohan's Musical Comedy

45 Minutes from Broadway

Prices 15c, 25c, 50c, 75c, \$1.
Down Town Ticket Office—15 Winter Street

VISIT THE NEW STORE
BUILT ESPECIALLY FOR YOU.

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

At Lowest Price
210 CLARENDON ST.
ALSO
82 and 84 WASHINGTON ST.
Catalogues Free

**Wadsworth,
Howland & Co.**
Incorporated

COLLINS & FAIRBANKS CO.

YOUNG MEN'S HATS

RAIN COATS

AUTO COATS

383 Washington Street, Boston

CATALOG 45 MAILED UPON REQUEST

Classified Advertisements and Notices

HERRICK, COPLEY SQUARE

Choice Seats for all Theatres
Phone B. B. 2328

Key Number Connecting Five Phones
(1-1f)

"Students wishing to take Electro-chemical Laboratory 801 should consult Professor Thompson before Oct. 9th."

NOTICE—Free tickets of admission to the Museum of Fine Arts for the year 1911-1912 may be obtained by all students upon application at the ticket office in the Museum entrance. H. L. Story, for the Director.

8 BLACKWOOD ST., SUITE 3--
Two connecting front parlors. Furnished in mission; cold and hot water, steam heat. Tel. 1242-R, Back Bay.

NOTICE—A Fraternity Pin has been found. It may be had by identification at the General Library.

LOST—S. A. E. Fraternity Pin. Reward on return to Tech office

NOTICE.
1913.

Class Election ballots may be obtained at Cage. Ballots are due Tuesday, October 17, 1911, before 4.00 P. M., addressed to 1913 Election Committee, care Cage. (16-17-18)

LOST—At the Field, a Red "V" Neck 1913 Sweater. Please return to Fallon at the Cage. (16-2t)

FOUND.

Pair of gloves found in the Union Saturday evening. Call at the Cage.

FACULTY NOTICES.

Precision of Measurements.
Sept. 30, 1911

The regular course of lectures will be repeated for College Students who have the subject to make up, on Wednesday and Friday afternoons at 4 o'clock in Room 23, Walker.

The list of problems to be handed in before December 1st by students who were marked deficient, D, in this subject is posted on the bulletin board in Room 16, Walker.

H. M. GOODWIN.

Sept. 30, 1911.

Physical Laboratory Reports for the year 1910-11 may be obtained by applying to the assistant in Room 16, Walker. Reports remaining uncalled for after October 15th will be confiscated.

H. M. GOODWIN.

THIRD YEAR--QUANTITATIVE ANALYSIS.

The lecture in Quantitative Analysis 559 is transferred from 20 Eng. B. Thursday, at 10, to 54 Eng. Building A.

WALTER HUMPHREYS,
Registrar.

HISTORY OF SCIENCE.

Essays handed in to Professor Sedgwick last year will be returned to students on application at the Library of the Biological Department.

Essays not claimed within a month will be destroyed.

WANTED—20 men from 1914 and 1915 to enter competition for Assistant Publicity Managers. Report any day in Room 13, the Union, at 1 P. M.

All Brushes, Razors and Towels
Sterilized by Patent Process

Named Cups Furnished Free
to Regular Customers

"Tech Barber Shop"

COPLEY SQUARE, 535 BOYLSTON STREET

Under New Management

Everything in keeping with the location

Hair Cutting a Specialty

BOOTBLACK

ELEVATOR

STONE & WEBSTER

CHARLES A. STONE, '88
RUSSELL ROBB, 88

EDWIN S. WEBSTER, '88
HENRY G. BRADLEE, 91

ELIOT WADSWORTH, 91

Securities of Public Service Corporations

Under the Management of Our Organization

STONE & WEBSTER

Management Association

GENERAL MANAGERS OF PUBLIC SERVICE CORPORATIONS

STONE & WEBSTER

Engineering Corporation

CONSTRUCTING ENGINEERS

Apollo

THE CHOCOLATES

THAT ARE DIFFERENT

FOR SALE AT THE UNION

Ledder & Probst
387 Washington Street, Boston

DRAWING INSTRUMENTS

and Materials
SLIDE RULES REPAIRING

Agents for Eugene Dietzgen Co.

The Place Where the Price is Right

THE THORNDIKE HOTEL
BOYLSTON STREET OPP. PUBLIC GARDEN
BOSTON

Recognized as one of Boston's best hotels. Suited to the requirements of tourists—and the best class of business men and their families.

Rates per Day:
Single Rooms 1.50, 2.00, 2.50
with Bath 2.00 to 4.00
Double Rooms 2.50 to 4.00
with Bath 3.50 to 6.00
Parlor, Chambered and Bath 6.00 to 10.00

"Ye Old English Room"
Conspicuous for its cuisine and service. High class and same standard as the best New York restaurants.

SPECIAL ATTENTION TO TECH MEN

M. J. HANNIGAN

Hotel Westminster Barber Shop

(MANICURING)

COPLEY SQUARE, :: BOSTON

Telephone, Back Bay 41030

**Lombardy Inn
Italian Restaurant...**

Table d'Hote Dinner 5 to 8.30

A la Carte

STRICTLY ITALIAN CUISINE
ITALIAN WINES

BOYLSTON PLACE

Near Colonial Theatre

BOSTON, MASS.

Telephone Oxford 2942

Old Established Dining Room

Mrs. H.O. Hanson, Prop.

33 SAINT BOTOLPH STREET

21 Meal Ticket \$4.50 14 Meal Ticket \$3.50

7 Dinners . . . 2.50 7 Lunches . . . 15.0

Breakfasts 30c. Luncheon 25c. Dinner 40c.

WE CATER ESPECIALLY TO STUDENTS

(Established 1847)

**THOS. F. GALVIN, Inc.
Flowers**

124 Tremont St., Boylston cor Fairfield

BOSTON