

THE TECH

VOL. XXX. NO. 48

BOSTON, MASS., THURSDAY, DECEMBER 1, 1910

PRICE TWO CENTS

DR. COOK CONFESSES HE DIDN'T REACH POLE

His Article to Be Published in Hampton's Magazine for December.

MENTALLY UNBALANCED.

Wishes to Return to America With His Wife and Children.

A remarkable statement coming from the late geographical discoverer, Dr. Frederick A. Cook, is to be published in Hampton's Magazine for December. In his article Dr. Cook states: "Did I get to the North Pole? Perhaps I made a mistake in thinking that I did. After mature thought I confess that I do not know absolutely whether I reached the Pole or not. This may come as an amazing statement, but I am willing to startle the world if by so doing I can get an opportunity to present my case."

Dr. Cook also expresses the desire to return home for Christmas with his wife and children.

RENAISSANCE OF NEW THOUGHT

Dr. Rodman to Preside at Opening Session—Metaphysical Club Meets.

New Thought, which has been so long an object of ridicule, is to be put on a firm and practical basis by Dr. Warren A. Rodman, president of the Metaphysical Club. Dr. Rodman will preside at the opening session of the National New Thought Alliance Convention, which will be started Friday evening in Chickering Hall. He will consider the question of "New Thought in Its Concrete Application," which should be of special interest to technical men.

WINNIPEG GREATEST WHEAT CENTRE

Growth Marvelous in the Past Few Years—Opening for American Capital.

It was not more than 30 years ago that the Hudson Bay Company warned the farmers of Winnipeg that they would not take more than two bushels of wheat from each of them and that their payment would be in trade only. Winnipeg has since developed, until now it is the largest wheat market in the world. In spite of this fact only one-tenth of the land in the vicinity of Winnipeg has been cultivated, and a wonderful opportunity is thus offered to American capital for the building of trunk and steamboat lines in that district.

SCIENCE CONSPECTUS TO BE PUBLISHED

Bulletin of Society of Arts to Be Enlarged to Cover Wider Field.

In order that a more general view of the field of science may be easily obtained, the bulletin of the Society of Arts is to be enlarged and published monthly under the title of "The Science Conspectus." The most important current developments in the field surveyed will be described so that any intelligent reader can understand what is being told about, and digests and summaries of important articles that may appear in current publications will also go to make up the paper. All the matter will be carefully selected, and wherever possible, will be amply illustrated.

SACO & PETTEE WORKS VISITED BY TECH MEN

Mechanical Engineers Make Tour of Inspection of Factory at Newton Upper Falls.

MR. O. E. NUTTER, 1899, IS GUIDE.

High Speed Corliss Engine and Charging of Cupulo Attract Men.

About fifteen men enjoyed the Mechanical Engineering Society's excursion to the works of the Saco & Pettee Company at Newton Upper Falls yesterday afternoon.

The party, accompanied by Professors Schwamb and Haven and Mr. Wengut, were met at the works by Mr. O. E. Nutter, 1899, superintendent of the company. Three other officers assisted Mr. Nutter in showing the men through the various departments, and made the afternoon of the greatest interest and advantage through detailed explanation of the different machines and processes.

Departments visited were the foundry, machine shop, including the lathe, milling, grinding and many other rooms, the power plant and assembling room.

In the foundry were seen many molding machines, the old wooden flasks and hand labor being practically all displaced. The company, through its own designs, has so planned these machines that hardly any coring is necessary in the molds, and very complicated castings can be molded. The party were interested in the charging of the cupulo, from which 45 tons of metal are drawn each day.

In the machine shop were seen a great number of lathes, milling machines, etc., designed and built by the company for their own use, after they had tried and found wanting the ordinary machines on the market.

All through the plant this spirit of progress prevailed. On every hand were machines doing five or six times the work ordinarily expected of them, or doing many operations at one time. Most of these machines were designed by the company.

A feature of the engine room was a high speed Corliss engine making 150 R. P. M., driving a direct connected A. C. generator which furnished part of the power for driving the various machines.

The company employs about 800 men and specializes in the manufacture of cards and drawing frames. They are steadily enlarging the plant and have an additional machine shop in process of construction. An enormous brick smokestack has just been completed.

EFFECTS OF BAD LIGHT AND VENTILATION

Prof. Sedgwick Addresses Massachusetts Civic League—Other Lectures.

In speaking about "The Effects of Bad Light and Ventilation on Health," at the annual meeting of the Massachusetts Civic League, Professor William T. Sedgwick, of the Biological Department, said that every populated building should be ventilated with morning air, and that this effect could be best obtained by the use of fans or blowers. He stated that this method should be used in apartments and tenement houses as well as in the public buildings.

Professor Percy G. Stiles of Simmons College and Technology is delivering a series of lectures before the Boston Hygiene and Sanitation Society at 112 Salem street. On November 25 he spoke on "The Hygiene of the Circulation of the Blood," and the subjects still to be discussed are: "Hygiene of Breathing," on December 9; "Hygiene of Muscular Activity," on December 23, and "Hygiene of the Central Nervous System," on January 6.

FIRST HOCKEY GAME OF SEASON DECEMBER 3

Tech Seven Will Play Crescents, Champions of the League the Past Two Years.

GAME CALLED AT 7.30 P. M.

Between the Halves the 1915 Skating Club Will Give Exhibitions.

Saturday night of this week will be a "big night" at the Boston Arena, for on that evening the opening carnival of the ice season will be held. But while this in itself is enough to make December 3rd a red-letter day to all true lovers of winter sports, it is made a still more important date to all red-blooded Tech men, for on that evening the main event will be a hockey match between the Crescent hockey team, champions of the Boston League for two years, and the Technology Seven. The teams will play two 15-minute periods, and between the halves speed races will be held with many of the Boston 1915 Skating Club as competitors.

The chances for our winning the match are quite good, for while the Crescents have the reputation of being a very fast team, our team is also a particularly good one. In the words of Manager T. Polhemus: "It is doubtful if Tech has ever had as good material for a hockey team as they have this year."

The squad is doing excellent practice work, and of the new men, nearly all of them have had considerable experience on both college and school teams. While it was at first feared that the defense might prove to be the weakest part of the team, owing to the fact that all of the defensive positions have been vacated by last year's players, the new men are showing up so well that these fears need bother no one.

Captain "Dick" Gould expects to put before the public this year a championship squad. Of last year's team, four men are left. They are Captain Gould, 1911; H. W. Stucklen, 1911; J. H. Scoville, 1911, and "Doc" Sloan, 1912. Captain Ahearn of last year's team graduated last June. All of last year's men are in the best of condition this year. Among the many candidates for the team are men who before they came to Tech were members of the Yale, Williams, Brown and Harvard teams.

It is now up to all loyal Tech men to give the hockey team their support by attending all of the matches which it plays. There is, of course, no Tech men who would not like to see Tech turn out championship teams, but the trouble is that so many Tech men consider that for various reasons (one of which is generally said to be lack of time), they cannot attend the games or meets in which Tech teams participate. While in some few isolated cases this may be true, in most cases it is possible for 500 or 600 men to attend these matches if they really made an effort to do so.

If you are a true son of Tech you should do your duty this year, even if you have not done so in previous years; it is never too late to reform, and if the college body as a whole supports the hockey team even half so well as the squad and Athletic Association are doing, there is not the slightest doubt but that Tech will have a hockey team of which they can well be proud.

The admission to hockey games at the Arena is from 25 cents to \$1.00.

Practice for the squad has been changed—Mondays, Wednesdays and Fridays, 5.45 P. M.—but all men should be ready to go on the ice at that time. Therefore the men should be at the Arena by 5.30 P. M.

On December 14th Tech meets Harvard at the Arena, and on January 3rd Tech will meet Dartmouth College.

WORKINGS OF BOSTON PUBLIC LIBRARY

Mr. Wm. F. Kenney of the Boston Globe and Trustee of Library Speaks.

MEETING OF CATHOLIC CLUB.

Children's Libraries, Trust Funds and Facilities Discussed.

Sixty men were present at the dinner of the Catholic Club at the Union last night, and listened to one of the best talks ever given before that society.

The speaker of the evening was Mr. Wm. F. Kenney, day editor of the Globe, and trustee of the Boston Public Library. Mr. Kenney was the delegate from Boston to the International Congress of Librarians and Archivists at Brussels recently, and read there a paper on "Children's Libraries," showing the co-operation of the Boston Public Library with the schools, and the facilities extended to the children in the way of reading rooms where books are displayed on open shelves.

The congress adopted the unit system of managing a library, such as exists in this city, with Librarian-in-Chief as the head. In European cities there are usually several separate libraries, with no centralization.

The process a new book goes through from the time it is received in the library till it is put upon the shelf was next explained, with special reference to selection and cataloging.

The speaker next considered the question of the facilities offered to students in Boston. Students have the same privilege of taking out a card and using the library that any citizen has, and groups and clubs are allowed special privileges when they are investigating some subject. By provisions of the act of organization every citizen of Massachusetts is entitled to its privileges, because the State granted the land on which the central library stands.

The trustees are in charge of over four hundred thousand dollars of trust funds which yield an income of eighteen thousand dollars a year. One of the funds, known as the Todd newspaper fund, enables the library to have on file daily papers from every quarter of the globe, and in every language.

A series of free lectures is held during the winter, in which eminent men treat on various subjects of general interest.

Mr. Kenney urged the students of Technology to make every use of the library possible, and said that the trustees would welcome all suggestions from students as to books which they think the library ought to have.

CALENDAR.

Thursday.

12.45—Electrical Excursion.
4.00—Gym Team Practice—Gym.
4.00—1913 Cross-Country Practice—Gym.
4.00—1914 Cross-Country Practice—Gym.
4.00—Mandolin Club Practice—Union.
4.00—Glee Club Practice—Union.
6.45—Hockey Practice—Arena.

Friday.

12.45—E. E. Excursion.
4.00—1913 Cross-Country—Gym.
4.00—1914 Cross-Country—Gym.
4.15—Gym Team Practice.
5.00—Basketball Practice—Gym.
8.00—Friday Night Entertainment—Union.

Saturday.

1.00—The Tech News Board Meeting.
6.15—Hockey Practice—Arena.

THE TECH

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

Entered as second-class matter, Sept. 29, 1910, at the post office at Boston, Mass., under the Act of Congress of March 3, 1879.

S. E. Bates, 1911.....General Mgr. News Board.

G. M. Keith 1912.....Editor-in-Chief
E. W. Tarr, 1912.....Managing Editor
T. E. Senior 1913.....Gen'l News Editor
R. S. Rankin, 1913.....Athletic Editor
A. L. Myers, 1911.....Institute Editor

Business Board.

H. W. Hall, 1912.....Business Manager
J. B. Nealey, 1912.....Advertising Mgr.
A. T. Gibson, 1913.....Circulation Mgr.

Associate Editors.

E. W. Taft, 1913.....Societies

News Staff.

A. H. Waitt, 1914.
M. Paris, 1914.

Business Staff.

M. Lewis, 1913.
K. S. Johnson, 1914.
J. C. Morse, 1914.
D. E. Van Volkenburgh, 1914.

Art Staff.

W. S. Crost, 1912.
H. B. Horner, 1913.
E. C. Taylor, 1914.

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 Croke Printing Co.

THURSDAY, DECEMBER 1, 1910.

The Fall tennis tournament is still unfinished, and in all probability the final match will have to be postponed until the outdoor courts are again in condition next season. This, it may seem, should arouse no especial comment, for this is but the customary situation. For the past few seasons the Spring tournament has been concluded the following Fall, and the Fall tournament the following Spring. This is not as it should be, and the generality of the situation is no excuse for its existence. "Two wrongs never made a right."

We noticed this procrastination a month ago and expressed our fear of such a delay, and our fears now seem to be realized. It may seem late in the season to mention again this state of affairs, but those responsible for the delay in the tournament this Fall are the men who in all probability will be responsible for a similar delay next Spring.

Who are responsible for this repeated state of affairs? The committee in charge commenced the tournament early this Fall. The contestants of the most ability are the men who take the greatest interest in the tournament and are most desirous of deciding it early. Delay is due mainly to the men who get no further than the preliminary rounds. In the play this Fall this was quite noticeable. It is the old story of the thoughtlessness of a few inconveniencing and delaying the many. Let's remedy the situation next year and really finish the Spring tournament in the Spring.

COMMUNICATION.

To the Editor of The Tech:
I am sorry to learn that my criticism and methods of investigating the Friday Night Entertainment question have not been approved by some poor Nomad. I would like to know how he could have "innocently" read that poor lonesome "Tech" that passed through one hundred and thirteen (113 actual count) hands during the lecture in Political Economy? I

should think that a "half portion" would be much better than S. P. N.'s small interest, and I don't see how he could have escaped a guilty feeling of robbing from the coffers of "The Tech."

DEMI TASSE.

THE HORNETS NEST

Editor's Note.—Owing to a mistake the last part of the Hornet's Nest which appeared in Saturday's Tech was not run. It is printed herewith:

————! ———! ———! ———! ———!
No one looked up. It had become too common an occurrence.

More ———! ———!
Finally Cad shut his Schwamb and Merrills with a bang. "Say, Billiken, can't you forget for a while that you were down in New Mexico last summer? This joint is not an angel's roost, I'll admit, but that's no reason that because you are a Senior and because you've been——"

"Shut up or I'll put you in a worse place than New Mexico in about three seconds," responded the Billiken with a sour attempt at a laugh. "If you had some of the experiences I've been having lately at this confounded Institute you——"

"Oh, I'll acknowledge I'm awfully narrow-minded (this is my second year in Boston, you know, and that is enough to make a fellow so), and of course you are the most unappreciated man at the Institute, still you ought to set a better example to our dear little Cupid, you know."

"Hang the Freshman. Let him go out if he doesn't like it. But just take a look at this nice little pile of letters I received today from the registrar. I am going to have them framed. They will be a nice souvenir of this joint. 'Your petition to take Elements of Engineering epidemics is not granted. Please see Professor Heisdraht.' That makes the sixth course I've tried to take and been turned down. Oh, yes, I interviewed said prof, several times in fact. Strung him with a well prepared line of talk, and each time he signed his name to my petition. 'Let's see, I met you down in Kennebunkport last summer, didn't I? Nice place, isn't it?' while he was signing his name. A lot of good it did though, and I have only a 480-hour schedule this term, too. Oh, well it might be worse, so much more time for Swellessly and Peyland Lowers, you know."

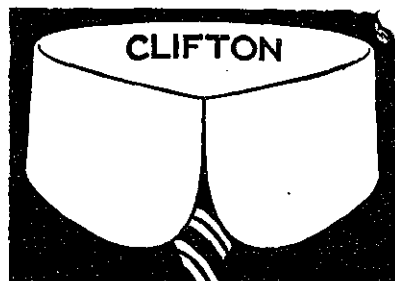
"Say, Bill, you know I have field work all day tomorrow. Couldn't you fix it up for——"

"But the worst is yet to come," continued Billiken, ignoring Dick's question and carefully pulling out a second letter from his pocket. "Here is my

(Continued on Page 3.)

FOWNES GLOVES

win Fashion's races
"hands down"



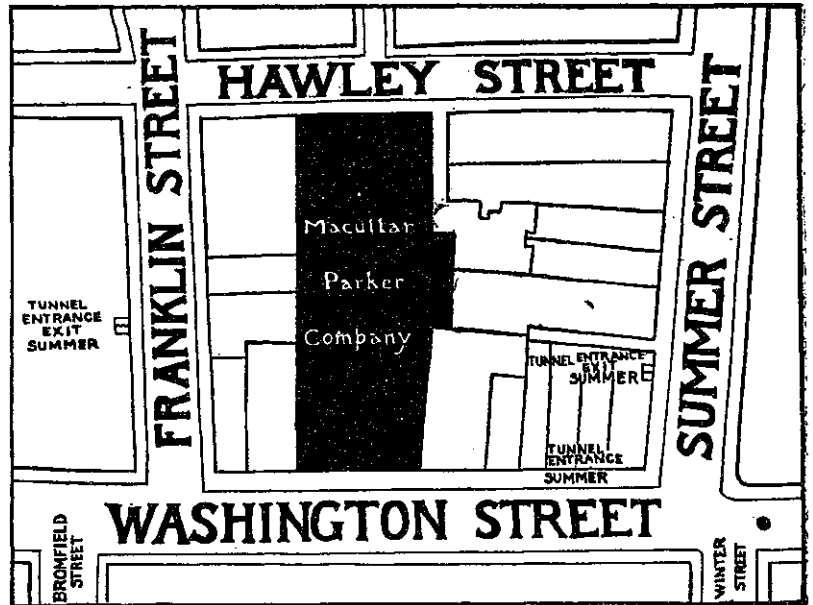
CLIFTON, 2½ in. high BEDFORD, 2½ in. high

The New ARROW Notch COLLARS

Sit snugly to the neck, the tops meet in front and there is ample space for the cravat.

15c., 2 for 25c. Cluett, Peabody & Co., Makers

Location of Our Store



CORRECT CLOTHES

for Students Made in Our Workshops on the Premises and Ready for Immediate Use

FINE FURNISHING GOODS

Macullar Parker Company
400 Washington Street

HOTEL BRUNSWICK BOSTON

EUROPEAN AND AMERICAN PLANS

HERBERT H. BARNES, Proprietor.

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

THE HENRY H. TUTTLE CO.

159 Tremont Street

GIVES TO TECH STUDENTS A DISCOUNT OF 10 %
CORRECT STYLES FOR STUDENTS

McMORROW College Shoes for College Men

238 Washington Street, Boston, Mass.

OPPOSITE YOUNG'S HOTEL

(Continued from Page 2.)
 notices of deficiencies which I will have to make up before graduation. 'Freshman Chemistry.' Why I got a C in that three years ago. I fished out my old report and showed it to his highness, cut four nine o'clock lectures before I could find him in; by the way, and then on top of that he had the nerve to say that he had no record of it whatever. Fine system! Great! Here I have been at the State for four years and never had a D or a mark below P yet, and still he told me that a man who would let his Freshman work slide like that had no right to be allowed to graduate. Lot of difference it makes what he th—" "Say," interrupted Dick, "let's go to the moving picture show tonight."

INTERCOLLEGIATE NEWS.

In a quarter of a century the number of members enrolled in the national fraternities has risen from 72,000 to almost 270,000, of whom 30,000 are women. The undergraduate membership in a normal year now ranges between 30,000 and 35,000, and of the more than 1700 chapters of these societies, 1,100 own or rent houses which at a conservative estimate are valued at more than \$8,000,000.

The students in the English department of Colorado College are forming a Quill Club, the purpose of which is to stimulate interest in writing and to keep the general public informed about the student activities of the college.

There is considerable dissatisfaction expressed over the method of awarding the athletic emblem "N" at Northwestern. The regulation that Varsity men must win games in which they play is being especially protested against.

The election for Senior class officers at Michigan has been protested by the defeated candidates on the ground that it was conducted irregularly. Another election has been ordered by Dean Reed.

The football team of the University of Oregon rolled up a score of 114 to 0 against the University of Puget Sound not long ago. This is the largest score that has ever been made on the Pacific Coast.

COURSE II NEWS

Prof. Lanza is planning to attend the annual meeting of the American Society of Mechanical Engineers in New York, December 6-9.

Prof. Miller will attend this meeting also, should it be necessary in connection with his work on committees of which he is a member. These are on a Standard Tonnage Basis for Refrigeration, and on Power Tests.

At a meeting of the Council of the A. S. M. E., which will be held sometime during the meeting of that society in New York, the matter of pins for members of the Student Section will be decided. This question was decided in the negative when brought up by the Columbia Section recently.

This year a new movement has been started by the Mechanical Engineering Society at the Institute, and through Prof. Miller, who takes great interest in the matter, it has received the approval of the Governing Committee of the Boston Section, of which he is a member. Prof. Hollis of Harvard, Chairman of the Committee, is also interested, and altogether there seems to be a good chance of obtaining the pins.

This week the Department was visited by J. S. Nicholl, '07, who has been in Japan selling machine tools as the acting manager of the F. W. Howe Company.

Mr. Nicholl said that during the Japanese war his company received enormous orders for all kinds of American machine tools. During his sojourn in that country he learned to speak the Japanese language fluently.

Masanao Yendo, '08, who went from here to Dresden, is now Professor of Engineering in Waseda University, Tokio, Japan. He and Mr. Nicholl are very well acquainted, and see much of each other in that country.

N. S. Seeley, a senior in Course II, is preparing a paper on the Non-Poppet Valve of a Small Unit Internal Combustion Motor, which he will present before the Mechanical Engineering Society some time after Christmas. He has prepared a number of slides with which to illustrate his talk.

STEVENS

The Number 520, Six-Shot Repeating Shotgun at \$25.00

is a hammerless gun with a solid frame. Easier to operate—quicker and smoother action than any other. It never balks and is perfectly balanced.

Detailed description of any of our guns is in our 100 Page Free Catalog. Send for it **TO-DAY**

If you cannot obtain STEVENS RIFLES, SHOTGUNS, PISTOLS, TELESCOPES through your dealer, we will ship direct, express prepaid, upon receipt of catalog price.



J. STEVENS ARMS & TOOL COMPANY
 P. O. Box 5008
 CHICOPEE FALLS MASSACHUSETTS

ESTABLISHED 1810

Brooks Brothers

CLOTHING
 Gentlemen's Furnishing Goods.

BROADWAY COR. TWENTY-SECOND ST. NEW YORK.

HEAVY SUITS, OVERCOATS, FUR LINED COATS.

Angora and Shetland Knitted Garments.

Attractive Neckwear, Shirts, Hosiery, etc.

Novelties in Hats from London and the Continent.

SEND FOR ILLUSTRATED CATALOGUE

THE ONLY UP-TO-DATE ART STORE AND FRAME SHOP

Bring in your Pictures and Diplomas and get our Prices on Framing. We carry a very large line of imported Pictures and Bronze Novelties.

SPORTING PICTURES AND COLLEGE POSTERS

SOUTH END PICTURE STORE

199 West Newton Street, (Opp. Little Wanderers' Home.)

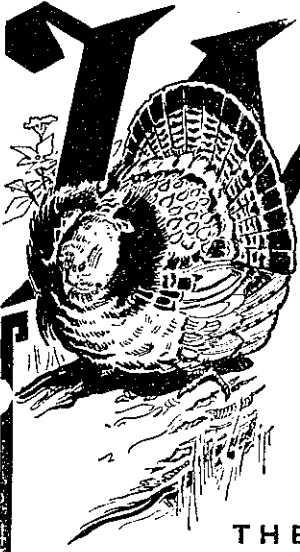
WINCHESTER

Repeating Shotguns

USED IN THE U. S. ARMY.

The U. S. Army authorities know a gun; that is why, when they decided to equip some troops with repeating shotguns, they selected the Winchester in preference to all other makes. The experts of the U. S. Ordnance Board also know a gun; that's why, after submitting a Winchester Repeating Shotgun to all sorts of tests, they pronounced it *safe, sure, strong and simple*. If you want a shotgun—buy the one whose strength and reliability led the U. S. Army authorities to select it and the U. S. Ordnance Board to endorse it—that's the Winchester.

THE RELIABLE REPEATERS



FATIMA

TURKISH BLEND CIGARETTES

GEOGRAPHY

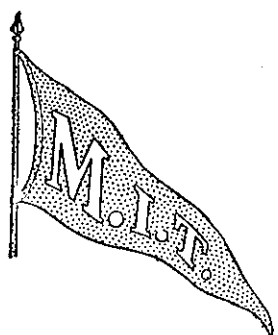
Fatima Cigarettes are bounded on the north by *quality*, on the south by *individuality*, on the east by *mildness* and on the west by *value*. In all the world no smoke just like 'em.

They compass much of the earth, giving much pleasure and satisfaction everywhere.

College men say they're "different."

Inexpensively packed in order to give you 20 for 15 cents.

THE AMERICAN TOBACCO CO.



With each package of Fatima you get a pennant coupon, 25 of which secure a handsome felt college pennant (12x32)—selection of 100.

STONE & WEBSTER

CHARLES A. STONE, '87 EDWIN S. WEBSTER, '87
 RUSSELL ROBB, '87 ELIOT WADSWORTH, '08 HENRY G. BRADLEY, '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

MORSE & HENDERSON

MERCHANT TAILORS

18 BOYLSTON STREET
 BOSTON, MASS.

TELEPHONE 99 OXFORD ROOMS 14 AND 15
 Suits \$35 and Upwards Overcoats \$35 and Upwards

PATENTS

Prize Offers from Leading Manufacturers

Book on patents. "Hints to inventors." "Inventions needed." "Why some inventors fail." Send rough sketch or model for search of Patent Office records. Our Mr. Greeley was formerly Acting Commissioner of Patents, and as such had full charge of the U. S. Patent Office.

GREELEY & McINTIRE
 INCORPORATED
 WASHINGTON, D. C.



GLOBE THEATRE
Beginning To-Night
Sam S. and Lee Shubert (Inc.) Present
MABEL BARRISON

In Thompson Buchanan's Rollicking Comedy
"Lulu's Husbands"

MAJESTIC Limited Engagement.
Blanche Ring
IN
THE YANKEE GIRL
WITH
HARRY GILFOIL

SHUBERT TONIGHT Evenings 8:00 Matinees 2:00
E. H. Southern
AND
Julia Marlowe
This Week in their Magnificent New Production
AS YOU LIKE IT
Seven Performances. Matinee Saturday.

All Goods Required by Students at
Maclachlan's
502 Boylston St.
Drawing Instruments and Materials, etc.
Fountain Pens, Text-Books

Boston Dairy Lunch
"NEXT DOOR TO TECH."
Cor. BOYLSTON and BERKELY STS
Try Our Special Lunches, 25c
Changed Daily
Table D'Hote Dinner 50c
HOME COOKING. PRICES MODERATE
SPECIAL BREAKFAST AND SUPPER COMBINAIONTS

Castle Sq Daily at 2 & 8 Tel, Tremont 5
Mr. John Craig Announces
LION AND THE MOUSE
Prices 15c, 25c, 50c, 75c
Down-Town Ticket Office, 15 Winter St.
In Preparation—"Twelfth Night"

Preston's Coffee House
Open All Night.
1036 BOYLSTON STREET, BOSTON
Telephone 2206-1 B. B.

OLD ESTABLISHED
DINING ROOM
MRS. H. O. HANSON, Proprietor
Successor to A. G. Cotton
33 St. Botolph St.
Best Board in Back Bay.
Reasonable Rates.
We make a Specialty of Serving Tech Students.

HERRICK TICKETS ALL THEATRES
COPLEY SQUARE
Telephones 2329, 2330 and 2331 Back Bay

OAK GROVE CREAMERY CO.
J. H. RYDER, Mgr.
QUICK LUNCH
Open from 11.30 a. m. to 2.30 p. m.
Combination Lunches 25c
Special 3.30 MEAL TICKET to STUDENTS, 3.00
Our New Room now Open. We have doubled our seating capacity
431-437 Boylston Street

DEFICIENCIES IN PHYSICAL LABORATORY.
Attention of students is called to the fact that all deficiencies must, by Faculty rule, be made up before Thursday, December 1st. The laboratory will not be open to students for making up back work after that date.
(1) H. M. GOODWIN.

ASSISTANT MANAGERS OF TECH SHOW.
Competition for assistants in Tech Show, 1911, has begun. There are three assistants to be chosen, preferably one Sophomore and two Freshmen. Manager Lenaerts will be in the Show Office, Room B, daily, from 1 to 2 o'clock, to meet all candidates.

CIVIL ENG. SOCIETY PINS AND FOBS.
Design posted in Eng. A Bulletin Board. Plain Pins, 80c.; Pin with safety catch, \$1.00; Black Leather Fob, \$1.00. Members may obtain same by placing order with I. D. Powell, Wm. H. Coburn, or H. P. Ireland, AT ONCE.

LOST.
A small black leather-covered note book with owner's name inside front cover. Finder kindly leave at the Cage. (3)

FOURTH YEAR—COURSE II. HYDRAULICS.
November 26, 1910.
Exercises in Hydraulics will begin the week of Monday, November 28th, according to the Tabular View, in Room 47 Engineering A.
WALTER HUMPHREYS, Registrar.
(1)
1913.
There will be a class meeting December 2, at 1 o'clock, for the purpose of setting a date for Technique Electoral Committee.
S. M. BAXTER, Clerk.

NOTICE.
Two volumes of Technique for sale, 1894 and 1895; 1895 is dedicated by President Walker and has his picture as a frontispiece. Apply at Room 36, Walker.

NOTICE.
Gentlemen, I call to your attention that I will pay more for your cast-off clothing than any one in my line of business. A trial will convince you. Send postal to Max Keezer, 3 Bow street, or telephone Cambridge, Mass., 302. (1f)

Ben Ellis, 94 Dudley street, pays highest prices for Students' cast-off clothing. Send postal and will call.
Nov 22 (1)

SENIOR PORTFOLIO ELECTIONS.
Ballots for Senior Portfolio Committee elections have been left at the Cage for every man carrying a majority of subjects with 1911. Ballots due at the Cage Monday, December 5, at 4 P. M.
H. F. DOLLIVER, Clerk.

1912 PROM. COMMITTEE.
All nominations signed by ten men must be at the Cage by 4 P. M., Monday, December 5.
J. L. BERRY,
P. W. DALRYMPLE,
BATES TORREY.

NOTICE.
Tech News Board Meeting Saturday, December 3, at 1 P. M.

A sanitary fountain has been presented to the University of Utah by the girls of the school. The girls raised the money by making and selling pennants.

The "cane spree," or boxing bout between Freshmen and Sophomores at Princeton is to be held within a few days. Elaborate preparations are being made for the event.

A system of tagging was used at Syracuse in order to raise funds for the maintenance of a crew; \$25,000 has already been raised.

OLD COLONY TRUST COMPANY
Capital and Surplus, \$12,500,000.00
Main Office, Court Street
Branch Office, Temple Place
SAFE DEPOSIT VAULTS AT BOTH OFFICES

The Apollo
"The Chocolates that are different."
For Sale at the Union.

TRINITY COURT PETIT LUNCH
UNDER NEW MANAGEMENT.
Lunch, 12 to 2 25c
Table deHote 5 to 7 35c
\$5.50 Meal Ticket \$5.00
E. A. LONG, Prop.

FALL AND WINTER NOVELTIES
C. A. Patten & Co.
Merchant Tailors
43 Tremont Street, Carney Bldg.
Nobby Suits at Popular Prices.

Official Class Pipes
SILVER INLAID
Maurice Schryver
44 SCHOOL STREET
Just Below Parker House

ROWAN & CURRY
THE TECH BARBERS
Special attention paid to students at M. I. T.
In the New
Chauncey Hall Building.
85 Boylston St., (Opp. Copely Sq.)

"THE LITTLE PLACE 'ROUND THE CORNER"
COPLEY LUNCH
QUICK SERVICE

A homelike, first-class hotel, proud of New England traditions, dating from Gen. Warren, yet newly furnished with every comfort & convenience
Long distance phone and hot and cold water in every room. Kept constantly clean by our vacuum plant. Rooms \$1.00 a day and up.
THE AMERICAN HOUSE BOSTON
VISIT THE RATESELLER

WASHINGTON 108
F. W. BARRY, BEALE & CO.
Street number and name of place to buy stationery.
Corner of Elm Street.

"The Girls Are Fond of These"
Tech Emblems
Greatest Variety
Lowest Prices
BENT & BUSH
15 School Street BOSTON