MODEL OF CATHEDRAL EXHIBITION NOW

Miniature Nave Of St. John's In Pierce—Finest In Existence.

There is on exhibition in 40 Pierce a model of the offices of Cram & Ferguson, showing one-half of a "million dollar" nave of the Cathedral of St. John the Divine, now under construction in New York City. It is the most perfect and complete model of a building ever made and is constructed entirely of solid cardboard. All piers and walls are made of many layers of cardboard cut to profile and compressed on a solid mass. All carving is made of paper maché. The windows are made of several layers of celluloid, the color and lining being on separate layers in order that the richness of stained glass may be approximated.

So complete is the model that all the interior stairways and passages, (Continued on Page Six)

TECHNIQUE BAND

Full Brass And Woodwind Quote—Wanted—Rehearsal Thursday.

Technique Band will meet for the first time this year at the Technique Office tomorrow afternoon at five o'clock. Invitations to attend are issued to all men in the Institute who have had any band experience whatever. Players are wanted for first, second, and third cornets, first and second trombones, altos, tenors, baritones, first and second clarinets, flutes, piccolos, flutes, basses, snare and bass drums, and cymbals.

Music will be given out at the first meeting, and a short practice will be held. Those who cannot attend, but who wish to be in the band's festivities later, may leave their names at the Cage for J. M. Defelit.

The band plans this year to offi- cate on Field Day, at Tech Night, and at various other functions of the sort, in addition to the regular Techni- que Rush Parade later in the year.

BROWN GAME TICKETS

Applications for the Harvard-Brown game to be played at the Stadium November 13, close this Friday evening at 6 o'clock. Institute students in courses I, II, III, VI and XI, who are candidates for Harvard degrees, are eligible to apply. Applications must be filed at the Harvard Athletic Association office in Cambridge, $1.50 for each ticket being enclosed in the application. Students may order but one ticket, but the single seat applications receive first choice. The H. A. A. office is five minutes' walk from Harvard square.

OUTLOOK FOR TRACK SEASON AUSPICIOUS

Intercollegiate Meets A Feature Of Coming Year—Several Dual Meets.

The Track Team is looking forward to a very successful season this year due to the fact that certain financial backing is assured by the Blanket Tax and also from the fact that an increased interest in track has been shown by the students.

The Cross Country season is already well under way. One trip has been made to Amherst to compete with the Massachusetts Agricultural College. Six of the first ten men to finish were Technology men, securing victory by a good margin. Captain Brown took first place in a splendid (Continued on Page Three)

FALL HANDICAP MEET

To Be Held Saturday At The Field—Entries Wanted.

The annual fall Handicap Meet will be held at the Field on Saturday, October 30, and will start promptly at 2:30 o'clock. The price of admission will be twenty-five cents except to Blanket Tax receipt holders, who will be admitted upon dishing of their receipt.

The primary object in holding the meet is to encourage new men. Interest is expected to be aroused also among the experienced members of the team, since with the liberal handicaps allowed by Coach Kanaly, every man has a chance to win. Four places will be counted in the scoring. Entry books for the meet can be found in Rogers Building, the Union, and at the Field. The management states that it expects every man out for track to sign up.

M. E. SOCIETY TRIP TO CHESTNUT HILL

City Pumping Station To Be Visited This Week Saturday.

The M. E. Society has arranged for a trip through the Chestnut Hill Pumping Station, the most important of the stations which supply Boston, and the surrounding towns with water. After reaching the Chestnut Hill Reservoir by gravity, the big pumping engines force the water into the city's mains or into other reservoirs. Boston has in fact two water systems— a high and low pressure. The high pressure is primarily for fire protection while the other is used for domestic purposes. In addition a number of standpipes are supplied which assure water being on hand in case of an accident to the pumping station.

Housed in Building No. 2 are four triple expansion pumping engines. Three of these have a capacity of 35,000,000 gallons each every 24 hours, while the fourth has a capacity of 45,000,000 gallons. Some idea of the size of these engines may be had from the fact that the low pressure cylinder of the "Jumbo" is 90 inches in diameter and the stroke is 30 inches. The tops of the cylinders are about 25 feet above the floor level.

The supply of steam for these en- (Continued on Page Three)

TECHNICAL BAND

N. E. TOURTELLOTE, '17
Track Manager

The T. C. A. has been fortunate in securing Mr. Clas. Hurrey of New York as the speaker for this week's talk in the Union. Mr. Hurrey is at the present time secretary of the Committee on Friendly Relations among Foreign Students and is visiting this week, the foreign students of Harvard and Technology. His subject will be, "The Demands of Our Times on Technical Men."

Tomorrow night at the Cambridge Y. M. C. A. a reception will be held for Armenian students attending the Institute. The affair has been arranged through the T. C. A.

Sollicitors working for the T. C. A. in the present Finance Campaign are requested to report at the T. C. A. office not later than Thursday at 6.00 o'clock.

SHOW WRITERS

Friday of this week will be the last chance for handing in material for the short sketches and specialty acts. Coach Hume wishes every man to have his idea worked up in written form so that it can be ready for inspection.

ELECTRICALS TRIP

The Electrical Engineering Society will take a trip Friday to the Charlestown Navy Yard to inspect the electrical equipment of one of the ships. As the number is limited to 25, sign-up should be made immediately. The paper can be found in Lowell Corri- der near the Library. The party will leave Lowell at two o'clock.

CALENDAR

Wednesday, Oct. 27, 1915.

1.00—Seat Sale for Tech Night at Colonial. Window outside Rogers Li- brary.
4.00—1918 Tag-of-War. Oval.
5.00—Institute Committee Meeting. Union.
3.00—Library.
8 Eng. C.

Thursday, Oct. 28, 1915.

1.00—Seat Sale for Tech Night at Colonial. Window Outside Rogers Li- brary.
1.30—T. C. A. Talk. Union.
2.00—Last Chance for Glee Club Seats for "Watch Your Step."
4.00—1918 Tag-of-War. Oval.
5.00—Institute Committee Meeting. 8 Eng. C.

Friday, Oct. 29, 1915.

1.00—Seat Sale for Tech Night at Colonial. Window Outside Rogers Li- brary.
2.00—Last Chance for Field Day Teams' Seats for "Watch Your Step."
2.00—E. E. Society Trip to Charlestown Navy Yard. Lowell Building.
4.00—1919 Tag-of-War. Oval.
4.00—1919 Tag-of-War. Gym.
5.00—Mass Meeting. Huntington Hall.

Saturday, Oct. 30, 1915.

1.00—Seat Sale for Tech Night at Colonial. Window Outside Rogers Li- brary.
2.00—Seat Sale for "Watch Your Step" Classes. After This Seats On Sale At Colonial Theatre.
THE TECH

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WEDNESDAY, OCTOBER 27, 1915

COMMUNICATION
To the Editor of The Tech:

There seems to be a lack of knowledge on the part of a great many freshmen regarding their class dues. Although collectors in all sections have been working from the first of the term, at the present time the percentage of payments is small compared with what it ought to be.

The blank tax does not include dues as many thought and unlike that tax, the payment of class dues is made as compulsory as the Institute Committee is able to make it by declaring only those who have paid their dues eligible for class offices.

It certainly is a showing of poor class spirit and indirectly of "Tech Spirit" when members of the freshman class either neglect or refuse to take enough interest in their class to pay their dues.

It is to be hoped that before the elections take place after Field Day that the Class of 1919 will brace up and show as large a percentage of paid-up members as the freshman classes of the past have shown.

EDWARD P. BROOKS '17, Temporary Treasurer, 1915.

CORPORATION CHANGES
Vacancies From Various Causes And New Additions.

In the current announcement of the personnel of the M. I. T. Corporation, three of the life members are seen to have passed on:

William E. Edmiston, James P. Tolman and Lucius Tuttle. Howard Elliott takes the place of Mr. Tuttle and Edwin Webster has been elected to one of the vacant places; the other remains unfilled.

With reference to the term members, three of whom are elected by the alumni each year for a term of five years, Frank W. Rollins, Edward Cunningham and Edwin S. Webster have retired. The latter has become a life member. William H. King of New York, James W. Hollins and Jasper Whiting will serve until 1920.

Dr. MacDonald is president of the corporation, and James P. Monroe and Francis R. Hart are secretary and treasurer respectively. On the auditing committee Eben S. Stevens replaces James P. Tolman. Arthur D. Little has been added to the managing board of the Society of Arts.

To the visiting committee on Civil Engineering, A. Farwell Benes and J. W. Rollins have been added; to that on Mechanical Engineering, Howard Elliott and Charles W. Hubbard; History and Political Economy, Whiting, Webster and Winslow. Mr. Whiting also replaces James P. Tolman. Arthur D. Little has been added to the managing board of the Society of Arts.

INSTITUTE COMMITTEE

There will be a meeting of the Institute Committee on Thursday, October 28, at 8 o'clock in 8 Eng. C.

WATCH YOUR STEP is hilarious fun—as gay, extravagant, festive an offering as anyone could possibly hope to see. 122 Orchestra Seats left.

"WHEN IN NEED OF TRUST COMPANY SERVICE CONSULT THE OLD COLONY"

A SINGLE BANK WITH THREE OFFICES IN DIFFERENT SECTIONS OF BOSTON

Old Colony Trust Company
17 COURT STREET
52 TEMPLE PLACE 222 BOYLSTON STREET

McMORROW
College Shoes for College Men
238 WASHINGTON STREET, BOSTON, MASS.

OPPOSITE THOMPSON'S SPA

Students' Clothes
J. C. LITTLEFIELD
High Class Tailor
12 BEACON STREET

Evening Clothes a Specialty

6 PHOTOS $1.50
6 PHOTOS $1.50
6 PHOTOS $1.50

IF a man wants to "stand out in a crowd" he don't have to act peculiar. He can be out of the ordinary, the way VELVET does it—by bein' always kind an' cheerful an' honest.

“Vestibule”
Chinese Defense Discussed Here

The Chinese students of Technology and Harvard studied last spring, when the Japanese situation was so critical, that they would have to do more than just talk over matters here in the United States. This was the beginning of the National Defense League of China. The old members who are back to college this year held a meeting yesterday in the Union to discuss how new Chinese students should be made members of the League and admit them as members.

The purpose of the League is to acquaint the people of China with what is going on in the way of national defense, and to impress upon them the necessity of properly defending their country. To accomplish this aim they are publishing a monthly paper in China, printed in Chinese, which will act as a medium to spread information. The business manager is a former resident in China, in M. C. Hau, '14. The members of the League are to act as correspondents under different directions of T. Chang, '15, an editor-in-chief.

There are no regular meetings of the League as most of the work to be done is writing. In case there is anything of interest to discuss, however, a meeting is called as soon as possible. The other officers acting now are P. Chang of Harvard, chairman, and L. Ching, also of Harvard, secretary.
"AN EXHIBITION OF NEW STAGE CRAFT."

Coach Of Tech Show Leaves To Take Charge Of New Production.

Mr. Samuel Hume, who coached the Tech Show last year, left Boston Saturday, almost immediately after signing a contract to stage Tl'ech Show in 1916. He leaves for Philadelphia, where he is to have charge of "An Exhibition of the New Stage Craft."

Mr. Hume has been traveling around the United States with this exhibition since last April, when he had charge of the production of "Getting A-Cross." The new stage craft has interested Europe for some time, but has only recently been taken up in the United States. The theatre directors of Russia and Germany have been absorbing in making progress in stage design and theatrical production for the last ten years and by original and artistic use of color have brought new beauty into the playhouse, beauty adapted in each case to the nature of the drama produced.

Mr. Hume himself is a leading designer and producer of this style of stage craft, and in his exhibition he has gathered a number of sketches, photographs, designs of scenes and costumes showing the latest ideas. It is the first of its kind in this country, and in it the work of American artists as well as of prominent European ones was shown. It has been given by Mr. Hume in New York, Detroit, Cleveland, Chicago and San Francisco.

TECH NIGHT

President Farthing has chosen "Organized Enthusiasm" as the slogan for Tech Night, and with this in view he hopes that every undergraduate will be present to get into the swing of the affair.

Yesterday at two o'clock it was announced that there were one hundred twenty-two seats left on the lower floor of the Tech Night performance. The boxes are being held for the Sophomore Field Day teams and the first two rows in the first balcony for the freshmen teams.

Tickets for the box seats will be issued except to the managers and they will not be held after 2 o'clock Friday. Seats in the special orchestra section engaged by the Glee Club members must be purchased and paid for by 2 o'clock Thursday. After this time they will be placed on general sale.

The sale of tickets during the two hours that the window in Rogers has been open has exceeded that of any Tech Night during the last three years.

SENIOR MARRIED

The marriage of Miss Marion Chalmers of Wellesley, vice-president of the Senior Class at Wheaton College, to Walter Harrison, '16, has been announced. Miss Chalmers was president of the Glee Club, the leading literary organization at Wheaton last year.

WATCH YOUR STEP WITH MRS. VERNON CASTLE ON TECH NIGHT

A New Model Typewriter!

The No. 9

The Standard Visible Writer

BUY IT NOW!

Yes, the crowning typewriter triumph is here

It just out—and comes years before experts expected it

For makers have striven a lifetime to attain this ideal machine. And Oliver has won, as we scored when we gave the world its first visible writing.

There is truly no other typewriter on earth like this new Oliver "9." Think of touch so light that the tread of a kitten will run the keys!

For makers have striven a life-time to attain this ideal machine. And

The Oliver 9 is here

NOW!

The new-day advances that come alone on this machine are all controlled by Oliver. Even our own previous models—famous in their day—only had the Optional Duplex Shift.

It puts the whole control of 84 letters and characters in the little fingers of the right and left hands. And it lets you write them all with only 28 keys, the least to operate of any standard typewriter made.

Thus writers of all other machines can immediately run the Oliver Number 9, with more speed and greater ease.

17 CENTS A DAY

Remember this brand-new Oliver comes at the old-time price. It costs no more than lesser machines—now out of date when compared with this discovery.

For while the Oliver's splendid new features are costly—we have equalized the added expense to you by simplifying construction. Resolve right now to see this great achievement before you spend a dollar for any typewriter. If you are using some other make you will want to see how much more this one does.

If you are using an Oliver it naturally follows that you want the newest model.

L. PINKOS

College Tailor

338 Washington Street, - Boston
Harvard Square, - - Cambridge

Announces the Twentieth Season Opening of his Fall and Winter Importations

The assortment is larger and more exclusive than ever before. College men who are in the habit of wearing correct clothes are assured of receiving the style and attention such as they desire.

I INVITE YOUR INSPECTION

L. PINKOS - COLLEGE TAILOR

THE TECHNOLGY ORCHESTRA

Prospective Plans Formulated At Meeting Yesterday.

A meeting was held yesterday afternoon of all men interested in a permanent orchestra at the Institute in the Union. The men out for this activity would be incorporated in the Tech Show Orchestra the second term if they proved themselves capable.

The Tech Show would be thus benefited by having an orchestra already formed and composed of non-acquainted to playing with each other.

The class of music would be some of the singular symphonies and semi-classical pieces.

In the near future a call for candidates will be issued and a meeting held at which Mr. Howard will talk on the general plan concerning the founding of an orchestra.

THE TECH, BOSTON MASS., WEDNESDAY, OCTOBER 27, 1915

L. PINKOS - COLLEGE TAILOR
SHOW COMPETITION

Freshman Candidates Wanted In Publicity Dept.

Candidates for the position of freshman assistant in the Publicity Department of the Tech Show will meet Publicity Manager R. S. Stevens in the Tech Show Office Wednesday, November 3rd. At that time the details of the work in this department will be explained and the first assignments given out.

In general the work consists, in part, of supervising the getting out of the annual Show Poster, in doing the newspaper and billboard advertising, and in writing articles for The Tech. Experience in theatrical work is not necessary, as the competitors will be judged by the manner in which they perform their work. Ability to write plain English is the main consideration.

WATCH YOUR STEP is musical comedy's one big bet. 122 Orchestra Seats left.

UNCALLED-FOR MAIL

Letters addressed to the following may be had by calling at the Superintendent of Buildings and Power office, 26 Trinity Place:

NAME PLACE OF MAILING
J. de Meinauer Boston, Mass.
H. E. Mamer Boston, Mass.
W. Maximilian Boston, Mass.
Ralph Daye Quincy, Mass.
N. D. Fellett Boston, Mass.
M. M. Anderson Marion, Ark.
D. Earl Wilson Amherst, Mass.
M. N. Schrader Brookline, Mass.
Percy Ford Boston, Mass.
Harry Jessett Boston, Mass.
Wm. Haddon Dorcester, Mass.
Clark O. Tafttort New York
R. Minato North Carolina
Miss Clara Drew Warren, Va.
V. F. Lau Unknown

WATCH YOUR STEP—The synaptic sensation of the age. 122 Orchestra Seats left.

Do you need a suit or a pair of shoes? The Tech is in a position to supply your wants at extremely attractive prices. We represent some of the best dealers in Boston. See the Treasurer or the General Manager and become acquainted with a method whereby you can save yourself money on suits and shoes.

LOST

Lost—A pair of bone-rimmed spectacles in one of the Institute buildings last Friday or Saturday. Please return to Cage. Reward offered. J. C. Hewes.

LOST

Lost—A bunch of keys. Finder please leave at Cage for A. B. Duvall.

Chemical Society

Members to Hear Professor Blucher At Engineers' Club.

Fifty members of the Chemical Society have been invited to attend a meeting of the Engineers' Club of Boston on the evening of Friday, October 29. Professor John E. Blucher, of Brown University, will give an address on, "The Fixation of Atmospheric Nitrogen", describing a new process of his own invention which is now operating on a commercial scale near Providence. Those members who are sure they can attend the meeting may sign up at the main bulletin board in Walker. The party will leave the Union 7:40 Friday evening.

The regular meeting of the Society has been postponed until the latter part of November.

WATCH YOUR STEP is stupendous—more stars than the Milky Way. 122 Orchestra Seats left.

FOUND ARTICLES

Articles enumerated below have been found. Owners of same may obtain them at the office of the Superintendent of Buildings and Power, 26 Trinity Place.

Three umbrellas, 2 pairs of glasses in cases, 1 slide rule case, 3 fountain pen cases, 1 small rule, 1 mechanical drawing book by Adams, 2 note books, 2 overcoats.

Students' Cast-off Clothing

Phone, Write or Call
Open Evenings to 9 o'clock
R. B. 6843.
VERNON CASTLE ON TECH NIGHT

Fall and Winter Suits and Overcoats
FOR YOUNG MEN
IN ALL THE NEWEST MODELS

Special Values at $15.00 and $20.00

CATHEDRAL MODEL
(Continued from Page One)

PORTFOLIO SIGNUPS
Signups for photographs for the Senior Portfolio will close next Mon-
day for those Seniors to whom let-
ters have been sent out. Appoint-
ments after this date can be made
only by special arrangement, with
some slight expense probably en-
tailed.

WATCH YOUR STEP WITH MRS.
VERNON CASTLE ON TECH NIGHT

A pretty girl, Because his pipe
A summer night, is filled with sweet
A man, And mel-
And he'll succeed, O! Low, rich TUXEDO!

Get yourself properly Tux-ified and you'll make
all rivals look as though they were tied to a post—
'cause there's no tobacco made that rivals Tuxedo for
spedding things up.

You just can't taste the savory flavor and whiff the snappy
fragrance of "Tux" without feeling the spirit of hustle
shooting through your whole system.

Tuxedo
The Perfect Tobacco for Pipe and Cigarette

And no wonder! For there's no tobacco leaf in the
wide world so rich as the choice, ripe Burley that Tuxedo is made
of. When this wonderful leaf is mellowed to perfect mildness and
every last bit of bite taken out by the original "Tuxedo Process" you
have a smoke that's packed full of life and joy and satisfaction.

Try Tuxedo for a week.

You CAN BUY TUXEDO EVERYWHERE

Convenient, glassine wrapped, moisture-proof pouch . . . 5c
Famous green tin with gold
lettering, curved to fit pocket
In Tin Humidors, 50c and 80c
In Glass Humidors, 50c and 90c

THE AMERICAN TOBACCO COMPANY