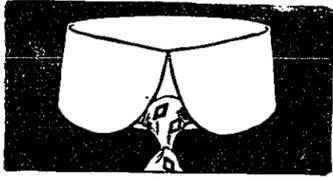




**Riverbank Court Hotel
Cafe**

Opposite Technology Buildings
Service a la carte or table d'hotel
Dutch Room and Garden of Roses may
be engaged for banquets, assemblies,
luncheons, etc. Menus submitted.



MARLEY 2 1/2 IN.
DEVON 2 1/2 IN.
**ARROW
COLLARS**
15 cts. each, 6 for 90 cts.
CLUETT, PEABODY & CO., INC. MAKERS

**TECHNOLOGY'S ELABORATE PIPE
SYSTEM**

Colors of Pipes Describe Contents—
50 Miles of Pipe in Buildings

Throughout the buildings, especially in the laboratories, there are pipe systems conveying not less than twenty-one different liquids and gases to points where they can be utilized. To avoid confusion of the pipes and to prevent any accidents such as the tapping of a pipe containing ammonia under pressure instead of one containing illuminating gas or water, a system of coloring the convectors has been devised by Professor E. A. Miller, head of the Mechanical Engineering Department, and Superintendent of Buildings and Power, A. S. Smith. A similar scheme is frequently used in industrial establishments when repairs are to be made upon pipes, but such a coloration as then occurs is seldom permanent and almost never accounts for a large number of different substances.

In the Institute there are six groups of pipes conveying liquids and gases for regular consumption. There are pipes for water, steam, air, burning gas, drainage and the refrigerating processes. In addition, there are the ventilating ducts, conduits for electric wires, and pipes for the sprinkler system. Altogether in the buildings there are about fifty miles of pipes varying in size from one inch water supply to fourteen inch steam mains. In the galleries through which the pipes run to points of vantage for local distribution, only the joints are tinted; in most other parts of the buildings the convectors are white with little patches of color usually at their joints; but in the big mechanical engineering laboratory they are painted their entire lengths.

Three kinds of water are used in the buildings. There is water from the river basin for experimental purposes, the Cambridge filtered supply for drinking, and the Cambridge domestic supply, carried in pipes marked with emerald green, light yellow and light blue, respectively. Also there is considerable distilled water in the laboratories, but that is made on the spot and conveyed short distances in pipes of block tin.

Pipes containing compressed air from eight to eighty pounds pressure are marked with a light drab, while those containing air at eighty or more pounds pressure are marked or lined in black. Pipes for the vacuum cleaning system are of a slate color, and chemical suction pipes are light brown.

In the steam laboratory there are seven varieties of pipes. Steam at high pressure is carried in pipes of white or black, steam at sixty pounds, white with orange color at their joints. Exhausts at atmospheric pressure are orange, and at vacuum, orange with red trimmings, while the three drips, high, intermediate and low, are oxide red, the two latter having black and orange trimmings, respectively.

In the refrigeration work the brine pipes are colored ultramarine, while the ammonia circulates in black pipes. The illuminating gas system is marked by colorings of maroon, the sanitary pipes of the building are white or black, and the cast iron laboratory wastes are colored VanDyke brown. Sulphuretted hydrogen, in extensive use in the laboratories, is conducted to where it is needed in pipes of light green.

FACULTY NOTICE

Fourth Year Students have been notified in regard to their deficiencies below the fourth year. Anyone who expects to be a candidate for graduation in June, 1917, who has not received such a notice should consult me at the earliest opportunity.

A. L. MERRILL, Secretary.

The lecture in first year Chemistry of Tuesday, Nov. 14, scheduled by the Tabular View for 2.00 o'clock, will, on this day, begin promptly at 1.30.

WALTER HUMPHREYS,
Registrar.

COMMUNICATION

To the Editor of The Tech.

Dear Sir:—The need of a place where the students may go between classes is realized by all and becoming more evident daily. The familiar sight of men loitering about Building 10 is a good argument in favor of having some place somewhat similar to the late lamented Union. So now that the "Morgue" is a thing of the past, why not use this room for such a purpose? I think that the proposal will appeal to all and hope that it will be acted upon.

JOHN W. KILDUFF '19.

M. I. T. ORCHESTRA

Until further notice the time from 4.15 to 5.00 o'clock will be devoted to rehearsing the violin section of the orchestra alone. Violin players are to report at 4.15 o'clock today; the other men in the orchestra are to report at 5.00 o'clock.

CHEMICAL SOCIETY TRIP

Union Glass Company to Be Inspected
by Groups of Students

Over fifty members of the Chemical Society spent an interesting and enjoyable afternoon Tuesday when they visited the plant of the American Sugar Refining Company. The men were divided into groups and each group spent two hours going through the plant.

The next trip is scheduled for Thursday afternoon, Nov. 9, when the plant of the Union Glass Company of Somerville, will be visited. The groups of five men each have been selected to make this trip. The first group consisting of Atwell, Basch, Gillespie, Pan and Surfeit, will be due at the plant at two o'clock; the second group consisting of Bolan, Brandigee, Franklin, Omilich and Shapiro, are to be at the plant at three o'clock; and the third group consisting of Clayman, Macmillan, Sherman, Spector and Stevens, at four o'clock. It is absolutely necessary that each group be at the plant at their scheduled hour and as the number of men taking the trip is so limited, each man selected should make an effort to attend. A half hour should be allowed for getting out to the plant. The route is Massachusetts avenue car to Central square, and transfer there to Spring Hill car, which goes by the plant.

The next announcement of a trip will be in Friday's issue of The Tech.

TECHNOLOGY'S AEROPLANE

Machine Presented to Institute by
Burgess Will Soon Be Used

The aeroplane which caused many rumors ranging from war to the introduction of aviation in Field Day sports when it was recently brought into the new buildings, will soon be used in the Testing Laboratory. The machine is an old Bleriot model of the typical cross-channel type and is equipped with a two-cylinder Bayard-Clement motor. It will be tested for its strength under various conditions, one of which will be the twisting forces acting upon the main body due to turning the rudder to the maximum angle.

In former years this machine was famous. It was brought to New York from England by Aubron, a well-known English aviator, and was entered in the International Aviation Meet at Belmont Park, where it competed successfully with other machines from all parts of the world. After the meet it was sold to Mr. Burgess, of the Burgess Aero Company, who brought it to Boston and exhibited in the Aero Exhibition of 1911 and later presented it to the Institute.

TECHNOLOGY MAT MEN

Manager Moody Expects Successful
Season

Despite the fact that the varsity wrestling team for this season will be without the services of Loo, Morse, Giles and Sache, four of last year's large point winners, Manager Moody, in talking to a reporter of The Tech, predicted a record breaking season. The members of last year's second team will in a large measure fill the gaps caused by the loss of these men.

A meeting of the freshmen substituting wrestling for gym work was held Monday afternoon. Manager Moody, in speaking to the thirty-two men who were present, urged them to try for the varsity team. He pointed out the need for more heavyweights and offered regular varsity practice in the Cambridge Y. M. C. A. to those who could qualify. This practice is to take the place of gymnasium work. In commenting on last year's crack team he said that their record could be broken if the freshmen as well as the upper classmen will try for the varsity squad.

The freshmen wrestlers will have three hours a week of practice and all cuts will have to be made up. There will be special elimination matches for those who try for the varsity team.

Today at 4.00 o'clock there will be a meeting of all men interested in wrestling in Room 2-290. James A. Higgins, of Noble and Greenough, who will coach the team, Captain Rounds, and Manager Moody will speak. A athletic director of Noble and Greenough, Mr. Higgins has developed many good athletes and his record as an amateur athlete was brilliant.

Meets have been arranged with Penn State and Pittsburg University for the mid-year's trip. The team will also wrestle Tufts, Brown, Springfield, Columbia and Harvard. A schedule will be made out for a second team and the freshmen, if enough men report.

Candidates are needed particularly for the heavyweight positions, 145 pound class and the 115 pound class. A competition will also begin for the positions of Second Assistant Managers, being open to Sophomores. No previous experience is required.

Tech Students

Can be Clothed to their Complete
Satisfaction by

Macullar Parker Company

400 WASHINGTON STREET, BOSTON

Fall and Winter Suits
Overgarments, Furnish-
ing Goods and Hats

ARE NOW ON VIEW

THE TECH 'CAF'

"A SQUARE MEAL AT SQUARE RATES"

Breakfast, 7.30-9 Luncheon, 11-3 Dinner, 5.30-7

**Central
Trust
Company**

THE OLDEST BANK IN CAMBRIDGE
599 MASS. AVENUE

LARGEST SUBURBAN TRUST COMPANY IN
MASSACHUSETTS

Nearest Cambridge Bank to Technology

TECH MEN

Who desire to appear with more distinction than when clothed in ready-to-wear apparel are invited to call at either one of my stores and inspect my line of woolens as well as get acquainted with my prices.

The best dressed men in your fraternities are among my patrons. Why not you?

L. PINKOS
COLLEGE TAILOR

338 Washington St.
BOSTON, MASS.

Harvard Square
CAMBRIDGE, MASS.

The Place to Enjoy a Good Meal
OAK GROVE CAFE
731 Mass. Ave.
Near Central Sq.
BEST EQUIPPED DINING ROOM IN
CAMBRIDGE
Open Sundays and Holidays

Tel. B. B. 3556 Hand Carved Frames
STOCKFORD'S
ART STORE AND FRAME SHOP
47 Massachusetts Ave., Boston
Bet. Commonw'th Ave., & Marlboro St.
Pictures Framed at Reasonable Prices
Frames Regilded and Mirrors Resilvered
Open Evenngs until 9, except Thursday

VENUS
10¢ PENCIL
17 Perfect Degrees
from 6B Softest
to 9H Hardest
and hard and
medium copying

LIKE a soft-leaded easy marking pencil? Take the higher numbered B's such as 3B, 4B, 5B. For the extreme limit of softness 6B is without an equal and is used by many as being the ideal of all pencils.

Medium degree is HB. H's are the harder grades, 2H or 3H being medium hard, and 6H, etc., being used for thin, clear, fine lines of detailings. Your professors will confirm these statements as to the merits of VENUS pencils. Note the distinctive VENUS water mark finish when you buy.

**VENUS
ERASER**
is beautifully smooth and even in texture. It rubs out pencil marks perfectly. Gray, and does not cause discoloration. 12 sizes from 100 to a box to 4 to a box. Box price \$2.00. Venus Erasers are the best erasers. Ask for them by name.

Correspondence Solicited
For Sale by Your Supply Store
American Lead Pencil Co.
215 Fifth Ave., Dept. P.P., New York