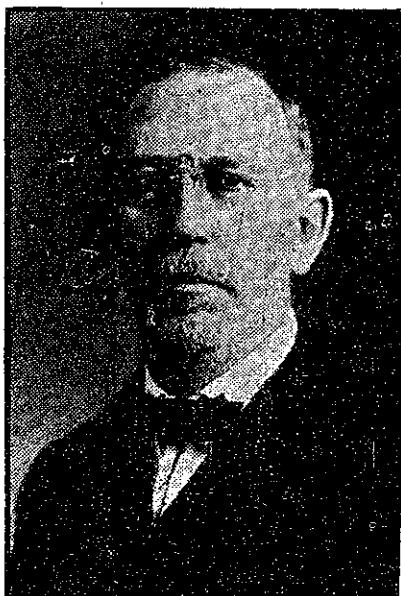


PROF. LANZA RETIRES FROM ACTIVE SERVICE

Miller Made Acting Head of Department—Schwamb Also on Retired List.

Among the most important changes in the faculty which have taken place this summer, the one of perhaps the most importance is the resignation of Professor Gaetano Lanza from active charge of the Department of Mechanical Engineering and the subsequent appointment of Professor Miller as acting head of the department.

Professor Lanza, who will remain as Professor Emeritus, has been connected with the Institute since 1871, when he first took up his duties here as an instructor of mathematics. He was promoted to assistant professor of mathematics in 1872, and 1875 he became a full-fledged professor of theoretical and applied mechanics. In 1883 he became the head of the Department of Mechanical Engineer-



PROF. GAETANO LANZA

ing and Applied Mechanics, and held that position until his resignation last June, after having been in charge of the course for the past twenty-eight years.

He has made many important resignations on the balancing of high-speed machinery, upon reinforced concrete, and upon many other engineering subjects, the results of which have been invaluable to science. He is the author of "Applied Mechanics," which is used as a text book at the Institute, and of "Notes on Mechanical Engineering" and "Notes on Friction." The loss of his service is felt greatly both by the faculty and the students. He has been a sincere friend of all Tech men, respected and admired by all.

Professor Edward F. Miller, now the acting head of the department, was graduated from the Institute in Course II in 1886, and following his graduation became an assistant in the department. In 1888 he was made an instructor and in 1892 became an assistant professor in steam engineering, and since then has conducted that course, being made a professor in 1906. He is a member of several engineering societies, and he has made many investigations in steam engineering problems. He is the author of "Steam Boilers" (with Professor Peabody), "Waste Heat Engines," "Foreign Technical Schools," and a number of articles in engineering papers.

(Continued on page 2, column 1)

MEMBERS OF FACULTY RECEIVE PROMOTIONS.

New Men Appear on the Instructing Staff and Old Assistants Have Gone.

During the summer there have been a large number of changes in the personnel of the Faculty and the Instructing Staff of the Institute. Men have gone up and down and others have left for various reasons. Professor Miller has been raised to the rank of head of the Mechanical Engineering Department and one of the other departments, Biology, has had its name changed to the Department of Biology and Public Health. Course I, the poor Civils, have had the addition of compulsory summer put into their course and some of the other departments have had the amount of work raised in the same way.

The Corporation have changed the titles of W. H. Walker from Professor of Chemistry to Professor of Chemical Engineering; W. K. Lewis, from Assistant Professor of Chemistry to Assistant Professor of Chemical Engineering. Associate Professor G. N. Lewis has been promoted to Professor of Chemical Engineering.

The other changes are as follows, being arranged by departments showing the men who have left as well as those who are just coming.

Civil Engineering.

Lost—W. K. Brownell, Inst.; E. S. Clark, Asst.; W. W. Clifford, Asst.; R. W. Horne, Asst.; F. S. Lovewell, Asst.; M. W. Rew, Asst., and J. P. Wentworth, Asst. No promotions.

New—H. P. Ireland, '11, Asst.; H. L. Manley, Asst.; I. F. Morrison, '11, Asst.; T. B. Parker, '11, Asst.; E. C. Vose, '11, Asst.

Mechanical Engineering.

Lost—L. E. Briggs, Asst.; L. B. Chapman, Asst.; C. E. Leavitt, Asst.; L. E. Sawyer, Asst.; Peter Schwamb, Prof. (retires); R. E. Thayer, Inst.; A. P. Truette, Inst.; C. W. Wilson, Asst.

Promotions—J. J. Eames, Asst. to Inst.; Gaetano Lanza, Prof. to Emeritus.

New—R. G. Adams, '11, Asst.; J. S. Beamensderfer, Asst.; A. L. Gardner, '11, Asst.; T. H. Haines, '11, Asst.; W. T. Jones, '11, Asst.; C. A. Robb, Asst.; H. W. Waterfall, '11, Asst.

Mining Engineering and Metallurgy.

Lost—B. S. Wohlgemuth, Asst.
New—M. A. Grossman, '11, Asst.

Architecture.

Lost—H. E. Fowler, Inst.
New—M. M. Corey, '12, Asst. (half time).

Electrical Engineering.

Lost—H. Agee, Asst.; L. N. Downs, Asst.; F. R. Lufkin, Asst.; C. L. Dawes, Asst.; H. W. Smith, Assoc. Prof. (leave of absence).

Promotion—F. G. Perry, Asst. to Inst.

New—Sydney Alling, '11, Asst.; V. S. Foster, Asst.; W. S. Gorton, Asst.; J. P. King, Asst.; N. S. Marston, '11, Asst.; D. Terwilliger, Asst.; H. P. Thomson, Res. Asst.

Biology and Public Health.

Lost—T. L. Lathrope, Lab. Helper.
Promoted—Selskar M. Gunn, Inst. to Asst. Prof.

Mathematics.

Promoted—E. B. Wilson, Assoc. Prof. to Prof.

Chemistry.

Lost—F. L. Bardwell, Assoc. Prof.; J. M. Blier, Asst.; R. O. Fernandez, Asst.; S. Jordan, Inst.; Ellen H. Richards, deceased; Walter Spaans, Asst.; L. W. Waters, Asst.; E. N. White, Asst.

(Continued on page 2, column 2)

FRESHMEN HOLD FIRST MEETING YESTERDAY.

Dewey Delivers Address of Welcome, Hilton Elected Temporary Chairman.

Yesterday noon at one o'clock the freshmen met in Huntington Hall for their first time as a class, to receive their welcome to the Institute and elect Field Day managers and temporary officers. As President Maclaurin was detained, Prof. Dewey, chairman of the Faculty, opened the meeting and delivered the address. Among other things, he mentioned five qualities which are demanded of a young man about to enter the business world as an employee; namely, punctuality, system, concentration, business integrity and tactfulness. He said that to cultivate these five meant to lay a foundation for all the rest of the virtues, and he urged the men to look for these qualities in themselves and to cultivate them.

He also endeavored to impress the men with the value of a technical education. The Institute cannot be compared with a college or university, and the entering class must come to realize that it is here for a special purpose and a definite end, and not for four years easy residence. He concluded by welcoming the freshmen in behalf of the Institute and wishing them the best of luck.

Dean Burton was then introduced and spoke a few words emphasizing the benefits derived from the course in physical training, and told about Field Day.

President Rogers of the Junior Class then took the chair and extended a welcome on behalf of the Junior Class. He called for the cheerleaders, and four husky Juniors climbed to the platform and proceeded to teach the newcomers the elements of Tech cheering. At first bashfulness overcame them but finally in spite of the terrific heat a great deal of enthusiasm was aroused. An outline of Field Day sports was given by the different men who have represented them in the years past. Eichorn talked about football, Bylund on the relay team and Tart told of the tug-of-war. Each of the speakers urged the Freshmen to come out and try for the teams whether they had ever had any previous experience or not.

Finally nominations for temporary chairman were in order, bringing out the following names: G. B. Hilton, M. Dalton, Roland Baldrey, E. Proctor and E. Scully. Gabe Bouck Hilton was unanimously elected. Mr. Hilton was called upon to speak and responded by thanking the men for his election and adding that he intended to do his best to fill the position of temporary chairman. He comes from Oshkosh, Wisconsin and prepared for the Institute at Exeter Academy, where he was prominent in several of the class and athletic activities.

Marshall Dalton of Portland, Maine, was unanimously elected temporary treasurer, and A. Morrison, F. Spear, and C. Lyons were elected to the respective positions of managership of the football, relay, and tug-of-war teams.

The meeting was closed with a cheer for 1915, given with such a vim that the hall resounded with the echoes of '15, '15, '15.

Basket Ball will be given a conditional lease of life for the coming season under an entirely new financial system, which will mean, in effect, that it will have to be absolutely self-supporting.

COACH KANALY HAS GREAT SUCCESS.

Twenty-four Races and Wins Professional Championship for Middle Distances.

Although the athletes of Technology did not loom up very strong in the Intercollegiate, many of them made good in the open meets during the summer. The names of Harvey Benson, T. H. Guething, P. W. Dalrymple, T. A. Wilson and Gale Shedd were among the prominent ones, but none succeeded as well as their coach, Frank M. Kanaly, who while abroad defeated the leaders of the professional class. Many years ago Mr. Kanaly was the best long-distance runner of New England, but few of his old followers thought that he still had the "stuff" in him to win the world's championship in the middle distance class, the most difficult of any races.

All the races were run in Great Britain between July 1 and September 4, and of the 24 ran Mr. Kanaly got six firsts and six seconds. He was always severely handicapped and ran all from the scratch mark. The order of his performances were as follows: July 1, in the Port Vale games at Burslem, England, he won the half-mile in 2.01, but was unplaced in the furlong. On the 13th and 15th in games held in Cardiff, Wales, he did not place in the heats in either the half-mile or the furlong. In the Scotch Highland games at Aberfoyle he won the 600-yard race, but did not place in the half-mile race. On the 22d in the games at Kelso he won the half-mile and got second in the mile and two-mile races. On the 24th, at Farfar he ran two races from scratch, but did not place. At Llickebie in the half-mile he was unplaced, but won a second in the mile. On the 7th of August at Keswick he got a second in his heat of the half-mile, but was unplaced in the finals as also the mile.

On the 25th he defeated T. C. Davis for the half-mile world's championship in the fast time of 1.56 on a short track of grass. On the 28th he was ten yards behind the winner of a half-mile race who ran from the 85-yard line in 1.53 3-5. On September 1 he led H. A. Wilson by over 100 yards in a mile race to determine the World's Championship. The time was 4.21. On September 2, at Blackpool show grounds, he ran from scratch in a mile race, limit handicap was 195 yards and got second. The winner ran from the 90-yard mark and timed 4.18. Kanaly's time was 4.20. His last race was on September 4, at the Stanley Athletic Grounds, when he ran W. T. Clarke of Liverpool in a match race of a mile and a half. Clarke broke down at the 3-4 mark and Kanaly finished in 7.13 4-5.

CALENDAR.

Tuesday, September 26.

7.30—First issue of "THE TECH."
3.00—Cross Country Practice at the Field.

4.00—1915 Football Meeting in Union.
Friday, September 29.

7.30—T. C. A. Reception to Freshmen at the Union.

Saturday, September 30.

6.30—"THE TECH" Dinner to Freshmen.

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 post-office 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... Athletic 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

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 Croke Printing Co.

WELCOME 1915

The student body of Tech greet all new men to the Institute. You have joined a great family which exists in every land and which works every day to help put forward the good name of the Institute. It is your duty to assume your proportionate part of this task and you should make it your life's work to extend the Institute spirit and eliminate the word failure from your vocabulary. The upper classmen and older men are only too willing to help you over any difficulties you may meet, if you will but ask assistance. And here's to 1915. May they be the best ever. EDIT

PROF. LANZA RETIRES.

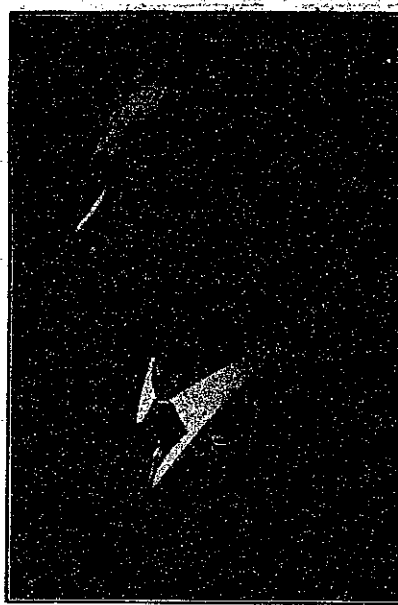
Among the list of changes in the faculty is noted the retirement from active participation in Institute work of Prof. Lanza, head of the Mechanical Engineering Department. Professor Lanza came to the Institute in 1871 as an instructor of mathematics. He rose rapidly in his chosen profession until in 1883 he was placed in charge of the Departments of Mechanical Engineering and Applied Mechanics. He was the great organizer of the Department and superintended its development in accordance with the discoveries and inventions of recent years. At the departure of the class of 1910 he had graduated 1022 students from his department, a very large proportion of whom hold responsible positions in mechanical concerns. Besides these, he came in contact with the men of the other engineering courses through their brief courses in his department.

Prof. Miller, who has been working in the department under Prof. Lanza since 1886, is well qualified to take up and carry on the work which Prof. Lanza has so well begun. He has the well wishes of the entire student body for a long and successful career as an Institute department head.

PROF. LANZA RETIRES

(Continued from page 1)

The Department of Mechanical Engineering also loses Professor Peter Schwamb, who retires from the professorship of machine design. He was graduated from the Institute in 1878, and in the year 1883, became one of our instructors. He rose to the rank of professor of mechanism in 1897, and in 1901 was made the professor of machine design. He has long been the director of the mechanical laboratories of the Institute, and his loss is also one which will be felt greatly by all connected with the Institute.



PROF. EDWARD F. MILLER

We welcome Prof. Miller to the ranks of the department heads, and wish him the best of success. He has one of the best possible examples in Prof. Emeritus Lanza.

MEMBERS OF FACULTY, Etc.

(Continued from page 1)

Promotions—E. L. Connolly, Asst. to Inst.; R. E. Gegenheimer, Asst. to Inst.; W. T. Hall, Inst. to Asst.; Prof. L. Rosenstein, Asst. to Inst.; R. S. Williams, Inst. to Asst. Prof.; G. N. Lewis, Assoc. Prof. to Professor of Chemical Research.

New—Harold Allison, '11, Asst.; E. C. Brent, Asst.; A. L. Chesley, Asst.; B. F. Courtney, Asst.; Charles Cole, Asst.; P. S. Fiske, '09, Inst.; John Gann, Asst.; J. S. Gravely, '11, Asst.; R. T. Haslam, '11, Asst.; R. W. Lucas, Asst.; E. Meuller, Inst.; John F. Morton, Inst.; L. A. Salinger, Asst.; R. Stoddart, Asst.; R. E. Zimmerman, '11, Asst.

Physics.

Lost—R. S. Ayres, Inst.; H. C. Faxon, Inst.; C. M. Swan, Inst.; G. E. Washburn, Inst.

Promoted—V. S. Foster, transferred to Elec. Engin.; W. W. King, Asst. to Inst.

New—E. Benson, Asst.; H. P. Hollnagel, Inst.; H. W. Marvin, Asst.; P. V. Wells, '11, Asst.; H. S. Wilkins, Asst.; G. B. Wilkes, '11, Asst.

Naval Engineering and Marine Architecture.

Lost—W. S. Leland, Asst. Prof.; K. T. Blood, Asst.

Promoted—H. A. Everett, Inst. to Asst. Prof.

Mechanic Arts.

Lost—G. E. Bradley, Asst.

New—H. M. Mosher, Asst.

Military Science.

Lost—Major E. V. Bookmiller.

New—Major E. T. Cole.

Drawing.

Lost—C. H. Sutherland, Asst.

Promoted—W. F. Brown, Inst. to Asst. Prof.

New—G. W. Duncan, Asst.

Languages.

Lost—F. H. Dike, Inst.; A. J. Tietje, Inst.

Assoc. Prof. H. G. Pearson returns from leave of absence.

President's Assistant Maurice R. Scharff has also joined the list of absentees.

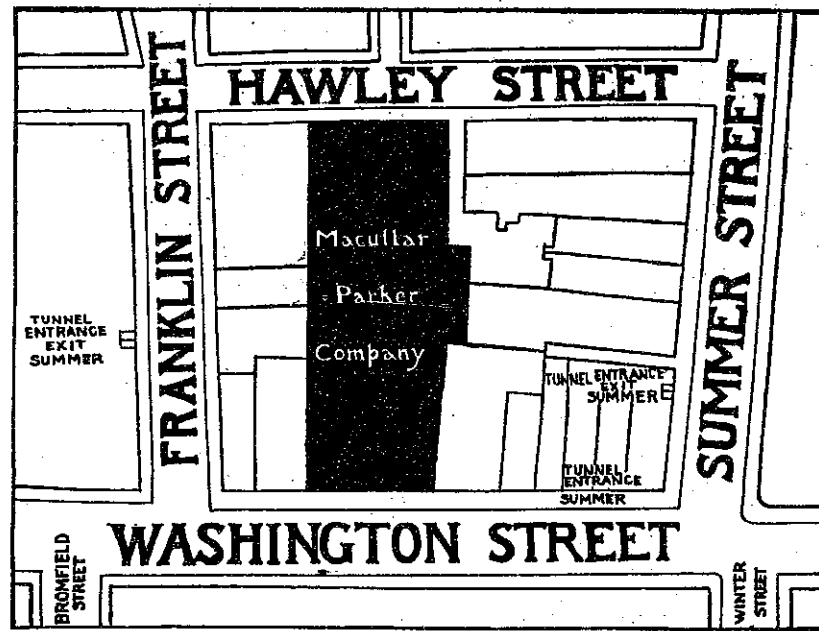


Recognized as one of Boston's best Hotels. Suited to the requirements of tourists—and the best class of Business men and their families.

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 5.00
 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.

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.

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 TRIFLING.

ALL SHIRTS 10c. EACH. IRONED BY HAND TOO.

HINDS HAND LAUNDRY COMPANY
 BRANCH 48 HUNTINGTON AVE., Hotel Oxford Building.

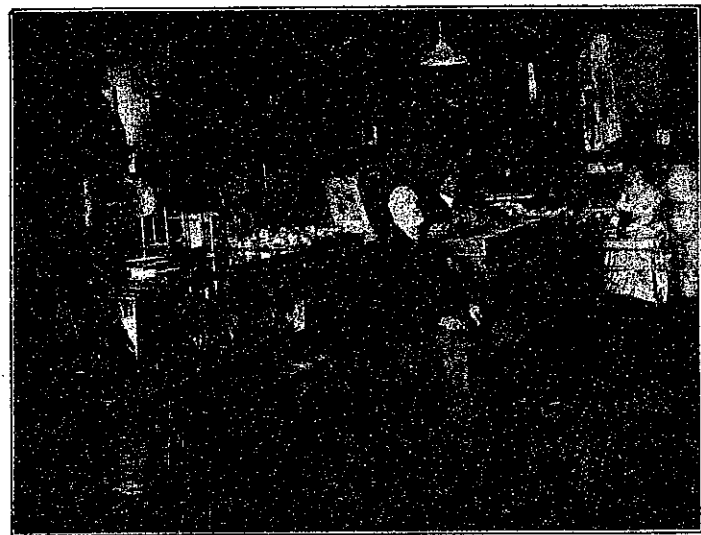
For Tech Men

Large Assortment and Complete Line of College Posters. Tech Souvenirs and Postals.

Pennants, Banners, Seals, and Shields.

Room Decorating at Moderate Prices a Specialty


10 per cent. Discount to Technology Students



B. KABATZNICK's Art & Gift Shop

DESIGNER AND MAKER OF ARTISTIC PICTURE FRAMES

TELEPHONE 484 BOYLSTON STREET
 BACK BAY 4748 OPPOSITE INSTITUTE OF TECHNOLOGY



Fall Opening

COPLEY HABERDASHER

Everything New in Men's Furnishings

THE NEAREST HABERDASHER TO M. I. T.

☞ We carry complete line of up-to-date Derbys and Soft Hats suitable to the young man.

☞ For something nobby in Fall Shirts, see our Earl & Wilson, Bates-Street, and Cluett lines at \$1.50, \$2.00, \$2.50.

☞ Our selection of 50-cent neckwear is irreproachable.

☞ Dress requisites our specialty.

☞ We cater to the Tech man, and are always delighted to show our different lines whether you purchase or not.

COPLEY HABERDASHER

22 Huntington Avenue

ESTABLISHED 1881

BROOKS BROS.

CLOTHIERS

BROADWAY, Cor 22nd St.
NEW YORK

Complete Outfittings for
Fall and Winter Clothing,
Furnishings, Hats, Shoes,
Trunks, Bags and
Dressing Cases

SEND FOR ILLUSTRATED CATALOGUE

Ledder & Probst
387 Washington St., Boston

DRAWING INSTRUMENTS

and Materials

SLIDE RULES REPAIRING

Agents for Eugene Dietzgen Co.

The Place Where the Price is Right

Given Absolutely FREE!

HANDSOME, DURABLE W. W. WINSHIP COWHIDE SUITCASE

to all purchasers to the amount of \$35.00 and upwards, placed with us for the next two weeks.

Large and select assortment of Suitings and Coatings from \$25.00 to \$45.00.

We celebrate in this way the beginning of our fifteenth year in business in Boston.

BURKE & CO., TAILORS

18 School St., BOSTON 843 Washington St., BOSTON Harvard Sq., CAMBRIDGE
HANOVER, N. H. (Dartmouth College) ANDOVER, MASS.

Telephone Back Bay 978

C. W. PHILLIPS

**Baggage and
Freight Express**

204 DARTMOUTH ST.

Agents for National and Wells, Fargo Expresses

COES & STODDER

Desirable Shoes for Students

10 TO 14 SCHOOL ST.

All Brushes, Razors and Towels
Sterilized by Patent Process

Named Cups furnished Free
to Regular Customers

"Tech Barber Shop"

COPLEY SQUARE, 585 BOYLSTON STREET

Under New Management Everything in keeping with the location

Hair Cutting a Specialty

BOOTBLACK

ELEVATOR

Classified Advertisements and Notices

HERRICK, Copley Square,
Choice Seats for all Theatres,
Phone B. B. 2328.
Key Number connecting Five Phones.
(1-1f)

213 BEACON STREET, near Clarendon
Two large rooms with bath occupying
entire floor, open fireplace in each
room. Furnished for Students.

Too bad that Watkins, our popular
Track Captain, is not to be back
here at the "Stute" this year to lead
the track men. He will be greatly
missed, and it will be hard to fill his
place, for there are none too many
men who have the time and the ability
to lead the track squad.

Welcome to our city! You had a
fine vacation, of course we all know
that, but it is time to settle down to
hard work now.

211 NEWBURY STREET, a few large
sunny rooms for Tech Students.
Price from \$3.50 to \$5.00 per week

8 BLACKWOOD STREET, Suite 3.
Two connecting Front Parlors, furnish-
ed in mission, c-hot water, steam heat
Telephone 1242-R-B. B.

41 ST. BOTOLPH STREET, Three or
Four large rooms for one or two stud-
ents.

123 ST. BOTOLPH STREET, connect-
ing parlors and square room on second
floor.

How do you like to begin school on
the first day of the week?

Can you register this time any better
than you could the first time you tried
to do the stunt?

Seems funny not to see "Charlie"
in the cage any more—another of the
old landmarks gone. Everybody, even
to the youngest freshman, who never
heard of him before, is sorry to see
him go.

Another new face in the Mil.
Science Dept. Too bad the Freshies
are such a tough lot, because some of
the Drill masters might have stayed
longer. They all liked the place.

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 PRICES.

210 Clarendon Street,
ALSO
82 and 84 Washington St.
CATALOGUES FREE.

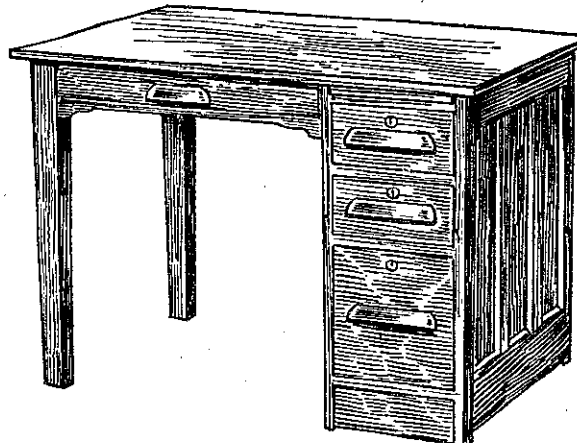
**Wadsworth,
Howland & Co.,**
INCORPORATED.

Harcourt Dining Room
38 ST. BOTOLPH ST.
HOME COOKING
WE MAKE A SPECIALTY OF
CATERING TO STUDENTS

All Goods Required
by Students at

MacLachlan's
502 BOYLSTON STREET
Drawing Instruments and Materials, etc.
Fountain Pens, Text-Books

Headquarters for Students' Furniture



MISSION STUDENTS' DESK \$9.75

Made of solid oak, golden or weathered finish. Three drawers
in pedestal, with bottom drawer partitioned. Sliding tablet and
large centre drawer. Top 42 in. x 27 in. Built for service and
guaranteed in every particular.

Metal Beds, Dressers, Chiffoniers, Rugs, etc.,
especially adapted to students' needs.

A. McARTHUR CO.

111-117 Washington St. (At Adams Square)

L. PINKOS, College Tailor

7 and 9 State St. Harvard Square
BOSTON CAMBRIDGE

Established 17 Years

Pinkos, the well-known College Tailor of Cambridge and
Boston, offers 10 per cent. discount to all "TECH" men on pur-
chases this year.

Prices range from \$35.00 to \$50.00.

L. PINKOS Boston Store, 9 State St.