

# THE TECH

Boston, Massachusetts

September 29, 1894

Volume XIV

Number 1

# PRIEST'S DINING ROOMS,

102 Dartmouth Street, Boston.

21 Meals (full ticket), \$4.00. 14 Meals, Breakfast and Dinner, \$3.00. 7 Meals, Breakfast, \$1.50.  
7 Meals, Lunch, \$1.40. 7 Meals, Dinner, \$1.75.

HOURS FOR MEALS.—Week Days: Breakfast 6 to 10; Lunch, 12 to 2.30; Dinner, 5 to 8. Sundays: Breakfast, 8 to 10.30; Dinner, 12.30 to 3.30; Lunch, 5.30 to 7.30.

C. M. PRIEST, Proprietor.

## THE HOTEL HUNTINGTON,

COPLEY SQUARE AND HUNTINGTON AVENUE.



Offers large and pleasant outside rooms, from \$7.00 per week upward.

Dining rooms conducted on European plan.

An elegant Gentlemen's Café has recently been added

**C. A. JONES & CO.,**  
PROPRIETORS.

## STUDENTS' SUPPLIES.

Blank Books, Note Books, Drawing Papers, Pens, Inks of all kinds, Fountain Pens.

## PERIODICALS AND MAGAZINES.

Writing Paper and Envelopes with TECH Monogram and Imprint Paper by the pound, at

## SOUTHWELL'S,

Corner Dartmouth Street and Columbus Avenue,  
and 443 Boylston Street.

# OAK GROVE CREAMERY CO., DAIRY LUNCH ROOM,

445 BOYLSTON STREET, CORNER BERKELEY.

Where can be had Sandwiches of all kinds, Soups, Tea, Coffee, and regular Dairy Lunch.

Pure Fresh-churned Butter, in Quarter-pound Prints, Five and Ten Pound Boxes,  
Pure, Fresh Milk and Cream, delivered in Glass Jars. Fresh-laid Eggs.  
Pure, Full Cream Cheese, American (plain), Sage, Neuf-chatel and Edam. All kinds of Fruit Ices.

**NELSON L. MARTIN.**

Uniform Caps and Gowns, Bicycle Suits, Custom Suits, to Order.

Orders for Winter Goods left now will be delivered in ten days.

**G. W. SIMMONS & CO.,**

32 to 44 North Street.

Oak Hall, Boston.



## ST. BOTOLPH HALL. NEW TECH. DORMITORY.

Favorably situated at the corner of **St. Botolph** and **Harcourt Streets**, near all the Departments of the Massachusetts Institute of Technology.

**Furnished Suites** To let, including heat and baths.

**Restaurant** in Building.

For terms apply on the premises.

**M. DWYER,**  
Manager.

**GODFREY MORSE,**  
Proprietor.

**Banjo, Mandolin and Guitar.**



THE LANSING BANJO.

**G. L. LANSING,**

Teacher, and Director of Clubs,  
58-A WINTER STREET, BOSTON.

BEST INSTRUMENTS CONSTANTLY IN  
STOCK. MUSIC, STRINGS, ETC.



**J. C. LITTLEFIELD,**  
**Tailor and Outfitter,**  
21, 23 BEACON ST., BOSTON.

Exclusive Styles for Young Men

DRESS SUITS A SPECIALTY.

DISCOUNT TO STUDENTS.

**Drawing Boards, Papers,**

**Inks, Pens, Instruments, and Fountain Pens**

At Discounted Rates.

**A. D. MACLACHLAN,**

Tech Co-operative Store,

214 Clarendon St., - - Boston, Mass.

## BOOK BINDING

IN EVERY STYLE.

**ALEX. MOORE, 3 School Street, BOSTON.**

**C. E. RICHARDSON,**

**AGENT FOR DARTMOUTH LAUNDRY,**

Coolidge & Caswell, Prop'rs, 141 Dartmouth St., Boston.

Orders by mail receive prompt attention.

Goods called for and delivered without extra charge.

**WALTER C. BROOKS & CO.,**

**TAILORS**

—TO—

**M. I. T. CO-OPERATIVE SOCIETY.**

15 MILK STREET, BOSTON, MASS.

BIRTHPLACE OF FRANKLIN.

## DAME, STODDARD & KENDALL,

FOOTBALLS, FOOTBALL SHOES, FOOTBALL JACKETS, FOOTBALL PANTS,  
FOOTBALL JERSEYS, FOOTBALL SHIN GUARDS, FOOTBALL NOSE GUARDS, FOOTBALL STOCKINGS.  
EVERYTHING FOR FOOTBALL.

Special prices to Students trying for the team.

NO. 374 WASHINGTON AND NO. 2 FRANKLIN STREETS.

## STANDARD CLOTHING CO.,

MANUFACTURING RETAILERS OF

# HIGH GRADE CLOTHING

From both Foreign and Domestic Fabrics.

ALSO ADVANCE STYLES IN TROUSERS, SUITS, AND OVERCOATS.

Full Dress Suits Constantly on Hand.

395 WASHINGTON ST., - - BOSTON, MASS.

DR. E. L. JORDAN,  
**DENTIST,**

10-A PARK SQUARE . . . . . BOSTON.

Opposite Province Depot.

**Gentlemen!** I wish to call your attention to the fact that I am **paying the highest Cash Prices for Cast-off Clothing.** Also **Cleaning and Repairing** done at short notice. Send postal to . . . . .

**M. KEEZER,**  
171 Lamartine Street, Jamaica Plain, Boston.  
I can be found outside the Technology Buildings on Boylston St. daily

## THE Union Gymnasium.

48 BOYLSTON STREET,  
(Near Tremont St.)

SPACIOUS. PRACTICAL. POPULAR.

Complete Modern Apparatus.

Marble and Concrete Bath Rooms, with  
Shower, Sponge, Needle, Douche,  
and other baths.

Dressing Rooms. Extra Large Lockers.

POPULAR CLASSES.

Competent Instructors in attendance Day and Evening.  
No Extra Charge for instruction.

Terms: \$5 and \$8 per year, according to  
hours of Exercise.

**BOSTON YOUNG MEN'S CHRISTIAN UNION.**

WM. H. BALDWIN, Pres.

GEORGE PEIRCE, Sec'y.

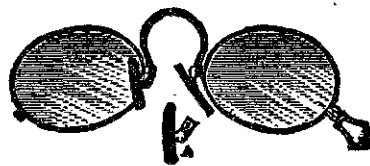


C.W. HURL, JR.  
409 WASHINGTON ST.  
BOSTON.

CHAS. W. HURL, Jr.,

Practical Optician,

BOSTON, . . MASS.



Oculists' Prescriptions cor-  
rectly filled.

Glasses carefully Fitted and Adjusted.

Chatelaine Cases,

Opera Glasses, Thermometers.

All kinds of Spectacle Repairing neatly done.

Opposite Macular, Parker & Co.

Ten per cent discount to M. I. T. Students.

### VOICE TRAINING AND ELOCUTION.

\$1.00 PER LESSON TO M. I. T. STUDENTS.

Stammering and other defects of speech treated.

FOBES' HANDBOOKS, "DECLAMATIONS" Parts I. and II., "RECITATIONS" and "READINGS" are 50 cts. each.  
REFERENCES: Moses Merrill, Head Master Boston Public Latin School; Frank Vogel, Assist. Professor Modern Languages, M. I. T.

WALTER K. FOBES,

Room 37, Pierce Building, Copley Sq., Boston.

# L. P. HOLLANDER & CO.,

## FINE READY-MADE CLOTHING

Everything shown in our stock is exclusively of our own make, cut from patterns corrected to the latest fashions, and made from the best of materials. We respectfully solicit a comparison of prices and an examination of our styles, also

FURNISHING GOODS AND HATS.  
202 to 212 Boylston Street.

Frank Wood,  
Printer,  
352 Washington Street, Boston.

## LEVENGSTON'S CUSTOM CLOTHING HOUSE.

At 267 Washington Street, opp. Water Street, one flight up, is the great establishment of J. LEVENGSTON, who commenced business there 12 years ago as a dealer in Custom-made Merchant Tailor's Clothing—that is, in Suits, Fall and Winter Overcoats, Pants and Full Dress Suits &c., &c., and left on hand of fashionable tailors, owing to peculiar whims or other reasons of customers for whom they were made. It was his first and most rigid rule to represent each article exactly as it was, and by persistent following up this rule has built up a large and prosperous trade.

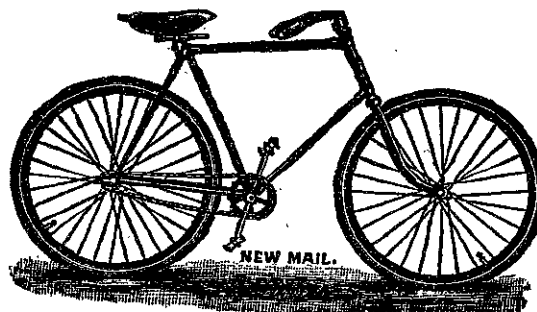
As he buys his goods from **ONLY FIRST-CLASS TAILORS** of most every city in the Union, he is enabled to select the most choice goods obtainable, and does sell the same at about **HALF** of the original price made for.

Give him a call, convince yourself, and you can make no mistake.

**FULL DRESS SUITS TO LET.**

## NEW ♦ MAIL

HANDSOMEST AND FINEST HIGH-GRADE MADE!  
11 YEARS' REPUTATION.



MEN'S AND LADIES' pattern . . . . .	\$115
YOUTH'S NEW MAIL, a high grade Boys' Wheel . . . . .	\$50
Also <b>TEMPLAR</b> , best medium grade Man's Wheel . . . . .	\$75
<b>ATALANTA</b> , Ladies' Pattern . . . . .	\$75
Other makes, Boys' Wheels . . . . .	\$15 up

A few Shopworn and Secondhand Wheels taken in trade at very low prices, bargains, \$25, \$35, etc.

Catalogue and Secondhand list mailed for two 2-cent stamps.

**.. WILLIAM READ & SONS ..**

107 WASHINGTON STREET, BOSTON

---

# COLLINS & FAIRBANKS ▲ CELEBRATED ▲ HATS! ▲



STYLES SPECIALLY ADAPTED TO YOUNG MEN

Mackintoshes, Umbrellas, Canes and Gloves. Sole Agents for Henry  
Heath's and A. J. White's London Hats.

NO. 381 WASHINGTON STREET, BOSTON.

---

Student

Work



A

Specialty

MESSENGER & JONES,

HIGH-CLASS TAILORS

No. 388 Washington Street, Boston.

# THE TECH

VOL. XIV.

BOSTON, SEPTEMBER 29, 1894.

NO. 1.

## THE TECH.

Published every Thursday, during the college year, by students of the Massachusetts Institute of Technology.

ANDREW DANIEL FULLER, '95, *Editor in Chief.*

CHARLES GILMAN HYDE, '96, *Assistant Editor in Chief.*

JOHN HOWLAND GARDINER, '95.

WILLIAM E. DAVIS, JR., '95.

EDWARD ARTHUR BALDWIN, '96.

BENJAMIN HURD, JR., '96.

REGINALD NORRIS, '96.

SHELDON LEAVITT HOWARD, '97.

EDWARD ARTHUR BALDWIN, '96, *Secretary.*

H. P. CODDINGTON, '95, *Acting Business Manager.*

Subscription, \$2.50 per year, in advance. Single copies, 10 cts. each.

*For the benefit of students THE TECH will be pleased to answer all questions and obtain all possible information pertaining to any department of the College.*

*Contributions are requested from all undergraduates, alumni, and officers of instruction. No anonymous manuscript can be accepted.*

Entered in Post Office, Boston, Mass., as Second Class Matter.



WITH considerable satisfaction and no small degree of anticipation THE TECH Board have reassumed the duties which were set aside at the beginning of the Annals. A long vacation must have done much to dispel the ill effects

of previous confinement, and we trust that each man has returned with a hearty purpose to carry on energetically and honestly all course and class work, and to push ahead to the full extent of his ability the various interests of Technology. An enthusiastic spirit in the year's work will add to the reputation which each successive season has enlarged and elevated; the same spirit in the athletic and liter-

ary enterprises will bring about a similar result in these directions. All will add to the prestige of the name which every upper classman has learned to honor, and even the Freshman, at an early date, must reverence.

The principle which has governed THE TECH in other years will continue to guide it in the future,—a thorough desire to see Technology advanced along every line, aided by student enterprise and co-operation. So THE TECH greets with pleasure the old members of Technology, and welcomes with especial pride the large numbers of the youngest class, hoping that all will find the coming year successful and enjoyable.

THE death of Mr. Arthur Rotch, for so long a time a leading member of the Corporative Board of the Institute, takes away from that body one more of the staunch and ready supporters of Technology. Coming as it has in the prime of life, his death is deeply regretted by his friends. Mr. Rotch has long been known as one of the leading architects of Boston, and during a lifetime spent in that career he had collected a valuable private library relating to art and architecture. With a genuine interest in the work of the Institute and especially that of Course IV., he has been of the greatest service on the several committees of the Corporation, especially on that connected with the undertakings of the Architectural Department.

In his death he has proved his generous regard by a number of gifts, which, coming to us as they do at this time, cannot be too greatly appreciated. Together with a private library of books, drawings, photographs, and engravings, some of which have become extremely valuable, he has given five thousand dollars

to establish a fund, the income of which shall be devoted to the needs of the Course IV. library; five thousand dollars, the income of which shall be given to that student who shall have graduated highest in this course; also five thousand dollars to help as a fund whose income shall assist that student who, at the end of a two years' special course, shall have achieved the best success. Moreover, a generous gift of twenty-five thousand dollars has been made by Mr. Rotch to be devoted to the general work of the Department.

With these bequests the Architectural Course will be enabled to make necessary enlargements in equipment, and will in consequence become even more thorough and more complete in its training.

**CAPTAIN JOHN BIGELOW, JR.**, Tenth Cavalry, U. S. A., who was detailed a short time ago by the Secretary of War to succeed Lieutenant Hawthorne as Professor of Military Science and Tactics, has assumed his position here.

Captain Bigelow is a graduate of the West Point Military Academy, class of '77, and comes to us from Fort Assiniboin, Montana. **THE TECH** extends a cordial welcome to him, and wishes him success in his new duties.

**STUDENTS** in the Engineering Courses will be pleased to hear that work has now been begun on a new boiler house, to be used in connection with the engineering laboratory. The Institute has long felt the need of an immediate source of supply for the steam engines in the laboratory, as the long system of piping from Rogers has always been somewhat troublesome. The steam from this more direct source will be much better suited for the purposes of experiment. Excavation for the foundation has already been begun on land adjoining the Engineering Building, and it is hoped to have the boilers in place by the beginning of the second term.

**WHILE** it is difficult to forecast the outlook in Football at such an early date, it is probable that from the large incoming class, enough material may be had to develop a successful eleven. For the past two weeks the Clover Field has been in use by various aspirants to football honors; and although there has been shown an unfortunate dearth of men in certain positions, it is hoped that next week will bring a large number to make the training enthusiastic, and bring about a close competition.

An energetic management, together with perfectly fair and non-partisan spirit in the choice of men, will do much toward securing the interest which has been lagging during the past year, both in the football players and in Technology as a whole. The season's success most certainly depends upon the spirit of fairness which shall guide the management in their dealings.

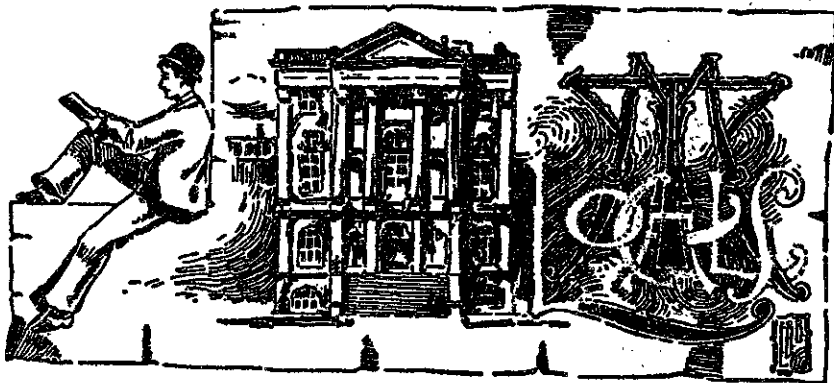
**NINETY-EIGHT** should take advantage of its opportunity and place some of its good men on **THE TECH's** editorial staff. For the information of the Freshmen **THE TECH** would state that positions on the Board are awarded by merit to the best of those who contribute regularly to the columns of the paper. Contributions may be either editorials, locals, verse, or other matter suitable for publication, and must, in all cases, be submitted regularly, written in ink on one side of the sheet. The present Sophomore class showed itself somewhat backward last year in placing men on the Board, and has no adequate representation even now. The two lower classes must surely have an abundance of good writers among them, and to these **THE TECH** looks with anticipation.

**BEFORE** long the question of an athletic field must needs come up before the Corporation. The Irvington Oval, which is now at the disposal of our athletes, will, we under-



stand, be given up, after some months, by the B. A. A. Technology has the use of this field through the courtesy of the B. A. A., and when they remove to their new grounds, it will be difficult for us to secure other practice ground. Although it is true that we still have the Clover Field, yet it has for some time past been understood that this will soon be built upon. Technology cannot afford to turn a deaf ear to the needs of her athletes; and the necessity for an athletic field must soon be faced by the Corporation.

THE ever-increasing number of wheelmen at Technology calls to mind the advantages of having a bicycle club again added to our number of social organizations. A proper and convenient place for leaving one's wheel has long been discussed among our local wheelmen, and if we had a lively club in our midst, we venture to say that the much-needed room would soon be forthcoming. But little energy would be needed to start the club, and THE TECH hopes soon to find one spring up among our enthusiasts.



Jack Pechin returns to Technology this fall.

J. B. Humphreys, '95, will enter Columbia this year.

The Sophomore Class holds its first meeting Saturday, Sept. 29th.

W. E. Barbour, '96, will enter Sheffield Scientific as a Junior this fall.

The 'Varsity Eleven will play Exeter Academy this afternoon.

Mr. Holwill, '95 was a tenor of the Glee Club, and an active member of his class.

A supply room for the use of the Freshmen has been established in Room 43, Rogers.

W. H. King, '94, who has been suffering from an injury to his knee, is now convalescent.

Mr. G. H. Anderson, '94, is with the Pope Manufacturing Co., at Hartford, as testing expert.

Room 44, Rogers, has been fitted up as a lecture room and office for Drs. Dewey and Ripley.

Course XIII. has had two new Amsler Integrators added to its apparatus during the summer.

A new office has been built in Room 41, Engineering Building, for the use of Mr. Stanwood.

F. Waldo Bartlett, Columbia School of Mines, '96, is taking a course in naval architecture here.

The University of Halle has conferred the degree of Doctor of Philosophy upon President Walker.

Professors Wells and Bates, who spent the larger portion of their vacation in Europe, have returned.

The Christian Union meets every Thursday at 1.50 P. M., in room 27, Rogers. All are cordially invited.

The Glee and Banjo Clubs are rapidly perfecting their organization. '98 men are invited to try for them.

O. McD. Cushing, instructor in Freehand Drawing, will not return from Paris until later in the year.

There will be a meeting of the Class of '96 in Room 11, Rogers, on Tuesday, October 2d, at one o'clock.

Technology now has its regular fruit vendors and flower men, who are ready for business in front of Rogers.

The class of '97 has met with a loss in the death of Fred Irving Crane, on July 29, 1894, at Jersey City, N. J.

The equipment of the mining department has been increased by the addition of three new muffle furnaces.

Mr. Oscar W. Pickering, formerly assistant in General Chemistry, is now at a celluloid factory in Newburyport.

The customary display of "Uniforms for Sale" has appeared, and will burden the eye for several months to come.

A. W. Jackson, '96, after spending the past year in practical architectural work in St. Paul, returns as a regular, '97.

The attention of Freshmen is called to the M. I. T. Co-operative Society. Tickets may now be obtained at Maclachlan's.

Arthur J. Farnsworth, '94, is now Chief Engineer and Electrician of the Larchmont Electric Co. of Mamaroneck, N. Y.

A cement testing machine and a six H. P. Otto Gas Engine have been added to the Mechanical Engineering Laboratory.

R. D. Flood, ex-'96, last year Business Manager of THE TECH, is now with F. H. Odiorne & Co., on State Street, Boston.

Mr. Frank W. Lovejoy, '94, is chemist temporarily on a sugar plantation in Louisiana. He expects to return to Boston in February.

Mr. C. E. Fuller, instructor in Mechanical Engineering, and Mr. L. M. Passano, instructor in Mathematics, were married this summer.

Professor Lanza has recently received a new type of Dynamometer, on which practical tests will soon be made in the Engineering Laboratory.

A new option in Methods and Theories of Social Reform will be given to third and fourth year students, provided more than three apply for the course.

Mr. Harry Clifford is delivering the lectures on Heat to the Juniors, in place of Professor Holman, whose ill health forbade his undertaking the work.

Any men who desire to secure advertisements for THE TECH should consult Mr. H. P. Coddington, '95, the Business Manager, regarding space, rates, and commission.

The Freshman class this year will number about three hundred and twenty-five, and the total number of students at the Institute will exceed that of last year by about fifty.

We are glad to note the return of Professor Frank Vogel, one of our most popular instructors in modern languages, who is again with us after a year's absence abroad.

The Gym., thanks to the arduous labors of George, is in perfect condition, there having been added some thirty new double lockers and various other necessary appointments.

All students interested in Geology are requested to attend the next meeting of the Geological Society. Meetings are held every Thursday at 4.15 P. M., Room 14, Rogers.

At the Curtis Davis & Co. the proprietor, Mr. Mellen, the chemist, Mr. Loveland, '88, the superintendent, Mr. Aiken, '91, and the mechanical engineer, Mr. F. A. Cole, '91, are all Technology men.

The architects of the New York Episcopal cathedral, St. John the Divine, are Heins and La Farge, both old Tech. men. The cathedral is to be one of the largest and finest in the country.

The following men are training for the '97 football team: Mansfield, Hayden, Goudey, Waldo, McCormick, Vinton, Washburn, Howland, Underwood, Parker, Humphreys, Winchet, and Page.

The Arkarseum and Harndal Swedish iron ore exhibits, which recently became the property of the Institute, have been attractively arranged in substantial exhibition cases in the basement of Rogers.

The championship Banner, which became the property of the Track Team at Worcester, May 23d, and was displayed in Rogers Corridor last Monday morning, now decorates THE TECH office.

A boiler house is being built in the rear of the Architectural building to supply the steam for that building and the Engineering building. It is hoped that the new boilers will be ready for use early in December.

The number of students in the Analytical Laboratory has increased so largely that it has been found necessary to double the number of desks. As the space was limited, this was done by dividing the present desks into two parts.

A very interesting exhibition by the Boston Asphalt Paving Company was opened Monday, in Room 46, Engineering Building. The whole process in manufacturing and laying asphalt paving is very clearly and interestingly shown.

Mr. Walter E. Hopton, '91, is with Colgate & Co., of Jersey City, reconstructing their plant and installing new machinery designed by Curtis Davis & Co., of Cambridgeport. He is being assisted by Mr. George W. Sherman, '94, Course X.

The work done at the Summer School of Architecture was so excellent that the drawings have been copied, and will be reproduced in the shape of plates. This work is the first of its kind that has been done by the architectural schools, and will give Technology a very good name among practising architects.

Professor Bates spent a large portion of the summer in Europe, where he obtained material for a course of a dozen lectures on the art and literature of the Renaissance, to be given at Technology. Besides his regular lectures in English to the Sophomores, Professor Bates will also deliver a series at the Lowell Institute evening classes.

The front part of Room 2, Walker, has been partitioned off and fitted up as a Physical-chemical Laboratory, which will be under the direction of Mr. H. M. Goodwin. The students in Course VIII., and later, it is hoped, those in Course V., will work there on the investigation of the physical properties of chemical substances.

The last meeting of the Electrical Society was held on the morning of May 11th, in Room 23, Walker Building. The business of the meeting was the election of officers for the coming year. Harry P. Coddington, '95, was chosen President; George W. Hayden, '95, Vice President, and Fred Kleinschmidt, '95, Secretary and Treasurer.

Mr. J. O. De Wolf, '90, assistant to Professor Schwamb, in 1892, has since been with the Boston Woven Hose and Rubber Co., at Cambridgeport. Mr. Austin D. Boss, '90, and Mr. Edward F. Bragg, '90, have been connected with that firm for several years. The latest addition to the Technology colony in that neighborhood is Mr. Raymond B. Price, '94, Chemical Engineer of the Woven Hose Co.

The following changes have been made in the Corps of Instruction: Capt. T. Bigelow, U. S. Cavalry, to be Professor of Military Science and Tactics. Messrs. F. L. Bardwell, A. H. Gill, and A. A. Noyes to be Assistant Professors. Messrs. W. H. Walker, R. S. Shedd, C. E. Fuller, J. F. Johnson, J. P. Lyon, H. R. Moody, C. E. Park, C. M. Faunce, W. T. Brown, to be instructors.

Messrs. G. B. Haven, E. M. Hunt, F. McKibben, W. E. Piper, L. R. Moore, T. G. Richards, to be assistants. M. A. Bridgham to be instructor in woodwork, and E. H. Masters in forging.

The Deutscher Verein held its final meeting for the year 1893-'94 on May 7th, in Room 11, Rogers Building. The yearly reports of

the officers were read and approved. Miss Wood read a letter to the society from Professor Vogel in Germany. The officers for the coming year were chosen as follows: President, G. H. Markes, '95; Vice President, H. S. Baldwin, '96; Secretary, F. Kleinschmidt, '95; Treasurer, M. E. Pierce, '96. Members of the Executive Committee, G. Swope, '95; R. E. Balsenbus, '96; J. F. McElwaine, '97. Members of the Programme Committee: F. E. Matthes, '95; E. A. Baldwin, '96; R. F. Hosford, '97; Miss Bessie Fisher, '95.

We regret to announce the sad news of the death of John Holwill, '95, while bathing near Buffalo, N. Y., with a party of engineers. Mr. Holwill was a native of China, his father being U. S. consul to that country. Upon completing his course he expected to return to his home with the intention of practising his profession there.

### A Summer Girl.

Upon a rock, the sun just down,  
They sat beside the rippling sea;  
Far up the beach the ebbing tide  
Had left them in a reverie.

Her hair like tangled seaweed fell,  
And light blue eyes upturned and shone;  
While whispers oft her lips escaped  
Like murmurs in the early morn.

A quiet, pensive attitude  
Possessed him, sitting by her side;  
And listlessly his vision rove,  
Now on the beach, now on the tide.

The season's end had hastened on,  
And longed he now to leave the shore;  
For summer gone, his love had flown,  
And now he felt he loved no more.

A glance she cast; she caught his eye,  
And read his cold, relentless heart;  
Then cast herself upon the sand,  
And bade the faithless one depart.

Returned he to his school and class  
With joy which but a student can.  
She pined and died? Ah, no! not she!  
She hunted for another man.

E. S. M., '96.



Here's to the success of the 'Varsity Eleven.

There will be two 'Varsity elevens in training this fall. The First Eleven will be made up, with few exceptions, of old material, while the Second Eleven will be made up of substitutes and men trying for positions. Freshmen particularly cannot be too forcibly urged to practice with the 'Varsity squad.

The annual fall business meeting of the M. I. T. A. C. will be held in Room 11, Rogers, on Saturday, October 13th, at noon. At this meeting the captain of the Track Athletic Team and the '98 class representative on the executive committee will be elected.

The first prize which was won at Worcester last May in the Intercollegiate athletic contests, is a handsome white silk banner (24 x 36 inches) trimmed with gilt. It bears the inscription "N. E. I. A. A.—Massachusetts Institute of Technology—Champions—Worcester—1894." Two tablets, giving the names of the winning team and the records made by them, accompany this flag. It will be placed in the Trophy Room.

All assessments of the Athletic Club are due before October 15th.

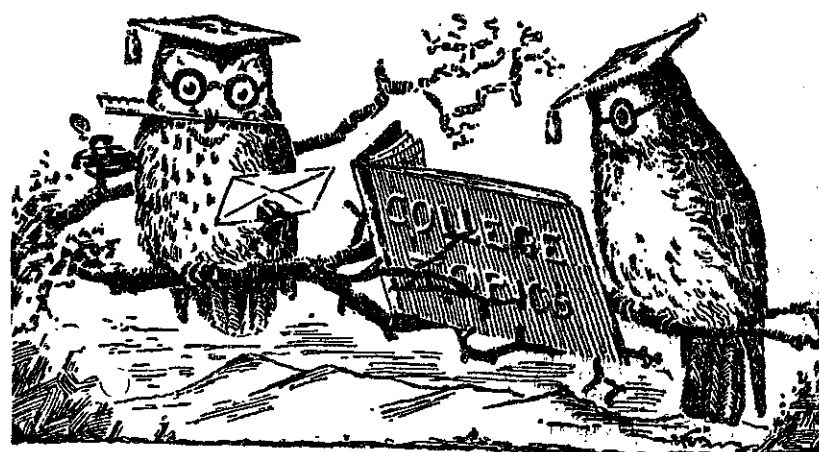
The Executive Committee of the Athletic Club will meet in Room 30, Rogers, Monday, October 1st, at 4.15 P. M.

The solid silver cup which was won at the Intercollegiate games, is the property of the Institute for a year. It will be placed in the Trophy Room.



The annual cross-country run will probably be held this year early in November. In previous years the cold December days have not proved beneficial to best results.

The class championship games held on Holmes Field, May 11th last, were highly successful. Three Institute records were broken, and the others were up to the average standard. The events were the same as those in the Intercollegiate meeting, a few weeks later; thus the men who were entered in several events had an opportunity to test their ability and endurance. The summary of events: 100-yards dash—1, R. W. Carr, '95; 2, B. Hurd, Jr., '96; 3, F. W. Lord, '94:  $10\frac{2}{5}$  sec. Half-mile run—1, J. A. Rockwell, Jr., '96; 2, J. W. Thomas, '95; 3, W. A. Hall, '95: 2 min.  $10\frac{2}{5}$  sec. 120-yard hurdle—1, B. Hurd, Jr., '96; 2, F. W. Lord, '94; 3, E. A. Sumner, '97:  $16\frac{4}{5}$  sec. 440-yard run—1, J. A. Rockwell, Jr., '96; 2, W. Powers, '95; 3, J. W. Thomas, '95:  $54\frac{2}{5}$  sec. One-mile run—1, G. Clapp, '95; 2, W. A. Hall, '95; 3, J. A. Rockwell, Jr., '96: 4 min.  $37\frac{4}{5}$  sec. Two-mile bicycle race—1, W. C. Marmon, '95; 2, J. T. Burns, L. S. of D.; 3, J. Boeseke, '95: 6 min. 5 sec. 220-yard hurdle—1, B. Hurd, Jr., '96; 2, E. L. Andrews, '94; 3, E. A. Sumner, '97:  $26\frac{3}{5}$  sec. One-mile walk—1, H. J. Sheafe, '95; 2, W. Page, '97; 3, E. A. Boeseke, '95: 9 min. 8 sec. Two-mile run—1, G. Clapp, '95; 2, W. B. Taylor, '95; 3, H. Cummings, Jr., '96: 11 min.  $28\frac{1}{5}$  sec. 220-yard dash—1, R. W. Carr, '95; 2, F. W. Lord, '94; 3, R. E. Bakenhus, '96: 23 sec. Putting 16-lb. shot—1, L. Burnett, '96; 2, A. C. Lootz, '96; 3, R. S. Whiting, '96: 34 ft. 1 in. Pole vault—1, A. V. Shaw, '95; 2, E. R. Vedder, '97; 3, E. A. Sumner, '97: 9 ft.  $3\frac{1}{2}$  in. Running high jump—1, A. Sperry, '94, and R. D. Farquhar, '95, tied; 3, E. A. Sumner, '97: 5 ft.  $5\frac{3}{4}$  in. Throwing 16-lb. hammer—1, L. Burnett, '96; 2, C. H. Parker, '95; 3, A. C. Lootz, '96: 95 ft. 6 in. Running broad jump—1, L. Burnett, '96; 2, R. D. Farquhar, '95; 3, R. W. Carr, '95: 20 ft.  $6\frac{1}{2}$  in.



Among those who received honors at Harvard last May, eleven were prominent athletes.

Sixty-two per cent of the college men of this country belong to Greek-letter fraternities.

There are some Chinese women studying at the University of Michigan.

Miss Agnes Irwin has been appointed Dean of Radcliffe College. She was formerly principal of the Young Ladies' School of Philadelphia.

The Trustees of Oberlin College have voted to raise \$1,000,000 before 1900, to be devoted to the erection of a New Science Hall, a Gymnasium, and a Chemical Laboratory; and also to increase the endowment.

The University of Missouri has received from the State legislature since February, 1891, by direct appropriation and interest on its endowments, \$1,525,000.

Adelbert is soon going to build a \$50,000 physical laboratory.

Colgate has been without a president for nearly three years.

The Harvard baseball team will be coached this winter by John Clarkson.

George Dearborn, '93, is playing football with the B. A. A. team this year.

Brown University celebrated its hundredth anniversary last June.

The University of Michigan graduated seven hundred and thirty students this year.

This is the largest number ever graduated in one year by an American University.

Medals are now given in place of prizes in the Field Day events at Oberlin.

The art school at Oberlin comes forth with an original yell:—

Daub, daub, daub, do, do, do!

Michael Angelo daubed; we daub, too!

Lehigh is preparing a book entitled, "Lehigh Verse." It is being compiled from Lehigh's publications, *The Epitome* and *The Burr*.

*The Dartmouth Literary Monthly* issues six hundred copies every month. This fact is of particular interest to other colleges when it is remembered that the total number of students is only four hundred.

Wellesley College begins its twentieth year with an enrollment of 780, of whom 250 are freshmen. The coming year will be marked by greater liberality. Voluntary chapel has virtually been established, and many of the old rules have been abolished. A few changes have been made in the corps of instructors, and the visiting committee has been enlarged to eighty from twenty, as heretofore.

There will be no Yale-University of Penn. game this year.

Hefflefinger and Graves, of Yale, are coaching the Lehigh football team.

Dr. W. A. Brooks has been elected to take charge of the football management at Harvard.

Wrenn, the American tennis champion, is a candidate for quarter-back on the Harvard eleven.

All except three of Princeton's eleven will return to college this fall.

The members of the Faculty of Chicago University have dropped the name of "Prof." and are now addressed simply as "Mr."

Chase, '96, has been elected captain of the Dartmouth athletic team for next year.



THE LOUNGER's summer is over. Old Rogers steps have been washed, the Bird Cage has been dusted, and all is ready for a new year. To the returning throng the Lounger extends his jovial greeting; for the absent ones he sheds a silent tear, and indulges in quiet thought over the vicissitudes which bring him every year, with such distressing regularity, to the dusty corners of THE TECH office, despite his manful efforts to quit these halls of learning, and be a "grad." To the Freshmen he extends a particularly sympathetic hand, for only he can guide and instruct them in the way they should go. Each year the trembling Freshie meets the same hard experiences which proved him to be the same verdant youth as his illustrious predecessors. Disdainful glances now and hard whacks later on, from his hereditary enemy, the Soph., cold looks from the noble Junior, glances of fatherly pity from the Senior, other trials and vicissitudes will he endure with accustomed meekness. Again will he fall into the Sophomore's wily snares; again will his innocent questionings provoke the audible smiles of hearers. Such is life for the happy, childlike Freshman.

Once more let the Lounger remind him of his salvation: let him subscribe to THE TECH, follow the Lounger's precepts, heed his warnings, and all will yet be well.

Each year doth the Lounger deliver his little homily, and introduce himself to the Freshmen as their true adviser and comforting friend. Let him therefore explain that he is now but the sad relic of a former self, who started in to become a Tech Senior, and astonish the world. The world has not yet received the astonishing shock which would follow the news of his graduation; for having endeared himself to instructor and Faculty, individually and collectively, he has been persuaded to remain from year to year,

till now it is with but doubtful anticipation that he hopes to unearth a diploma from beneath his heap of Faculty notices and double F's. But through his long and varied experience during his sojourn here, he has become the tutelary saint, so to speak, of the Institute (though denied this title in the catalogue), and he now stands ready to aid, cheer, and mayhap reprove, the busy denizens of the Institute world, and encourage them to be the worthy sons (and daughters) of their beloved Technology.

The belligerent instincts which still cherish the stirring scenes of mimic war are this year to be fostered by a new "professor," who, the Lounger has heard, is a fierce and warlike man, fresh from Fort Assiniboin, with no end of a reputation, and an honorable record. Perchance the pursuits of war, while supposedly hardening the feelings to a certain extent, render the pursuers somewhat jealous of their vanity, and intolerant of good-natured jest. Howbeit, the Lounger anticipates no such disposition in the coming Cap'n, and only trusts that the interesting theoretical instruction to the Freshmen will not savor too strongly of a recondite and archaic character.

While the Lounger's friends, the conditioned men, were struggling with their Thermo and Applied, and what-not, early in September, interesting events were taking place not a thousand miles from Delaware. One of the younger of our learned corps of instructors was having romantic adventures, which provoked startling headlines in the papers, and culminated in a secret marriage and a hasty flight from parental wrath. The Lounger rejoices to know that all these interesting events were finally brought to a satisfactory termination, and that the young couple arrived safely to take up their residence in Boston. Now that the protestations of the young man's landlady have proved false, the Lounger begs leave to make his politest bow, and wish long life and happiness to the young groom and his charming bride.

Verily, time and patience work wonders. It is now the English department that excites the Lounger's interest by the noteworthy display made by one of its prominent members. How much of the four months' vacation, or how many visits to the Seven Sutherland Sisters, were necessary for the grand consummation, the Lounger is at a loss to know; but at any rate they are a well-developed pair, and together with their

owner's somewhat marked idiosyncrasies of diction, will serve to mark him more than ever in the eyes of his fellow-men.

The Lounger is glad to welcome certain Ninety-four friends of his to posts of high responsibility and moderate salary in the Institute corps of supervisors. These bright lights, having either dazzled the Faculty's eye or pulled its leg, the Lounger does not venture to assert which, are now prepared to awe the Freshman, be familiarly called "governor" by all others, and to get generally in the way of all good and law-abiding citizens. Some of them may haply leave us after a year's taste of the delights of pedagogy; while others, through inscrutable and extraordinary attainments visible to the Faculty, may be persuaded to stay, ultimately to accept a professorship, and flunk half a class at a time. At all events these youthful instructors have now the Lounger's deep sympathy and best wishes, and may solace themselves with the reflection that he would not change places with them for a big red apple.

It was with a shade of weariness that the Lounger observed certain of the scenes in Rogers Corridor on the opening day of the term. There was, of course, the usual bustling crowd surging restlessly in and out of the office, the usual well-ordered confusion within it, with the urbane secretary staving off importunate questioners as a central figure, the nervous student renting a box, and the anxious Freshie, who insisted upon depositing his bond with the Bird, and all the other devilment of an opening day. Of course, the jaunty Soph. put on his most at-home air, and eyed with curiosity the numerous and palpably evident Freshmen. These latter children whiled away the lagging hour in their usual kittenish antics, shamelessly betraying their youthful innocence by the eager interest with which they played at ball with crumpled-up circulars and notices. Their characteristic delight in these unworthy occupations provoked a weary smile on the Lounger's face; but he would remind them that they are really old enough to know better. Marbles and mumble-the-peg are the only games now permitted in the corridor, baseball, lacrosse, and other popular sports having been relegated to the Freshman Drawing Room.

Now is the time to subscribe. Get your coupon books while you can save money.

This is the largest number ever graduated in one year by an American University.

Medals are now given in place of prizes in the Field Day events at Oberlin.

The art school at Oberlin comes forth with an original yell:—

Daub, daub, daub, do, do, do!

Michael Angelo daubed; we daub, too!

Lehigh is preparing a book entitled, "Lehigh Verse." It is being compiled from Lehigh's publications, *The Epitome* and *The Burr*.

*The Dartmouth Literary Monthly* issues six hundred copies every month. This fact is of particular interest to other colleges when it is remembered that the total number of students is only four hundred.

Wellesley College begins its twentieth year with an enrollment of 780, of whom 250 are freshmen. The coming year will be marked by greater liberality. Voluntary chapel has virtually been established, and many of the old rules have been abolished. A few changes have been made in the corps of instructors, and the visiting committee has been enlarged to eighty from twenty, as heretofore.

There will be no Yale-University of Penn. game this year.

Hefflefinger and Graves, of Yale, are coaching the Lehigh football team.

Dr. W. A. Brooks has been elected to take charge of the football management at Harvard.

Wrenn, the American tennis champion, is a candidate for quarter-back on the Harvard eleven.

All except three of Princeton's eleven will return to college this fall.

The members of the Faculty of Chicago University have dropped the name of "Prof." and are now addressed simply as "Mr."

Chase, '96, has been elected captain of the Dartmouth athletic team for next year.



THE Lounger's summer is over. Old Rogers steps have been washed, the Bird Cage has been dusted, and all is ready for a new year. To the returning throng the Lounger extends his jovial greeting; for the absent ones he sheds a silent tear, and indulges in quiet thought over the vicissitudes which bring him every year, with such distressing regularity, to the dusty corners of THE TECH office, despite his manful efforts to quit these halls of learning, and be a "grad." To the Freshmen he extends a particularly sympathetic hand, for only he can guide and instruct them in the way they should go. Each year the trembling Freshie meets the same hard experiences which proved him to be the same verdant youth as his illustrious predecessors. Disdainful glances now and hard whacks later on, from his hereditary enemy, the Soph., cold looks from the noble Junior, glances of fatherly pity from the Senior, other trials and vicissitudes will he endure with accustomed meekness. Again will he fall into the Sophomore's wily snares; again will his innocent questionings provoke the audible smiles of hearers. Such is life for the happy, childlike Freshman.

Once more let the Lounger remind him of his salvation: let him subscribe to THE TECH, follow the Lounger's precepts, heed his warnings, and all will yet be well.

Each year doth the Lounger deliver his little homily, and introduce himself to the Freshmen as their true adviser and comforting friend. Let him therefore explain that he is now but the sad relic of a former self, who started in to become a Tech Senior, and astonish the world. The world has not yet received the astonishing shock which would follow the news of his graduation; for having endeared himself to instructor and Faculty, individually and collectively, he has been persuaded to remain from year to year,



till now it is with but doubtful anticipation that he hopes to unearth a diploma from beneath his heap of Faculty notices and double F's. But through his long and varied experience during his sojourn here, he has become the tutelary saint, so to speak, of the Institute (though denied this title in the catalogue), and he now stands ready to aid, cheer, and mayhap reprove, the busy denizens of the Institute world, and encourage them to be the worthy sons (and daughters) of their beloved Technology.

The belligerent instincts which still cherish the stirring scenes of mimic war are this year to be fostered by a new "professor," who, the Lounger has heard, is a fierce and warlike man, fresh from Fort Assiniboin, with no end of a reputation, and an honorable record. Perchance the pursuits of war, while supposedly hardening the feelings to a certain extent, render the pursuers somewhat jealous of their vanity, and intolerant of good-natured jest. Howbeit, the Lounger anticipates no such disposition in the coming Cap'n, and only trusts that the interesting theoretical instruction to the Freshmen will not savor too strongly of a recondite and archaic character.

While the Lounger's friends, the conditioned men, were struggling with their Thermo and Applied, and what-not, early in September, interesting events were taking place not a thousand miles from Delaware. One of the younger of our learned corps of instructors was having romantic adventures, which provoked startling headlines in the papers, and culminated in a secret marriage and a hasty flight from parental wrath. The Lounger rejoices to know that all these interesting events were finally brought to a satisfactory termination, and that the young couple arrived safely to take up their residence in Boston. Now that the protestations of the young man's landlady have proved false, the Lounger begs leave to make his politest bow, and wish long life and happiness to the young groom and his charming bride.

Verily, time and patience work wonders. It is now the English department that excites the Lounger's interest by the noteworthy display made by one of its prominent members. How much of the four months' vacation, or how many visits to the Seven Sutherland Sisters, were necessary for the grand consummation, the Lounger is at a loss to know; but at any rate they are a well-developed pair, and together with their

owner's somewhat marked idiosyncrasies of diction, will serve to mark him more than ever in the eyes of his fellow-men.

The Lounger is glad to welcome certain Ninety-four friends of his to posts of high responsibility and moderate salary in the Institute corps of supervisors. These bright lights, having either dazzled the Faculty's eye or pulled its leg, the Lounger does not venture to assert which, are now prepared to awe the Freshman, be familiarly called "governor" by all others, and to get generally in the way of all good and law-abiding citizens. Some of them may haply leave us after a year's taste of the delights of pedagogy; while others, through inscrutable and extraordinary attainments visible to the Faculty, may be persuaded to stay, ultimately to accept a professorship, and flunk half a class at a time. At all events these youthful instructors have now the Lounger's deep sympathy and best wishes, and may solace themselves with the reflection that he would not change places with them for a big red apple.

It was with a shade of weariness that the Lounger observed certain of the scenes in Rogers Corridor on the opening day of the term. There was, of course, the usual bustling crowd surging restlessly in and out of the office, the usual well-ordered confusion within it, with the urbane secretary staving off importunate questioners as a central figure, the nervous student renting a box, and the anxious Freshie, who insisted upon depositing his bond with the Bird, and all the other devilment of an opening day. Of course, the jaunty Soph. put on his most at-home air, and eyed with curiosity the numerous and palpably evident Freshmen. These latter children whiled away the lagging hour in their usual kittenish antics, shamelessly betraying their youthful innocence by the eager interest with which they played at ball with crumpled-up circulars and notices. Their characteristic delight in these unworthy occupations provoked a weary smile on the Lounger's face; but he would remind them that they are really old enough to know better. Marbles and mumble-the-peg are the only games now permitted in the corridor, baseball, lacrosse, and other popular sports having been relegated to the Freshman Drawing Room.

Now is the time to subscribe. Get your coupon books while you can save money.



Lives of poets oft remind us,  
If we use the proper means,—  
Discard meter, rhyme, and reason,—  
We can shine in magazines.

—*Ex.*

The conscientious Freshmen work  
To get their lessons tough;  
The Juniors flunk, the Sophomores shirk,  
The Seniors—ah! they bluff.

—*College Folio.*

#### FALLEN STARS.

I saw one night a star slip down to earth,  
From out the vault of heaven's depths of blue,  
And grieved, till, at the morning's happy birth,  
Its ghost laughed at me from a drop of dew.

—*Yale Lit.*

My love is like a lily,  
So beautiful, so fair;  
She bears herself so daintily,  
With such a queenly air.

But I am a poor man;  
To love her is a sin.  
Alas! the lily toils not,  
And neither does she spin.

—*Oberlin Review*

#### THE SUMMER GIRL.

A half-reclining form  
In a "sleepy-hollow" chair;  
A cloud of curls that storm  
About her beauty fair;  
Two laughing eyes that tell  
A shyly answered "Yes;"  
A dainty hand to—well,  
Say simply to caress.

An airy little sprite  
In a billowy flood of lace,  
Which flutters in its flight  
In the galop's tripping grace.  
And O the broken hearts  
Which follow the rapturous whirl!  
O the Redfern gown, and the arts  
Of the annual summer girl!

—*The Dartmouth Lit.*

#### FOOTBALL.

A man and a Vassar maiden,  
With wind and wave atune,  
Talked low of love and football  
'Neath a mellow Newport moon.

The Vassar maid had hinted  
That Vassar girls might play  
At Rugby, 'gainst his college,  
And beat them, too, some day.

"If you should play," he whispered,  
"Your college against mine,  
I'd like to play left tackle  
On the opposing line."

Then drooped her head, the maiden,  
With blushes red as flame,  
And said, "Since this may be so,  
Let's have a practice game."

—*The Inlander.*

#### YE GOLDE-HEADED CANE.

It stands in the corner yet, stately and tall,  
With a top that once shone like the sun;  
It whispers of muster field, play house, and ball,  
Of gallantries, courtship, and fun.  
It is hardly the stick for a dude of to-day,  
He would swear it was "deucedly plain";  
But the dust of proud memories crowns its decay,—  
My grandfather's gold-headed cane.

It could tell how a face in a circling calash  
Grew red as the poppies she wore,  
When a dandy stepped up with a swagger and dash  
And escorted her home to the door.  
How the beaux cried in jealousy, "Jove! what a buck!"  
As they glared at the fortunate swain,  
And the wand which appeared to have fetched him his  
luck,—  
My grandfather's gold-headed cane.

It could tell of the rides in the grand yellow gig,  
When, from under a broad scuttle hat,  
The eyes of fair Polly were lustrous and big,  
And—but no! would it dare tell of *that*?  
Ah me! by those wiles that bespoke the coquette  
How many a suitor was slain!  
There was one though who conquered the foe when they  
met  
With the gleam of his gold-headed cane.

Oh the odors of lavender, lilac, and musk!  
They scent these old halls even yet;  
I can still see the dancers, as down through the dusk  
They glide in the gay minuet.  
The small satin slippers, my grandmamma's pride,  
Long, long in the chest have they lain;  
Let us shake out the camphor and place them beside  
My grandfather's gold-headed cane.

—*Wesleyan Lit.*

# NOYES BROTHERS

## SHIRTS



Tennis and Yachting Suits, Blazers,  
Shirts, Trousers, Caps, and Belts,

In stock or made to order from

Flannels, Oxfords, Cheviots, Madras,  
and Pure Silk Shirtings.

**OUR STANDARD \$1.50 SHIRT** we believe to be the best  
value possible for the price.

**BUSINESS AND DRESS SHIRTS**, \$2.00, \$2.50, \$3.00,  
\$3.50, and Upward. All made in our own workrooms.

**OUR NEW SHIRTINGS** now ready. French Madras, English  
Oxfords, and Scotch Cheviots. For Men's Negligee and Outing Shirts;  
for Ladies' and Children's Waists and Blouses, or sold by the yard.

**FOR LADIES** we make to order and guarantee perfect satisfaction  
in the style and fit of Ladies' Blouse Waists, Negligee and Tennis Shirts.  
Price, \$3.75 to \$16.50, according to quality of Shirtings selected.

**BLANKET WRAPS** for Lounging, for the Nursery, for the Sick Room, for the Bath,  
for Steamer Traveling, for the Railway Carriage, for Yachting. For Men, Women,  
Children, and the Baby, \$2.75 to \$35.00, with Hood and Girdle complete.

**PAJAMAS**, or East India Sleeping Shirts, and Long Night Shirts, made from English  
Flannels, Cotton, and Silk, for Steamer, Sleeping Car, Yachting, or Hunting.

**THE NEW CLUB CRAVAT** and **THE PRINCE'S CRAVAT** for Gentlemen, new.

**GLOVES**, the New Gold Tan, the Famous London Tan at \$1.35, Fowne's New Caven-  
dish Tan, Fowne's Red Tan.

**NOYES BROTHERS, Washington and Summer Sts., Boston, U. S. A.**

L. E. FLETCHER & CO.,

**HATTERS AND MEN'S OUTFITTERS.**

### HATS

In LEADING and CORRECT STYLES for YOUNG MEN.

Novelties in Neckwear,

Gloves, Hosiery, and Underwear,

Canes, Umbrellas, Etc.

158 BOYLSTON STREET,

Opp. COMMON.

**BOSTON.**

### OUR NEW STORE

For the accommodation of the TECH students is now open  
in the

**Grundmann Studios, adjoining Architectural  
Building,**

where we shall keep at all times a full line of

**DRAFTING IMPLEMENTS,  
Drawing and Blue Process Papers,**

Selected with especial reference to the re-  
quirements of students of the  
Institute.

**SCALES, TRIANGLES,**

**CURVES, T SQUARES, Etc.**

**Wadsworth, Howland & Co.,**

INCORPORATED

82 and 84 Washington St., Boston.

267 State Street, Chicago.

**SPECIAL RATES TO STUDENTS.**

# FALL OVERCOATS

UNDRESSED  
WORSTEDS  
\$20.

**UNDRESSED WORSTED** is a material particularly adapted for Fall Overgarments, and we have made up from this exclusive fabric, which is soft, warm, and at the same time light in weight, **GENTLEMEN'S OVERCOATS** in fine twills and diagonals, which carry with them the distinguishing marks of gentility and conservative dressing.

The colors are dark, Oxford mixtures predominating, and the garments have been manufactured by us during the dull season, in our own clean and well-lighted workrooms, in a manner equal to made to measure.

Gentlemen will find these coats, therefore (which are now ready for selection and to put right on for immediate use), exceedingly desirable in every respect at the price of

**\$20.**

**A. SHUMAN  
& CO.**

Manufacturing Clothiers.

*Shuman & Co.*  
BOSTON.

## LEADING OUTFITTERS

OF

**High Grade Mackintoshes**

For the Principal Colleges in New England.  
Regular Co-operative Discounts.

**METROPOLITAN RUBBER CO.**

CLEVE & KRIM

49 Summer Street, Boston.

### PRIVATE INSTRUCTION.

Physics, Electricity, and Engineering.

**FRED BRAINARD COREY, M.E.**

Consulting Electrical Engineer and Expert

73 Hathaway Building, Boston.

**CASTLE SQUARE THEATRE**  
**OPENS · IN · OCTOBER.**  
**WATCH!**

**NOTMAN**  
**PHOTOGRAPHIC COMPANY,**

**480 Boylston Street,**  
**and 3 Park Street.**



**PHOTOGRAPHERS TO M. I. T., '94.**



**Special Rates to Students.**



**SUBSCRIBE NOW.**

**ARCHITECTURAL PHOTOGRAPHS,**

The Largest Collection in America.

All the best Public Buildings, Churches, Private Houses, and Business Blocks in Boston and New York. Richardson's Works of Importance from all over New England. Also a complete line of

**Art Photographs for Room Decoration.**

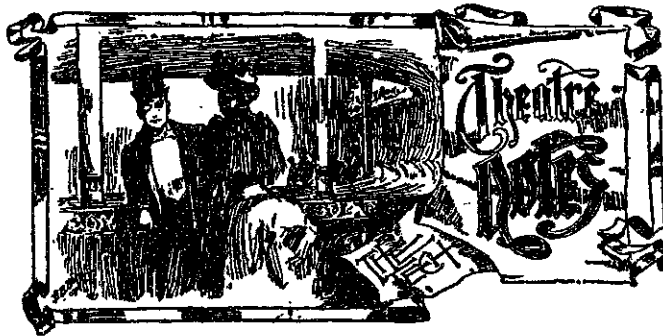
STUDENTS WELCOME TO EXAMINE, WHETHER DESIRING TO PURCHASE OR NOT.

**SOULE PHOTOGRAPH CO., Publishers,**  
338 Washington Street, Boston.

**AT THE THEATRES.—Week beginning October 1st.**

BOSTON MUSEUM.—Prince Pro Tem.

HOLLIS.—Miss Ada Rehan in "Love on Crutches," "As You Like it" and "Taming the Shrew."



BOSTON THEATRE.—Denman Thompson in the "Old Homestead."

COLUMBIA.—Davis and Keough's \$40,000 production "On the Mississippi."

TREMONT.—"Duff Opera Co." in the "Gondoliers."

PARK.—George Thatcher's Minstrels in "About Gotham."

BOWDOIN SQUARE.—"The New South."

GRAND.—Richard Golden in "Old Jed Prouty."

KEITH'S —High class Vaudeville and Variety.

LYCEUM.—Our Own Big Bill.

CASTLE SQUARE.—Open October 1st. Watch!!!

Matinee at 2. Evenings at 8.

**COES & STODDER,**

14 SCHOOL STREET.

The Popular Store  
for Young Men's  
Shoes.



A Discount of 10 per cent given to TECH Students.



**Specialty: Dress Suits, Silk Lined, \$45.**

**F. C. CUMMINGS, Tailor,**

No. 299 Washington Street, Boston, Mass.

**F. L. DUNNE, IMPORTING TAILOR,****...Riding Breeches a Specialty...****TRANSCRIPT BUILDING,**

328 Washington Street, corner Milk, Boston.

**COWLES ART SCHOOL,**

145 Dartmouth Street.

Special attention given to EVENING CLASSES FOR TECH  
STUDENTS in life and cast drawing.

Address

**F. M. COWLES, Agent.**

Tuition, \$4.00 per Month.

Three Evenings per Month.

**THE BRUNSWICK  
BOSTON.**Boylston and Clarendon Streets,  
(Adjoining Copley Square)Near the Museum of Fine Arts,  
New Public Library, New Old  
South Church, and opposite  
Trinity (Phillips Brooks')  
Church, and Institute  
of Technology.**KEPT ON BOTH AMERICAN AND  
EUROPEAN PLANS.****BARNES & DUNKLEE, Proprietors.**  
H. H. BARNES, Manager.**Tremont Street Foreign Book Store,**

149-A TREMONT STREET, BOSTON

LARGE STOCK OF FOREIGN AND AMERICAN BOOKS IN THE  
ANCIENT AND MODERN LANGUAGES.Scientific Works in all Departments. Regular Importations from the  
book centers of Europe.

Lowest Rates to Technology Students.

**KOEHLER, NEUMANN & CO.**

Foreign Booksellers and Importers.

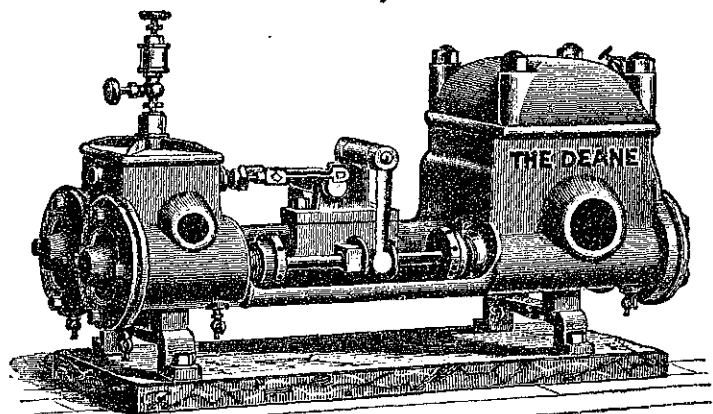
**TEXT-BOOKS, DRAWING MATERIALS,  
CORRESPONDENCE PAPERS,  
STUDENTS' SUPPLIES.****C. E. RIDLER,**

BOYLSTON AND BERKELEY STREETS, BOSTON.

The M. I. T. Supply Store.

**DEANE STEAM PUMP CO.**

HOLYOKE, MASS.

**• STEAM • PUMPS •**

Boston Office: 54 Oliver Street.



## The Richmond Straight Cut No. 1 Cigarettes.

Cigarette Smokers who are willing to pay a little more than the price charged for the ordinary trade cigarettes, will find this brand superior to all others.

Cigarettes are made from the brightest, most delicately flavored, and highest cost **Gold Leaf** grown in Virginia. This is the **Old and Original Brand of Straight Cut** Cigarettes, and was brought out by us in the year 1875.

*Beware of imitations*, and observe that the firm name as below is on every package.

**ALLEN & GINTER,**  
**THE AMERICAN TOBACCO CO., SUCCESSOR,**  
 Manufacturer, **RICHMOND, VIRGINIA.**

*Putridae*

**PHOTOGRAPHER,**  
**27 Harvard Street, Brookline.**  
 Only Twenty minutes by Car from TECH Building.

Special Inducements to Technology Students.

**Scientific Books** } **DAMRELL & UPHAM,**  
 The Old Corner Bookstore,  
 233 Washington St., Boston.

**ALBERT BENARI,**  
**Tobacconist,**  
**33 TREMONT STREET, - - BOSTON, MASS.**  
 Cigarettes, Tobacco, and Smokers' Articles.  
 Agent for Hale's Smoking Mixture.

**GEORGE H. GREENWOOD,**  
**9 AND 11 BOYLSTON STREET,**

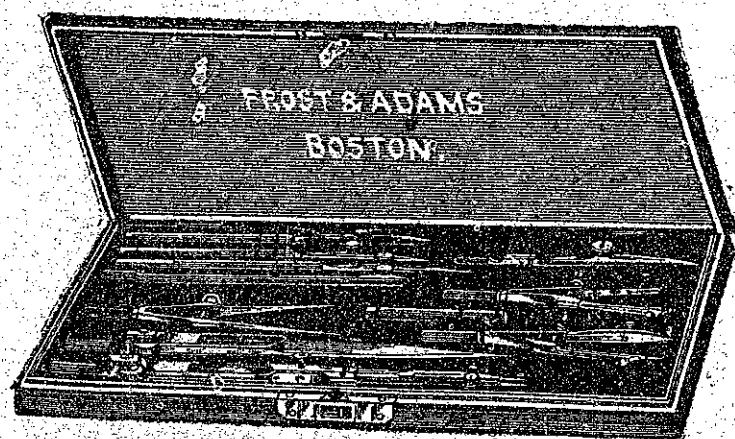
Offers the largest stock of . . . . .

**English and French Briar Pipes**

Ever shown in Boston, at very low prices.

**WRIGHT & DITSON,**  
 Leading Dealers in all kinds of  
**ATHLETIC SUPPLIES.**  
**Football, Tennis,**  
**and Gymnasium Clothing**  
 A Specialty.  
 Send for Catalogue.

**Wright & Ditson,** **344 WASHINGTON STREET**  
 (NEAR MILK),  
**BOSTON, MASS.**



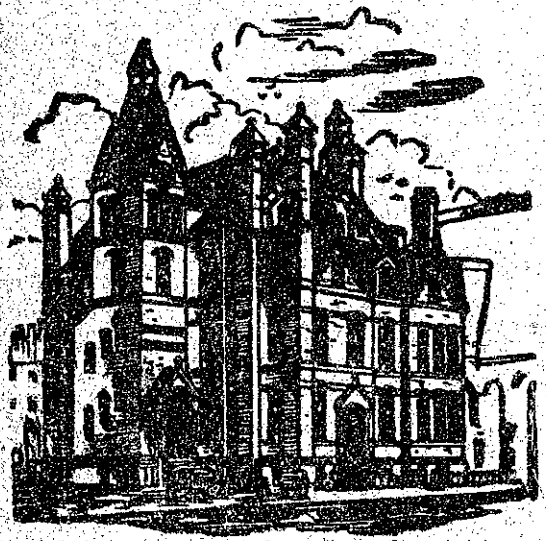
**FROST & ADAMS,**  
 IMPORTERS OF  
**DRAWING •• INSTRUMENTS,**  
 AND  
 Supplies for Students, Architects, and Engineers,  
**37 CORNHILL, BOSTON.**

Send for Illustrated Catalogue.

\* **LIBERAL DISCOUNT TO M. I. T. STUDENTS.** \*



**GO WEST.**  
Cut Rates.  
**FOGG.**  
277 Washington Street, Boston.  
Mileage—all routes.



Preparation for the  
**Massachusetts Institute of Technology.**

Established in 1828.

THIS HAS LONG BEEN A SPECIALTY AT

**CHAUNCY HALL SCHOOL.**

REFERENCE is made to the INSTITUTE FACULTY in regard to the thoroughness with which Chauncy-Hall pupils are fitted, not only for entering the Institute, but also for pursuing successfully their subsequent work. Preparation, also, for business and for college.

No. 593 Boylston Street, Boston.  
(Very near the Institute.)

*Elmer Chickering*

**THE**  
**Leading Photographer**

CERTAINLY has attained success. His success is proven by the number of patrons who daily visit the studio and take away with them the evidences of his skill and artistic ability. Before going elsewhere call at

**21 WEST STREET, BOSTON.**

A. McMILLAN.

A. McMILLAN, Jr.

**A. McMILLAN & SON,**  
**Tailors and Importers,**

**288 BOYLSTON STREET (Opposite Public Garden), BOSTON.**

TECH men are specially invited to examine our line of Scotch novelties in Suitings, which have been imported directly by us. Our stock in other lines is very complete.

**TELEPHONE, TREMONT 1017.**