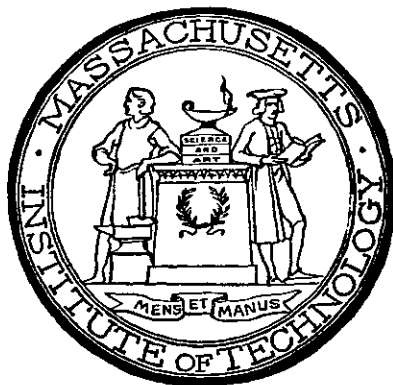


# HE TECH



VOLUME XIX.

NUMBER 4.

OCTOBER 26, 1899.



Wright & Ditson,

LAWN TENNIS,  
GOLF, The A. H. Findlay Clubs a Specialty.  
TETHER BALL,

Every Requisite for Sport.  
Catalogues Free.

WRIGHT & DITSON,

344 WASHINGTON STREET,  
BOSTON, MASS.

## Oak Grove Creamery Company,

= = DAIRY LUNCH ROOM, = =

465 BOYLSTON STREET, COR. BERKELEY, Opp. Y. M. C. A. Building.

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

EVERYTHING FIRST CLASS.

Pure, Fresh-churned Butter, in Quarter-pound Prints, 5 and 10 Pound Boxes. Pure, Fresh Milk and Cream, delivered in Glass Jars. Fresh-laid Eggs. Pure, Full-Cream Cheese, American (plain), Sage, Neufchatel and Edam. All kinds of Fruit Ices.

NELSON L. MARTIN.

Standard  
Clothing Co. 

LARGEST  
MANUFACTURERS OF CLOTHING  
IN AMERICA.

We sell direct to the consumer at from  
25 to 40 per cent. less than the  
regular retailers.

395 WASHINGTON STREET,  
BOSTON.

DISCOUNT TO MEMBERS OF THE CO-OPERATIVE SOCIETY.

## HIBBARD & MASON

(INCORPORATED)

# Tailors,

MUSIC HALL PLACE,

Telephone 579.

Off WINTER STREET.

BOSTON.

SUITINGS FROM \$30 UPWARDS.

OUR FALL STYLES HAVE ALL ARRIVED.

**L. P. HOLLANDER & CO.,**  
**Makers of Fine Ready-Made Clothing.**

Sack Suits	- -	from \$20.00 upward
Covert Coats	- -	" 22.00 "
Heavy Winter Overcoats	"	25.00 "
Tuxedo and Dress Suits	"	35.00 "
Fancy Waistcoats	- -	" 4.50 "
Mackintoshes	- -	" 5.50 "

**HATS AND CAPS. FURNISHING GOODS.**

We allow ten per cent. discount to Members of the Co-operative Society.

202 to 212 Boylston Street, opposite Public Garden.

**Special Announcement.**

**St. Botolph Hall Cafe.**

38 ST. BOTOLPH STREET.

On and after September 5th, the Prices for Regular Weekly Board and Meal Tickets will be as follows:

Regular Weekly Board (3 meals a day)	\$5.00
21 Breakfasts — Ticket	5.00
21 Luncheons " . . . .	4.00
21 Dinners " . . . .	7.00

**COMBINATIONS:**

7 Breakfasts, 7 Luncheons, 7 Dinners —	Ticket, \$5.50
11 " " " 10 " "	6.00

**M. DWYER.**

**Massachusetts Cafe.**

ORDER COOKING AT ALL HOURS.

Fine Line of Confectionery.

Hampden Fruit-Flavored Ice Cream.

Fruit of all kinds.

Choice Line of Cigars.

Open from 7 A. M. till 12 P. M.

**G. MUGAR & COMPANY,**

No. 587 Massachusetts Avenue, corner Shawmut.

J. W. GRIFFITHS.

E. L. STORER.

**Hair Dressing Parlor,**

HOTEL OXFORD.

GRIFFITHS & STORER.

**SPECIAL ATTENTION  
 GIVEN TO STUDENTS.**

B. T.

**“Cluett”**

ELISKA

25 CENTS EACH

CLUETT, PEABODY & Co.  
MAKERS

Wright & Ditson,

LAWN TENNIS,  
GOLF, The A. H. Findlay Clubs a Specialty.  
TETHER BALL,

Every Requisite for Sport.  
Catalogues Free. \* \*

**WRIGHT & DITSON,**

344 WASHINGTON STREET,  
BOSTON, MASS.

**Oak Grove Creamery Company,**

= = DAIRY LUNCH ROOM, = =

465 BOYLSTON STREET, COR. BERKELEY, \* \* \* Opp. Y. M. C. A. Building.

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

EVERYTHING FIRST CLASS.

Pure, Fresh-churned Butter, in Quarter-pound Prints, 5 and 10 Pound Boxes. Pure, Fresh Milk and Cream, delivered in Glass Jars. Fresh-laid Eggs. Pure, Full-Cream Cheese, American (plain), Sage, Neufchatel and Edam. All kinds of Fruit Ices.

**NELSON L. MARTIN.**

Standard  
Clothing Co.



LARGEST  
MANUFACTURERS OF CLOTHING  
IN AMERICA.

We sell direct to the consumer at from  
25 to 40 per cent. less than the  
regular retailers.

395 WASHINGTON STREET,  
BOSTON.

DISCOUNT TO MEMBERS OF THE CO-OPERATIVE SOCIETY.

**HIBBARD & MASON**

(INCORPORATED)

**Tailors,**

**MUSIC HALL PLACE,**

Telephone 579.

Off WINTER STREET.

**BOSTON.**

SUITINGS FROM \$30 UPWARDS.

OUR FALL STYLES HAVE ALL ARRIVED.

# L. P. HOLLANDER & CO., Makers of Fine Ready-Made Clothing.

Sack Suits	- -	from \$20.00 upward
Covert Coats	- -	" 22.00 "
Heavy Winter Overcoats	"	" 25.00 "
Tuxedo and Dress Suits	"	" 35.00 "
Fancy Waistcoats	-	" 4.50 "
Mackintoshes	- -	" 5.50 "

HATS AND CAPS. FURNISHING GOODS.

We allow ten per cent. discount to Members of the Co-operative Society.

202 to 212 Boylston Street, opposite Public Garden.

Special Announcement.

## St. Botolph Hall Cafe.

38 ST. BOTOLPH STREET.

On and after September 5th, the Prices for Regular Weekly Board and Meal Tickets will be as follows:

Regular Weekly Board (3 meals a day)	\$5.00
21 Breakfasts — Ticket	5.00
21 Luncheons " . . . .	4.00
21 Dinners " . . . .	7.00

COMBINATIONS:

7 Breakfasts, 7 Luncheons, 7 Dinners —	Ticket, \$5.50
11 " " " 10 " "	6.00

M. DWYER.

## Massachusetts Cafe.

ORDER COOKING AT ALL HOURS.

Fine Line of Confectionery.  
Hampden Fruit-Flavored Ice Cream.  
Fruit of all kinds.

Choice Line of Cigars.

Open from 7 A. M. till 12 P. M.

G. MUGAR & COMPANY,  
No. 587 Massachusetts Avenue, corner Shawmut.

J. W. GRIFFITHS.

E. L. STORER.

## Hair Dressing Parlor,

HOTEL OXFORD.

GRIFFITHS & STORER.

SPECIAL ATTENTION  
GIVEN TO STUDENTS.

# THE WESTMINSTER

THE NEW HOTEL ON

## COPLEY SQUARE.

The main Dining-Room and Gentlemen's Cafe are now open. The Bohemian Dining-Room is to open in a few days.

SUITES TO LET in any number of rooms desired, furnished or unfurnished.

HARRY L. BROWN, - - - Manager.



### GOOD ADVICE.

PATERFAMILIAS TO SON AND HEIR:—

“When you find individuals (or a firm) who use you well, stick to them—that is my plan. For forty years I have patronized Oak Hall, and I am better pleased with their management every day. I am glad to see that you are following your father's example.”



We attribute a great share of our success to the pains we take to please young men.

The prospects of business for the coming winter are shown by the pressure of Fall trade, which is all we can attend to.

**OAK HALL CLOTHING CO.**  
95 to 105 Washington Street.

## SPECIAL ARRANGEMENTS FOR TECHNOLOGY STUDENTS.



  YOUR GARMENTS Sponged, Pressed and Repaired (small repairs) while you are at college, for \$9.00 FOR THE COLLEGE YEAR. We call at your rooms each week for your garments, and return the same free of expense and no trouble to you.



Telephone, Oxford 350, or send postal to

# H. ALEXANDER & SON,

149 KINGSTON STREET, BOSTON,

Opposite United States Hotel.

BOXES FURNISHED FOR YOUR GARMENTS.

AN EXTRA ASSORTMENT OF

# GOLF TROUSERS

In Latest Patterns,

FOR FALL AND WINTER WEAR,

---

## Continental Clothing House,

Cor. Washington and Boylston Streets.

---

## WILLIAMS BROS.,

# Importing Tailors,

1458 WASHINGTON ST.



Our aim will be to furnish good garments  
at reasonable prices.

An examination respectfully solicited.



## FUR COATS A SPECIALTY

ESTABLISHED 1875.

Ten Per Cent. Discount for Cash.

# SMARTLY FASHIONED SEMI- DRESS SUITS FOR GENTLEMEN

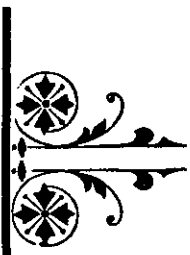
Are now on exhibition in our gentlemen's room. Worsted and double and twisted fabrics in slate colors, drabs, olives and brown mixtures, the newest patterns—especially stripes—prevailing, representing the choicest selections from the best makers at home and abroad, including Nantes diagonals, Stonehaven Scotch wool serges, Deubydale and Ben Nevis cheviots, Hebrides worsteds and Jura twilled mixtures. The coats are smartly fashioned, have four buttons, and there are double-breasted vests as well as single. The high character of the structures is insured by precise workmanship by "jour" tailors—using nothing but the best double warp linings, canvases, buttons, threads and silks. The trousers are cut in the newest straight fashion, and altogether the "tout ensemble" is satisfactory from any point of view.

**\$20, \$22, \$25.**

NOTE. — All garments manufactured by us bear our full name and designation on the Etiquette, as follows:

*A. Shuman & Co.*  
*Boston*

The  
Gardner  
and  
Vail  
Laundry



OF NEW YORK.

The L. E. FLETCHER CO.,  
AGENTS.

We Call for and  
Deliver Laundry.

## Shirts to Measure

Our Specialty.



ALWAYS ON HAND:

DRESS SHIRTS, COLLARS AND  
CUFFS.

Newest Effects in

Neckwear, Gloves,  
Hosiery, Pajamas.

SPECIAL LINES OF

Underwear, Golf Hose, Umbrellas  
and Mackintoshes.

# The L. E. Fletcher Co.,

134 BOYLSTON STREET.

Alf Brooks & Co.  
Importing Tailors  
75 MILK STREET.  
OPPOSITE OLD SOUTH CHURCH.

LONDON OFFICE,  
6 SAVILE ROW.

BIRTHPLACE OF FRANKLIN.

THE LARGEST ASSORTMENT OF FOREIGN WOOLLENS SHOWN IN BOSTON.

CO-OPERATIVE.

# THE TECH

VOL. XIX.

BOSTON, OCTOBER 26, 1899.

NO. 4.

## THE TECH

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

STANLEY G. H. FITCH, 1900, *Editor in Chief.*

I. RAYNE ADAMS, 1902, *Assistant Editor in Chief.*

PAUL RAYMOND BROOKS, 1900, *Secretary.*

MORGAN BARNEY, 1900.

C. W. CORBETT, 1900.

EDWARD H. DAVIS, 1901.

W. T. ALDRICH, 1901, } *Art Editors.*  
C. A. SAWYER, JR., 1902, }

THEODORE W. BRIGHAM, 1900, *Business Manager.*

ALBERT E. LOMBARD, 1902, } *Assistant Business Managers.*  
ARTHUR SMITH MORE, 1902, }

### OFFICE HOURS:

Editor in Chief, Monday, 12-1 P. M.  
Business Manager, Saturday, 12-1 P. M.

*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.*

Subscription, \$2.00 per year, in advance. Single copies, 10 cts. each.

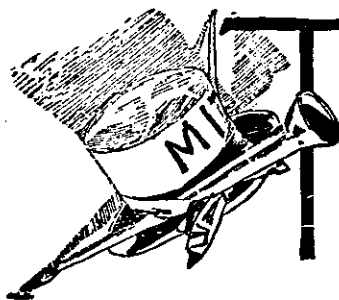
Entered in Post Office, Boston, Mass., as Second-Class Matter.

Press of Lounsbury Nichols & Worth Company.



HERE is no more striking feature of the past generation than the development of the modern college president. Combining liberal and profound learning with marked administrative ability and the faculty of penetrating human nature, these men are essentially a product of modern institutions, and we feel safe in saying, of American institutions. They are indeed a class of men of whom the country may well be proud.

Within the past fortnight no less than three of our sister colleges, Amherst, Yale and Brown, have installed new administrative heads. The event was in each instance made an occasion for general rejoicing, and attended by impressive ceremonies. We congratulate our sister institutions upon having secured men of such recognized ability to fill such important positions. It is within a comparatively recent time that Technology has taken a new president, and we certainly hope that our prosperity may be shared collectively by Amherst, Yale and Brown.



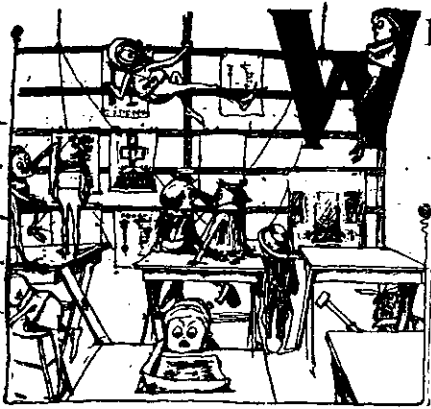
THE showing made by the Varsity football team thus far has been very poor, and interest in the school is rapidly diminishing. About fifteen men report daily for practice, and of this number only about six or seven show up on two consecutive days. Under these conditions, a good Varsity team is impossible. This state of affairs is very discouraging to the management and to Captain Jouett. They have worked hard to give Technology the representation she should have, but they receive no support. The reason for this is not apparent. There is just as good material in the school this year as there was last year, but it is impossible to bring it out.

Of the men who do come out, THE TECH dislikes to speak harshly, but it is high time that somebody should do some plain talking. In the first place, there is no enthusiasm or spirit. The men straggle into the Gym. for practice all the way from four o'clock to half past. It is frequently five o'clock before

eleven men are on clover field, and by half-past five, it is too dark to see. The team is absurdly weak in those elementary principles which should have been instilled during the first week of practice. Outside of the quarterback, not a man on the team seems capable of making two clean tackles in a single game. Several of the men do not appear to know their positions, and of interference, the team is entirely innocent. Even the signal practice at the Gym. is rendered ridiculous by the fumbling and misunderstanding of signals.

There is one step which the management should take immediately. They should require the coach to put on football clothes and give the team some practical lessons. Successful coaching has never been done by "lectures" at any other college, and there is no reason to suppose that it will be at Technology.

The team has had five weeks of this kind of coaching now, and the results indicate that something more is needed. It is imperative that the team should take a decided brace if the little football interest still left in the school is to be kept alive.



WITH the poor weather conditions, small attendance and general lack of enthusiasm on the part of the students, there was small incentive to spur the contestants in Sat-

urday's handicap games to anything like championship form. It was, however, gratifying to notice the number of new men in 1901 and 1902 especially who showed up well not so much on account of their condition but rather on their nerve alone.

We must repeat our time-worn plea that if Technology athletics are to be successful there

must be more support on the part of the students in general. Those men who spend their time and energy in endeavoring to place the Red and Gray in its rightful position certainly deserve more enthusiastic support on the part of their fellows. We should at least lend the encouragement of our presence at the games.

#### Association of Graduate Class Secretaries.

THE first regular meeting for the present year of the Association of Class Secretaries was held at the Technology Club on Tuesday evening, October 17. A large proportion of classes was represented.

A. D. Little of the editorial committee of the *Technology Review* submitted a report, which showed that the magazine had been even more successful than the committee had anticipated. Most encouraging letters had been received from subscribers and institutions and schools to which the *Review* had been sent. Owing to the many unusual expenditures incident upon starting a new publication, there is a slight deficit, but indications for the future warrant the continuance of the magazine.

In order to obtain more graduate news and to bring the *Review* into closer touch with Alumni, circulars are to be sent to all graduates by the class secretaries. Efforts are to be made to secure more advertisers.

Complete sets of directories of all classes are being completed and will be placed on file at the Institute, at the Technology Club, and with the Secretary of the Association of Class Secretaries.

#### With Apologies to a Popular Air.

It was brewed in old Kentucky,

Brewed in very quiet stills :

There's the sunshine of the country

In its sparkle as it spills.

It was brewed in old Kentucky,

Take it, boy, you're mighty lucky

When you're drinking the moonshine of the hills.

— Ex.

Exeter 24 — Tech. 0.

Tech. played her third game October 18, with Exeter, on the academy gridiron, being defeated 24-0. The score does not well describe the game, as in the first half although Exeter scored, the ball was most of the time in Exeter territory.

Stewart kicked off and Exeter recovered thirty yards before being downed. Tech. held well and in the third down Exeter tried for a field goal but the ball fell far short. Stewart returned the kick with a magnificent punt, landing the ball well up toward Exeter's goal. Exeter fumbled and Maxson secured the ball carrying it some distance before being downed. By steady rushing Tech. reached Exeter's three yard line but failed to get any further. Brill punted to Storer who made little gain. Shepard made a short end run. Exeter obtained the ball, Brill punted, Stewart returned it to Scales. Exeter fumbled, but recovered, and by hard line bucking scored and kicked a goal. Stewart kicked to Scott who recovered 25 yards. Brill punted and Stewart returned it to ten-yard line. Exeter again punted, Washburn received the ball and gained some ground. Again Exeter secured the ball and gradually worked up the field for another touchdown and goal.

Several substitutes were put in by both teams, Exeter seeming in better condition than Tech. Line bucking and a few punts marked this half.

EXETER.	TECH.
l.e., Burgess	r.e., Chubb
t. Hogan	t. Evans
g. Brill	g. Crane
c. Crilman	c. Laws
r.g. Price (Cooney)	l.g. McDonald
t. Jones	t. Pendell(Stewart)(Capelle)
e. Perkins	e. Washburn
g. b. Withan	g. b. Maxson
r.h.b. Hunrichouse	l.h.b. Storer
l.h.b. Scott (Conner)	r.h.b. Shepard
f.b. Scales (Sherrill)	f.b. Stewart (Pond)

Touchdowns, Exeter, 4; goals 4.

Referee, Ross; Umpire, Nolte; Linesmen, Barker and Bickford. Time 25 minutes and 15 minutes.

Wesleyan 44 — Tech 6.

Tech. met an overwhelming defeat in Saturday's game with Wesleyan by a score of 44-6. The team was a defeated one in spirit before it left Boston and doubly so when it returned.

The game put up was as poor a game as Tech. ever played, the interference ragged and line work weak. Wesleyan, though still feeling the effects of the U. P. game, put up a good game, their fine interference giving long end runs. The line gains were not so large.

Tech. kicked off and Ingliss retrieved 20 yards; an end play netted 30 more and seven downs carried the ball over the line. No goal. Pond kicked off and after one play Ingliss punted to Pond, the latter dropping the ball conveniently for Yarrow to gather it in and score from an open field run. No goal. This same thing happened again and with one goal the score stood 17-0 in the first five minutes. Tech. braced up a little but Wesleyan scored again by end plays, adding five more to the score. Wesleyan seeing no danger from Tech. began to put in substitutes at full back and right end. Wray at full soon scored again for Wesleyan. Tech. received several punts but invariably had to kick. The line up:

WESLEYAN.	M. I. T.
l.e. S. Dodds	r.e. Capelle, Allyn
l.t. Yarrow, Hastings	r.t. Pendell, Derby
l.g. Brown	r.g. Crans
c. Lilliman	c. Laws
r.g. Lufkin	l.g. McDonald
r.t. Montgomery, Ackart	l.t. Simms
r.e. Cornwell, Garrison	l.e. Washburn
g.b. C. Dodds	g.b. Maxson
l.h. Wilcox, Lacey	r.h. Wood
r.h. Hartzell, Calder	l.h. Storer, Capelle
f.b. Inglis, Wing	f.b. Pond

Score, Wesleyan 44; Tech. 6. Umpire, Hubbard (Trinity); Referee, Davis (Wesleyan); Linesmen, Jones, Derby, Pendell. Time 20m. halves.

“Yes,” said the farmer swinging his scythe, “this goes against my grain.”—Ex.

### Thurlow Washburn.

It is with profound sorrow that we publish the news of the death of Thurlow Washburn, who was graduated from the Institute with the Class of 1897, in the Mining Engineering Course. Details of his death are not at hand, other than the fact that he perished in last week's terrible snow storm in Colorado.

Although older than the average student, Washburn evinced a lively interest in all undergraduate affairs. He threw his whole soul into whatever he undertook. It was impossible to be long associated with him without being infused with his enthusiasm. As a result, success crowned his efforts in whatever he was concerned.

In his Junior year, his classmates, in recognition of his ability, chose him business manager of *Technique*, '97, and to his labor was mainly due the wonderful financial success of the book.

The success of *Technique*, '97, led to Washburn's election to the difficult, and almost thankless office of treasurer of the Athletic Association. To this new work he brought his customary energy and business principles, and did much toward placing Technology athletics on a firm basis. He aided materially in the establishment of the present Advisory Council on Athletics.

Always cheerful and genial, with a kind word for all, sparing neither time nor trouble in working for the best interests of Technology, Thurlow Washburn endeared himself to all who knew him. His was a life which might well be copied by all Tech. men, and his loss will be keenly felt.

After his graduation he went to New Mexico and spent some time in prospecting. He then secured a position with a large mining company, and at the time of his death, held the office of assistant superintendent of mines.

### Fall Handicap Games.

THE Technology annual fall handicap class games were held last Saturday on Holmes Field, Cambridge. The meet was successful in many respects, but owing to the strong wind which blew across the track, and the coldness of the atmosphere, no records were broken. The shot put, hammer and discus throwing, were postponed until Tuesday, as most of the men entered for these events were engaged on the football team. While, no doubt, the inclement weather kept away a good many spectators who would otherwise have been present, the participators must have been discouraged by the fact that the majority of the Tech. students did not take sufficient interest in athletics to witness the results of their training. Every Tech. man should at least do a little to promote the athletic standing of Tech., and the least he can do is to be present at the games.

There were three heats in the hundred-yard dash, Lowe, '02, Rowe, '01, and Wentworth, '00, each winning in his respective heat. The final heat was a closely-contested race, Lowe winning from Rowe by a small margin.

Only three men started in the 220-yard dash, and Rowe had the race from start to finish.

In the 440-yard dash, Pember, from 15-yard mark, clearly outclassed his competitors and won easily.

In the quarter-mile run, Garrett showed excellent judgment in his gradual gain on Perry, with 45 yards handicap, and finally finished several yards to the good.

The one-mile run proved the most interesting of all the events, and to be a sort of double race. Sears, scratch, was only a few yards behind Stowe, with a handicap of 50 yards, at the three-quarter mile post, and from there to the finish line, he pushed Stowe hard but could not pass him. Hunter and Arnold, in the meantime, were about 100 yards to the rear and struggling for third place. Hunter

finally finished two yards ahead of Arnold.

Field easily captured the two-mile run and might have made better time had he been pushed.

The two-mile bicycle, held at Charles River Park, was easy for Murray, and Eveland beat Clark by several yards.

Wentworth beat Wilder in the running broad jump by six inches.

Wentworth also captured the running high jump by clearing five feet, three inches. His nearest neighbor was Winchester who jumped five feet.

Baxter, scratch, won from Kellogg in the pole vault by clearing nine feet, four inches, while the latter did eight feet, nine inches.

As these events have not yet been contested it is not decided which class has won the most points. As it now stands, '01 has 34 points to its credit, while '02 has 33, but since there are only two '02 men entered for the remaining events, it is probable that '01 will win out.

The summary:

100-YARD DASH.

First heat—Won by Lowe, '02, 5 yds.; second, Manley, '02, 4 yds.; third, Hall, '00, scratch. Time—10 4-5s.

Second heat—Won by Rowe, '01, 3 yds.; second, Winchester, '03, 6 yds.; third, Lord, '03, 4 yds. Time—10 4-5s.

Third heat—Won by Wentworth, '00, 2 yds.; second, Stowe, '02, 6 yds.; third, Avery, '02, 3 yds. Time—11s.

Heat for second men—Won by Winchester. Time—11 1-5s.

Final heat—Won by Lowe, '02, 5 yds.; second, Rowe, '01, 3 yds.; third, Wentworth, '00, scratch. Time—10 3-5s.

220-YARD DASH.

Won by Rowe, '01, 6 yds.; second, Stowe, '02, 11 yds.; Third, Hall, '00, scratch. Time—23 4-5s.

440-YARD DASH.

Won by Pember, '02, 15 yds.; second, Garrett, '01, scratch; third, Morris, '03, 20 yds. Time—55s.

880-YARD RUN.

Won by Garrett, '01, scratch; second, Perry, '02, 45 yds. Time—2m. 19s.

ONE-MILE RUN.

Won by Stowe, '02, 50 yds.; second, Sears, '00, scratch; third, Hunter, '02, 70 yds. Time, 5m.

TWO-MILE RUN.

Won by Field, '02, scratch; second, Hunter, '02, 125 yds.; third, Stockman, '01, 40 yds. Time—11m. 16 1-5s.

TWO-MILE BICYCLE RACE.

Won by Murray, '01, scratch; second, Eveland, '01, 53 yds.; third, R. B. Clark, '01, 60 yds. Time—5m. 18s.

RUNNING BROAD JUMP.

Won by Wentworth, '00, 1 ft. 6 in., actual distance, 19 ft.; second, Wilder, '01, 1 ft. 6 in., actual distance, 18 ft. 9 in.; third, Gleason, '03, 2 ft., actual distance, 18 ft. 2 in.

RUNNING HIGH JUMP.

Won by Wentworth, '00, 5 in., actual height, 5 ft. 3 in.; second, Winchester, '03, 4 in., actual height, 5 ft.; third, Wilder, '01, 7 in., actual height, 4 ft. 9 in.


POLE VAULT.

Won by Baxter, '01, scratch, actual height, 9 ft. 4 in.; second, Kellogg, '02, 6 in., actual height, 8 ft. 9 in.; third, Baker, '03, 4 in., actual height, 8 ft. 3 in.

Y. M. C. A. at Northfield.

TECHNOLOGY sent a large delegation to the Students' Conference at Northfield, Mass., this past summer, there being eleven present from M. I. T. This Conference, which is held annually at Northfield, is principally a conference on methods of Christian work in the colleges of the country and on methods of Bible study. This year there were over six hundred delegates from the colleges in the eastern section of the country. The Conference lasted ten days. Those present from Tech. were: C. M. Lewis, '99; J. A. Patch, '99; C. A. Torrey, '99; J. Campbell, '00; F. Du B. Ingalls, '00; W. C. Pickersgill, '00; A. A. Reimer, '00; C. D. Thurber, '00; P. Ziegler, '00; P. Boynton, '01; W. S. Fitch, '02.

"THE GIRLS ARE FOND OF THESE"

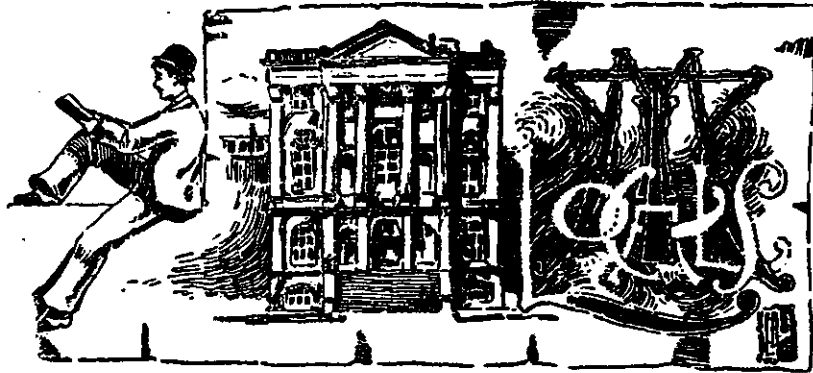


## TECH. EMBLEMS.

Greatest Variety.  
Lowest Prices.

## BENT & BUSH,

387 WASHINGTON ST., BOSTON.



There will be a meeting of the M. I. T. Yacht Club on Thursday, Nov. 2d, in Room 22, Rogers. Officers will be elected for the ensuing year.

The Chicago Club will hold its first meeting for the season on Friday, Nov. 3, at 1 P. M. Place will be bulletined later, and any new men from Chicago or vicinity should be on hand.

The Junior Class Election, on October 20, resulted as follows: President, V. F. Holmes; First Vice-President, Ray Murray; Second Vice-President, E. Seaver, Jr.; Secretary, F. W. Puckey; Treasurer, A. W. Rowe; Executive Committee, W. W. Walcott, O. H. Perry, Jr.; Institute Committee, E. G. Thatcher, Wm. Whipple.

The present naval activity in and around Boston is affording members of courses XIII., II. and I. a series of opportunities which the men are not slow to enjoy, by trips to construction yards, etc., of seeing the practical application and appearance and use of much which has heretofore been but theory to them.

A meeting of the 1902 Cane Rush Committee, consisting of Messrs. Sawyer, Saylor and Allyn, was held on Tuesday, the seventeenth. A challenge for the annual Cane Rush between the Sophomore and Freshman class was drawn up and sent to the class of 1903 with the recommendation that they appoint a similar committee to arrange the details for the Rush. The 1902 Committee intend to institute some new features this year, and it is also proposed that each class furnish a band.

At the next meeting of the Geological Club

on Monday, Oct. 30, Prof. W. O. Crosby of this Institute, and Mr. A. W. Grabau, fellow at Harvard College, will speak upon the nature, origin and features of Peneplains.

Arrangements have been made with Dr. R. P. Bigelow, whereby the exchanges of THE TECH are to be placed on file in the General Library. It is hoped that students will avail themselves of this opportunity to keep in touch with the leading colleges of the country.

The first meeting of the Electrical Engineering Society was held on Wednesday, Oct. 18. A committee of twenty-four members was elected to provide speakers for the meetings. After a short discussion, it was decided to follow the general program of having the meetings and smoke-talks also, if possible, the first Monday in each month, to be addressed by prominent men this term, and next term by seniors, on their theses.

The Class of 1903 held a meeting Monday, October 23rd, at 1 P. M. in Huntington Hall. There were about one hundred present. Part of the constitution was read and accepted, but the class voted to postpone the matter until next meeting. The challenge for the "Cane Rush" from the Class of 1902 was read and accepted, and a "Cane Rush" committee, consisting of R. M. Field, H. T. Winchester and P. R. Parker, was elected. Geo. Wood was elected temporary captain of the football team, but nothing was done in regard to the election of a manager. It has been decided that the annual "Cane Rush" is to be held Friday, Nov. 17th, at the South End grounds.

#### Technology Calendar.

*Saturday, Oct. 28.*—Hare and Hounds Run. Wellesley Hills.

*Saturday, Oct. 28.*—Foot Ball. M. I. T. vs. Tufts, at Tufts.

*Monday, Oct. 30.*—1 P. M. Board of Editors, Tech Office.

*Monday, Oct. 30.*—Geological Club, Room 14, Pierce Building.

*Thursday, Nov. 2.*—M. I. T. Yacht Club. Room 22, Rogers.

*Friday, Nov. 3.*—1 P. M. Chicago Club.



Stowe and Sears made a good showing in the mile-run in the Class games.

Pember's showing in the quarter-mile run at the Class games was excellent and promises well for the Spring campaign.

There is considerable suspicion among the football men that Chub has "infloence" in the sporting department of the *Boston Record*.

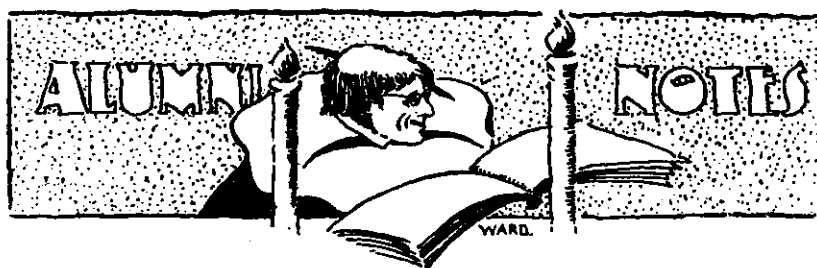
Mr. Bowler is to be Superintendent of the gymnasia all over the city and will, therefore, be at Charlesbank only from April to October.

Captain D. C. Hall of Brown University is said to be feeling highly elated over the showing made by a number of Freshmen in training for the Brown Class games.

More interest is being taken in the class of '02 football team. Among the new men who are trying for the different positions are Nagel, full back; Sawyer, right-half; Mol-tido and French, guard.

In practice on Tuesday, the 17th, Fleming '01, threw the discus the remarkable distance of 102 feet 6 inches. This performance appears the more striking when it is taken into consideration that the intercollegiate record for that event is only 107 feet.

Mr. William Skarstrom has been appointed Physical Instructor at the Institute for the coming year. Mr. Skarstrom, who is a graduate of the Boston Normal School of Gymnastics, has been teaching Physical Training for several years, the last two of which he was Instructor of Physical Training at the Groton Preparatory School.



'79. Mr. H. H. Campbell, III., is to be congratulated on his recent promotion to the important post of general manager of the Pennsylvania Steel Company, of Steelton, Pa.

'84. Mr. T. W. Robinson, III., has left Pueblo to become general superintendent of the Tolest Works of the Illinois Steel Co., located at Joliet, Ill.

'87. Mr. Geo. W. Patterson, Jr., VI., in June was the recipient of the degree of Ph.D., from Munich University.

'88. Mr. Fred'k N. Safford, VI., has been made assistant professor of mathematics and mathematical physics, at the University of Cincinnati.

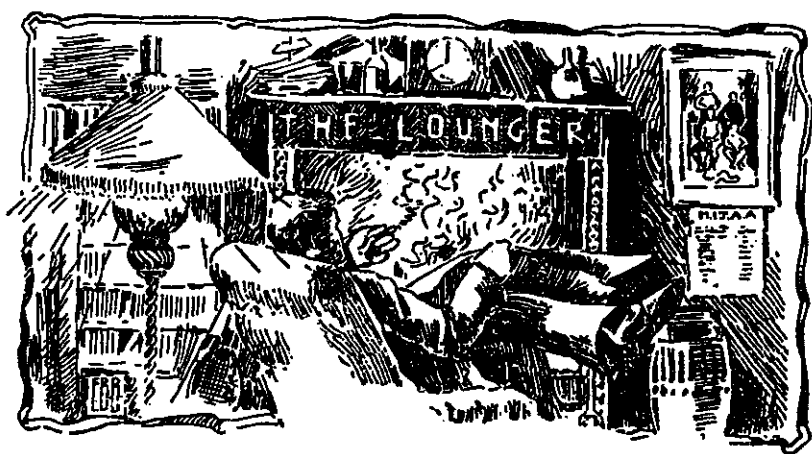
'97. Mr. Otto S. Pike, II., was married on October third, to Miss Millie T. Killam, of Malden. He is at present connected with the Boston Pneumatic Transit Co.

'98. Chester F. Drake, XI., passed Sunday in the city with friends.

'98. A. H. Jacoby, V., assistant in the Laboratory of Industrial Chemistry, has entered the employ of F. E. Atteaux & Co., manufacturers of dye stuffs and chemicals. He is succeeded by F. E. Busby, V., '97.

'99. C. M. Lewis, III., has opened an office as Mining Engineer and Metallurgist at Ketchum, Idaho. His thesis on the best methods of working *Crasus* ore has proved of great interest to miners in that vicinity, as evinced by an article in *The Weekly News-Miner*.

'99. K. M. Blake, II., will leave within the next week for Paris in the interest of the Stanley Locomobile Co., L'd.



Verily, the name of TECHNOLOGY grows ever more famous. Only recently, when our hamlet was visited by Admiral Dewey — may his fortune equal his fame, — a goodly representation from the Institute, the flower of the flock, so to speak, gathered unto itself in great numbers and paraded over the streets lying between M. I. T. and the Touraine. As the five hundred strong marched along, great was the effect upon the natives of Boston. The sidewalks, yea, even the streets, were crowded with admiring throngs; knots of people, some of whom had travelled from afar to witness the spectacle, throbbed with excitement. Even an electric car stopped, and while the conductor jollied the trolley to get the electricity to charge the car, the passengers jollied the motorman to get the police to charge the crowd. The attempt — need it be said? — was footless. Men from Harvard (a sort of casino for the young, in a suburb of Boston) hastened ignominiously from the spot; and then Sir Dewey himself appeared at the window of his hotel, wearing a look of intensest gratification. By that time, Boston had got an exhibition of pyro-TECH-nics well into display; and the Tech. men, magnanimously making acknowledgment of this delicate compliment, received the swelling applause of the multitude, turned, and were seen no more. But for long after the masses remained, a living monument to the potency of Technology's fame.

Course IX seems to be especially prominent in the Technological field, and very deservedly does it hold its place there. Its training in general science is essentially not elsewhere to be found. It is one thing for the gentle chemists or the guileless mechanics to receive with docility what instruction may pertain to their subjects, but it is another and far greater act for the Course Niner to be posted on all kinds of knowledge, to be versed in all things, from the blowing up of hydrogen generators to the peeling of echinoderms or the juggling of mantissas in working up the Bunsen Photometer. And yet, even greater is the scope and value of its preparation. Only the other day, THE LOUNGER heard of the case of a "General" who managed to get stranded out in the

witching region of Denver, Colorado, with nothing more than an extra collar upon which to raise enough wherewithal for his diurnal lubrication. Anyone else would have been staggered. But not so with our hero — he was a Course Niner. His resources were as yet unexhausted, indeed, almost untapped. Stepping to the nearest theatre, he presented his face and sent it up to the manager. In ten minutes he was duly installed as a super in the production of "Cyrano de Bergerac." He made his debüt that evening, as one of the hungry poets in the pastry shop, and was an instantaneous success. He gave a touch to the eating scene that threw stage deception to the winds; artificiality was a thing of the past; his acting was voted by all to be genuine, natural, spontaneous, human — almost superhuman — and, in short, biographic. For one week he continued to give mastication exhibitions, supported by the rest of the cast and supplemented by the rest of the play. At the end of that time he courteously, though firmly, refused a dazzling offer of the Denver Dime Den of Delight — a sort of vaudeville museum — and left for the east. So greatly was he missed by the "Cyanide of Baccarat" Company that it immediately disbanded; the manager, so rumor has it, leaving his possessions in storage at the local bakeryshop, and starting out for another lingering look at his cherished protégé. This, ladies and gentlemen, was a Course Nine man; and he never was in a Walker club play, either!

Painting things red is a very laudable operation, generally, and one especially suited to the peculiar genius of the Technology Senior. Yet there are times, and places, and things, when, where and with which carmine ornamentations is not so devoutly to be wished. That a former manager of the ball team, for instance, should attempt to have his visage brightened up with a little of the Harvardian shade of decoration in one of the Technology edifices seems to THE LOUNGER to be rather inadvisable; — and that an official Technology Wheelman and prominent Y. M. C. A. attendant should try to emulate that Iroquoian example by a bedecking of his own countenance, as well as of all the surrounding articles of furniture or attire, with the same variety of brilliant embellishment seems also to be, on the whole, not without its decided disadvantages. And further, when two such enthusiasts make the artistic operation the more complete by practicing upon one another to an accompaniment of decidedly inartistic comments upon each other's qualities of veracity, then THE LOUNGER feels impelled, in the name of common humanity — remarkably uncommon, — to protest. Gore may be all right to shade a background for the minstrel show poster, but as a varnish for the floor of — no, no! THE LOUNGER feels called upon to shudder and turn sadly away.

THOMAS O. TURNER  
TAILOR  
252 Boylston Street, Boston, Mass.

Discount to Tech Students.

We make a Special Contract Price for Pressing and  
the care of Students' Clothing for the school year.

The  
Nesmith  
Shoe,

**\$3.50**

STUDENTS . . .

Call at our Retail Store,

112-a Summer Street,

and examine the shoes made  
on our new \* \* \* \*

Foot-Form Lasts.

For Comfort and Style you will find  
them without an equal.



# Hall & Hancock,

Novelties in - - - -

SOFT

HATS AND

STIFF

HATS

Canes, Umbrellas,

Hat Cases and Gloves.

407 Washington Street.

Discount to Tech. Students.

Established 1828.

## CHAUNCY-HALL SCHOOL

HAS LONG MADE A

SPECIALTY OF PREPARATION FOR  
TECHNOLOGY.

REFERENCE is made to the President and Secretary of the  
Institute 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.

Regular Grammar and High-School  
Courses, fitting for Business  
and for College.

458 Boylston Street, - - - - Boston, Mass.

(OPPOSITE THE INSTITUTE.)

TAYLOR, De MERITTE & HAGAR,  
PRINCIPALS.



**A. S. ADAMS**

Maker of the Official

**M. I. T. Pin**

8 Winter St., BOSTON.



**The Official Tech Pin.**

Gold Plated on Silver, \$1.00.

Gold, \$2.50.

Silver, 75 cents.

**HENRY GUILD & SON,** Manufacturers of **HAMMER AND TONGS,** and other Society Pins.

433 Washington St., cor. Winter St., BOSTON.

**Students Will Find...**

**SUPERIOR**

Drafting Instruments,  
Drawing and Blue Process Papers,  
Scales, Triangles, Curves,  
T Squares, Colors, Etc.,

AT THE MANUFACTURERS.

**Wadsworth, Howland & Co.,**

INCORPORATED,

218 CLARENDON STREET.

Main Office: 82 & 84 Washington St., Boston.

Factories: Malden, Mass.

**SPECIAL RATES TO STUDENTS.**

**T. E. MOSELEY & CO.**

**Shoes for Young Men.**



We Cater to Young Men's Trade.

**SHOES from \$3.50 to \$9.00.**

**145 TREMONT STREET,**

Between Temple Place and West Street.

10 per cent discount to Tech.

The

**BRUNSWICK**

**BOSTON.**

Boylston and Clarendon Streets.

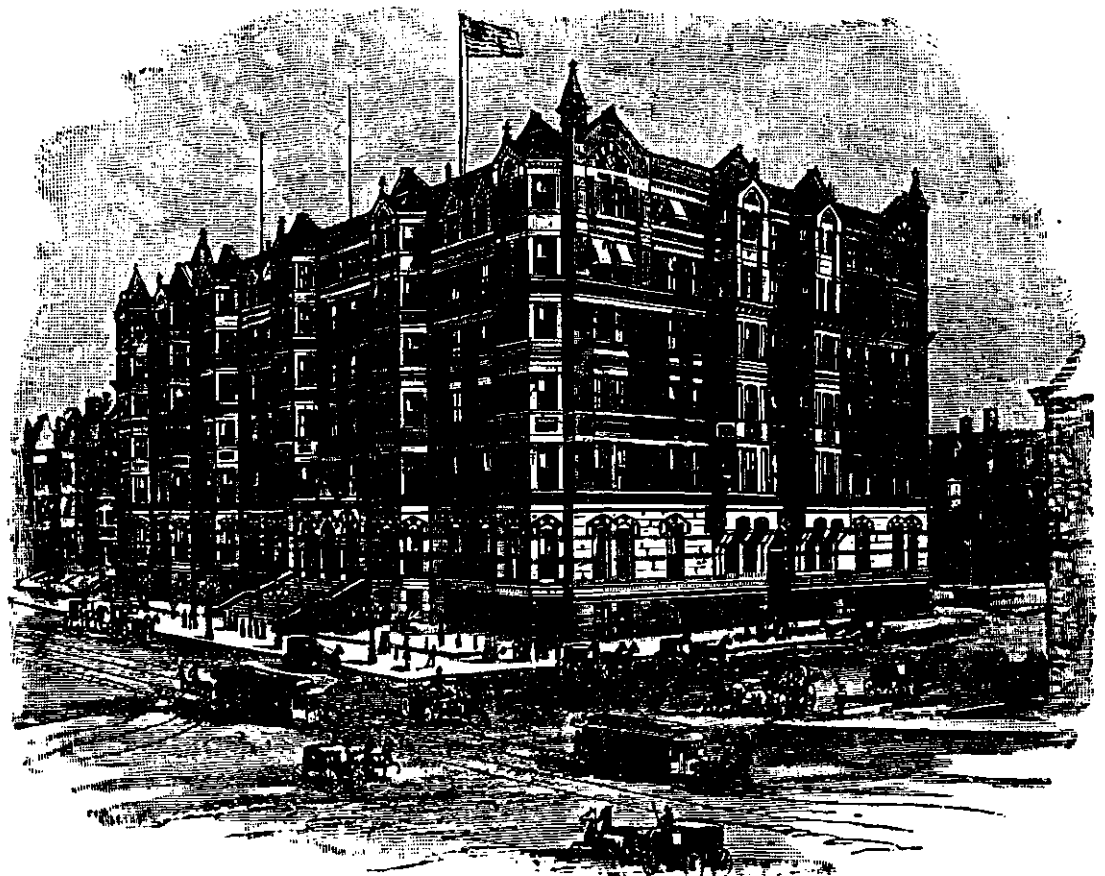
(Adjoining Copley Square.)

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.



# Charles A. Hoyle, PORTRAITS.

. . . . Specialty in Platinums . . . .

Official Photographer for Tech '99.

288 BOYLSTON STREET, - opp. Subway Entrance.



Week Commencing October 30, 1899.

**Tremont Theatre.**—"Three Little Lambs" will be the attraction at this theatre for another week. The features of the play have been altered a little, but the plot is the same as it was when it was called "Queen of the Ballet."

**Hollis Street Theatre.**—The Kendals will continue to produce "The Elder Miss Blossom." This

is a play of English character and style, and is well adapted to the Kendals. It has already proved its success.

**Park Theatre.**—"Sag Harbor," which is the newest of James A. Herne's plays, will run for another week. This is a play in which characters of Eastern Long Island figure.

**Castle Square Theatre.**—The regular company will appear in the modern society drama, "The Highest Bidder." This is a play which contains plenty of good, wholesome fun.

**Boston Theatre.**—"Papa's Wife" is the next attraction. This is played by the popular actress, Anna Held. Anyone who attends this play is sure to be well repaid.

**Keith's Theatre.**—Vaudeville, including Harry Lacy, in a new comedy sketch, "Capt. Dickie's Night Off," and the American Biograph with pictures of the yacht races.

## LONDON BOOT SHOPS.

Our business is devoted chiefly to



## YOUNG MEN'S SHOES.

Our Shoes are made on the newest English models, staunch and up-to-date.  
10 per cent discount to "Tech" Students.

**COES & STODDER,**  
78 Boylston Street, and 14 School Street, Boston.

## TO STUDENTS:

Are you fully aware that you can furnish your rooms from

## HOUGHTON &amp; DUTTON'S

For less money than from any other house in Boston? We give you below a very few hints; run them down and convince yourself of the truthfulness of our claim.

## FURNITURE.

White Enameled Beds, Brass Trimmings, etc,	\$3.75 to \$17.98
Mattresses in great variety,	1.50 " 18.98
All-Feather Pillows,	.97 " 5.00
Bed Springs,	1.98 " 6.98
Chamber Suits, various woods and styles,	9.98 upward
Chiffonniers,	4.97 to \$19.98
Rockers, plush and rattan, every style,	1.47 " 19.98
Lounges and Couches, every style,	4.98 upward
Chiffonnier Beds, with mattresses and springs,	14.98 " "

## RUGS—Carpet Sizes.

Afghan Smyrna,	6 x 9 feet	\$4.9
" "	7 1-2x10 1-2 "	7.98
" "	9 x12 "	10.98
Wool Smyrna,	6 x 9 "	7.98
" "	7 1-2x10 1-2 "	12.48
" "	9 x12 "	17.48
Ex. Quality Smyrna,	6 x 9 "	10.98
" "	7 1-2x10 1-2 "	16.98
" "	9 x12 "	23.6
		8

**CARPETS.**—Our assortment of Carpets is now full and complete, and we guarantee our prices to be the lowest in Boston.

**UPHOLSTERY.**—This you will find an admirably equipped and conducted department. **CURTAINS** and **DRAPERIES** of all kinds, **SOFA PILLOWS**, etc., always at **BOTTOM PRICES**. **SPECIAL ORDERS** executed by skillful workmen, measurements and estimates being made **FREE OF CHARGE** on orders either large or small.

## M. I. T. UNIFORMS

TO ORDER,

QUALITY and FIT GUARANTEED



OUR FALL AND WINTER STYLES IN SUITS AND TOP COATS exhibit the Greatest Variety of Up-to-Date Novelties at Popular Prices ever shown.



The New Striped Tweed and Worsted Suits with D. B. Vests. \$7.50 to \$15.00.

Nobby, Covert Top Coats, \$6.50 to \$20.00.

Hats and Furnishings, all New and Desirable, at Popular Prices.

THE TERMINAL HAT AT \$2.00,

Is the Best ever shown at the price.

SPITZ BROS. & MORK,

65-69 Summer Street.

RICHMOND

STRAIGHT CUT

10<sup>s</sup>IN TIN BOXES

are more desirable than ever — the new tin box prevents their breaking and is convenient to carry in any pocket.

For Sale Everywhere.

..... S. SIMONS .....

We carry a Full Line of Leading Styles in

**Men's High-Grade Shoes**

Lowest Prices. We do Repairing.  
46 Charles Street, Boston.

**Wanted — Short Stories.**

A Subscription for each one published.

33 St. Botolph Street.

**C. S. FRISBIE,**

**First-Class Meals**

**at Reasonable Prices.**

21 MEAL TICKETS, \$4.50.

**Special Rates to Students!**

YOU CAN GET A

**Technology  
Hair Cut**

Done by First-Class Workmen at  
**Hotel Berkeley Barber Shop,**  
Cor. Berkeley and Boylston Streets.  
D. B. FISH, Manager.

ESTABLISHED 1843.

INCORPORATED 1895.

**"STUDENTS," ATTENTION!**

Largest Stock and Lowest Prices on

**MATHEMATICAL INSTRUMENTS**

and Drawing Materials of all kinds.  
Picture Framing a Specialty.

**FROST & ADAMS COMPANY,**

Importers and Wholesale Dealers,

"Special Rates to Colleges."  
New Illustrated Catalogue Free.

37 Cornhill, Boston.

**THE  
TECHNOLOGY  
REVIEW**

A GRADUATE'S MAGAZINE devoted to the interests of  
the MASSACHUSETTS INSTITUTE OF TECHNOLOGY,  
and published four times a year by the Class Secretaries,  
at 71 Newbury Street, Boston. Price, one dollar a year;  
single copies thirty-five cents.

# A. H. MATZ & CO.,

.. Merchant Tailors ..

347 COLUMBUS AVENUE.

FALL AND WINTER OPENING.

Suits, to order, \$25 up.

Trousers, to order, \$7 up.

Dress Suits, Silk Lined, to order,  
**\$40 up.**

A Liberal Discount to Students.

ALL GOODS REQUIRED BY  
STUDENTS AT

## Maclachlan's,

214 Clarendon Street.

Drawing Instruments and Materials, etc.  
Fountain Pens, Text Books.

# *Elmer Chickering,*

The Leading Photographer.

SPECIAL RATES TO STUDENTS.



## J. C. LITTLEFIELD,

Tailor and Outfitter,

21, 23 Beacon Street.  
Boston.

I can offer you a larger and more complete assortment than can be seen elsewhere, and at lower prices for the same qualities. Look in and examine my prices before placing your order.

Golf Breeches, Riding Breeches, and Dress Suits a Specialty.

DISCOUNT TO STUDENTS.

## Geo. H. Greenwood,

9 & 11 Boylston Street.

DIRECT IMPORTER OF MEER-  
CHAUM AND BRIAR PIPES  
SMOKERS' ARTICLES AT THE  
LOWEST PRICES

MEMBER OF THE CO-OP.

THERE is not a photographer in New England who has been more successful than Elmer Chickering, No. 21 West Street, and people who desire to have first-class photographs taken of themselves, or of their friends, should go to this gallery. His success in the business is wonderful. His pictures are admitted to be exact reproductions of the subject, and are remarkable for their clearness and fidelity in detail. Among his patrons are the leading citizens of the United States, including presidents, governors, mayors and others prominent in official lines, the highest military officers, the most prominent opera singers, the leading actors and actresses. Far and near his pictures are known. In Europe as well as America they are highly admired. Mr. Chickering is a host in himself, but with good judgment he has surrounded himself with a corps of operators and assistants in his operating rooms who have no superiors, while in his office is to be found young lady attendants who thoroughly understand how to please patrons, and by their uniform courtesies add much to the popularity of "Chickering Studio."