

# THE TECH

TECHNOLOGY CHRISTIAN ASSOCIATION SPECIAL

VOL. XXXV. NO. 32.

BOSTON, MASS., MONDAY, OCTOBER 25, 1915

PRICE THREE CENTS.

## CROSS COUNTRY TEAM DEFEATED BY HARVARD

Captain R. G. Brown Of Tech Finishes First—Leads By Sixty Yards.

The Technology Cross Country team was defeated by Harvard last Saturday in a six and an eighth mile run over the Belmont course, 27 to 39. Three of the first five men to finish were of the Institute team but Harvard got the next seven places.

At the start, Fuller of Harvard jumped into the lead and held it until headed off by Captain R. G. Brown of M. I. T. Brown took things easy at first but gradually came up to the front and finished a hundred yards ahead of Fuller, who was second. The run was a practice one, the unofficial time for the leaders being: Brown, 34:17; Fuller, 34:52; and Guething of Tech 35:57.

The order at the finish was as follows: Capt. Brown, Technology; Fuller, Harvard; Guething, Technology; King, Harvard; MacVickar, Technology; Bancroft, Harvard; Whitehouse, Harvard; Twitchell, Harvard; Boyd, Harvard; North, Harvard; Cook, Harvard; Bechtel, Harvard; Wall, Technology; Hughes, Harvard; Davidson, Harvard; Babcock, Harvard; Parker, Technology; Dodge, Technology; Merriam, Harvard; Moorehead, Harvard.

The next time the two teams meet will be at the intercollegiates on November 20.

Technology was hampered by the absence of Graff, who through a misunderstanding arrived at the course an hour late, and Bradley, who was unable to run.

## GRADUATE RECEPTION

President And Faculty To Act As Hosts.

The graduate students in the Institute will be welcomed on the evening of Thursday, November 4 at a reception in Rogers Building at 8.00 o'clock. President Maclaurin and the members of the Technology Faculty will be the hosts for the evening.

There will be a brief address in Huntington Hall on "The Spirit of a Profession" by Professor James Hardy Ropes of Harvard University, after which the reception will be held. Refreshments will be served in the general library. All of the graduate students in the Institute have been invited to the reception, which will be strictly informal.

## FALL HANDICAP

The Track Management has announced that the Annual Fall Handicap Meet will be held next Saturday, October 30, on the New Field. Men from all classes are allowed to compete.

## "CHARACTER FIRST" VERDICT OF AMERICAN ENGINEERS

Character Building the Prime Object of the Technology Christian Association—How Results Are Accomplished.

RECENTLY THE CARNEGIE FOUNDATION SENT OUT A QUESTIONNAIRE TO THE MEMBERS OF ENGINEERING SOCIETIES OF THE COUNTRY FOR THE PURPOSE OF TESTING THE EFFICIENCY OF ENGINEERING SCHOOLS. IN THE "ABSTRACT OF THE SUMMARY" OF THE REPLIES OF 1490 MEMBERS "EIGHTEEN FUN-



H. E. SCHABACKER, '16.  
President T. C. A.

DAMENTAL QUALITIES ARE ARRANGED IN THE ORDER OF THEIR IMPORTANCE AS FACTORS OF SUCCESS IN ENGINEERING." THAT "CHARACTER" HEADS THIS LIST IS SIGNIFICANT OF THE IMPORTANCE THAT THE MODERN WORLD IS PLACING ON THIS QUALITY, THE DEVELOPMENT OF WHICH IS THE BUSINESS OF THE TECHNOLOGY CHRISTIAN ASSOCIATION. THE FURTHER VERDICT OF THESE MEMBERS, THAT, IN THE DEVELOPMENT OF CHARACTER, THESE ENGINEERING SCHOOLS WERE FAR BELOW PAR IS EVIDENCE

## HARVARD SECOND WINS

The freshmen were able last Friday to hold the Harvard Second team to the score of 21 to 0. In the first quarter the teams seemed to be well matched, but in the second quarter the Harvard men pushed over two touchdowns. The touchdown in the third quarter was the result of a successful forward pass.

OF THE VITAL NECESSITY OF HAVING AT TECHNOLOGY AN ORGANIZATION LIKE THE CHRISTIAN ASSOCIATION, DEVOTED TO CHARACTER BUILDING.

In fulfilling its purpose, the T. C. A., as it is familiarly known about the Institute, has no narrow views or limited field of activity. The non-sectarian character of the Association is avowed in its object as it appears on its membership application cards. It seeks "to unite all men of the Institute who desire the moral and religious welfare of the student body, for the purpose of promoting among them Christian principles of thought and action." Members of other religious societies are included in its membership and it freely cooperates with these societies, as well as with the nearby churches. Students are enlisted as workers for various kinds of social welfare organizations. Every member of the Institute, whether member or not, is considered within its field of service.

As a matter of actual fact, the All-Institute character of the T. C. A. is of recent attainment. The membership has grown from 19 in 1911-12 to 500 in 1914-15 with the promise of a corresponding increase the present year. It was only four years ago that the popular Thursday T. C. A. Talks in the Union were started,—talks by prominent men, which have had a large influence in broadening the outlook and elevating the ideals of "Tech" men. The Freshmen Advisory System was inaugurated about the same time, to give every freshman much-needed assistance during his first days at the Institute. Each year has seen the system more nearly perfected, so that the one hundred upper-classmen engaged at present in this service are pledged to render any needful service throughout the year, such as giving occasional tutoring and friendly advice.

The publication this year of 2100 copies of the M. I. T. Handbook, pop-

(Continued on Page Eight)

## SOPHOMORE FOOTBALL

Last Saturday afternoon, the Sophomore football team played a tie game with Lowell Textile School at Lowell, the score being 7-7. Roten made the touchdown for 1918 and Gleason kicked the goal. Only eighteen men are out at present and Manager Milliken urges more men to come out before it is too late in the season.

## SENIOR CLASS ELECTS FARTHING PRESIDENT

Juniors Choose Brooks—Sophomores J. W. Clarkson, At Last Friday's Election.

A record vote was polled at the elections of the three upper classes held last Friday, the Senior Class casting 158 votes, the Junior 169, and the Sophomore 189. The elections were less close than they have been in past years, as most of the winning candidates received an ample majority.

(Continued on Page Three)

## FINANCE CAMPAIGN

Five Hundred Dollar Budget To Be Raised.

On Tuesday, Wednesday and Thursday of this week the Technology Christian Association will devote its energies to canvassing the student body to raise the five hundred dollars estimated to be the amount needed to carry on the work for the year. About one hundred men have been secured to solicit subscriptions, following the plan used by N. E. Kimball, treasurer last year, when \$300 was raised in three days. F. B. Hastie, treasurer for this year, has a more complete organization than was possible then and this, with the better understanding among the students of the useful activities of the Association, will, he hopes, enable him to secure the increased amount made necessary by the growth of the organization and its widened scope of

(Continued on Page Four)

## CHEMICAL SOCIETY

The meeting of the Chemical Society which was to have been held on Monday evening, October 25, has been postponed until Friday, October 29. Particulars will be announced later.

## CALENDAR

Monday, Oct. 25, 1915.

1.00—Seat Sale for Tech Night. Window outside General Library in Rogers.

4.00—1918 Tug-of-War. Oval.

4.00—1919 Tug-of-War. Gym.

4.30—Gym Team Practice. Gym.

5.00—Tech Show Writers Meet. Union.

Tuesday, Oct. 25, 1915.

1.00—Seat Sale for Tech. Night. Window outside General Library in Rogers.

4.00—1918 Tug-of-War. Oval.

4.00—1919 Tug-of-War. Gym.

4.30—Gym Team Practice. Gym.

4.30—Mandolin Club. Union.

5.00—"Technology Orchestra" Meeting. Union.

**Tech Barber Shop**  
 22 HUNTINGTON AVE.  
 UP ONE FLIGHT  
 Tailoring Done Next Door.

**FOOTBALL TICKETS FOR INSTITUTE STUDENTS**

**Agreement With Harvard Gives Privilege Of Applying For Tickets.**

Technology students in courses I, II, III, VI, and XI, have the right to apply for tickets for the Harvard football games. Applications of Technology students are considered with those of the members of the professional and graduate schools at Harvard, and very good seats may be obtained.

Single seat applications receive the first attention, two seat applications coming next, and four seat applications being considered last. For the Princeton and Brown games students may apply for from one to four seats, but only one and two seat applications for the Yale game are allowed. Those wishing to sit together must inclose their applications together.

Applications must be made at the Harvard Athletic Association, whose office is in the Harvard Union in Cambridge, a few minutes walk from Harvard square. A signature card must be filed at the H. A. A. office before any applications will be honored. Applications for the Princeton game, which is to be played at Princeton on November 6, close today at 6 p. m. The price of tickets is \$2 and the special rate return-trip fare is \$7.75. The applications for the Brown game, November 13, close on October 29, and for the Yale game, on November 4. Both these games are to be played in the Stadium, and the price of tickets is \$2 for the Yale game, and \$1.50 for the Brown game.

Tickets for the Cornell game, tomorrow, and the Penn. State game, October 30, may be obtained at the gate.

Students applying for tickets for the Yale game must promise to use one of them personally or return the tickets. Any student violating this rule, or attempting to sell tickets for a premium may be "blacklisted," and his applications will be thereafter refused. Yale and Princeton men attending M. I. T., should apply to their own managements for the game with their universities.

**SCHRYVER'S  
 SECAR STORE**  
 44 School Street  
 Originators of the Class Pipe  
 AGENTS FOR  
**B. B. B., G. B. D., COMOY  
 and S. S. S.**  
 London Made French Briar Pipes  
 10% Discount to Tech Students

**Collins & Fairbanks Co.**

**Young Men's  
 Hats, Coats, Caps, Gloves**

**383 Washington St., Boston**

**ATTENTION, TECH MEN!**

We offer our best photographs to members of all classes at M. I. T. at Senior Class rates.

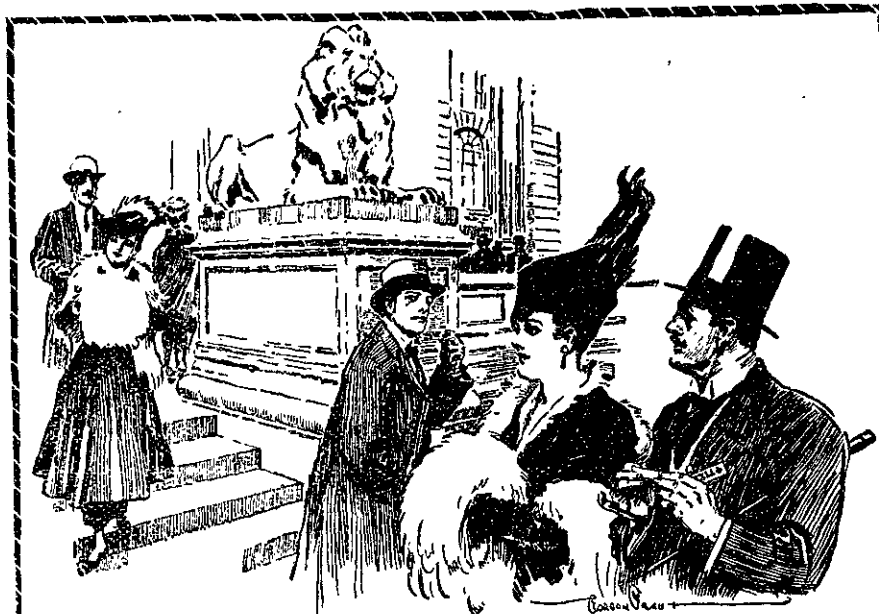
Make your appointments early and have your pictures for the holidays.

**Notman Photographic Co.**

Phone Haymarket 1861

3 PARK STREET

FRATERNITY GROUPS AT LOWEST PRICES



**Roll Your Favorite Tobacco in  
 Riz La Croix Paper**

and you will get a better flavor, relish and enjoyment from your cigarette than ever before. Because you will get *only* the pure, fresh fragrance of the *tobacco*—which explains the universal preference for Riz La Croix Papers among smokers of experience.

**RIZ LA CROIX**

(Pronounced: REE-LAH-KROY)

FAMOUS CIGARETTE PAPERS

They are so pure, light and thin—their combustion is so perfect—that there is absolutely no taste of paper in the smoke.

They are strong, do not burst in rolling, and are naturally adhesive, because made from the best flax linen. Entirely pure and healthful, because exclusively a vegetable product.



5c

FREE

Two interesting, illustrated Booklets—one about RIZ LA CROIX Cigarette Papers, the other showing how to "Roll Your Own" cigarettes—sent anywhere in U.S. on request. Address The American Tobacco Co., Room 1401, 111 Fifth Ave., N.Y.

**TECH UNION BARBER SHOP**

Located at the

**Hotel Westminster**

Handy to the Institute. Up-to-date, fashionable hair cutting by skillful barbers. The best hygienic and most perfectly ventilated shop in the Back Bay.  
**THE TECH UNION BARBER SHOP**

**UNCALLED-FOR LETTERS**

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

Name	Place of Mailing
Edward Atchinson	Essex St. Sta.
(2) Herbert Best	Manitowoc, Wis., Boulevard, Mass.
Everitt Cobb	Worcester, Mass.
Henry S. Derby	Lawrence, Mass.
Miss Clara Drew	Warrington, Va.
Kimball H. Eldridge	Essex St. Sta.
Percy Ford	South Postal Station
D. Loomis France	New Haven, Ct.
William Haddon	
Harry Jewett	Station A
V. F. Lau	Auburndale
Orie W. Long	Grand Central Station, N. Y.
K. W. MacPherson	B. B. Station
F. W. Maroney	Andover, Mass.
R. Mizutami	
Max von Schrader	Brookline, Mass.
Hadyn Meyers	San Antonio, Texas
Clark O. Tayntor,	New York, N. Y.
Webb C. Patterson	Station A

**CATHOLIC CLUB**

(Continued from Page Three)

At Cambridge, he continued, there will arise a new and greater opportunity for self-government. The feeling of home-life, so markedly absent in the present location of the Institute, will change the entire relation of students to one another. Each must acknowledge an individual responsibility for maintaining law and order. The dormitories will be in charge of student committees, and the proctors of the buildings will have but nominal powers. The speaker's conclusion was an earnest wish for the continued success of the policy of student self-government. The Dean's address was followed by that of Bursar H. S. Ford. In his short talk he reminded the students to prepare as well as possible for an efficient career.

When the Bursar had concluded, Dr. R. J. Wiseman, a graduate student, was introduced and told of the wonderful development of the club in the eight years of his membership, and enumerated the advantages of the club. He touched on the necessity to a student of influences to draw him away from the danger of over-specializing. Dr. Wiseman introduced to his audience Dr. Carney, a Yale graduate and an honorary member of the club, who has been interested and active in its affairs for many years.

At a business meeting which followed the addresses three officers were elected: McLaughlin, a Sophomore, was chosen assistant treasurer; Hughes was made freshman member of the Executive Committee; and Ryan was elected secretary to fill the vacancy created by the separation of that office from the treasurership. The date set for the next meeting was Wednesday, Nov. 10th.

# THE TECH

TECHNOLOGY CHRISTIAN ASSOCIATION SPECIAL

VOL. XXXV. NO. 32.

BOSTON, MASS., MONDAY, OCTOBER 25, 1915

PRICE THREE CENTS.

## CROSS COUNTRY TEAM DEFEATED BY HARVARD

Captain R. G. Brown Of Tech Finishes First—Leads By Sixty Yards.

The Technology Cross Country team was defeated by Harvard last Saturday in a six and an eighth mile run over the Belmont course, 27 to 39. Three of the first five men to finish were of the Institute team but Harvard got the next seven places.

At the start, Fuller of Harvard jumped into the lead and held it until headed off by Captain R. G. Brown of M. I. T. Brown took things easy at first but gradually came up to the front and finished a hundred yards ahead of Fuller, who was second. The run was a practice one, the unofficial time for the leaders being: Brown, 34:17; Fuller, 34:52; and Guething of Tech 35:57.

The order at the finish was as follows: Capt. Brown, Technology; Fuller, Harvard; Guething, Technology; King, Harvard; MacVickar, Technology; Bancroft, Harvard; Whitehouse, Harvard; Twitchell, Harvard; Boyd, Harvard; North, Harvard; Cook, Harvard; Bechtel, Harvard; Wall, Technology; Hughes, Harvard; Davidson, Harvard; Babcock, Harvard; Parker, Technology; Dodge, Technology; Merriam, Harvard; Moorehead, Harvard.

The next time the two teams meet will be at the intercollegiates on November 20.

Technology was hampered by the absence of Graff, who through a misunderstanding arrived at the course an hour late, and Bradley, who was unable to run.

## GRADUATE RECEPTION

President And Faculty To Act As Hosts.

The graduate students in the Institute will be welcomed on the evening of Thursday, November 4 at a reception in Rogers Building at 8.00 o'clock. President Maclaurin and the members of the Technology Faculty will be the hosts for the evening.

There will be a brief address in Huntington Hall on "The Spirit of a Profession" by Professor James Hardy Ropes of Harvard University, after which the reception will be held. Refreshments will be served in the general library. All of the graduate students in the Institute have been invited to the reception, which will be strictly informal.

## FALL HANDICAP

The Track Management has announced that the Annual Fall Handicap Meet will be held next Saturday, October 30, on the New Field. Men from all classes are allowed to compete.

## "CHARACTER FIRST" VERDICT OF AMERICAN ENGINEERS

Character Building the Prime Object of the Technology Christian Association—How Results Are Accomplished.

RECENTLY THE CARNEGIE FOUNDATION SENT OUT A QUESTIONNAIRE TO THE MEMBERS OF ENGINEERING SOCIETIES OF THE COUNTRY FOR THE PURPOSE OF TESTING THE EFFICIENCY OF ENGINEERING SCHOOLS. IN THE "ABSTRACT OF THE SUMMARY" OF THE REPLIES OF 1490 MEMBERS "EIGHTEEN FUN-



H. E. SCHABACKER, '16.  
President T. C. A.

DAMENTAL QUALITIES ARE ARRANGED IN THE ORDER OF THEIR IMPORTANCE AS FACTORS OF SUCCESS IN ENGINEERING." THAT "CHARACTER" HEADS THIS LIST IS SIGNIFICANT OF THE IMPORTANCE THAT THE MODERN WORLD IS PLACING ON THIS QUALITY, THE DEVELOPMENT OF WHICH IS THE BUSINESS OF THE TECHNOLOGY CHRISTIAN ASSOCIATION. THE FURTHER VERDICT OF THESE MEMBERS, THAT, IN THE DEVELOPMENT OF CHARACTER, THESE ENGINEERING SCHOOLS WERE FAR BELOW PAR IS EVIDENCE

## HARVARD SECOND WINS

The freshmen were able last Friday to hold the Harvard Second team to the score of 21 to 0. In the first quarter the teams seemed to be well matched, but in the second quarter the Harvard men pushed over two touchdowns. The touchdown in the third quarter was the result of a successful forward pass.

OF THE VITAL NECESSITY OF HAVING AT TECHNOLOGY AN ORGANIZATION LIKE THE CHRISTIAN ASSOCIATION, DEVOTED TO CHARACTER BUILDING.

In fulfilling its purpose, the T. C. A., as it is familiarly known about the Institute, has no narrow views or limited field of activity. The non-sectarian character of the Association is avowed in its object as it appears on its membership application cards. It seeks "to unite all men of the Institute who desire the moral and religious welfare of the student body, for the purpose of promoting among them Christian principles of thought and action." Members of other religious societies are included in its membership and it freely cooperates with these societies, as well as with the nearby churches. Students are enlisted as workers for various kinds of social welfare organizations. Every man at the Institute, whether member or not, is considered within its field of service.

As a matter of actual fact, the All-Institute character of the T. C. A. is of recent attainment. The membership has grown from 19 in 1911-12 to 500 in 1914-15 with the promise of a corresponding increase the present year. It was only four years ago that the popular Thursday T. C. A. Talks in the Union were started,—talks by prominent men, which have had a large influence in broadening the outlook and elevating the ideals of "Tech" men. The Freshmen Advisory System was inaugurated about the same time, to give every freshman much-needed assistance during his first days at the Institute. Each year has seen the system more nearly perfected, so that the one hundred upper-classmen engaged at present in this service are pledged to render any needful service throughout the year, such as giving occasional tutoring and friendly advice.

The publication this year of 2100 copies of the M. I. T. Handbook, popular (Continued on Page Eight)

## SOPHOMORE FOOTBALL

Last Saturday afternoon, the Sophomore football team played a tie game with Lowell Textile School at Lowell, the score being 7-7. Roten made the touchdown for 1918 and Gleason kicked the goal. Only eighteen men are out at present and Manager Milliken urges more men to come out before it is too late in the season.

## SENIOR CLASS ELECTS FARTHING PRESIDENT

Juniors Choose Brooks—Sophomores J. W. Clarkson, At Last Friday's Election.

A record vote was polled at the elections of the three upper classes held last Friday, the Senior Class casting 158 votes, the Junior 169, and the Sophomore 189. The elections were less close than they have been in past years, as most of the winning candidates received an ample majority.

(Continued on Page Three)

## FINANCE CAMPAIGN

Five Hundred Dollar Budget To Be Raised.

On Tuesday, Wednesday and Thursday of this week the Technology Christian Association will devote its energies to canvassing the student body to raise the five hundred dollars estimated to be the amount needed to carry on the work for the year. About one hundred men have been secured to solicit subscriptions, following the plan used by N. E. Kimball, treasurer last year, when \$300 was raised in three days. F. B. Hastie, treasurer for this year, has a more complete organization than was possible then and this, with the better understanding among the students of the useful activities of the Association, will, he hopes, enable him to secure the increased amount made necessary by the growth of the organization and its widened scope of

(Continued on Page Four)

## CHEMICAL SOCIETY

The meeting of the Chemical Society which was to have been held on Monday evening, October 25, has been postponed until Friday, October 29. Particulars will be announced later.

## CALENDAR

Monday, Oct. 25, 1915.

1.00—Seat Sale for Tech Night. Window outside General Library in Rogers.

4.00—1918 Tug-of-War. Oval.  
4.00—1919 Tug-of-War. Gym.  
4.30—Gym Team Practice. Gym.  
5.00—Tech Show Writers Meet. Union.

Tuesday, Oct. 25, 1915.

1.00—Seat Sale for Tech. Night. Window outside General Library in Rogers.

4.00—1918 Tug-of-War. Oval.  
4.00—1919 Tug-of-War. Gym.  
4.30—Gym Team Practice. Gym.  
4.30—Mandolin Club. Union.  
5.00—"Technology Orchestra" Meeting. Union.

# THE TECH

Entered as second-class matter, Sept. 16, 1911, at the postoffice at Boston, Mass., under the act of Congress of March 3, 1879.  
Published tri-weekly during the college year by students of the Massachusetts Institute of Technology.

Office 42 Trinity Place.  
Phone—Back Bay 5527 or 2180.  
Night Phone—Back Bay 5527.

### MANAGING BOARD.

H. P. Claussen, '16....General Manager  
E. F. Hewins, '16 ..... Editor-in-Chief  
H. E. Lobdell, '17.....Managing Editor  
B. F. Dodge, '17...Advertising Manager  
F. W. Dodson, '17....Circulation Manager  
R. J. Cook, '17 .....Treasurer

### NEWS BOARD

D. E. Bell, '17.....Sporting Editor  
F. A. Stearns '17 .....Institute Editor  
A. R. Brooks, '17.....Societies Editor

### IN CHARGE OF ISSUES

E. W. Rounds, '17 ..... A. H. Wenzel, '17  
W. F. Johnson, '17

### ASSOCIATE EDITORS

A. P. Sullivan, '17 ..... R. E. MacDonald, '17  
J. W. Damon, '18 ..... B. A. Thresher, '18

### NEWS STAFF

M. A. E. Eales, '18 ..... A. N. Pray, '18

### OFFICE HOURS.

(Daily except Saturday)

General Manager .....5.00 to 6.00 P. M.  
Editor-in-Chief .....5.00 to 6.00 P. M.  
Managing Editor .....1.00 to 1.30 P. M.  
Advertising Manager .....5.00 to 5.30 P. M.  
Treasurer .....5.00 to 6.00 P. M.

Subscriptions, \$1.50 per year in advance. Single copies, 3 cents.

Subscriptions within the Boston Postal District, and outside of the United States must be accompanied by postage at the rate of one cent a copy.

MONDAY, OCTOBER 25, 1915.

To "Bull" Farthing has been entrusted the direction of undergraduate affairs for a year that is to be one of the most critical in the history of Technology—a year of transition. His office offers splendid opportunities and there should be no doubt in the minds of those who heard his simple, straight-forward, sincere words Friday night that he will "do his best." It now remains for the Senior Class, no matter whom the various members may have voted for, to "do their best" in co-operating with their President.

The mass meeting for the announcement of election results indi-

cated that Technology spirit is coming to its own. The vim with which the undergraduates gave their class yells, and with which they sang the Stein Song on Rogers steps before dispersing, will bring the realization that attendance at a student gathering means a rousing good time. Duty becomes pleasure under such spontaneous enthusiasm as was exhibited at Friday's meeting.

### A COOPERATING ACTIVITY.

The Technology Christian Association occupies a somewhat unique position among Institute activities, in that it is a cooperating rather than competing organization. This idea was forcibly brought out by the Dean in a recent interview, when he remarked, "Even if a man holds all the offices allowed by the point system, he still has a little time left to help others. The T. C. A. can take good care of his spare moments."

The desire to help others is characteristic of the true Technology man; and the T. C. A., through its organization, offers the best opportunity for the efficient expenditure of effort in this direction. It accomplishes all its work by demanding an hour a week from each of its volunteers,—time which does not interfere at all with the more exacting activities. Thus it includes in its committees members of the Musical Clubs, Tech Show, athletic teams, the Editors-in-Chief of two publications, the Manager of the Wrestling Team, and many others prominent in student affairs. By assembling these men, it serves to unite the activities on a common ground of service, and is enabled to cooperate with all of them to assist in the realization of their several objects.

### T. C. A. BOYS' WORK

#### Men Needed To Conduct Boys' Activities.

The Boys' Work branch of the T. C. A. is composed of students interested in the leadership of boys' clubs and societies. These men volunteer to conduct classes of an educational, social or religious nature.

(Continued on Page Six)

### "CHARACTER FIRST."

Of particular interest to Technology men should be the summary of the replies to letters sent out by the Carnegie Foundation to all the Engineering Societies of America. In column I of the following table the eighteen fundamental factors that make for success in engineering are arranged in order of the engineers' opinions of the present efficiency of technical schools in these particulars. In column II these same factors are arranged in the order of the engineers' opinions of their importance as factors of success in engineering.

- |                            |                            |
|----------------------------|----------------------------|
| 1. Technical knowledge.    | 1. Character.              |
| 2. Scientific attitude.    | 2. Self reliance.          |
| 3. Ambition, enthusiasm.   | 3. Understanding of men.   |
| 4. Self reliance.          | 4. Engineering spirit.     |
| 5. Industry                | 5. Independence.           |
| 6. Character.              | 6. Judgment.               |
| 7. Efficiency              | 7. Industry                |
| 8. Physique.               | 8. Technical knowledge.    |
| 9. Engineering Spirit.     | 9. Scientific attitude.    |
| 10. Independence.          | 10. Accuracy.              |
| 11. Humility, patience.    | 11. Efficiency.            |
| 12. Accuracy.              | 12. Business sense.        |
| 13. Judgment.              | 13. Breadth of view.       |
| 14. Understanding of men.  | 14. Ambition, enthusiasm.  |
| 15. Breadth of view.       | 15. Power of expression.   |
| 16. Power of expression.   | 16. Humility, patience.    |
| 17. Application of theory. | 17. Application of theory. |
| 18. Business sense.        | 18. Physique.              |

It is intensely significant that the T. C. A. is most efficient in the first three factors named in the second list. Unconsciously the engineers of America have voiced the opinion that the T. C. A. is of prime importance at the Institute.



SOME men change their tobacco brands as regular as a woman changes her mind. An' others smoke VELVET.

*Velvet Joe*

### BACK BAY BRANCH

## State Street Trust Co.

130 MASSACHUSETTS AVENUE, BOSTON

SAFE DEPOSIT VAULTS

Credits Interest Monthly on Accounts of \$300 and Over

MAIN OFFICE, 33 STATE STREET

## Tech Students

Can be Clothed to their Complete Satisfaction by

## Macular Parker Company

400 Washington Street, Boston

Fall and Winter Suits  
Overgarments, Furnishing Goods and Hats

ARE NOW ON VIEW

A homelike, first-class hotel, proud of New England traditions, dating from Gen. Warren, yet newly furnished with every comfort & convenience

**THE AMERICAN HOUSE**  
100 THE TRINITY PLACE BOSTON

Long distance phone and hot and cold water in every room. Kept constantly clean by our vacuum plant. Rooms \$1.00 a day and up.



## Students' Clothes

J. C. LITTLEFIELD

High Class Tailor

12 BEACON STREET

Evening Clothes a Specialty

**NEW T. C. A. ACTIVITY INTERESTS FRESHMEN**

**One Hundred Sixty Enlist In Freshman Discussion Groups.**

How does the college foreshadow the future? What is the value of college traditions? How far can the student's biography be written from his cash account? Should college functions be "wet" or "dry"? What is the secret for finding time for everything in college? Has one a right to criticize a church in which he takes no share of responsibility? Why do students in your college vote for a particular candidate? What is the difference in seeking an honor and seeking to be worthy of it? What are the possibilities of comradeship between men and women? Does it make any difference what our cause is, so long as we are loyal to it? What is the relation of the student initiative to the college ideal? These are some of the questions picked at random from the book, "Student Standards of Action," that will be used in the T. C. A. Freshman Discussion Groups. The questions are discussed by the authors on the

(Continued on Page Six)

**FOREIGNERS TAUGHT**

**Students Give Classes In English.**

Eight students are now engaged in teaching English to foreigners in Cambridge not far from the New Technology. The work is among the Lithuanians and done under the auspices of the Cambridge Y. M. C. A. Each man gives two hours one night a week. The foreigners are very appreciative of this service and the teacher has the compensation of experience in dealing with the kind of men with whom he will eventually have to do. Work of this sort was started by the Industrial Department of the Y. M. C. A. seven years ago and at the present time there are more than three thousand students engaged in this work coming in contact with fifty thousand men. Sheffield Scientific School has been a pioneer in work for foreigners and has a very large number of students engaged in this service. More men are needed and those interested should report to F. S. Ford, '17, or call at the T. C. A. office in Room 5, Eng. B.

**TECHNOLOGY ORCHESTRA**

Tomorrow afternoon at 5.00 o'clock there will be a meeting in the Union of those interested in founding a permanent orchestra.

**CLASS ELECTIONS**

(Continued from Page One)

The results for the three classes are as follows:

**SENIOR CLASS:** President, W. J. Farthing of Houston, Texas; Vice-president, T. F. McSweeney of Framingham; Secretary, D. B. Webster of Malden; Treasurer, C. W. Lawrance of Auburndale; Institute Committee, J. M. Evans of Paterson, New Jersey, K. M. Sully of Santa Rita, New



W. J. FARTHING, '16.  
Senior President.

Mexico; Athletic Association, K. Dean of Brookline and C. W. Loomis of Boston; Executive Committee, G. R. Duryea of Springfield and B. Stetson of Dorchester.

**JUNIOR CLASS:** President, E. P. Brooks of Westbrook, Maine; Vice-president, P. N. Cristal of Bowling Green, Kentucky; Secretary, W. A. Wood, of Concord; Treasurer, H. P. Gardner of Cambridge; Institute Com-

(Continued on Page Four)

**FACULTY NOTICES**

Fourth Year Students have been notified in regard to their deficiencies below the fourth year. Anyone who expects to be a candidate for graduation in June, 1916, who has not received such a notice should consult Professor Merrill, the Secretary, at the earliest opportunity.

The exercises of the Institute will be suspended on Friday, November 5th, after 12.00 o'clock noon for Field Day.

**WATCH YOUR STEP WITH MRS. VERNON CASTLE ON TECH NIGHT AFTER FIELD DAY AT THE COLONIAL—SEATS TODAY IN ROGERS.**

**LOOK!**  
**See Who Is Here**  
**FRIDAY, OCT. 29**  
**Take The Bull By The Horns!**  
**ORDER YOUR WINTER CLOTHES THIS FRIDAY**

Our representative will be at the Lower Tech Office with sample showing of everything we carry in our New York Store. All our different models, Samples of all our fabrics. A wonderful variety. Prices same as in New York

**ROGERS PEET CO.**  
 Young Men's Outfitters - New York  
**THE TALBOT COMPANY, Boston Representatives**  
 395 WASHINGTON STREET

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

A SINGLE BANK WITH THREE OFFICES IN DIFFERENT SECTIONS OF BOSTON

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

**McMORROW**  
**College Shoes for College Men**  
 238 WASHINGTON STREET, BOSTON, MASS.  
 OPPOSITE THOMPSON'S SPA

**Tech Union Dining Rooms**  
 42 Trinity Place

SERVICE:  
**A la Carte**  
**Table d'Hote**  
**Cafeteria**

**CARL A. ZAHN**

Barbering Manicuring  
 Chiropody

Razors, Brushes, Perfumery  
 Haberdashery

**THE PLAZA COPLEY PLAZA**  
 New York Boston.

**GREENBRIER**  
 White Sulphur Springs, West Virginia.

**FINANCIAL CAMPAIGN**  
(Continued from Page One)

activities. The collections in each course are organized under a chairman, with from three to twenty committeemen, depending on the size of the course. Each of these collectors have a certain number of men to see.

The Christian Association has no membership dues for two reasons: First, because all are not able to contribute in equal amounts, and second, because the work done is for all the men of the Institute regardless of whether they are members or not. Members who contribute one dollar or more are entitled to a ticket giving regular membership privileges at the B. Y. M. C. A., and the B. Y. M. C. U., and the right to purchase such additional privileges as they desire.

The typical subscription in last year's campaign was one dollar, and ranged all the way from twenty-five cents to ten dollars. The average subscription amounted to a little more than one dollar.

**RIFLE CLUB**

**Two Trips This Week—Score-books At Armory.**

This week the Rifle Club will make two trips to the Range at Walnut Hill, one Wednesday and the other Saturday. A list will be posted as usual on the Union Bulletin board. W. J. Bickford, '18, made the highest score this season Saturday when he secured eight bullseyes, a four and a three for a total of 47 at 500 yards.

President Keating has left a number of score books given to the club by the U. S. Cartridge Company, at the Armory. Members can obtain these free of charge by signing with the armorer for them.

**PROMINENT SPEAKERS**

**Thursday Noon Talks By Men Of National Note.**

Boston, as a center from which much of the original thinking in America has radiated, is particularly well situated to secure the broadest men in America. The speakers who have thus far appeared before the students this year are Dr. A. Z. Conrad of the Park St. Congregational church; Mr. Edwin Mulready, State Commissioner of Labor and Industries; Dr. Peter Roberts, Secretary in the International Y. M. C. A. office in New York City; the Rt. Rev. William Lawrence, Bishop of Massachusetts. Among the tentative speakers are Mr. Chas. D. Hurrey, General Secretary of the Committee on Friendly Relations Among Foreign Students; Rabbi Levi of Boston; Mr. A. Lincoln Filene of Wm. Filene's Sons Co.; Dr. Geo. A. Gordon of the New Old South Congregational church; and Rev. Henry Roe Cloud of the Roe Indian Institute in Kansas.

**WATCH YOUR STEP WITH MRS. VERNON CASTLE ON TECH NIGHT AFTER FIELD DAY AT THE COLONIAL—SEATS TODAY IN ROGERS.**

**CLASS ELECTIONS**  
(Continued from Page Three)

mittee, W. Harrington of Plainfield, New Jersey, and J. S. O'Brien of Winthrop; Athletic Association, J. W. Doon of Natick and P. E. Hulburd



**E. P. BROOKS, '17.**  
Junior President.

of Boston; Executive Committee, F. V. duPont of Wilmington, Delaware, and A. E. Moody of Golden, Colorado.

**SOPHOMORE CLASS:** President, J. W. Clarkson of Newburyport; Vice-president, J. T. Leonard of Boston; Secretary, J. C. Wooten of Columbia, Tennessee; Treasurer, K. Reid of Dorchester; Institute Committee, O. C. Lorenz of Scranton, Pennsylvania, and O. D. Burton of Asbury Park, New Jersey; Athletic Association, J. M. Avery of Framingham and C. R. Tutein of Winchester; Executive Committee, F. R. White, Jr., of Hartford, Connecticut, and J. De G. May of Brooklyn, New York.

**Room Decorations**

**HEAVY FELT**

**Banners-Pennants**

Gothic or Old English Lettering

**A. D. MACLACHLAN**



an **"GOTHIC"**  
**ARROW**  
**COLLAR**

**FRONT FITS CRAVAT KNOT PERFECTLY. 2 for 25c**  
CLUETT, PEABODY & CO., INC., MAKERS

**L. PINKOS**  
**College Tailor**

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

**Announces the Twentieth Season Opening of his Fall and Winter Importations**

\*\*\*\*\*

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

*I INVITE YOUR INSPECTION*

\*\*\*\*\*

**L. PINKOS - COLLEGE TAILOR**

**We Make**

**A Neglige Shirt TO MEASURE**

From your own selection of a variety of New Fall Shirts with French cuffs or separate. For ..... **\$3.50 up**

A White Bosom Shirt for Dress or Business. For ..... **\$2.00 up**

**Well tailored and buttonholes hand made**

A neckband that is exactly right, sleeves just the right length, durable, exclusive materials, and the final touch added in our own laundry—these are the distinguishing marks of comfort, and all these you can get in our Custom Made Shirts at the above prices.

**C. F. Hovey Company**

(Men's Shop Directly Inside the Summer Street Door)

**MUSICAL CLUBS PLAN FOR A BUSY SEASON**

Proposed Trip At Mid-Years Will Be Similar To That Of Last Year.

The Combined Musical Clubs, comprising the Glee, Mandolin, and Banjo Clubs are already actively engaged in preparation for what is predicted to be the best season in their history. The preliminary season will open on November 16, when the Clubs will begin their year's work with a concert at the Franklin Square House, this performance being an annual affair. Other concerts already planned are at Wheaton College, Sharon High (Continued on Page Seven)

**ADVISORY BOARD**

Prominent Men Back Of T. C. A. Will Raise \$2500.

The T. C. A. Advisory Board was instituted by Dr. Maclaurin to insure permanence and efficiency in the management of the Association. To accomplish this the employment of a General Secretary to outline and guide the work has been found to be absolutely necessary. The necessity is evidenced by the fact that in the first year of secretarial service (1911) under the direction of the Advisory Board the Association membership was increased from 19 to over 300; this year it will undoubtedly include over one-third of the student body.

Dr. Maclaurin realized that neither the Institute nor the undergraduates could undertake to provide the necessary funds, but that this was a peculiar opportunity for support by every alumnus who has the welfare of the Institute at heart. The Advisory Board therefore accepted the responsibility of raising the necessary funds from the alumni. The budget for the current year is about \$2500 to cover the salary of an experienced general secretary and the incidentals of administration.

The Board as now constituted comprises the following alumni, faculty members and others active in work for young men:

Walter B. Snow, '82, Chairman. Publicity Engineer and former President of Alumni Association.

George B. Haven, '94, Treasurer. Professor of Machine Design.

Alfred E. Burton, Dean, Institute.

Dugald C. Jackson, Professor of Electrical Engineering; in charge of the Department.

William C. Ewing, '97, Civil Engineer, Superintendent of Wells Memorial Institute.

Arthur S. Johnson, President of the Board of the Boston Young Men's Christian Association; Chairman of the Committee for Student Work in Mass. and R. I.

Frank L. Locke, '86. President Boston Young Men's Christian Union, Former President Alumni Association.

F. Nathaniel Perkins, wool merchant and worker among young men at Trinity church.

**WATCH YOUR STEP WITH MRS. VERNON CASTLE ON TECH NIGHT AFTER FIELD DAY AT THE COLONIAL—SEATS TODAY IN ROGERS.**

**HURREY AND ESCOBAR HERE THIS WEEK**

Will Speak At Receptions To Foreign Students—Hurrey Speaks Thursday.

Mr. Chas. Hurrey of New York will be remembered by many students as a speaker last year at the Cosmopolitan Club, and as one of the T. C. A. speakers in the Union. He is now the secretary of the Committee on Friendly Relations among Foreign Students, and is visiting among the foreign students of Harvard, Technology and other schools this week. He is accompanied by Mr. Jose Escobar of Mexico. Mr. Escobar has had some very interesting and thrilling experiences in the revolutions in Mexico and has always been the champion of liberty and justice among his people. During the past three years, he has travelled in the United States visiting colleges and Universities from coast to coast. He is an eloquent speaker and has been enthusiastically received by the Latin American students in most of the universities and colleges.

Mr. Hurrey and Mr. Escobar have been invited to speak at the Cosmopolitan Club on Thursday evening. Mr. Hurrey will give the T. C. A. Talk in the Union Thursday at 1.30, speaking on the subject, "The Demands of Our Times on Technical Men."

Thursday afternoon, the Latin Americans will be entertained at a reception at the home of Prof. C. H. Peabody on Commonwealth avenue. A reception is being tendered to the Chinese students of Boston by the Boston Y. M. C. A. on Friday evening. Mr. Hurrey, Dean Burton and others are to speak. On Saturday, the Japanese students are being entertained at Wellesley Farms at the home of Mrs. Jones.

**ADVISORS TYPIFY "TECHNOLOGY SPIRIT"**

Improved System This Year Reaches More Men Than Ever Before.

This year the freshman advisers were a more active group of men than the T. C. A. has so far secured, and the freshman class has better Institute and class spirit as a direct result. Last spring the T. C. A. selected about one hundred men who were asked to act as freshman advisers. They agreed to the following duties: To correspond with from three to five members of the class of 1919 and answer all questions regarding admission or anything else that the new men might wish to know; to meet them when they arrived in Boston and help with registration and getting rooms; to make them acquainted with other students, both of the same and higher classes; and to help them with their studies whenever the need of tutoring is felt.

**WATCH YOUR STEP WITH MRS. VERNON CASTLE ON TECH NIGHT AFTER FIELD DAY AT THE COLONIAL—SEATS TODAY IN ROGERS.**

**THE "REGENT ST." MODEL**

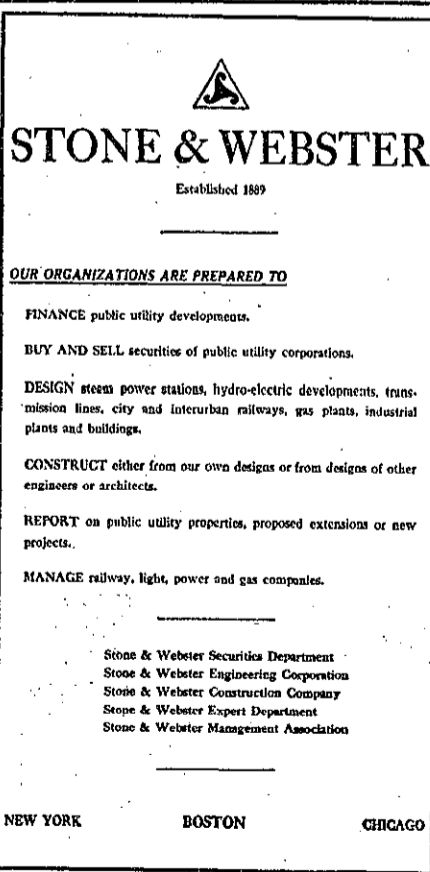
A DOUBLE-BREASTED FORM FITTING COAT, PATCH POCKETS, SMALL SLEEVES, ATHLETIC CUT VEST, NARROW TROUSERS, MADE UP IN DARK OXFORDS AND BLUE TIBETS, READY TO WEAR.

Specially Priced at \$20.00

**S. H. KNOPF**

IMPORTER - TAILOR

125 Summer Street, - Boston, Mass.


**Patronize Our Subscribers**

## WHY SUPPORT THE T. C. A.?

### I. FOR WHAT IT IS.

1. It is an All-Institute organization, whose membership includes any man in the Institute who believes in its practical service object.
2. Its work is not alone for its members but for every student.
3. It is the only organization at the Institute that stands aggressively for the development of character and the promotion of all that is finest and best in Institute life.
4. It has no dues, first, because everyone cannot support it in an equal amount, and second because its work is for all students and all should be given the opportunity to help.

### II. FOR WHAT IT DOES.

1. Organizes and carries on the Freshman Advisory system.
2. Publishes and distributes free to all students and faculty the "Tech Bible."
3. Investigates and publishes an approved boarding house list.
4. Gives reception to New Students.
5. Secures prominent men for T. C. A. Talks in the Union.
6. Carries on the Freshmen Discussion Groups, and also groups for upper-classes for discussion of fundamental problems.
7. Maintains library of helpful books in the General Library.
8. Secures students, in co-operation with the churches, a welcome to these churches and provision for their special needs.
9. It secures membership privileges at the Boston Y. M. C. A. and the B. Y. M. C. U. for its paying members. (\$1.00 or more.)
10. It does practical social service, through an efficient organization of student workers, which Institute men as a whole are in sympathy with but all are not able to do personally.

### III. FOR WHAT OTHERS THINK ABOUT IT.

President Maclaurin.—"The T. C. A. has been steadily broadening the scope of its activities, and is doing a work that greatly needs to be done."  
 Dean Burton.—"The work of the T. C. A. is a most helpful influence in student life."

Professor Sedgwick.—"The T. C. A. stands among us like the church spire of a town, emblematic of strivings after spiritual things."

The Alumni believe in it to the extent of providing the salary and expenses of a general secretary and the expenses of an advisory board.

An Advisory Board believes in it to the extent of putting in valuable time and money in its general direction and support.

The officers of the Institute and the faculty have been loyal supporters and many of them have rendered valuable assistance from time to time.

### IV. BECAUSE IT NEEDS TO RAISE THE FOLLOWING BUDGET:

Social .....	\$60.00	Amount Brought Forward..	\$277.00
Printing .....	50.00	International Y. M. C. A....	10.00
Stenography .....	50.00	Incidentals .....	25.00
Postage .....	60.00	Advisory Board .....	25.00
Speakers .....	10.00	Office equipment in Walker	
Technique .....	10.00	Memorial .....	75.00
Inst. Com. Dues .....	2.00	Conferences .....	25.00
Office supplies .....	25.00	Summer Expenses and Bal-	
State Y. M. C. A. ....	10.00	ance .....	75.00
	\$277.00	Undergraduate Budget ....	\$512.00
		Advisory Board Budget ....	2500.00
			\$3012.00

### T. C. A. ACTIVITY

(Continued from Page Three)

broadest grounds of Christian principles, the book having been compiled from the answers to letters to prominent men and women in all American colleges.

One hundred sixty freshmen have thus far signified their desire to enter the various groups, which are to be conducted during a vacant hour in the mornings. The leaders are upperclassmen who have been prominent in Institute activities and include J. M. DeBell, Editor-in-chief of Technique 1917; D. B. Webster, last year's manager of Track Team, and M. B. Dalton, President of the class of 1915.

### M. E. SOCIETY

There will be a trip to the Chestnut Hill Pumping Station next Saturday, held under the auspices of the Mechanical Engineering Society. For further details see future issue of The Tech.

**WATCH YOUR STEP WITH MRS. VERNON CASTLE ON TECH NIGHT AFTER FIELD DAY AT THE COLONIAL—SEATS TODAY IN ROGERS.**

### GYM TEAM

#### Captain Bliss Hopes To Develop An Excellent Team.

The Gym Team is now holding practice every afternoon at the Gymnasium. To date only about fifteen candidates have reported for practice, many from among this number having had previous experience.

Captain Bliss is anxious to have more men work out, even though they have had no previous training. Work begins at 4.30 p. m. every day, at the Gymnasium.

### T. C. A. BOYS' WORK

(Continued from Page Two)

Last year, the T. C. A. had from ten to fifteen men employed in this manner. Among the many successful classes under the direction of these students, were those in Bible study, sign-painting, amateur photography, gymnastics and Boy Scout work. Another season is now commencing and a good opportunity to gain valuable experience in handling boys is open to volunteers.

**WATCH YOUR STEP WITH MRS. VERNON CASTLE ON TECH NIGHT AFTER FIELD DAY AT THE COLONIAL—SEATS TODAY IN ROGERS.**

This is the place for Tech Boys to buy their Apparel, Furnishings and Room Accessories — the Big Store has the goods

## Jordan Marsh Company



A selected smart style from Chamberlain's comprehensive display of proper hats for every occasion.

- Beaconsfields, \$3.00
- Royal Luxurys, \$4.00
- Revelations, \$2.00

## Chamberlain

THREE STORES  
 637 Washington St., At Boylston  
 659 Washington St., Gaiety Theatre  
 311 Washington St. Opp. Old South Church

# THE TECH

## The Undergraduate Institute Publication

Full of live news and interesting articles concerning current happenings about the "Stute."

Sent to you for the remainder of the school year  
**For \$1.50**

Fill out Coupon and mail it to The Tech, 42 Trinity Place, Boston, Mass.

THE TECH,  
 42 Trinity Place, Boston, Mass.:  
 Dear Sirs:—

Enclosed find one dollar and fifty cents, for which please send me The Tech for the remainder of the school year. (\$2.25 if in Boston Mailing District.)

Name .....

Street .....

City .....

**T. C. A. SECRETARY HAS  
A SUCCESSFUL YEAR**

**Mr. Cushman Had Large Experience In College Association Work In Iowa.**

Mr. A. G. Cushman, General Secretary of the T. C. A., is an Iowan by birth and spent the first part of his life in that state. In 1908, he graduated from Morningside College and immediately started in doing college association work. He spent two years at Highland Park College in Des



MR. A. G. CUSHMAN.

Moines where about one thousand men were actively engaged in the work. He occupied the position of state secretary of Iowa for a year, having direct charge of the work in twenty-five colleges. In 1911, he went to Bates College, Maine, to be general secretary there for three years.

Mr. Cushman came to Technology in 1914. At that time the T. C. A. was in its fourth year. L. R. Talbot had previously been a part time secretary but the need was felt for a man who would devote all his time to the work. Furthermore, the T. C. A. Board wished to put the Association on a firm basis before the Institute moved to Cambridge so that there it could take up the work vigorously. This led to the securing of the services of Mr. Cushman who has carried on the work of the T. C. A. since 1914, giving all his time to it.

**FRATERNITY FORUMS**

**Last Year's Successful Plan To Be Extended.**

The Fraternity Forums held in three fraternities last year proved so eminently satisfactory in these organizations that invitations have been issued to the remaining sixteen to avail themselves of this phase of T. C. A. service. This year it is intended to widen even more the scope of the informal after-dinner talks given under the original plan, by providing expert speakers on any subject of general interest.

Under the present scheme of operation, the fraternity designate the particular topic it desires to have discussed, and then its representative, working in conjunction with the T. C. A. selects the speaker from a list of prominent available men.

**MUSICAL CLUBS  
(Continued from Page Five)**

School, Lynn, and the Winter Concert, the date of the latter being fixed for December 17, the Friday before the Christmas Recess. An all-night trip comes December 7, when a concert is given in New Bedford.

The Clubs are planning a repetition of their mid-year's trip of last year. It will be recalled that on this trip approximately 1500 miles were covered and concerts were given by the Combined Clubs of 40 men at Montclair, N. J., Phila., Pa., Washington, D. C., Butler, Pa., Rochester, New York, Northampton, and Springfield, Mass.

The itinerary of this year's trip varies considerably from that of last year's, although in almost every case the places visited held out offers for a return engagement this year. The men will leave on the last Friday of of exam week by boat to Norfolk, Va., and then go to Baltimore.

There they will take a special Pullman sleeper, which will be their home until Boston is reached on the



W. B. FORD, '17.  
General Manager.

the return. The trip will then carry the men gradually northward, stops being made in Phila., Pa., Montclair, N. J., and New York City, ending probably in Springfield after a concert at or near Albany, N. Y. At the first two mentioned places the popularity of last year's concerts has been testified by the attractive contract under which the Clubs are returning.

The proposed concert at New York City, something never attempted before or since 1910, is regarded with great interest by the alumni in and around the metropolis, as it will not only serve as a criterion of the drawing power of the Musical Clubs, but also will give a good idea of what might be accomplished by the Show, should it undertake the trip too.

After returning from the trip, the men will finish the season with local concerts in and around Boston, ending with the Spring Concert, which will occur as usual as one of the chief Junior Week festivities in the middle of April.

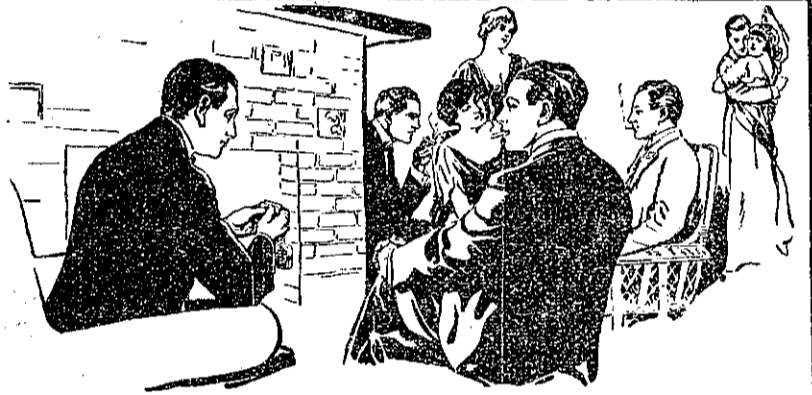
**WATCH YOUR STEP WITH MRS. VERNON CASTLE ON TECH NIGHT**

**L. P. HOLLANDER & CO.**

**214 BOYLSTON STREET  
BOSTON**

*Makers of Men's and Young Men's  
Fine Ready-to-Wear Clothing  
AT MODERATE PRICES*

**EVERY SUIT IS MADE IN OUR OWN SHOPS  
FROM THE BEST FOREIGN WOOLENS**



**"Bull" Durham, the Smoke of Hospitality**

At fashionable house-parties, gay week-end gatherings, wherever smart American men assemble for recreation, mellow "Bull" Durham tobacco adds to their enjoyment. It is correct, up-to-date, notably stylish to "roll your own" cigarettes with "Bull" Durham—stamps you as a smoker of experience—and that delicate, distinctive "Bull" Durham fragrance is always very agreeable to the ladies of the party.

GENUINE

**"BULL" DURHAM  
SMOKING TOBACCO**

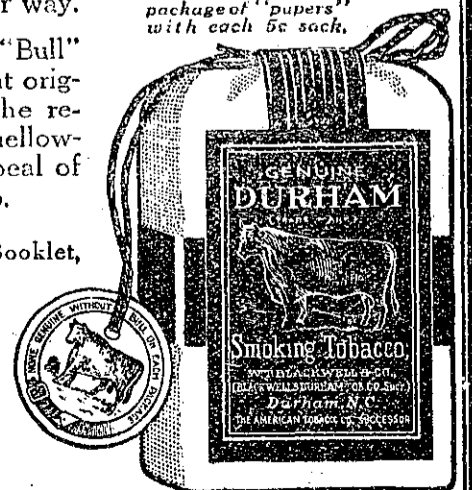
"Bull" Durham is unique among the world's high-class smoking tobaccos—and has been for generations. Millions of smokers find in the fresh cigarettes they fashion to their own liking from this deliciously mild, fragrant tobacco, supreme enjoyment and satisfaction obtainable in no other way.

Roll a cigarette with "Bull" Durham today. Learn that original, exquisite aroma—the refreshing smoothness and mellowness—the irresistible appeal of this world-famous tobacco.

**FREE** An Illustrated Booklet, showing correct way to "Roll Your Own" Cigarettes, and a Package of cigarette papers, will both be mailed, free, to any address in U. S. on request. Address "Bull" Durham, Durham, N. C. Room 1400.

THE AMERICAN TOBACCO CO.

Ask for FREE package of "papers" with each 5c sack.



**BROWNING, KING & CO., Inc.**  
 407-411 Washington St., Boston

**Fall and Winter Suits and Overcoats  
 For Young Men**

IN ALL THE NEWEST MODELS

Special Values at \$15.00 and \$20.00

**ATTENTION, TECH MEN!**

We offer our best photographs to members of all classes at M. I. T. at Senior Class rates.

Make your appointments early and have your pictures for the holidays.

**Notman Photographic Co.**

Phone Haymarket 1861

3 PARK STREET

FRATERNITY GROUPS AT LOWEST PRICES

**Tech Barber Shop**

22 HUNTINGTON AVE.

UP ONE FLIGHT

Tailoring Done Next Door.

**PLEASANT  
 FURNISHED ROOMS**

APPLY

**MISS HENNESSY**

Suite 10, 192 Dartmouth St.

**6 PHOTOS \$1.50**

of yourself, finished in Chiarascuro, size 6x10. Regular price \$6 per dozen. Also made from new or old photos

"The Photographer in Town"  
 New York, Paris  
 Boston, Phila.

*F. Brunel*

159 A TREMONT STREET

**CUT THIS COUPON NOW**

Good on if May 15 only (T)

WATCH YOUR STEP WITH MRS. VERNON CASTLE ON TECH NIGHT AFTER FIELD DAY AT THE COLONIAL—SEATS TODAY IN ROGERS.

**Collins & Fairbanks Co.**

**Young Men's  
 Hats, Coats, Caps, Gloves**

**383 Washington St., Boston**

Students' Cast-off Clothing and other personal effects bought by

**KEEZER**

369 Columbus Avenue

Corner of Yarmouth Street

Highest Prices Paid for Same

Phone, Write or Call

Open Evenings to 9 o'clock

B. B. 6843.

**TECH UNION BARBER SHOP**

Located at the

Hotel Westminster

Handy to the institute. Up-to-date, fashionable hair cutting by skillful barbers. The best hygienic and most perfectly ventilated shop in the Back Bay.  
 THE TECH UNION BARBER SHOP

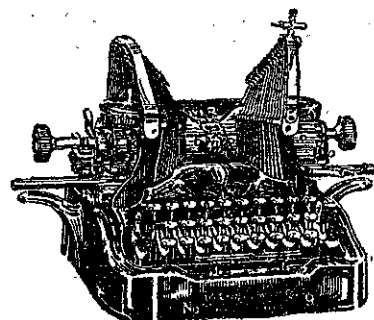
**ROOM TO LET**

Nice comfortable rooms for 2 with or without board at 285 Newbury street.

MISS E. RYAN.

**A New  
 Model Typewriter!**

The **No. 9**  
**OLIVER**  
 The Standard Visible Writer



**BUY IT NOW!**

Yes, the crowning typewriter triumph is here

It just out—and comes years before experts expected it

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

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

**CAUTION!**

The new-day advances that come alone on this machine are all controlled by Oliver. Even our own previous models—famous in their day—never had the Optional Duplex Shift.

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

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

**WARNING!**

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

For while the Oliver's splendid new features are costly—we have equalized the added expense to us by simplifying construction.

Resolve right now to see this great achievement before you spend a dollar for any typewriter. If you are using some other make you will want to see how much more this one does.

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

**17 CENTS A DAY** Remember this brand-new Oliver "9" is the greatest value ever given in a typewriter. It has all our previous special inventions—visible writing, automatic spacer, 6½-ounce touch—plus the Optional Duplex Shift, Selective Color Attachment and all these other new-day features.

Yet we have decided to sell it to everyone everywhere on our famous payment plan—17 cents a day! Now every user can easily afford to have the world's crack visible writer, with the famous PRINTYPE, that writes like print, included FREE if desired.

**TODAY—Write for Full Details** and be among the first to know about this marvel of writing machines. See why typists, employers, and individuals everywhere are flocking to the Oliver. Just mail a postal at once. No obligation. It's a pleasure for us to tell you about it.

**The Oliver Typewriter Co.**

146 Congress Street,

Boston, Mass.

**CHARACTER FIRST**  
 (Continued from Page One)  
 ularly known as the "Tech Bible," is a service which doubtless every student appreciates. More recent developments are the active, constructive program of co-operation with the churches; the founding of the Fraternity Forums; the beginning of the Freshmen Discussion Groups; the work for foreign students; and, finally, the organization this year of the Course Committees. This last named plan contemplates the organization of a group of students in each course to carry the whole Association program to every man in every course. "A job for every man and a man for every job" is the service motto of the T. C. A. That this ideal is gradually being realized, is indicated by the rapidly increasing number of students who are serving on T. C. A. committees, on church committees, and engaged in social service in the community. A very satisfactory percentage of the 500 members are thus engaged.

In this manner the Technology Christian Association, with the counsel of the Advisory Board, under the direction of the General Secretary, and through the loyal, enthusiastic work of its undergraduate officers and committeemen, is endeavoring to become an efficient factor in "Character Building at the Institute."