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**HANDBOOK**  
**OF THE**  
**Massachusetts**  
**Institute of Technology**

**Twenty-fourth Edition**

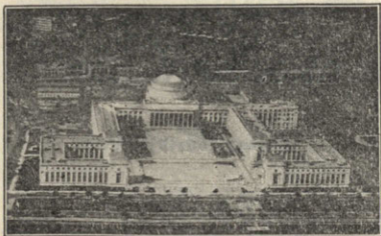
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Presented by the  
**TECHNOLOGY CHRISTIAN**  
**ASSOCIATION**

TO  
*CAROLE A. CLARKE VI*  
*M. I. T. 1921*



Airplane Views of Technology



## AN HISTORICAL SKETCH

The history of the Massachusetts Institute of Technology is directly associated with the lives of three great men, William Barton Rogers, Francis Amasa Walker, and Richard Cockburn Maclaurin. In 1860, Rogers prepared a memorial, asking that the land between Boylston, Newkirk, Berkeley and Clarendon Streets in Back Bay be set apart for a polytechnic college; in the fall of that year the Institute was founded.

When the doors of the Institute were opened in 1865, there were only fifteen students. President Rogers guided the destinies of the growing school until 1870, when illness compelled his resignation. The decade from 1870 to 1880 was the most critical one in the Institute's history, and but for the heroic devotion of the Faculty and the generosity of a few stalwart friends, the Institute would have had to close its doors. In spite of his failing health, President Rogers again undertook the duties of the presidency. Death came to him upon the platform in Huntington Hall while he was addressing the graduating class of '82. In the words of his successor, "All his life he had borne himself faithfully and heroically, and he died, as so good a Knight would surely have wished, in harness, at his post, and in the very part and act of public duty."

General Walker was inaugurated as president in 1881. During his administration the Institute grew "from a struggling technical school to a great scientific university." In 1897 Walker died like Rogers, at his post. There were at this time twelve hundred students, but of far more consequence than the mere growth in numbers, was Walker's influence upon the intellectual and moral tone of the school.

His courage, energy, enthusiasm, and aggressive endorsement of the Institute's plan of education, were the main elements in its successful development.

On the death of Walker, Professor James M. Crafts acted as president for a short period, and upon his resignation, in 1900, Dr. Henry S. Pritchett was called to the presidency. Dr. Pritchett had just previously been director of the Coast and Geodetic Survey. During his administration the social activities and physical conditions of the Institute were greatly developed.

In 1905 a plan for the affiliation between the Institute and Harvard University was carefully considered but after a full discussion of its merits and faults it was decided that each institution should be developed independently along its own characteristic lines. Again in 1908 the matter of consolidation came up because of the McKay fund which it was thought might be used to pay Harvard professors at Technology. Under this agreement a student at the Institute could upon graduation get degrees from both places. This was debated over until 1919 when the matter was taken up by the Supreme Court and the decision reached was that the plan was a violation of the McKay trust. There is therefore no affiliation at all between the two institutions at the present time.

Dr. Pritchett resigned in 1907 and his place was temporarily filled by Dr. Arthur A. Noyes, who was Director of the Laboratories of Physical Chemistry at the Institute. Dr. Noyes held the chair for two years and made notable progress along educational lines.

On November 11, 1908, Prof. Richard C. Maclaurin, of the Department of Physics

at Columbia University, was inaugurated as President of the Institute. In the ten years he was associated with the Institute, he succeeded in raising funds for a larger and greater Technology, attained his idealistic vision with the dedication of the new buildings at Cambridge in 1916, put the Institute at the service of the government in the time of war, then labored for a permanent endowment which should leave him free to carry out his plans for more perfect organization for usefulness. Worn out with the struggle for money, he died on January 15, 1920, as Rogers and Walker before him, at the post of duty. To him more than to any single man, the world owes the new Institute. The foundation stones of this new school are cemented with his life blood. The entire world will hold in sorrow now, in enduring pride throughout the future the memory of Dr. Maclaurin, Physicist, Lawyer, Administrator, intimately associated at previous periods in his career with the academic life of three continents, self-sacrificing guide of America's greatest scientific school.

After Dr. Maclaurin's death the affairs of the Institute were taken over by a committee of three: Professor H. P. Talbot, of the Department of Chemistry, as chairman, Professor E. B. Wilson, of the Department of Physics, and Professor E. F. Miller, of the Mechanical Engineering Department. Mr. Elihu Thomson, of the General Electric Company, is acting president.

### WALKER MEMORIAL

The Walker Memorial is a gift of the Alumni to the undergraduates of Technology to be used as a social and recreation center. It was completed in 1916 at

a cost of over half a million dollars, but was only available for student use for a comparatively brief period, having been turned over by the Institute to the U. S. Naval Aviation Detachment for quarters and executive offices.

In the early part of 1919 at a big All-Technology Smoker, Henry A. Morss, '93, ex-President of the Alumni Association, presented to Norris G. Abbott, '20, President of the Senior Class, a gold key to the Memorial as a symbol of the surrender of alumni stewardship to the undergraduates.

The building contains offices for student activities; a large dining room, seating 900 men and three small ones, seating 250, 60, and 50, respectively; a library and reading room, a faculty and alumni room, two lounge rooms; a large gymnasium, one handball court; a boxing and locker room; as well as bowling alleys and pool and billiard tables. On the grounds adjoining the memorial are two baseball diamonds and eight tennis courts.

The government of the building is vested entirely in student hands and is administered by a sub-committee appointed by the Institute Committee. A competition is held each year, the results of which form a basis for the recommendation of the chairman to the Institute Committee for new members at the close of the collegiate year.

The building is available for use by students for meetings, dances, banquets, and smokers, as well as for gymnasium exercises. Each Technology man derives all of the rights and privileges of the building by virtue of the payment of his Student Tax.

## CALENDAR

	1920	1921
College Year Begins.....	Oct. 4	Oct. 3
Semi-Annual Examinations.....	Dec. 16-22	Dec. 16-22
Christmas Vacation .....	Dec. 23-Jan. 2.	Dec. 23-Jan. 2
	1921	1922
Second Term Begins .....	Jan. 3	Jan. 3
Condition Examinations* and March Re- cess .....	Mar. 13-20	Mar. 12-19
Third Term Begins .....	Mar. 21	Mar. 20
Last Exercise, Third Term .....	May 31	May 29
Annual Examinations .....	June 1-14	May 31-June 12
Last Examination, Fourth Year .....	June 3	June 2
Commencement Day .....	June 10	June 9
Examinations, College Entrance Examination Board	June 20-25	June 19-24
Summer Camp Begins .....	Aug. 2	Aug. 1
Entrance Examinations at Technology Begin .....	Sept. 24	Sept. 23

Exercises are omitted on legal holidays.

\* Condition examinations of the first term are held during the first part of this week.



**ABOUT THE NEW TECHNOLOGY**

March 19, 1913—Architect, Mr. Wm. W. Bosworth, was chosen.

December, 1913—Contractors, Stone & Webster, authorized to begin.

April, 1914—First run of concrete.

Cost of educational buildings now under construction, approximately five million; as planned, seven million.

Total cost of complete plant as planned, ten million.

Construction of reinforced concrete, faced with Bedford Limestone, except on interior courts which are faced with brick.

Practically all the foundation on piles from 15 to 40 ft., 25,000 piles being used.

Single floor area,  $3\frac{1}{2}$  acres.

Great Court, 360 feet square.

Minor courts, 165 feet square.

Buildings about the major court, four stories.

Wings about the minor courts, three stories.

Height of library dome, 150 feet.

Area for present educational buildings, 12 acres.

Area for future educational buildings, 14 acres.

Area for student portion, Walker Memorial, dormitories, etc., 8 acres.

Area of athletic field, 7 acres.

Total grounds, 50 acres.

Entered, fall of 1916.

Dedication exercises of new M. I. T., June 12, 13, 14, 1916.

Cornerstone of Walker Memorial laid June 12, 1916.



**FRESHMAN ADVICE**

1. The colors of Technology are cardinal red and silver grey.

2. The Institute songs and yells and given in this book. Learn them all. The Stein Song is your Alma Mater song. Always rise and remove your hat when it is played or sung.

3. Join the professional society that pertains to the course that you are taking. You will derive a benefit from this that you cannot get from the purely classroom work.

4. Payment of the Student Tax enables you to obtain expert medical advice, free of charge, from the Institute physician, whose office is in room 8-101.

5. The Walker Memorial is a building for your use, and it not only offers social advantages, but also eating facilities, at a reasonable price. Patronize your college cafeteria and grill room. The offices of the Student Activities are also in the Walker Memorial building.

6. Field Day is the big day of the year at Technology, for athletics. On this day the Freshman and Sophomore classes meet in a crew race, football game, relay race, and tug-o-war. In the score, the relay and crew race count four each, the football game three, and the tug-o-war two, making a total of a possible thirteen points. In the evening after Field Day all Technology goes to one of the Boston theatres to re-establish peace. Tech Night is one of the big events of the college year.

7. Most important of all: Lead "the strenuous life" during your stay at Tech. The Institute is more than a mere workshop; it is a place of opportunity for development of all that is best in a man. You will get more out of it, the more

you yourself put in. A man can easily become so busy doing nothing at all that he is rushed to death all the time **doing** nothing. To avoid this get out and hustle.

8. Grips, suitcases, coats and similar personal effects may be checked free of charge in the basement of Walker Memorial.

9. If you need outside work to enable you to help finance your stay at the "Stute," fill in an employment card at the T. C. A. office in Walker Memorial.

10. Institute scholarships are awarded to deserving students whose records are clear; these are in the form of remission of part or all of tuition. Blank forms may be obtained at the Information Office.

11. It is not customary for new men to reserve rooms before arriving in Cambridge. The best way is to come a few days early, get a current room list at the T. C. A. office, and make a personal inspection of various rooms in different localities before making a selection.

12. **GO OUT FOR SOME ACTIVITY.  
DON'T BE A DEAD ONE.**

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THE WORDS OF THE FOUR PRINCIPAL TECH SONGS

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A STEIN SONG

Give a rouse, then, in the May-time,  
For a life that knows no fear!  
Turn the night-time into day-time  
With the sunlight of good cheer!  
For it's always fair weather  
When good fellows get together,  
With a stein on the table  
And a good song ringing clear.

Chorus:

For it's always fair weather  
When good fellows get together,  
With a stein on the table  
And a good song ringing clear.

Oh, we're all frank and twenty  
When the spring is in the air,  
And we've faith and hope a-plenty,  
And we've life and love to spare;  
And it's birds of a feather  
When good fellows get together,  
With a stein on the table  
And a heart without a care.

Chorus:

And it's birds of a feather  
When good fellows get together,  
With a stein on the table  
And a heart without a care.

For we know the world is glorious,  
And the goal a golden thing,  
And that God is not censorious  
When His children have their fling;  
And life slips its tether  
When good fellows get together,  
With a stein on the table  
In the fellowship of spring.

## Chorus:

And life slips its tether  
 When good fellows get together,  
 With a stein on the table  
 In the fellowship of spring.

When the wind comes up from Cuba,  
 And the birds are on the wing,  
 And our hearts are patting juba  
 To the banjo of the spring,  
 Then life slips its tether  
 When good fellows get together,  
 With a stein on the table  
 In the fellowship of spring.

## Chorus:

Then life slips its tether  
 When good fellows get together,  
 With a stein on the table  
 In the fellowship of spring.

**TAKE ME BACK TO TECH**

I wish that I were back again  
 At the Tech on Boylston Street,  
 Dressed in my dinky uniform,  
 So dapper and so neat.  
 I'm crazy after Calculus;  
 I never had enough,  
 It was hard to be dragged away so young;  
 It was horribly, awfully tough—  
 Oh! give me some 'Ology, 'Ology,  
 tra-la-la-la——  
 Any old kind of 'Ology,  
 Tra-la-la-la-la-la-la-la-la-la.

## Chorus:

Take me back on a special train  
 To the glorious Institute—  
 I yearn for the inspiration of  
 A 'Technological toot!—

I'd shun the physical, quizzical Prof.,  
 And chapel and all that;—  
 But how I would love to go again  
 On a Scientific Bat.

Oh, back to the days that were free from  
 care,  
 In the 'Ology 'Varsity shop,  
 With nothing to do but analyze air  
 In an aneometrical top;  
 Or the differentiation  
 Of the trigonometric powers  
 Of the constant pi that made me sigh  
 In those happy days of ours.

'Rah for TECHNOLOGY!  
 'OLOGY, 'Ology, oh——  
 Glorious old TECHNOLOGY!  
 'Ology, 'Ology, 'Ology, 'Ology.

M-a-S-s-A-c-H-u-S-e-T-t-s  
 I-n-S-t-I-t-U-t-E o-F t-E  
 C-h-N-o-L-o-G, and Y comes after G.  
 Massachusetts Institute of Technolo-gee.

'Rah for TECHNOLOGY!  
 'OLOGY, 'Ology, oh——  
 Glorious old TECHNOLOGY!  
 'Ology, 'Ology, 'Ology, 'Ology.

WE ARE HAPPY—TECH IS HELL!  
 T-E-C-H-N-O-L-  
 O-G-Y TECHNOLOGY!  
 TECHNOLOGY!  
 TECHNOLOGY!  
 TEAM!  
 TEAM!  
 TEAM!

**THE CARDINAL AND THE GRAY**

The team is out, all sing and shout,  
 We'll show them how to win.  
 The men are strong, the battle long,  
 And now they're digging in.  
 So shout and cheer and let them hear  
 That Tech is with them now.  
 Cheer Tech—Cheer Tech—Cheer for the  
 victory.

**Chorus:**

Three cheers for Tech—Our lay will surely  
 win the day;  
 All shout and sing for the Cardinal and  
 the Gray,  
 With every "T" let your voice and spirit  
 be.  
 Fight with all your might, and give to  
 Tech the victory.  
 Rah—Rah—Rah—Three cheers for Tech—  
 Our lay will surely win the day;  
 All shout and sing for the Cardinal and  
 the Gray,  
 With every "T" let your voice and spirit  
 be,  
 Fight with all your might, and give to  
 Tech the victory.

When Tech is out, we all will shout,  
 And loudly we will cheer.  
 Our colors high will ever fly,  
 Our voices all will hear,  
 For Tech is best and all the rest  
 Will soon be left behind.  
 Cheer Tech—Cheer Tech—Cheer for the  
 victory.

**THE TECH CHEER**

M. I. T. Rah! Rah! Rah!  
 M. I. T. Rah! Rah! Rah!  
 M. I. T. Rah! Rah! Rah!  
 Technology!



## RETROSPECTION

## For Optimists and Pessimists

Air: Auld Lang Syne.

Oh TECH as I look back to thee  
 My eyes are filled with tears;  
 I'll ne'er forget the place in which

I spent such { happy } years.  
 { wretched }

And as I look upon my life

{ With fortune at my beck }

{ Which is a total wreck }

I { bless with all my heart and soul, the day }

{ wish that I'd been sent to jail, before }

I entered TECH.

The old professors { kind and good }  
 { sour and cross }

To whom I did recite,

How { grieved } they'd be when I would  
 { pleased } fail,

How { glad } when I'd be right.  
 { sad }

And as I look (etc.)

The Faculty, their { kindly note }  
 { cursed vote }

With { joy the fact did state, }  
 { pain I did receive, }

Informing me in { friendly } tones  
 { gleeful }

That I would { graduate. }  
 { have to leave. }

And as I look (etc.)

The things I studied while at TECH

{ How useful they have been! }  
 { Such useless, foolish truck! }

I've used this knowledge { many times }  
 { just two times }

{ My way in life to win, }  
 { And each time I got stuck. }

And as I look (etc.)

## UNDERGRADUATE ACTIVITIES

If you come to Tech with the preconceived notion that all you are expected to do is to study, get it out of your head as soon as possible. You will have to study and study hard. But remember that the grind rarely makes the good engineer. Go out for activities, and thereby serve Tech and enrich your own college life. As soon as you enter Tech in the fall start to get a line on the various activities. Choose some one or possibly two, for which you feel yourself especially fitted either through liking or natural ability, and **stick to them**. Avoid scattering your efforts over too many, else you are likely to lose out altogether.

Below will be found short articles on most of the important activities:

### TECHNIQUE

**Technique** is the year-book of the Institute. Its purpose is to compile and publish a permanent record of the events of the Institute Year, statistics concerning all Institute Activities and Organizations, and a complete portfolio consisting of an individual picture of each member of the Senior Class.

The Board of Publishers is made up of members of the Junior Class and comprises the following positions: Editor-in-Chief, Business Manager, two Associate Business Managers, Treasurer, Art Editor, two Associate Art Editors, Athletics Editor, Portfolio Editor, Societies Editor, Statistics Editor, Faculty Editor, Grinds Editor, Photographic Editor, and Associate Editor. Besides this Board there is a Junior Board made up of members of the Sophomore and Freshman classes who are competing for positions on the **Technique**

**Board** for their respective classes. The Business Manager, Associate Business Manager, Treasurer, Art Editor, and Associate Art Editors are chosen by the previous board as the result of a competition conducted by that board for that purpose. The Editors are elected by the Technique Electoral Committee, which is a committee of twenty-five men of the Sophomore Class elected annually in a popular election by that class.

The book is introduced to the students by the Technique Rush which is the first event of Junior Week. As the result of this rush twenty books are given out autographed by the President of the Institute.

As a college annual, **Technique** is one of the foremost in the country.

### THE TECH

**The Tech**, the undergraduate newspaper of Technology and the official organ of the Institute, was established November 16, 1881, as a fortnightly magazine. Since then it has expanded to a weekly, a tri-weekly, and for five years became a daily. Due to the burden which this imposed upon the editors, the paper has been changed to a semi-weekly and has since 1917 been published continuously through all recesses and the summer vacation—the only college newspaper in the world to hold this record. It is edited, published, and controlled solely by undergraduates.

The paper includes within its scope the reporting of all student activities at the Institute, of official notices, the doings of Technology Alumni in the United States and abroad, and other articles dealing with affairs not directly connected with the Institute but bearing particular interest to the readers of the paper.

Calls for candidates are made several times during the year, the first competition opening at the start of the fall term being particularly for Freshmen. Candidates may select either the operating or financial divisions, the first including news, editorial, and feature writing, sporting, alumni, photographic, and art departments; the second deals with advertising, treasury, and circulation work. **The Tech** offers an excellent opportunity to meet big men of business and industry outside of Technology and a chance to learn how to approach them. It provides remarkable training in the problems which every man must face when he gets out into the world to fight for himself, both in the business line and in promoting accuracy, clearness of thought, good written and spoken English, promptness, and speed.

### TECH SHOW

The **Tech Show**, which is annually produced by the undergraduates during Junior Week, is a musical comedy written, acted, staged, and orchestrated entirely by the students. It is one of—if not the—largest activities at Technology, over one hundred and fifty taking part in its production each year. Several performances are given in Boston, and trips are made to various New England cities, including Northampton, where the Show has the reputation of being one of the foremost college dramatic productions. The profits are used for various benefits. Those from Tech Show 1920 were expended in contributions to the Technology and Smith endowment funds, and in the establishment of a permanent fund for **Tech Show**.

The **Tech Show** is one of the large college activities entirely managed by undergraduates. Competitions for positions on

the Management are started early in the fall, and all students are allowed to compete. The actual production of the play is commenced immediately after the Tech Show Smoker, which is held about the last of November. At this time a call for candidates for the cast, chorus, and ballet is issued. Competitions for lyrics, music, and the best poster and program cover are held during the fall term. The scenery and costumes, also designed by undergraduates, are chosen by competition, and, as a result, the most modern ideas in staging and producing are presented each year.

### MUSICAL CLUBS

This organization, co-ordinated under one management, is composed of the Glee, Mandolin and Banjo Clubs. Of these the Glee Club is the oldest, having been started in 1884.

The personnel varies in number, twenty-five to thirty men being retained on each club after the first cuts. About forty men are taken on the annual trip. It is planned to make the trip earlier this year, probably during the Christmas holidays and an extended itinerary is expected. Each club has a leader and an assistant leader who instruct the men, assisted by professional coaches.

The requirements for admission to the various clubs are not hard and every man who has a voice or instrumental skill is urged to try out. There will be room this year for added specialties, and men who can recite or do solo work of any character, are specially wanted. Tryouts for the clubs are held soon after the opening of the school year, notice being given through the medium of the bulletin boards.

The Management of the Combined Musical Clubs is made up of a General Manager, a



Treasurer and a Publicity and Trip Manager. There are also two Freshman Assistants selected by a competition which begins during the Fall term and ends after Christmas. The survivors of the Freshman competition take an active part in the work of the clubs, gain valuable business experience and are in line for the higher positions during Sophomore and Junior years.

The chief musical events of the Institute year are the Winter and Spring Concerts. The former was held last season in January at the Hotel Somerset and was the most largely attended in years. Both ball rooms were engaged at the Somerset and about nine hundred people enjoyed the concert and the dancing afterward. The Spring affair which opened Junior Week festivities was likewise held at the Somerset and took place in April. In addition to these two functions, about eighteen local concerts were given, the season closing the first of May. The local concerts enabled the members of the Clubs to have many enjoyable times and meet fine people. For the coming season, it is expected that the Spring trip will be extended, six or seven concerts being booked in different cities.

### **THE M. I. T. ORCHESTRA**

The Orchestra has been in existence at the Institute for over twenty-five years, and is now considered as one of the leading activities at school. Its membership last year was over fifty, consisting of sixteen different instruments. The director of the Orchestra is a professional leader, who devotes at least two hours a week in coaching the men.

This year's tentative schedule has already been made, which is as follows:



First Call—The Monday following the All Technology Smoker.

Nov. 6. Concert and Dance at Tech.

Nov. 20. Concert and Dance at Wellesley.

Dec. 27, 28, 29, 30, 31 (Winter Trip)—The Orchestra will play in Springfield, Hartford, New York City, and Philadelphia, and return Saturday night on the boat giving a concert and dance on the latter.

Feb. 12. Open (Framingham pending).

Feb. 22. Open (Lynn pending).

March 1. Begin Tech Show Music.

March 12-19. Orchestra with Tech Show.

### T. C. A. HANDBOOK

The Technology Christian Association Handbook, a book of information invaluable to entering Freshmen and the student body at large, is published annually and distributed in the fall of the year.

Competitions for the business and editorial staffs are held soon after the opening of school in the fall, to which all undergraduates are eligible. Since the cost of printing the handbook is covered entirely by solicited advertisements, wonderful opportunity exists for those desiring business experience.

### THE TECH ENGINEERING NEWS

Because of the lack of any periodical suitable for the publication of scientific and engineering articles, Volume XXXIX of The Tech established The Tech Engineering News. The paper is published and edited solely by undergraduates, under the direction of the Managing Board of The Tech. It is issued monthly from October to June.

The paper occupies a unique position among student publications as it is the only one of just its type on record. Its purpose is to serve as a medium of exchange for ideas between the alumni and undergraduates. It brings matters of value to the attention of the students, and carries to the alumni and the world at large, a knowledge of what Technology men have done and are doing, both at the Institute and in science, commerce, and industry.

All undergraduates are eligible for the staff of The Tech Engineering News and calls will be made from time to time for candidates.

### **THE TRACK TEAM**

Track is Technology's athletic mainstay. It has for a long time been the major sport at the Institute, and is even more so now that here at the new site a modern, well-kept track and field are at the instant disposal of the students. In the course of a season Technology competes in cross-country races, and in the regular indoor and outdoor intercollegiate meets, as well as in dual meets, with Harvard, Maine, Bowdoin and other colleges. Technology has always put a strong team into the field and has produced not a few intercollegiate champions. But few teams are composed wholly of champions, and the Track Team offers almost unlimited opportunities for everyone.

### **TECHNOLOGY ATHLETIC CLUB**

This organization numbers a large part of the student body as members. Any undergraduate is admitted upon payment of dues. The purpose of the T. A. C. is to develop a greater popular interest in athletics at Tech. It is the intention of

the Club to distribute to its members this Fall an interesting handbook of athletics. It is the duty as well as the privilege of every student to spread abroad the good name of Technology and the T. A. C. offers each one of us a chance to help in this work because there is no surer way of advertising a college than by that college turning out good athletic teams; also there is no better way of developing a loyal school spirit than bonding the students together in a common cause, in interests helpful to each one individually, as well as their alma mater as a whole. The future as well as the present of athletics at M. I. T. should be, and is, such a cause and should accordingly be so regarded by every student at the Institute.

### **M. I. T. ATHLETIC ASSOCIATION**

The M. I. T. A. A. consists of the Captains and Managers of recognized athletic teams in the Institute together with three undergraduate members of the Advisory Council on Athletics. Its object is to promote and supervise the athletic interests at Technology.

The managers and assistant managers of all athletic teams are elected by the Athletic Association, and they are held directly responsible to the Association.

The M. I. T. A. A. awards all class numerals. It also passes on all insignia awards and recommends same to the Advisory Council on Athletics.

### **TENNIS**

Within the last few years, tennis has rapidly come into its own at the Institute. Teams of the highest caliber have been developed as is shown by the winning of

the last three N. E. Inter-collegiates. The freshman teams of the past two years have been considered the best college freshman teams in New England. Every fall a tournament is held and the winner is awarded a tTt. Positions on the team are obtained through elimination matches. Subsequent changes in the ranking may be made by challenges. The four highest men comprise the team. The varsity team plays the leading colleges in and about New England. The freshman team plays college second and freshman teams, and also teams of the leading "prep" schools. With the abundance of material at the Institute, especially in the lower classes, a good season is looked forward to. In June the varsity team takes part in the National Inter-collegiates which are held at Philadelphia.

### THE WRESTLING TEAM

Wrestling is the second oldest and most popularly supported team at Technology. Tech has always been considered one of the highest in that sport, and season after season backs up this reputation. This past year under the able coaching of Bridson Greene, N. E. Welterweight Champion, the team went through the season without a defeat, and defeated such teams as Yale, Harvard, Brown, Dartmouth, Tufts. In the intercollegiates, it suffered severely at the hands of luck, but had two winner-ups, and later an N. E. A. A. U. champion. A "T" is awarded to men winning first in the intercollegiates and a "WTT" to members of the team.

A Freshman team is also maintained and Mr. Gracey coaches this, devoting much personal attention to each candidate. There is no better way to start an athletic career at Tech than to start in at Wrestling, ob-

tain personal attention, and become "husky." The Freshman team has outside meets and trips, and also a meet with the Sophomores. Freshmen who take wrestling are excused from Physical Training. Numerals are awarded to the team and an excellent opportunity is offered to start on the Freshman team and work up through the Varsity to a "T."

### HOCKEY

This sport has taken on new life at Technology. Last year a varsity team was organized and represented the Institute in competition with Harvard, Tufts, and other colleges. A professional coach is employed and regular practice is held at the indoor rink, opposite M. I. T. on Massachusetts Avenue. An excellent opportunity is afforded to men interested in hockey to learn more about the game, and possibly to represent their college in intercollegiate competition. Candidates are called out by means of notices placed on the bulletin board in the lobby.

### SWIMMING

The record established by the M. I. T. Varsity Swimming Team previous to its last season is one that places the team among the foremost of the country. Although the team was defeated last year in two of its meets, it took the New England Individual Swimming Championship meet by a decided score over all the colleges entered. Previous to last year the team had been defeated but once in five years, a record unprecedented by any team in the country. The season consists of from eight to twelve dual meets with the fastest University teams in the east, and includes meets with the N. E. colleges, U. of Penn,



Yale and the U. S. Naval Academy. The team is a member of the Intercollegiate Swimming Association and plans are now under way for a New England Swimming League. Representatives are sent to the Individual Championships of these two associations.

The coach issues the call for varsity and Freshman candidates shortly after Field Day, and each candidate is given individual attention. Previous experience in swimming, while desirable, is by no means necessary, for Technology's best swimmers, divers and plungers have been developed from men who have had no previous experience whatsoever. Practice is held at the Boston Y. M. C. A. Swimming Pool on Huntington Ave., and Freshmen may substitute swimming in place of callisthenics.

The freshman team has a schedule of about eight meets with leading academy and college freshman teams. The Freshman Relay quartet is sent to the annual championship meets.

## BOXING

This activity became recognized at the Institute last year as a minor sport. Tournaments are held at which medals are awarded. The team took part in intercollegiate competition, making trips to New Haven and Philadelphia. The 1920-21 schedule is much broader than any heretofore undertaken in this line.

The call for candidates will be issued shortly after Field Day. A coach gives lessons at a reasonable fee.

Freshmen may substitute boxing for callisthenics. Freshmen are eligible for the position of second assistant manager



with the possibility of becoming manager in their Junior year.

### THE GYM TEAM

The Gym Team was granted membership to the Intercollegiate Gymnastic Association this year, which places Tech as one of the foremost gymnastic teams in the country. This year, the Institute team met Harvard, Princeton, Annapolis, and Dartmouth, making a showing creditable to Tech, and assuring the success of the team as an Institute sport.

Of the new men turning out, one was developed into a star by the middle of the season, and several others were point winners by the end of the year. The freshman squad developed remarkably, the majority of them being assured of positions on the team this year. Since Gym Team can be substituted for the routine freshman gymnasium work, it is sure to be popular, and plans for the early organization of a freshman team and a schedule of meets for them are being developed.

### THE TECH SOCCER TEAM

Within recent years Soccer has sprung into prominence as an Institute activity. The sport is open to all men with no restrictive qualifications. The record of last's years team is an enviable one; although pitted against some of the strongest soccer teams in New England, it lost but one game. An attractive schedule has been arranged for the 1920 season, which includes Dartmouth, Harvard, Springfield, Worcester, Andover, and several other teams. The season lasts from October to the beginning of December.

Freshmen may substitute Soccer for calisthenics and gym classes.

## CREW

Since the Institute has taken over its new quarters on the Cambridge side of the Charles, Crew has made great advances.

Attractive schedules are prepared for both Varsity and Freshman Crews. Last year the Varsity met the Norton Crew in Worcester, Union Boat Club, and Harvard on the Charles. The Freshmen raced Stone School, Noble and Greenough School, and entered the Harvard Regatta on the Charles. They also went to New Haven and met the Choate School there on May 16.

To the Freshmen, crew should appeal strongly. It requires almost no extra time, since it may be substituted for compulsory gym work. Furthermore, it is the greatest sport there is, and the only way to make sure is to come out and try it. Three positions on the managing staff of the crew are open to Freshmen. One of these leads to the position of Manager of the Rowing Association, who receives a "T" with crossed oars. One becomes first assistant manager his Sophomore year, and gets his numerals, while the third is made Field Day Crew Manager and receives his numerals in case his crew wins.

## THE VOO-DOO

The Voo-Doo is Technology's humorous publication. It appears monthly throughout the college year, and it enjoys the second largest circulation among the college humorous papers of the country. It has been widely clipped by "Judge" and other magazines. The management consists of an art department, a literary department, and a business department. Elections to the staff and board of all departments are made as awards of com-

petitions, which are at all times open to candidate.

Freshmen have a wide field in which to exercise their talents on this magazine, as business, humorous, editorial, and artistic ability are needed for the proper management of the paper. Any freshman is eligible for membership on the staff, and this leads to positions of greater responsibility for men who prove themselves capable. Connection with this activity is an asset outside of the Institute as well as in it.

### THE TECHNOLOGY RIFLE CLUB

The Technology Rifle Club is an organization that offers to students, particularly to men just entering the Institute, the opportunity of learning how to shoot, with its accompanying training in steadiness, clear, quick thinking and acting. Membership dues are nominal and entitle the member to the use of the club's range in the Walker Memorial, to free ammunition both for indoor and outdoor shooting as well as the use of the club's guns. Springfield rifles are issued for use on the spring trips to Wakefield.

Two teams are selected each year, one the varsity, which shoots as official representative of the Institute in the National Intercollegiate matches, and the other, which also shoots in the same matches.

In addition, extra intercollegiate and local club matches are shot off each year. A generous award of rTt are made to men qualifying, with T crossed rifles for exceptional ability.

In the spring, trips are taken to Wakefield or Walnut Hill where, with issued Springfields and free ammunition, every club member has an opportunity to get training of inestimable value.

## CLEOFAN

Cleofan was founded for the purpose of fostering fellowship among the girls at Technology. All women students are eligible and are advised to join. It is glad to aid and advise them when they enter the Institute and to be of service whenever possible. Meetings occur frequently during the year and are held in the Margaret Cheney Room, which is at the disposal of the girls at all times. Several teas are given also, during the year, to members of the faculty and to friends of Cleofan.

## CLASS OFFICERS

## 1921

President .....	R. H. Smithwick
Vice-President .....	A. D. Harvey
Secretary .....	Waldo Adams
Treasurer .....	F. B. Kittredge
Institute Committee.....	Garvin Bawden, K. R. Sutherland.
Executive Committee....	E. W. Booth, C. C. Dandrow.

## 1922

President .....	H. J. Horn, Jr.
Vice-President .....	T. H. Gill
Secretary .....	W. C. Roberson
Treasurer .....	Charles Rudderham
Institute Committee....	S. M. Biddell, H. E. Rockefeller.
Executive Committee..	C. Y. Chittick, A. S. King.

## 1923

President.....	F. O. Billings
Vice-President .....	C. W. Hildreth
Secretary .....	A. R. Holden
Treasurer .....	D. C. Sayre
Institute Committee..	H. Y. Satterlee, P. C. Putnam.
Executive Committee....	J. C. Nowell, Jr., F. O. Bond-Nelson.

GROUNDS AND BUILDINGS  
OF THE  
MASSACHUSETTS INSTITUTE OF TECHNOLOGY  
CAMBRIDGE, MASS.

MASSACHUSETTS AVENUE

ATHLETIC  
FIELD

TECH ST.

MAN LOBBY

WALKER  
MEMORIAL

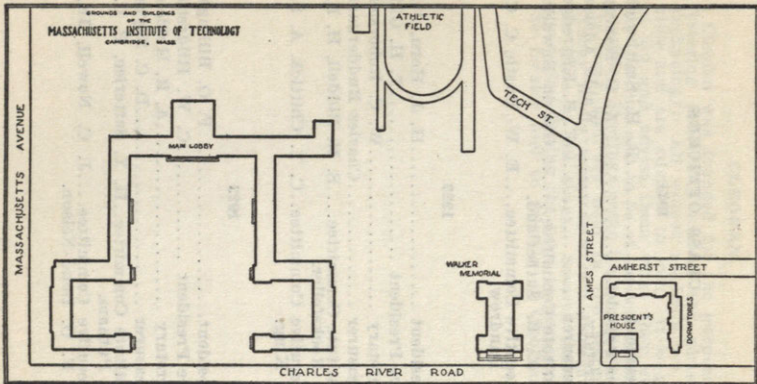
AMES STREET

AMHERST STREET

PRESIDENT'S  
HOUSE

DORM TOWERS

CHARLES RIVER ROAD





# The Tech

Established 1881

—IS—

your paper and one of the essentials in your college life. With your support as a reader of live college news, which you must have, we will help you greatly.

New men will be greatly assisted in getting started right at Technology by immediately subscribing to THE TECH. The news we print is essential to your welfare. Advertising in THE TECH is obtained and published to get the new men acquainted with Boston's best and most reliable stores. You may receive this benefit by subscribing at once to your paper.

Opportunity is offered to you to assist us in publishing a real paper. We need 100 men to write news, sell advertising, and obtain circulation. A man's real worth at Technology is measured not only by his scholastic work, but by his interest and ability in outside activities. Time is not so pressing but what the average man will find opportunity to broaden himself greatly by this enjoyable work. Business experience awaits you. Journalistic training is yours for the asking.

**COME OUT!**

Drop around to THE TECH office  
310 Walker Memorial

## TECHNOLOGY CHRISTIAN ASSOCIATION

### Officers

Glenn E. Fargo, '21.....President  
 Robert L. Turner, '21.....Vice-President  
 Irving D. Jakobson, '21.....Treasurer  
 Wallace M. Ross.....General Secretary

### Cabinet

Albert Calvert, '21..Foreign Students' Work  
 Irving D. Jakobson, '21....Room Registry  
 A. Warren Norton, '21..Freshman Advisory  
     Work.  
 Robert L. Turner, '21.....Membership  
 Bradley P. Williams, '21.....Employment  
     Bureau.  
 Paul A. Bray, '22.....Boys' Work  
 Thomas H. Gill, '22....Bus. Mgr. Handbook  
 J. Stanley Raffety, '22....Church Relations  
 Lawrence S. Vadner, '22..Editor Handbook  
 Philip S. Wilder, '23.....Book Exchange

### Advisory Board

P. R. Ziegler, '00, Chairman.  
 H. S. Ford, Treasurer—Bursar, M. I. T.  
 Alfred E. Burton—Dean, M. I. T.  
 Prof. George B. Haven, '94.  
 Prof. Frederick R. Kneeland.  
 Walter B. Snow, '82.

### Purpose

The Technology Christian Association aims to be of practical service to every student at the Institute, to help every man live up to the best that is in him, and to help Technology realize its highest ideals. Its purpose is "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."

### Membership

All students and members of the Institute who are in sympathy with the objects of the Association and wish to co-operate in promoting them are eligible to membership. No membership fee is charged but subscriptions to the budget of the Association are solicited.

### Organization

There is an Advisory Board of alumni and faculty who maintain a General Secretary and his Assistant and sustain advisory relations with the undergraduate organization. Direction of all Association affairs is in the hands of the Cabinet composed of the officers and heads of departments. In the interim of Cabinet meetings, the business of the Association is carried on by the Executive Committee, which comprises the officers and meets weekly.

### History

Previous to 1895 there was an organization of a few men known as the Technology Christian Union. In 1895 this was disbanded and a M. I. T. Y. M. C. A. was organized as a student branch of the Boston Y. M. C. A. In the spring of 1908 the Association was reorganized as the Technology Christian Association, a self-supporting, individual, Technology organization. Its affiliation is recognized with the Student Department of the Young Men's Christian Association of North America.

**SERVICE RENDERED BY THE T. C. A.****Institute Year 1919-20**

(1) 1,100 Technology men furnished rooms.

(2) 2,500 Handbooks containing useful information about M. I. T. distributed free of charge.

(3) \$11,289 worth of work given to 236 different men.

(4) \$745 worth of books sold for and to students.

(5) 470 Freshmen furnished with advisors.

(6) 19 men served weekly in Greater Boston as leaders of Boys' Work.

(7) 224 foreign students in the "Stute" from 35 different countries. Special attention shown these men by special department.

(8) 18 churches within one and one-half mile radius of Tech furnished with names of students of their denominations. Sunday attendance and young people's work promoted.

(9) 9.00-5.30 office open daily in Walker. General Secretary or some person there to be of assistance to everyone.

## CHURCHES

The following churches in Boston\*\* and Cambridge\* are the ones which Tech men attend most frequently.

### Baptist

The First Baptist Church in Boston\*\*—Commonwealth Ave. and Claredon St. Rev. Austen Kennedy DeBlois, pastor. Morning service, 11.30; Students' Bible Forum, 12.00; Students' Social Club, 7.30.

First Baptist Church in Cambridge\*—River St. near Central Square. Morning service, 10.30.

Old Cambridge Baptist Church\*—Massachusetts Ave. and Harvard St. Rev. K. C. McArthur, pastor. Morning service, 10.30; Students' Bible Classes, 12.00; Christian Endeavor, 7.00.

Tremont Temple\*\*—Tremont St., near School St. Rev. Courtland Myers, pastor. Services 10.30 and 7.00.

### Christian Science

First Church of Christ\*\*—Falmouth, Norway and St. Paul Sts. Sunday services 10.45 and 7.30. Testimonial meeting every Wednesday evening, 7.30.

### Congregational

Central Church\*\*—Corner Berkeley and Newbury Sts. Rev. Willard Sperry, pastor. Morning service, 10.30; Vesper service, 4.30; Central Club, 7.00.

Mount Vernon Church\*\*—Corner Beacon St. and Massachusetts Ave. Rev. Sidney Lovett, pastor. Service, 10.45; Young People's Social Tea, 6.00; Evening service, 7.45.

Old South Church\*\*—Copley Square. Rev. George A. Gordon, pastor. Services, 10.30 and 7.30.

Prospect St. Congregational Church\*—Near Central Square. Rev. William Macnair, pastor. Morning service, 10.30; Evening service, 7.30; Christian Endeavor, 6.30.

### Episcopal

Trinity Church in the City of Boston\*\*—Copley Square. Rev. Alexander Mann, rector. Morning service, 10.30; Evening prayer and sermon, 4.00.

The Cathedral Church of St. Paul\*\*—Tremont at Park St. station. Very Rev. E. S. Rousmaniere, dean. Services, 11.00, 4.00 and 7.30.

Church of the Advent\*\*—Mt. Vernon and Brimmer Sts. Rev. William H. VanAllen, rector. Services, 10.30 and 7.30.

### Jewish

Temple Adath Israel\*\*—Commonwealth Ave. and Blanford St. Harry Levi, rabbi. Services, Saturday, 10.30; Sunday, 11.00.

### Lutheran

St. Mark's English Lutheran Church\*\*—29 Winthrop St., Roxbury. Rev. E. L. Mil-



ler, pastor. Morning service, 10.30; Sunday School, 11.45.

Boston Norwegian Lutheran Church\*\*—28 Bartlett St., Roxbury. Rev. Christian A. Moldstad, pastor. Service, 10.30.

Swedish Lutheran Augustana Church\*—311 Broadway. Rev. H. Jacobson, pastor. Services, 10.30 and 7.30.

### Methodist

Epworth Methodist Church\*—Massachusetts Ave., opposite Cambridge Commons. Rev. Elmer A. Leslie, pastor. Morning service, 10.30; Students' Bible Class, 12.00; Epworth League, 6.30.

Bromfield-Tremont Church\*\* — Concord and Tremont Sts. Rev. Kelley Jenness, Pastor. Morning service, 10.30.

Grace Methodist Church\*—Magazine St. corner Perry St. Rev. H. I. Bailey, Pastor.

### Presbyterian

First United Presbyterian Church\*—Inman Square. Rev. W. T. McGarey, pastor. Service, 10.30.

First Presbyterian Church in Boston\*\*—Columbus Ave. and Berkeley St. Rev. Isaac Ward, pastor. Services, 10.30.

### Roman Catholic

The Cathedral\*\*—Washington and Union Park Sts.

St. Cecelia\*\*—Belvidere and St. Cecelia Sts. near Boylston St. and Massachusetts Ave.

St. Mary's\*—Harvard and Norfolk Sts. Rev. M. J. Doody, P. R., pastor; Rev. W. P. McNamara, Spiritual Director.

### Unitarian

First Church in Boston (1630)\*\*—Corner Berkeley and Marlboro Sts. Rev. Charles E. Park, pastor. Morning service, 10.30; Young People's Meeting, 6.30.

Second Church in Boston\*\*—Beacon St. and Audobon Circle. Rev. Eugene Rodman Shippen, pastor. Morning service, 11.00.

First Church in Cambridge\*—Harvard Square. Rev. S. M. Crothers, pastor. Morning service, 11.00.

Arlington Street Church\*\*—Corner Arlington and Boylston Sts. Rev. Paul Revere Frothingham, pastor. Morning service, 11.00; Junior Parish Service for Students, Sunday, 5.00.

Harvard Street Unitarian Church\*—Corner Harvard and Hancock Streets. Frank O. Holmes, minister. Services, 10.45 A. M.

## FRATERNITIES AT TECHNOLOGY

- Sigma Chi, 532 Beacon St., Boston, Mass.  
Phone: B.B. 54057.
- Theta Xi, 406 Marlboro St., Boston, Mass.  
Phone: B.B. 54967.
- Delta Psi, 428 Charles River Road. Phone:  
Camb. 5667.
- Chi Phi, 44 Fenway St. Phone B.B. 3515.
- Delta Kappa Epsilon, 104 Charles River  
Road. Phone: Camb. 56598.
- Phi Beta Epsilon, 400 Charles River Road.  
Phone: Camb. 52341.
- Delta Upsilon, 526 Beacon St. Phone:  
B.B. 54375.
- Sigma Alpha Epsilon, 484 Beacon St.  
Phone: B.B. 51935.
- Delta Tau Delta, 4 Ames St., Cambridge.  
Phone: Camb. 54755.
- Phi Gamma Delta, 491 Commonwealth Ave.  
Phone: B.B. 5798.
- Phi Sigma Kappa, 517 Beacon St. Phone:  
B.B. 54565.
- Theta Chi, 161 Bay State Rd. Phone:  
B.B. 55549.
- Phi Kappa Sigma, 263 Bay State Rd.  
Phone: B.B. 51369.
- Alpha Tau Omega, 37 Bay State Rd.  
Phone: B.B. 53137.
- Theta Delta Chi, 334 Harvard St., Cam-  
bridge. Phone: Camb. 52966.
- Lambda Phi, 493 Commonwealth Ave.  
Phone: B.B. 8839.
- Lambda Chi Alpha, 200 Bay State Rd.  
Phone: B.B. 57197.
- Beta Theta Pi, 179 Bay State Rd. Phone:  
Brookline 6089 R.

Kappa Sigma, 512 Commonwealth. Phone:  
B.B. 51568.

Zeta Beta Tau.

Sigma Alpha Mu, 28 Plympton St., Cam-  
bridge. Phone: Camb. 53764.

Phi Kappa, 299 Newberry. Phone: B.B.  
58468.

M. I. T. Dormitory, 104 Charles River Rd.  
Phone: Camb. 57077.

The Tech, 310 Walker Memorial. Phone:  
Camb. 7415.

The Voo Doo, 309 Walker Memorial. Phone:  
Camb. 7849 M.

The Tech Show, 301 Walker Memorial.  
Phone: Camb. 7960.

The Musical Clubs, 302 Walker Memorial.  
Phone: Camb. 4186 W.

M. I. T. A. A., 307 Walker Memorial.  
Phone: Camb. 4186 M.

T. C. A., 7 Walker Memorial. Phone:  
Camb. 7416.

Tau Delta Phi, 1234 Massachusetts Ave.,  
Cambridge. Phone: Camb. 7532 J.

Tau Epsilon Phi, 234 Newbury St. Phone:  
B.B. 54269.

Tech Engineering News, 306 Walker Me-  
morial. Phone: Camb. 7415.

Technique, 308 Walker Memorial. Phone:  
Camb. 7922.

M. I. T. Orchestra, 303 Walker Memorial.

Institute Committee, 2nd floor, Walker  
Memorial. Phone: Camb. 7849 W.

Massachusetts Institute of Technology,  
Charles River Road. Phone: Camb. 6900.

### SOCIETIES

K <sub>2</sub> S	Osiris
Pi Delta Epsilon	The Beaver
Theta Tau	Stylus
Masque	Alpha Chi Sigma
Vectors	Walker Club

### CLUBS

Walker Club	Chinese Club
Latin American Club	Cosmopolitan Club
Catholic Club	Menorah Society
Rifle Club	Cleofan
Wireless Club	(Women's Club)
Air Service Club	

### PROFESSIONAL SOCIETIES

Civil Engineering  
 Mechanical Engineering  
 Architectural  
 Naval Architecture  
 Electrical Engineering  
 Corporation XI  
 Mining Engineering  
 Chemical

**CONSTITUTION  
OF THE  
MASSACHUSETTS INSTITUTE OF  
TECHNOLOGY UNDERGRADUATE  
ASSOCIATION**

**Preamble**

Whereas, it seems wise that all activities among the students of the Mass. Inst. Tech. should be so organized and conducted as to work for the good of the welfare and renown of the MASSACHUSETTS INSTITUTE OF TECHNOLOGY, it is fitting that some central organization, chosen and controlled by the student body, should, as representing that body, have and exercise general powers as supervision over all individual activities insofar as they affect the student body as a whole.

To this end it seems necessary that the entire body of undergraduates should be brought together as a unit in order that legislation and executive powers may be transferred upon such a central body as is mentioned in the preceding paragraph. It is, therefore, enacted by the undergraduates attending the MASSACHUSETTS INSTITUTE OF TECHNOLOGY that such a general organization should be effected, and to this end the following constitution governing the student body is adopted:

**CONSTITUTION**

**ARTICLE I.**

**Name of Organization.**

The name of this organization shall be the MASSACHUSETTS INSTITUTE OF TECHNOLOGY UNDERGRADUATE ASSOCIATION.



**ARTICLE II.****Purpose.**

The purpose of this organization is to regulate and control the acts of the student body in its relation to the Institute and to the general public, and to exercise such supervision over the several student activities as will insure that the same are conducted in the best interest of the student body as a whole and to the credit of the MASSACHUSETTS INSTITUTE OF TECHNOLOGY.

**ARTICLE III.****Membership.**

All registered students at the Massachusetts Institute of Technology are by virtue of such registration members of this organization, such membership to be subject to such rules and regulations as may be herein or hereinafter enacted by this organization.

**ARTICLE IV.****Institute Committee.**

Section 1. All the legislative and executive powers of this association are hereby invested in a representative body to be chosen as hereinafter provided. This body shall be known as the INSTITUTE COMMITTEE.

Section 2. All acts and decisions of the Institute Committee shall be considered to be facts and the decisions of this Association, except that on petition presented in writing by fifty students, within ten days of the enactment of such acts and decisions by the Interstate Committee shall be presented to the Association for ratification or rejection, as is provided in Section 3.

Section 3. On receipt of a petition as provided in Section 2, the Institute Committee shall, within four days, issue a call for a general vote on the matter in question, the same being taken by written ballot within fourteen days but not earlier than seven days, after the issue of such a call. Two-thirds of the ballots cast shall be necessary to annul any act or decision of the Institute Committee.

Section 4. The Institute Committee shall consist of three members of each class, of whom one shall be the Class President, the other two to be elected at large; and one from each of the following undergraduate organizations:

- Architectural Society
- Chemical Society
- Civil Engineering Society
- Cosmopolitan Club
- Electrical Engineering Society
- M. I. T. A. A.
- Mechanical Engineering Society
- Mining Engineering Society
- Musical Clubs
- Tech Show
- Technique
- The Tech
- The Voo Doo
- Technology Christian Association
- Naval Architectural Society
- Walker Memorial Committee
- Finance Committee
- Dormitory Committee

Section 5. Any other activity now existing or hereafter duly organized by the undergraduates may, by two-thirds vote of the Institute Committee, be granted representation thereon, and any activity having a representative on the committee may, by a similar two-thirds vote, be denied such a representation, provided notice of the proposed action of the Committee shall

have been given the members of the activity and full opportunity granted them to present arguments and reasons why such action should not be taken.

Section 6. After the acceptance of this Constitution by the student body, the election of representatives on the Institute Committee on the part of class organizations or other student activities shall be deemed an acceptance of this Constitution and its authority.

## ARTICLE V.

### Organization of the Institute Committee.

Section 1. The officers of the Institute Committee shall consist of a President, Vice-President, Secretary and Treasurer, who, with two members elected from the Committee-at-large, shall constitute an Executive Committee.

Section 2. The President of the Senior Class shall be the President of the Institute Committee. All other officers of the Committee shall be chosen annually by the Committee by written ballot.

Section 3. The Institute Committee shall enact such By-Laws as may be deemed necessary, and not inconsistent with the provisions of this Constitution.

## ARTICLE VI.

### Amendments.

Amendments to this Constitution may be recommended by the Institute Committee or by a petition of one hundred (100) members of the association. Any amendments so recommended shall be submitted by the Institute Committee to the entire body for consideration and adoption. Full notice of such proposed amendments shall be submitted to the entire student body for

consideration by posting at least thirty days before the day set for voting; two-thirds of the votes cast shall be necessary to adopt the same provided twenty-five per cent. (25%) of the total membership vote.

Article V, Section 1, was amended to read as follows:

The officers of the Institute Committee shall consist of a President, Vice-President, Secretary, Treasurer, who, with two members elected from the Committee-at-large, shall constitute an Executive Committee.

## **BY-LAWS**

### **ARTICLE I.**

#### **Name.**

The name of this organization shall be the Institute Committee, as provided for in Article IV, Section 1, of the Constitution of the Massachusetts Institute of Technology Undergraduate Association.

### **ARTICLE II.**

#### **Purpose.**

The function of this Committee shall be such as is stated in Article IV, Section 1, of the Constitution.

### **ARTICLE III.**

#### **Membership.**

Section 1. The membership of this Committee shall be as provided for in Article IV of the Constitution.

Section 2. The members of this Committee shall be chosen by the several classes and activities, and shall assume office upon election. Each activity shall send to the Institute Committee the name of its representative upon his election. In

case the official representative cannot be present at a meeting, the Institute Committee may send a substitute.

Section 3. The members of this Committee shall hold office for one year.

Section 4. All vacancies occurring during the school year shall be filled by the activity in question at a special election. With the representatives to the Committee from the classes the Governing Boards of the classes are given the right to fill such vacancies.

## ARTICLE IV.

### Organization.

The officers and executive committee of this Committee, as provided for by the Constitution, Article V, Sections 1 and 2, shall, with the exception of the President, be elected by written ballot at the first meeting of the Institute Committee after class elections in May.

Section 2. The standing committees of the Institute shall be the:

Walker Memorial Committee,  
Point System Committee,  
Bulletin Board Committee,  
Budget Committee,  
Military Affairs Committee.

Section 3. The members of the Point System Committee and Bulletin Board Committee shall be appointed by the Executive Committee within two weeks after the first meeting of the Institute Committee, such appointments to be subject to ratification by the Institute Committee.

The chairman of the Walker Memorial Committee shall be appointed from the Junior Class by the Executive Committee,

subject to ratification by the Institute Committee, at its first meeting in May of each year, and shall hold office for one year.

Three other members shall be appointed at the same time as the chairman. At least two of these shall be Sophomores or Juniors during their term of office. The fifth member shall be the Walker Memorial Proctor, appointed by the Bursar.

The Budget Committee shall consist of the Treasurer of the Institute Committee as chairman, two undergraduate members elected by the Institute Committee and three alumni members elected by the Alumni Council and subject to the ratification of the Institute Committee.

The Chairman of the Finance Committee shall have a seat, ex-officio, on the Budget Committee, and the Chairman of the Budget Committee shall have a seat on the Finance Committee.

The Chairman of the Point System Committee and the Chairman of the Bulletin Board Committee shall be chosen from the student body-at-large and shall be members of the Institute Committee, ex-officio.

Section 4. Special Committees. There shall be a Finance Committee, which shall consist of a chairman, who shall be a Senior elected by the Institute Committee; the Treasurers of all the various classes and activities; and three Alumni members, the latter to be appointed by the Alumni Council, subject to ratification by the Institute Committee. Any activity shall be fined \$0.50 every time its treasurer is absent from a regular meeting of the Finance Committee.

Section 5. There shall be a Dormitories Committee, composed of seventeen duly elected residents of the dormitory, whose chairman shall be a dormitory resident



and ex-officio a member of the Institute Committee.

Section 6. There shall be an Activities Committee, consisting of three men appointed by the Executive Committee, subject to the ratification of the Institute Committee. The chairman of this committee shall be ex-officio a member of the Institute Committee.

Section 7. A "Tech Night" Committee shall be appointed by the Institute Committee to arrange for the celebration of "Tech Night."

Section 8. Such other committees as may be found necessary shall be appointed from time to time.

Section 9. The Hare-Spence system of Proportional Representation shall be used in the election of Senior Class Day Committee and Technique Electoral Committee.

## ARTICLE V.

### Duties of Officers and Committees.

Section 1. It shall be the duty of the President to preside at all meetings of the Executive Committee. It shall be his further duty to countersign all checks issued by the Institute Committee.

Section 2. The Vice-President shall assume the duties of the President in the absence of the latter.

Section 3. The Secretary shall keep all records of the Institute Committee and shall send notices to all members of the committee prior to each meeting.

Section 4. The Treasurer shall receive and have custody of all moneys of the Committee and shall disburse all money only upon vote of the Institute Committee. He shall be bonded for such an amount as the Executive Committee deems

advisable at the expense of the Institute Committee.

Section 5. The Executive Committee shall receive and consider all matters brought before it by the student body, and shall present to the Institute Committee for action such matters as are deemed important, together with facts and recommendations pertaining thereto.

The Executive Committee shall hold a regular meeting before every regular meeting of the Institute Committee.

Section 6. It shall be the duty of the Point System Committee to enforce the Point System, which shall be as hereinafter provided for.

It shall be their further duty to keep the records of the Point System, and to report to the Institute Committee at every regular meeting the name of any man having overpoints.

Section 7. The Budget Committee shall investigate all proposed expenditures of the Institute Committee in excess of five dollars, and report through the Executive Committee on the advisability of the same. It shall, at the third regular meeting of the Institute Committee of each Institute year, present a budget of the Institute Committee finances for that year.

Section 8. The Walker Memorial Committee shall have charge of the student administration of the Walker Memorial and shall have the power of appointing any sub-committees it deems necessary, subject to the ratification of the Institute Committee. The Committee shall have published in each issue of "The Tech" a schedule of undergraduate events. It shall maintain in the Walker Memorial a calendar of all undergraduate activities, on a board provided for that purpose.

The Committee shall cause to be posted a list of the names and addresses of the officers of all undergraduate activities, on a board provided for that purpose.

The Committee shall, by consent of the Dean, be authorized to assign all Institute rooms for the use of undergraduate activities, and shall, as far as possible, prevent any activity from holding meetings that would conflict with each other.

It shall be the duty of the Committee to demand of each class or activity a list of coming events; the list to be constantly kept up to date.

The Committee shall have the power of fining any activity which holds a meeting unauthorized by the Committee, the fine to be one dollar (\$1.00) payable to the Treasurer of the Institute Committee. Until such fine is paid, the Committee shall refuse to approve any application made by that society or club or class for reservation of time or room.

Section 9. The Bulletin Board Committee shall have charge and be responsible for the bulletin boards of the undergraduate body. All bulletin boards under the control of the Bulletin Boards Committee are hereby denied outside commercial interests.

They shall enforce any rules made by the Institute Committee, regarding the bulletin boards.

They shall report at every regular meeting of the Institute Committee.

It shall be the duty of the Committee to remove from the bulletin board such posters as do not conform to the standard size of 11 in. x 17 in.

It shall be the duty of the Bulletin Board Committee to receive posters at the option of the activities and to affix thereto

the stamp of the Institute Committee stating such posters to be the property of the Institute Committee. Each poster shall also be numbered and the number registered with a descriptive title.

Once a year or oftener the Bulletin Board Committee shall dispose of such posters by auction sale.

Section 10. The Finance Committee shall hold regular monthly meetings at such dates as they shall themselves choose. Special meetings may be called by the chairman of the Finance Committee.

The Committee shall have the power to insist upon a clear businesslike financial report from every activity before the seventh day of each month, for the month preceding; such report to cover the following items at least:

Cash on hand at first of last month.

Expenditures and liabilities.

Receipts and assets.

Balance on hand at end of month.

The Finance Committee shall have the power to audit the accounts of any activity when it thinks such action is advisable.

If the financial condition of any activity is such that in the opinion of the Finance Committee the activity will not be able to pay any debt incurred, the Committee shall have the power to insist upon some guarantee from the activity that the amount to cover such indebtedness will be raised.

In case any activity does not comply with the above measures the Committee shall refer the action of the activity to the Institute Committee.

Section 11. The Dormitories Committee shall be responsible for the student administration of the dormitories.

Section 12. The duties of the Activities Committee shall be:

1. To make an extensive report each year showing the number of men in activities, the percentage enrollment in activities, the effect of activities on scholastic standing, the activities record of prominent alumni, the advantages of carrying some activity, and the large amount of activities work to be done.

2. To prepare detailed lists and charts showing the organization of various activities, the offices of each and how they are secured, and the duties of such offices.

3. To give all possible publicity to its reports, lists and charts; and

4. To keep in touch with various activities, keep a record of positions open and, by due publicity, endeavor to secure keen competition for these positions.

Section 13. The duties of any special committee appointed by the Institute Committee shall be such as are stated at the time of said appointment.

## ARTICLE VI.

### The Point System.

Section 1. There shall be a Point System with ratings of all offices and membership in the several classes and activities, as follows: (Here a list of the ratings, which may be found in the accompanying report of the Point System Committee).

Section 2. No man shall be allowed to carry more than ten points except that a man may be in athletics or be a member of

the musical clubs and hold one other office even though the total exceeds ten points.

Section 3. The exception in Section 2 shall not apply to managers or assistant managers of athletic teams.

Section 4. There shall be no commutation of points except by unanimous vote of the Institute Committee.

Section 5. Any student placed on probation by the Faculty is, during his probation, ineligible for any activity, and is required to withdraw from any activity with which he is associated.

## ARTICLE VII.

### Meetings.

Section 1. The Institute Committee shall hold regular meetings every two weeks throughout the school year.

Section 2. Special meetings may be called at any time by the President or the Executive Committee. After three days, the President shall call a meeting of the Institute Committee, upon written request of ten members.

Section 3. The order of business for Institute Committee meetings shall be as follows:

1. Roll Call.
2. Reading of minutes of previous meeting.
3. Special business.
4. Reports of Standing Committee.
5. Reports of Special Committees.
6. Old business.
7. New business.

Section 4. "Roberts' Rules of Order" shall cover all procedures of this Commit-



tee except those covered by the Constitution and By-Laws.

## ARTICLE VIII.

### Quorum.

Section 1. A quorum necessary to transact any and all business of the Institute Committee shall consist of twelve men.

Section 2. No meeting shall begin or continue unless at least a quorum is present.

## ARTICLE IX.

### Dues.

Section 1. The dues for representation on the Institute Committee shall be two dollars a year for representation and shall be payable during the first five weeks of the school year.

Section 2. Any representative whose dues are not paid by the second regular meeting each year of the Institute Committee shall automatically lose all vote and voice in the proceedings of the Committee—such loss to continue only until his dues are paid.

Section 3. The names of all activities delinquent in the matter of dues, shall be published daily in "The Tech" until such dues are paid.

## ARTICLE X.

### Lateness and Absence at Meetings.

Section 1. No fines shall be levied for lateness or absence of this Committee.

Section 2. The names of all members absent or late shall be published in the next issue of "The Tech" after the meeting at which such lateness or absence occurs.

Section 3. If the full official representation of any activity is not present at two consecutive regular meetings of the Insti-

tute Committee, that activity shall forfeit its right to representation on the Committee, which representation shall not be allowed until the Institute Committee has been in receipt of a formal petition from the activity in question and has passed on the same in conjunction with the requirements for admission as stated in the Constitution.

## ARTICLE XI.

### **Requirements for Institute Committee Representation.**

Section 1. The Committee recommends that, for the purpose of consideration, all undergraduate organizations applying for representation shall be classified either as an activity or a society. Activities shall be those organizations whose membership is determined by competition open to the entire undergraduate body, or by electoral committee election. All other organizations shall be classified as societies.

Section 2. It shall be required that an activity or society applying for representation on the Institute Committee present proof that it has been in existence for three consecutive terms.

Section 3. Activities applying for representation may be admitted to the Institute Committee provided they fulfill the prerequisite time requirement, and meet one or more of the following standards:

1. **Financial Standard.** The activity must show that a minimum of one hundred men entered in competition for positions on the activity during one Institute term.

2. **Tradition Standard.** The activity must have traditions which, in the estimate of the Institute Committee, render it worthy of representation. The vote of two-

thirds of the members of the Institute Committee shall be necessary to admit an organization under this standard.

Section 4. Societies applying for representation on the Institute Committee may be admitted provided they fulfill the prerequisite time requirement, and one of the following requirements:

1. **Membership Requirement.** The society must present proof that its organization includes fifty active members. The society must present proof that its membership is open either to all undergraduate students or all members of an Institute course.

2. **Service Requirement.** The society must present proof to the Institute Committee that it has been and is of service to the Massachusetts Institute of Technology in one of the following lines:

a. Service to undergraduates.

b. Dissemination of technical knowledge.

The Institute Committee must decide by the vote of two-thirds of its members whether the service is of sufficient value to render the organization worthy of representation.

## ARTICLE XII.

### Changes in By-Laws.

Section 1. These By-Laws shall not be changed in any way so as to conflict with the Constitution of the Massachusetts Institute of Technology Undergraduate Association.

Section 2. Proper changes in these By-Laws may be made by two-thirds vote of the Institute Committee at any meeting of that body.

## POINT SYSTEM

The Point System is an institution which aims to prevent a student from carrying too much outside work to the detriment of his studies, and enables more men to take part in student activities. Every office and activity is assigned a definite number of points and no man may carry more than a total of ten points, except in the case of athletics, or the musical clubs, when he may carry any one other office, even though the two total more than ten points.

The system was put into operation by the Institute Committee in the fall of 1908 and is enforced by one of its standing committees.

The ratings of the Point System are as follows:

### The Classes.

President, Senior (10), Junior (9), Sophomore (7), Freshman (6); Vice-President (1); Secretary (3); Treasurer (5); Institute Committee (5); Executive Committee (1).

### Tech Show.

General Manager (10); Business Manager (9); Asst. Business Manager, Sophomore, (7); Cand. and Second Asst. Business Manager, Freshman (5); Advertising Manager (9); Asst. Advertising Manager, Sophomore (6); Cand. and Second Asst. Advertising Manager, Freshman (4); Stage Manager (9); Asst. Stage Manager, Sophomore (7); Cand. and Second Asst. Stage Manager, Freshman (5); Treasurer (9); Principals (6); Chorus (5); Ballet (5).

**Technique.**

Editor-in-Chief (10); Business Manager (9); Board, except Asst. Business Managers and Art Editors (8); Asst. Business Managers and Art Editors (6); Members and Candidates, Sophomore, Editorial Board (3); Members and Candidates, Sophomore, Business Board (3); Members and Candidates, Freshman, Editorial Board (3); Members and Candidates, Freshman, Business Board (3).

**"The Tech"**

General Manager (10); Editor-in-Chief (9); Treasurer (9); Managing Editor (8); Advertising Manager (8); Circulation Manager (8); Editor T. E. N. (8); Chairman Editorial Board (8); Department Editors (7); Associate Editors (7); Editorial Board (6); T. E. N. Board (6); News Staff (5); Business Staff (5); Candidates (5).

**T. C. A.**

President (7); Vice-President (1), Treasurer (4); Cabinet Members (1).

**Voo Doo.**

Editor-in-Chief (9); Managing Editor (8); Business Manager (8); Business Staff (4); Treasurer (6); Members of Board of Editors (5); Associate Editors (3); Assistant Editors (2).

**M. I. T. Orchestra.**

Manager (7); Conductor (6); Members (4).

### Musical Clubs.

General Manager (10); Asst. General Manager (6); Cand. for Asst. General Manager (5); Treasurer (7); Publicity Manager (5); Leaders (6); Members (4).

### Institute Committee.

Treasurer (9); Undergraduate Treasurer (6); Secretary (8); Members (5); Executive Committee (7); Walker Memorial Committee—Chairman (8), Members (5); Finance Committee—Chairman (7); Secretary (4); Dormitory Committee — Chairman (5), Members (1); other committees (1).

### Professional Societies.

President (3), if represented on Institute Committee (6); Vice-President (1); Secretary (2); Treasurer (2); Standing Committees (1).

### Clubs and Non-Professional Societies.

President (2); Secretary-Treasurer (1); Standing Committees (1); Junior Prom. Committee (7).

The captaincy of any team adds 1 point to the rating of membership for that team.

### M. I. T. A. A.

President (3); if Captain of Track Team (10); Vice-President (1); Secretary (1); Members (3); Members Advisory Council (6); Track Team—Captain (6), Manager (9), Manager (if on Advisory Council) (10). Assistant Manager (6), Candidates and



Second Asst. Manager (5), Members and Candidates (5); Cross Country Team—Members and Candidates (5); Wrestling Team—Manager (6), Asst. Manager (also Candidates for) (5), Members and Candidates (5); Hockey Team—Manager (6), Asst. Manager (5), Members and Candidates (5); Crew—Manager (5), First Asst. Manager (3), Second Asst. Manager (2); Swimming Team—Manager (5), Asst. Manager (2), Members and Candidates (5); Gym. Team—Manager (2), Asst. Manager (1), Members and Candidates (5); Tennis Team—Manager (2), Members (2); Class Teams—Managers (5), Members (3).

## M. I. T. A. A. RECORDS

Event	Record	Holder	Year
100-yard dash.....	10 1-5 s.....	R. S. Franklin..	1903
		C. W. Loomis...	1915
220-yard dash.....	22 s.....	C. W. Gram.....	1909
440-yard run.....	50 4-5 s.....	T. H. Guething..	1914
		C. T. Guething..	1916
880-yard run.....	1 m. 58 s.....	P. D. White....	1911
1-mile run.....	4 m. 24 4-5 s.....	R. G. Brown....	1915
2-mile run.....	9 m. 35 4-5 s.....	F. F. Cook.....	1915
120-yard hurdles....	16 2-5 s.....	F. L. Ovington..	1904
220-yard hurdles....	24 4-5 s.....	G. P. Burch....	1899
Shot put.....	42 ft. 1-4 in.....	F. H. Leslie....	1914
Hammer throw.....	138 ft. 6 in.....	Dandrow .....	1919
Discus throw.....	121 ft. 5 1-8 in.....	O. V. Chamberl'n	1911
High jump.....	6 ft. 1 1-2 in.....	C. D. Heywood..	1893
Broad jump.....	22 ft. 7 1-4.....	C. S. Reed.....	1916
Pole vault.....	12 ft. 0 in.....	Nagle .....	1919

**ASSIGNMENTS**

**ASSIGNMENTS**

**ASSIGNMENTS**

**ASSIGNMENTS**



**ASSIGNMENTS**

**ASSIGNMENTS**

## ASSIGNMENTS

# Technology Branch

## HARVARD CO-OPERATIVE SOCIETY

### The Students' Own Store

By joining the Society you become a storekeeper for yourself, just as absolutely as if you rented a store, put in a stock of goods and employed salespeople.

If you did start such a store wouldn't it be foolish to patronize any other store?

No matter what the selling price is, the ultimate cost to you is the best wholesale cost obtainable by large buying power, plus carefully managed and minimized selling cost. Everything else comes back to you in dividends.

Can you beat it? If this dividend is of no importance to you, you still help to make the store a success for the fellow who can't afford such luxuries as building up a business for anyone but himself.

**FROM:       Manager Co-operative  
              Society.**

**TO:           Members of M. I. T.**

**SUBJECT: Technology Barber Shop.**

---

May I call your attention to the Barber Shop of the Tech Branch of the Harvard Co-operative Society in the Tech Block, at 80 Massachusetts Avenue, oposite the Institute Buildings.

Barbers, who for some time have had Technology men for customers, are in this first-class, sanitary barber shop. I venture to invite your patronage.

---

**G. E. COLE**

*Managing Director*

## APPOINTMENTS

FROM  
 Society  
 TO:  
 Members of M. I. T.

SUBJECT: Technology Barber Shop

and way through all subject of

May I call your attention to  
 the Barber Shop of the Tech  
 Branch of the Harvard Co-  
 Operative Society in the Tech  
 Block at 30 Massachusetts  
 Avenue opposite the Institute  
 Buildings.

and give you the reason why  
 all Barber Shop for some time  
 you have had Technology manager  
 of our shop. We in this first  
 class barber shop.

I venture to invite your at-  
 tention.

I hope you will find my ad-  
 vice of interest and value.

C. A. COLLIER  
 Secretary, Director



**APPOINTMENTS**

**APPOINTMENTS**

**APPOINTMENTS**

**APPOINTMENTS**

**APPOINTMENTS**

**APPOINTMENTS**



**APPOINTMENTS**

**APPOINTMENTS**

**APPOINTMENTS**



**MEMORANDA**

## MEMORANDA

The first thing to do is to get a copy of the work which you are to do. This should be done as soon as possible, so that you can get a head start on it. It is also a good idea to get a copy of the work which you are to do, so that you can get a head start on it. It is also a good idea to get a copy of the work which you are to do, so that you can get a head start on it.

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## The Officers

President: John D. Jones  
 Secretary: William H. Smith  
 Treasurer: Robert L. Brown  
 Editor: Charles E. White  
 Business Manager: Thomas G. Green

## The Staff

Assistant Secretary: James K. Black  
 Assistant Treasurer: Edward F. Gray  
 Assistant Editor: George H. White  
 Assistant Business Manager: William L. Brown

The members of the staff are to be chosen by the members of the organization. It is the duty of the members of the organization to elect the members of the staff. It is also the duty of the members of the organization to elect the members of the staff.



**MEMORANDA**

**MEMORANDA**

**MEMORANDA**

**MEMORANDA**

**MEMORANDA**

**MEMORANDA**



**MEMORANDA**

## MEMORANDA

Section 2. The Executive Committee shall receive and consider all matters brought before it by the student body and shall report to the student body in such form and manner as the student body may direct. It shall also receive and consider all matters brought before it by the student body.

The Executive Committee shall hold regular meetings at such times and places as may be determined by the Executive Committee.

Section 3. It shall be the duty of the Executive Committee to enforce the laws of the student body and to see that they are properly enforced.

It shall be the duty of the Executive Committee to keep the records of the student body and to report to the student body at such times and in such manner as the student body may direct.

Section 4. The Executive Committee shall investigate all reported offenses against the laws of the student body and shall report to the student body at such times and in such manner as the student body may direct. It shall also receive and consider all matters brought before it by the student body.

Section 5. The Student Body shall elect a Student Body Officer at such times and in such manner as the student body may direct. It shall be the duty of the Student Body Officer to enforce the laws of the student body and to see that they are properly enforced. It shall also receive and consider all matters brought before it by the student body.

## MEMORANDA

The space given the following Churches and Young Men's Christian Associations was paid for by them.

## Epworth Methodist Episcopal Church

Massachusetts Avenue, opposite Water-  
house Street, Cambridge

**WELCOMES "TECH" STUDENTS**  
to her Services and Fellowship

**Rev. Elmer A. Leslie, Ph.D., Pastor**

---

A Church with an open mind, modern  
outlook, friendly spirit and  
vital religious aim

---

**You Will Find a Warm Church Home**

---

10.30 A. M. Morning Worship with  
sermon.

12.00 M. Epworth Class, for young men  
and women, largely composed of  
students. Informal discussions,  
based on selections from the Bible.  
Opportunity for social fellowship.

6.30 P. M. Epworth League. A frank,  
free discussion on a topic of prac-  
tical, religious interest.

7.30 P. M. Evening Musical Services of  
Worship begin October 3. Selec-  
tions will be played by trios and  
quartets from the Boston Sym-  
phony Orchestra. Brief sermon by  
pastor.

The pastor and his wife are at home  
to students the first Sunday afternoon  
of each month, from 3 to 5.00, at the  
parsonage, 38 Langdon St.

# OLD SOUTH CHURCH

(Third Church, 1669)

Boylston and Dartmouth Streets

B O S T O N

---

Rev. GEORGE A. GORDON, D.D.,  
Minister

Rev. ARCHIBALD BLACK,  
Associate Minister

---

## SUNDAY

10.30 A.M. Public Service.  
12.00 M. Church School (Classes for  
Men).  
7.30 P.M. Public Service.

## FRIDAY

8.00 P.M. Public Service in Chapel.  
(Dr. Gordon's Addresses:  
November to February.)

---

**The Old South Club**, an organization of the men of the church, meets on the second Monday of each month from October to April. Dinner is served at 6.30, and is followed by an address upon some topic of general interest by a speaker of eminence. A special invitation to attend the meetings of the club and to become members is extended to Technology students. Full particulars will be gladly furnished by the Corresponding Secretary, Mr. F. M. Erlenbach, 40 State Street, Boston.



# Mount Vernon Church

Beacon St. and Massachusetts Ave.  
BOSTON, MASS.

---

Minister

REV. SIDNEY LOVETT

Associate

MR. JOHN C. WILEY

---

## SUNDAY SERVICES

Morning Worship.....	10.30
Church School.....	12.00
Young People's Social Hour and Evensong .....	5.45
Evening Service .....	7.45

## MID-WEEK SERVICE

Wednesday Evening at 7.45

---

This Church is peculiarly a student and young people's church. It is not a club, but a crusade. Its services and its fellowship are for all who may choose its worship and its work.

ROMAN CATHOLIC

# St. Mary's Annunciation Church

Norfolk Street, Central Square  
CAMBRIDGE

---

Rev. M. J. DOODY, P.R., Pastor  
Rev. W. P. McNAMARA  
Spiritual Director, M. I. T. Catholic Club

---

**SUNDAY MASSES: 7, 9, 10.30, 11.30**

FROM  
A FRIEND

# First Church in Boston

## 1630

Corner of  
Berkeley and Marlborough Sts.

---

Founded by Gov. John Winthrop and his company of Puritans immediately on their arrival in these parts.

---

Since 1870 affiliated with the  
Unitarian Fellowship.

---

Minister.....Rev. Charles E. Park  
Organist....Mr. John P. Marshall

A Chorus Choir of Twenty  
Mixed Voices

Morning Service at 10.30

Sunday School at 9.45

---

You are cordially invited to join the Students' Club. Please look for notices on the Bulletin Board in Walker Memorial.



## SAID A "TECH" MAN

*"This is the place to be on Sunday evening. Haven't had such a good time since coming to Boston."*

He was speaking of the  
**STUDENTS' SOCIAL CLUB**  
of the  
**FIRST BAPTIST CHURCH**  
**OF BOSTON**

Which cordially invites you to its  
**SUNDAY EVENING MEETINGS**  
7.30 P. M. In the Chapel  
Commonwealth Ave., Cor. Clarendon St.

---

### WE GO BY THIS SCHEDULE:

- 7.30—Informal Social,  
8.00—Special Music,  
8.05—Talk by one of  
**Boston's Best Speakers**
- 8.30—Refreshments,  
8.45—20 Minute "Sing"

**AND EVERYBODY LIKES IT**

---

Membership Includes Men and Women  
from 31 of Boston's Schools and Colleges



# First Church in Cambridge

(UNITARIAN)      FOUNDED 1636

---

## HARVARD SQUARE

---

SAMUEL McCHORD CROTHERS, D.D.,  
Minister

Residence: 20 Oxford Street

MR. DAN. H. FENN, Student Ass't  
Office: 3 Church Street

---

## SUNDAY SERVICES

11 A. M. Morning Service.

5 P. M. Informal Service of the  
Junior Parish, followed  
by a social half-hour.

---

Technology students are cordially invited to make this Church their church home while in Cambridge, and, particularly, to join the JUNIOR PARISH, an organization of over 200 young people, which has charge of the Sunday afternoon services, holds monthly parties with informal dancing, and carries on dramatic and social service work.

Students interested are invited to communicate with Mr. Fenn.





# St. Paul's Cathedral

136 TREMONT ST., BOSTON

Opposite Park St. Subway Station

Rt. Rev. William Lawrence, D.D., Bishop  
Very Rev. Edmund S. Rousmaniere, D.D.,  
Dean

## SUNDAY SERVICES:

- 8.00 A.M. Holy Communion.  
10.00 A.M. Holy Communion on the Second and Fourth Sundays.  
Morning Prayer on the First, Third and Fifth Sundays.  
11.00 A.M. Sermon and Holy Communion on the First, Third and Fifth Sundays.  
Morning Prayer and Sermon on the Second and Fourth Sundays.  
4.00 P.M. Evening Prayer and Sermon.  
7.15 P.M. Singing of Hymns.  
7.30 P.M. Service and Address.

## WEEK DAYS (Daily)

- 8.00—Holy Communion; 10.00—Morning Prayer; 12.10—Noonday Service; 5.00—Evening Prayer.

## Thursdays and Holy Days

- 11.00 A.M. Holy Communion.

## THE OPEN CHURCH

The Cathedral is open throughout the day for rest and prayer.



## DID YOU KNOW

That the financial success of this Handbook is dependent upon the obtaining of advertisements? Care has been taken to solicit and admit only advertisements of firms which have established reputations for honesty and fairness in business dealings.

We recommend to the patronage of Technology men the firms advertising in these pages, knowing that they will be accorded courteous and satisfactory treatment.

The bearer of this Handbook will confer a special favor on the Technology Christian Association by trading with our advertisers and letting them know that their ads. were seen in the Technology Handbook.

## CASH ACCOUNT—FEBRUARY

	Received	Paid	

**J. FRANK FACEY**  
**PRINTER**

36 Prospect Street, Cambridge

**THE**  
**TECHNOLOGY CHRISTIAN**  
**ASSOCIATION**

**Is at Your Service at All Times**

**BASEMENT, WALKER MEMORIAL**

**D. COHEN**  
**FINE TAILORING**

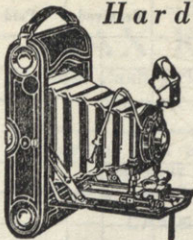
Special Attention and Rates to Students

**316 NEWBURY STREET**

Corner Hereford      Tel. Back Bay 3222





**J. B. HUNTER COMPANY***Hardware*

Autographic  
Vest Pocket  
Kodaks, \$9.50  
Fountain Pens,  
with Ink Tabs,  
\$2.50, up  
Wrist Watches,  
with protector,  
\$6.00

Army Knives,  
\$2.50 to \$3.50

Safety Razor Outfits, \$1.00 to \$5.00

60 Summer St., Boston

**WM. BERTSCH & CO.**

Manufacturers of

**Leather Specialties for  
Advertising**

**Y. M. C. A. Handbooks**

N. E. Cor. Sixth and Arch Streets

**PHILADELPHIA**



**OLD CLOTHES WANTED**

—BY—

**MAX KEEZER**

Highest Cash Prices Paid for Your  
Cast-off Clothing

Will call at your room day or evening  
at your pleasure.

1256 Massachusetts Avenue  
**CAMBRIDGE**

Telephones: 302, 52936. If one is busy,  
call the other.

**SNAPPY STYLE AND  
STURDY WEAR**

Shoes of Special Leathers and  
Lasts, designed and constructed for  
Students' needs, priced conserva-  
tively and liberally guaranteed.

**CAMBRIDGE SHOE STORE**

595 Massachusetts Ave.

At Central Subway Station

**CAMBRIDGE**



For 40  
years machinists  
have shown an  
increasing pref-  
erence for the  
products of  
The L.S. Starrett  
Company





## **Frost's Hand Laundry**

**Fine Laundry Work a Specialty**

One Day Service if you must have it. We take Dry Cleansing and do all length gloves for 10c. per pair.

**OUR COLLAR AND SHIRT WORK  
IS THE BEST OBTAINABLE  
WHY DELAY? SEND NOW!**

**195 MASSACHUSETTS AVENUE  
BOSTON, MASS.**

Telephone, 1625 Back Bay  
Laundry, 696 Columbus Avenue

Telephone Main 5571

**Charles H. Johnson**  
M. I. T. '05

**New England Mutual  
Life Insurance Co.**

**176 FEDERAL STREET, BOSTON  
BOSTON, MASS.**



# BURTON-FURBER COAL CO.

---

Sole Retail Agents

Crozer-Pocahontas Coal

---

Selected Grades of

## ANTHRACITE COAL

---

Main Office, 50 Congress Street  
Wharf, 120 Border Street  
EAST BOSTON



# DOWN TOWN RENDEZVOUS

For T. C. A. Men

Your membership ticket  
entitles to use of

**LIBRARY** over 14,000 volumes

BOOKS to Assist You in Various Ways  
130 Magazines and Periodicals

## RECEPTION ROOM

A Place to meet Your Friends

Small Extra Charge for

## GYMNASIUM

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## CALENDAR, 1920-1921

## SEPTEMBER

S	M	T	W	T	F	S
..	..	..	1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	...	..

## OCTOBER

..	..	..	..	..	1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31	...	...	...	...	...	...

## JANUARY

..	..	..	..	..	..	1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31	...	...	...	...	...

## FEBRUARY

..	..	1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	...	...	...	...	...

## MARCH

..	..	1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31	...	..
...	...	...	...	...	...	...

## APRIL

..	..	..	..	..	1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

## NOVEMBER

S	M	T	W	T	F	S
..	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	...	...	...	..

## DECEMBER

..	..	..	1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	..
...	...	...	...	...	...	...

## MAY

1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31	...	...	...	..
...	...	...	...	...	...	...

## JUNE

..	..	..	1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	...	..

## JULY

..	..	..	..	..	1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31	...	...	...	...	...	..

## AUGUST

..	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31	...	...	..

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## RECITATION SCHEDULE—FIRST PERIOD

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	
9-10							9-10
10-11							10-11
11-12							11-12
12-1							12-1
1-2							1-2
2-3							2-3
3-4							3-4
4-5							4-5



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	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	
9-10							9-10
10-11							10-1
11-12							11-12
12-1							12-1
1-2							1-2
2-3							2-3
3-4							3-4
4-5							4-5

**RECITATION SCHEDULE—THIRD PERIOD**

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	
9-10							9-10
10-11							10-11
11-12							11-12
12-1							12-1
1-2							1-2
2-3							2-3
3-4							3-4
4-5							4-5

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