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HANDBOOK

OF THE

Massachusetts

Institute of Technology

Twenty-second Edition

(Fourth Independent T. C. A. Edition)

1918-19



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Presented by the

TECHNOLOGY CHRISTIAN
ASSOCIATION

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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.



President Maclaurin

AN HISTORICAL SKETCH

The history of the Institute is intimately bound up with the lives of two great men, William Barton Rogers and Francis Amasa Walker. 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 Massachusetts Institute of Technology was founded.

The Institute opened in 1865 with a class of 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 must have closed 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, when Walker died, like Rogers, at his post, there were 1200 students. Of far more consequence, though, than the mere growth in numbers, was Walker's influence upon the intellectual and moral tone of the school. His courage, energy and enthusiasm, and aggressive endorsement of the Institute's plan of education, were the main elements in its successful development.

INSTITUTE CALENDAR**1918-1919****First Term**

Sept. 30, Monday. **FIRST TERM** of the year 1918-1919 begins.

Oct. 9, Wednesday. Stated meeting of the Corporation.

Oct. 12, Saturday. Columbus Day (exercises suspended).

Nov. 9, Saturday. End of the first six weeks of the term.

Nov. 16, Saturday. End of the first seven weeks of the term.

Nov. 28, Thursday. Thanksgiving Day (exercises suspended).

Dec. 11, Wednesday. Stated meeting of the Corporation.

Dec. 21, Saturday. First year students file choice of courses.

Dec. 25 to Jan. 1, inclusive. Christmas recess.

Jan. 15, Tuesday. Last exercise of the first term.

Jan. 26 to Feb. 2, inclusive. Recess.

INSTITUTE CALENDAR**Second Term**

Feb. 3, Monday. **SECOND TERM** begins. Registration completed.

Feb. 22, Saturday. Washington's Birthday (exercises suspended).

March 1, Saturday. Applications for Graduate Scholarships due for next school year.

March 12, Wednesday. Stated meeting of the Corporation.

March 15, Saturday. End of the first six weeks of the term.

March 31, Monday. Limit of time for making up first term deficiencies.

April 7, Monday. Applications for Undergraduate Scholarships due for next school year. Applications for Cambridge Scholarships must be made in May or June.

April 16, 17, 18. Recess.

May 23, Friday. Last exercises of the second term.

May 24, Saturday. Theses due.

May 24 to June 6. Final examinations.

May 30, Friday. Memorial Day (exercises suspended).

June 6, Friday. Stated meeting of the Corporation.

June 9, Monday. Class Day.

June 10, Tuesday. Graduation.

June 16-21, Monday to Saturday. College Entrance Board Examinations.

June 11 to Sept. 21, inclusive. Summer vacation.

POINTERS TO FRESHMEN

College Colors are cardinal red and silver gray.

Learn the Institute songs and yells.

Subscribe for the Institute publications and keep in touch with Institute affairs.

Join a Freshman discussion group.

Do not fail to go to Field Day.

Wear your uniform and bear yourself in a soldierly manner.

Don't fail to salute every commissioned officer that you meet. Technology is judged by the care with which you render this courtesy.

Medical advices may be had, free of charge, from the Institute medical adviser.

A list of recommended rooming houses is published in this handbook.

Watch the bulletin boards in the various buildings for notices of Institute affairs.

Cards for the Boston Public Library may be obtained at the Information office.

Always rise and remove your hat when the Stein Song is played or sung.

A list of local churches is published in this book.

Join the Y. M. C. A.

Join the Harvard Co-operative Society, Technology Branch.

The office of the T. C. A. is in Room 8-111. The General Secretary will be glad to see you there at any time.

Go out for some activity. Don't be dead!

THE WORDS OF THE FOUR PRINCIPAL TECH SONGS

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 its' 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 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

First

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.

Second

Oh, back to the days that were free from
 care,
 In the 'Ology 'Varsity shop,
 With nothing to do but analyze air
 In an anemometrical 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.

Third

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.

DEAR OLD M. I. T.

The sun with glowing crimson
Has ting'd the sky's dull gray;
The glory of the sunset
Uplifts our flag today;
While here beneath our colors,
With hearts that never yield,
Our boys are fighting onward,
Fighting onward 'cross the field.

Chorus:

Fight on boys, we are cheering for you,
For we want you to win today;
Do your best, we are all behind you,
And you're wearing the Red and Gray.
Though the odds may be great against
you,
Full of sturdy courage be;
And we'll raise a song of victory
For dear old M. I. T.

Before old Harvard's crimson,
Before the rows of Brown,
Before the green of Dartmouth
Our colors will not down;
Though Amherst's white and purple
Bid the Red and Gray to yield,
Our cheer, still strong and clear, boys,
Will ring across the field.

Chorus:

On the days that are before us
We will gather as of yore,
And raise in swelling chorus,
The grand old cheer once more.
And when the battle's over
Then at the close of day,
Once again we'll raise our colors,
Victory crowns the Red and Gray.

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!

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 have got 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 possible 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, published by a board of Juniors. Its object is to preserve, in compact and artistic form, a record of Technology life and activities for the year in which it appears. For several years past it has included the Senior Portfolio, containing a picture of each Senior and statistics concerning him.

The Board of Publication consists of an Editor-in-Chief, Business Manager, Treasurer, and department editors for Athletics, Portfolio, Societies, Faculty, Grinds, Statistics, Photographs and Art. According to a recent ruling, the Business Manager and Associates, and the Treasurer are elected as a result of a competition run by the members of the previous board. The Art Editor is also chosen by competition. The other editors are chosen during the Sophomore year by an Electorical Committee of twenty-five men elected by the class for this purpose. To get a position on the **Technique Board** is a distinct honor.

The book is introduced to the student body at the Technique Rush, the first event of Junior Week. Twenty copies autographed by the President of the Institute, are fought for by those who have the necessary pluck and nerve to enter the Rush. The first four and twentieth books are free.

The standard of **Technique** has always been high, and it stands today in the front rank of College year-books.

THE TECH

The Tech is the students' newspaper of the Institute. Formerly it was issued tri-weekly during the college year, but since the entrance of the United States into the war, it has appeared twice a week continuously, and will do so until the end of the present conflict. It is edited and published entirely by undergraduates. The paper includes within its scope the reporting of undergraduate activities at the Institute, the doings of Technology Alumni in the United States and abroad, and articles dealing with affairs not directly connected with the Institute but bearing particular interest to the readers of the paper.

Positions on the staff of **THE TECH** are usually filled by men from the three lower classes, elected by competition, to which all undergraduates are eligible.

Attempts made during past years to obtain and present more accurate information upon the subjects written for publication by **THE TECH'S** news staff have given the accounts an increasing reliability.

Subscription \$1.50 for 53 issues; 3c a copy.

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 the largest activities at Technology, about a hundred and fifty men taking part in its production. Several performances are given in Boston, and trips are made to various New England cities, where the Show enjoys the reputation of being one of the ~~foremost college dramatic productions. All profits realized last year went to the support of the University Club in Paris.~~

The **Tech Show** is one of the few large college activities entirely managed by undergraduates. Competitions for positions in the Management are held during the fall term and all students are allowed to compete. The actual production of the play is commenced at the beginning of the second term, when a call for candidates for the cast, chorus, ballet and orchestra is issued. Competitions for lyrics and music are held at various times during the fall. The scenery and costumes, also designed by undergraduates, are chosen by competition, and as a result the most modern ideas in staging are presented.

COMBINED MUSICAL CLUBS

The Institute is represented by three musical clubs organized under one management known as the Combined Musical Clubs. Of these, the Glee Club is the oldest, having been founded in 1884. In 1886 a combined Mandolin, Banjo and Guitar Club was organized, but broke up into the Mandolin Club and the Banjo Club in the following year, which have since flourished.

The clubs vary in membership from ten to twenty-five, the Glee Club being the largest. Each club has a leader and an assistant leader who drill the men with the help of a professional coach. The requirements for admission are not strict, and men with a reasonable amount of instrumental skill or of a good voice should not hesitate to try out. Trials for candidates are held at the beginning of the fall term and all men are picked by competition.

The management of the Combined Clubs consists of a General Manager, a Publicity Manager, and a Treasurer. In addition to these are two Assistant Managers who are Freshmen, chosen at mid-years. Competition for Assistant Manager opens at the beginning of the fall term and offers a splendid training to a Freshman who has an inclination toward executive work. As in the other activities, the holding of one of the minor positions the first year leads to a better position the second year, and so on to the position of General Manager in the Junior Year.

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, in normal times, with Princeton, 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.

TENNIS

Within the past two years, tennis at the Institute has been developed to a considerable extent. In the Fall, a team tournament open to all Technology students is held. The winner is awarded a $\tau\tau$. Positions on the team are obtained through elimination matches, the four highest men on the list comprising the team. Subsequent changes in the ranking may be made by challenges. Besides the 'Varsity, there is also a Freshman team, last year both teams had attractive schedules, the 'Varsity making a trip to Yale and Trinity College, as well as playing a good many matches at home.

WRESTLING

Due to the various factors, such as lack of veteran material, inability to obtain intercollegiate competition, and accidents to the best men, the wrestling team last year suffered a bad season. However, the substitution of wrestling by the freshmen in place of gymnasium work was even more popular than ever, and interclass competition was the prevailing spirit of the season. Members of the 'Varsity team, and Mr. Gracey, are always ready to coach the new men, so that Freshmen need not hold back from taking up wrestling for lack of previous training.

SWIMMING

The record established by the Technology Varsity swimming team is one that places it among the best in the country. Although our representatives have met the fastest college teams in the East, they have not been defeated for the past three years. The season consists of from eight to twelve dual meets with such colleges as Brown, Wesleyan, Amherst, U. of P., Princeton, U. S. Naval Academy, and Yale. As the team is a member of the Intercollegiate Swimming Association, a representation is sent annually to the Individual Intercollegiate Championships.

The coach issues a call for candidates shortly after Field Day, and each man is given individual attention. Most of the Institute's best swimmers have been developed from men who have had no previous experience whatsoever. Practice is held at the Boston Y. M. C. A. tank, and may be substituted by Freshmen in place of calisthenics.

The freshman team has a schedule of ten meets with the leading academy and college freshman teams. The freshman relay team is sent to the Intercollegiate Championship match. Late in the season the class championships are held.

THE VOO DOO

The Voo Doo is a combination of The Technology Monthly and The Woop Garoo. It strives to bring before the students an outline of the activities of the month, and also pictures of interest about the Institute. In addition to this it contains a department of original humor, both stories and cartoons. All positions on the board and staff are open to competition.

Freshmen have a wide field in which to exercise their talents on this magazine as men are needed for the business, art and editorial departments. Any freshman is eligible for membership on the staff, and this will lead to a position of greater responsibility if he proves himself capable. Subscription, \$1.00 a year; 15 cents a copy.

CREW

With the removal of the Institute to the banks of the Charles, in 1916, Crew naturally came to the foreground. It is now a fully recognized sport, being a member of the M. I. T. A. A. and interesting probably as many men as any other sport, with the possible exception of Track. Last Fall the second annual Field Day Race was held. Numerals and points were not awarded however. Last Spring, however, the Advisory Council on Athletics made the Crew Race a part of the regular Field Day Program, specifying it would count four points, therefore the crew race goes a good way toward winning Field Day. The winning crew and its manager are now also awarded numerals. The Freshman crew race high schools and prep schools such as Noble, Greenough, and Middlesex. Crew should appeal strongly to the Freshmen as it required very little extra time and it may be substituted for the compulsory gym work. Three positions on the managing staff of the Crew are open to Freshmen. Awards are made after a short competition among the candidates during the Fall and early Spring months.

FIELD DAY

Field Day is the big day of the year at Technology for athletics. It is a safe and sane substitute for the old-fashioned cane rush, the Freshmen and Sophomores being the gladiators. A football game, a relay race, crew race and a tug-o'-war furnish the carnage, and Tech Night at one of the Boston theatres and the Field Day Dinner for the competitors help to re-establish peace. Field Day is especially important to the Freshmen as it is their first chance to get together and show their spirit as a class. Class numerals are awarded to the winning relay, crew, and tug-o'-war teams and to both football teams. In the score the football game counts five, the crew race four, the relay race four, and the tug-o'-war two, so that to win a Field Day and the right to have its numerals engraved on the Field Day cup, a class must win a majority of points.

RIFLE CLUB

The Rifle Club stands unique among Institute organizations as the only one backed and supported by the United States Government. In return for this assistance the War Department expects the club to turn out from inexperienced men as many fair riflemen as possible, and herein lies the dominant objective of the association.

In following out this policy, however, the Team is not neglected, and in 1915 this club succeeded in winning the Inter-collegiate championship of the United States, at the same time breaking all pre-

vious records. The Team is open to all members of the club, and is granted the Institute insignia.

The Rifle Club makes an especially attractive proposition for Freshmen, as the dues are low and the time expended small, necessitating no neglect of that all important subject of study.

THE CO-OPERATIVE SOCIETY

The Technology Branch of the Harvard Co-operative Society is a real student co-operative store started and conducted by the Harvard Society which has been in existence for thirty-five years and is one of the most successful in the country.

It aims to supply all student needs in the way of books, instruments, stationery, clothing, haberdashery, shoes, sporting goods, furniture, etc., either directly or through affiliated stores. A new sanitary barber shop has recently been opened in the Tech Block for the convenience of the students. You can join the Technology Branch by paying a membership fee of one dollar, and this entitles you to a dividend on all of your purchases to be paid at the end of the year so that it will give you a clear idea of your savings.

Goods are marked at moderate commercial prices and then all of the surplus over cost of goods and carefully minimized cost of selling, goes to make up the dividend.

A slack business piles up overhead charges. Every lessening of these charges will in this store work to the advantage of the ticket holders. Consequently, it is your duty to yourself and your fellow students to aid in making this Technology store a success.

CLASS OFFICERS

1919

President.....Robert P. Hackett
 Vice-President.....James W. Reis, Jr.
 Secretary.....Charles J. Parsons
 Treasurer.....John S. Coldwell
 Institute Committee

W. H. Banks, G. C. McCarten

Executive Committee

John Meader, Amos N. Prescott

1920

PresidentJohn C. Nash
 Vice-President.....John J. Hines, Jr.
 Secretary.....Leland D. Wilson
 TreasurerVaughn J. Byron
 Institute Committee

E. D. Ryer, F. L. Bradley

Executive Committee

J. W. Kellar, W. M. B. Freeman

1921

President.....Rollin F. Officer
 Vice-President....Lawrence W. Trowbridge
 Secretary.....John N. Worcester
 Treasurer.....Donald F. Carpenter
 Institute Committee

Waldo Adams, G. Bawden

Executive Committee

W. R. Barker, W. D. Morrison

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 |
| Assistant Business Manager..... | 7 |
| Candidates and 2nd Asst. Bus. Mgr.. | 5 |
| Advertising Manager | 9 |
| Assistant Advertising Manager..... | 6 |
| Candidates and 2nd Asst. Adv. Mgr. | 4 |
| Stage Manager | 9 |
| Asst. Stage Mgr. (Second term)..... | 7 |
| Candidates and 2nd Asst. Stage Mgr.. | 5 |
| Stage Director | 8 |
| Treasurer | 9 |
| Principals | 6 |
| Chorus | 5 |

Technique

| | |
|---|----|
| Editor-in-Chief | 10 |
| Business Manager | 9 |
| Board, except Asst. Business Mgrs. and Art Editors | 8 |
| Asst. Business Managers..... | 6 |
| Asst. Art Editors..... | 6 |

The Tech

| | |
|--|----|
| General Manager | 10 |
| Editor-in-Chief | 9 |
| Managing Editor | 9 |
| Treasurer | 9 |
| Assistant Treasurer | 5 |
| Advertising Manager | 8 |
| Circulation Manager | 8 |
| News Board | 7 |
| Assistants' News Board..... | 6 |
| Business Board | 6 |
| Membership and Candidates Editorial Staff | 5 |
| Members and Candidates Business Staff | 5 |

T. C. A.

| | |
|----------------------|---|
| President | 7 |
| Vice-President | 1 |
| Treasurer | 4 |

The Voo Doo

| | |
|-------------------------------|---|
| Editor-in-Chief | 9 |
| Managing Editor | 8 |
| Editors | |
| Assistant Manager Editor..... | 5 |
| Business Manager | 8 |
| Publicity Manager | 7 |
| Advertising Manager | 6 |
| Circulation Manager | 6 |
| Treasurer | 6 |
| Art Editor..... | 5 |
| Staff Photographer | 5 |
| Members Business Staff..... | 4 |
| Members Editorial Staff..... | 3 |

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 2nd Asst. Mgr..... | 5 |
| Members and Candidates..... | 5 |
| Cross Country Team: | |
| Members and Candidates..... | 5 |
| Wrestling Team: | |
| Manager | 6 |
| Assistant Manager (also Candidates for) | 5 |
| Members and Candidates | 5 |
| Hockey Team: | |
| Manager | 6 |
| Assistant Manager | 5 |
| Members and Candidates | 5 |
| Crew: | |
| Manager | 5 |
| 1st Assistant Manager..... | 3 |
| 2d Assistant Manager..... | 2 |
| Swimming Team: | |
| Manager | 5 |
| Assistant Manager | 2 |
| Members and Candidates | 5 |
| Gym. Team. | |
| Manager | 2 |
| Assistant Manager | 1 |
| Members and Candidates | 5 |
| Tennis Team: | |
| Manager | 2 |
| Members | 2 |
| Class Teams: | |
| Managers | 5 |
| Members | 3 |

M. I. T. Orchestra

| | |
|-----------------------------|---|
| Manager | 7 |
| Conductor | 6 |
| Members (first term) | 5 |
| Members (second term) | 4 |

Musical Clubs

| | |
|--|----|
| General Manager | 10 |
| Assistant General Manager | 6 |
| Candidates for Asst. General Manager | 5 |
| Leaders | 6 |
| Members (first term) | 5 |
| Members (second term)..... | 4 |

Institute Committee

| | |
|---------------------------|---|
| Treasurer | 9 |
| Secretary | 8 |
| Members | 5 |
| Executive Committee | 7 |

Union 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 Com.) | 6 |
| Vice-President | 1 |
| Secretary | 2 |
| Treasurer | 2 |
| Standing Committees | 1 |

Club and Non-Professional Societies

Officers' Club:

| | |
|---------------------------|---|
| President | 6 |
| Vice-President | 1 |
| Secretary-Treasurer | 2 |

All Others:

| | |
|----------------------------|---|
| President | 2 |
| Secretary-Treasurer | 1 |
| Standing Committees | 7 |
| Junior Prom Committee..... | 7 |
| All Other Committees..... | 1 |

A man, being a member of the Institute Committee by virtue of some other office which he holds, shall have only the points attached to the office, provided they exceed or equal five (5); otherwise he shall have the five points only attached to the Institute Committee membership.

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

The Stage Director or Stage Manager of Tech Show may take part in the show (either cast or chorus) without additional points.

TECHNOLOGY CHRISTIAN ASSOCIATION

Officers

Scott H. Wells, '20.....President
Norris G. Abbott, '20.....Vice-President
Creighton B. Stanwood, '20.....Treasurer

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 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 officers, heads of departments and chairmen of all committees. In the interim of Cabinet meetings, the business of the Association is carried on by the Executive Committee, which is made up of the officers and the heads of departments.

History

Previous to 1895, there was an organization of a few men known as the Technology Christian Union. In 1895 this was dis-

banded, 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, with an Advisory Board which has financial responsibility, and employs a General Secretary. Its affiliation is recognized with the Intercollegiate Young Men's Christian Association of North America.

DEPARTMENTS

Student Service

L. E. Boyden, '20, Chairman.

In charge of the Freshman Advisory System of providing upper classmen to aid Freshmen during the opening days of the year, the maintenance of an information bureau during registration, the investigation of rooming and boarding places, the employment bureau, the promoting of friendly work for foreign students, and the work of keeping in touch with undergraduates who have entered the service.

Administration

C. B. Stanwood, '20, Chairman.

Publishes the "Tech Bible," carries on the Membership and Finance campaigns, keeps up the office files and other clerical work, conducts the book exchange, and carries on all advertising and other business of the Association.

Religious Education

N. G. Abbott, '20, Chairman.

Conducts the Discussion Groups for Freshmen and upper classmen, provides speakers for T. C. A. Talks, and for fraternities, secures attractive, recent books for recreational reading, aids students in establishing congenial church relations, and in general promotes thinking on intellectual and religious questions.

Community Service

Gerald Tattersfield, '20, Chairman.

Secures students to teach English to foreigners, to become leaders of boys' clubs, to give talks to boys' organizations, to give entertainment in settlement houses, and makes an old clothes collection.

Committees

Freshmen Advisors—Dean K. Webster.

Employment Bureau—S. L. Vadner.

Rooms Investigation—H. C. Chidsey.

Foreign Students—Albert Calvert.

Army and Navy—

Information Bureau—Joseph H. McEvoy.

Book Exchange—Edwin R. Clark.

Freshman Discussion Groups—Robert Patterson.

Recommended Recreational Reading—Harold W. Bibber.

Relief—Murray Whitaker.

Church Co-operation.

"Tech Bible"

Editor-in-Chief—B. H. Sherman.

Assistant Editor—W. H. Leonori.

Business Manager—George F. Gokey.

Assistant Business Managers—Joseph N. Wiegand, Elmer W. Davis, Albert H. Blake.

ADVISORY BOARD

Executive Committee

P. R. Ziegler, '00, Chairman.

H. S. Ford, Treasurer—Bursar, M. I. T.

Alfred E. Burton—Dean, M. I. T.

Prof. A. E. Norton.

F. R. Kneeland.

Prof. George B. Haven, '94.

Walter B. Snow, '85.

Co-operation

William C. Ewing, '97—Superintendent, Wells Memorial Institute.

Arthur S. Johnson—President, Boston Y. M. C. A.

Frank L. Locke, '86—President, Boston Y. M. C. U.

Prof. Charles F. Park, '92—Director Lowell Institute School for Industrial Foremen.

Walter B. Russell, '97—Director Franklin Union.

Arthur L. Williston, '89—Principal, Wentworth Institute.

Finance

A. Farwell Bemis, '93—Member of Corporation, M. I. T.

Leonard C. Wason, '90.

Henry Morse, '72.

Francis R. Hart, '89.

Charles Eaton, '85.

George Wigglesworth—Member of Corporation, M. I. T.

CHURCHES

These churches in Boston** are those attended most largely by Tech men. Most of these have an active group of Technology students who will welcome you. The churches in Cambridge* are those most largely attended by Harvard men. All of them have special classes for students. Wear your M. I. T. button when you go to church as it will help other Technology men to identify you.

For a more complete list of service see the Church Directory of the Saturday Evening edition of the Boston Transcript.

Appleton Chapel, Harvard University. Service at 11.00 a. m. Selected preachers, some of the best in the country.

BAPTIST

The First Baptist Church in Boston**—Founded 1665, cor. Clarendon St. and Commonwealth Ave. Rev. Austen Kennedy DeBlois, D. D.; Ph. D., minister. Sunday morning service, 10.30. Technology Class 12:00-12:45. Student Sunday Night Socials, 8 p. m.

Old Cambridge Baptist Church*—Between Mass. Ave. and Harvard St., near the Harvard Union. Rev. Woodman Bradbury, pastor. Students' Bible Class, 12:00, Christian Endeavor, 7.00 p. m.

CONGREGATIONAL

Central Church**—Corner Berkeley and Newbury Sts. Rev. Willard L. Sperry, minister. Morning service, 10.30. Vesper Service, 4.30.

Mount Vernon Church**—Just across the river, cor. Beacon St. and Mass. Ave. Robert J. Watson, assistant minister. Sunday Services, 10.45 a. m. and 7.45 p. m. Young People's Social Tea, 6 p. m. Young People's Discussion Hour, 6.45 p. m.

Old South Church**—Copley Square, Rev. Geo. A. Gordon, D. D., minister. Rev. Willis H. Butler, associate. Sunday Services, 10.30 a. m. and 7.30 p. m. Young Men's Bible Class, 12 M.

First Church in Cambridge (Cong.)*—Opposite the Washington Elm, Cambridge Commons. Cor. Garden and Mason Sts. Rev. Raymond Calkins, minister. Morning service, 10.30 a. m. Evening service, 4.30 Nov. to May. Young People's Alliance for students, 7.15 p. m. Address and discussion followed by social hour and refreshments.

Union Congregational Church**—Columbus Ave. and West Newton Sts. Rev. Ernest Graham Guthrie, minister. Mr. F. L. Fay, assistant. Sunday service, 10.30 a. m. and 7.30 p. m. Special classes for students, 12.10. Young People's meetings, 6.30 p. m. Fireside socials, program and refreshments, 5 p. m.

Prospect St. Congregational—Near Central Sq., Cambridge. Rev. Wm. Macnair, pastor. Morning service, 10.30 a. m. Evening service, 7.30 p. m. Christian Endeavor, Young People's, 6.30 p. m.

EPISCOPAL

Trinity Church in the City of Boston**—Copley Square. Clergy—Rev. Alexander Mann, D. D., rector; Residence, 233 Clarendon St. Rev. Reuben Kidner, assistant minister. Rev. Gabriel Farrel, assistant minister. Sunday services, Holy Communion, 8 a. m. Also a second Communion at 10.30 a. m. on the first Sunday of the month. Morning service and sermon, 10.30 a. m. Evening prayer and sermon, 4 p. m.

UNITARIAN

The Second Church in Boston**—Audubon Circle on Beacon St. Samuel Raymond Maxwell, minister. Sunday service, 11 a. m.

First Church in Cambridge*—Rev. S. M. Crothers, pastor. Morning service, 11 a. m. Young People's Meeting, 7.45 p. m.

METHODIST

Epworth Methodist Church*—Mass Ave. opposite Cambridge Commons. Rev. Dr. Elmer A. Leslie, pastor.

People's Temple**—Columbus Ave. and Berkeley St. Rev. A. H. Nazarian, pastor.

Bromfield-Tremont**—Concord and Tremont Sts. Rev. Kelley, Jenness.

Harvard St. M. E.*—Rev. E. A. Elliott, D. D. 177 Hancock St., Cambridge.

Grace Methodist*—Magazine St., Cor. Perry. Rev. H. I. Bailey, 19 Cottage st., Cambridge.

LUTHERAN

St. Mark's English Evangelical**—Winthrop St., Roxbury. Five minutes from Dudley St. station.

PRESBYTERIAN

First Presbyterian Church**—Columbus Ave. and Berkeley Sts. Rev. Isaac Ward, D.D., Minister.

First United Presbyterian Church*—Inman Square. Rev. E. A. McGarey, minister.

ROMAN CATHOLIC

The Cathedral**—Washington and Union Park Sts.

St. Cecelia**—Belvidere and St. Cecelia Sts., near Boylston St. and Mass. Ave. Rev. John J. McGarry, Administrator. Sunday Masses, 6, 7, 8, 9, 10, 11 and 11.30 a. m.

St. Paul's Church*—Mt. Auburn St., cor. Holyoke St. Rev. John Ryan, pastor.

CHRISTIAN SCIENTIST

The Mother Church**—Norway, Falmouth and St. Paul Sts. Mr. Bicknell Young, First Reader. Sunday services, 10.45 a. m. and 7.30 p. m.

JEWISH

Temple Adath Israel*—Commonwealth Ave. and Blanford St. Harry Levi, rabbi. Services Saturday, 10.30 a. m. and Sunday 11 a. m.

FRATERNITIES AT TECHNOLOGY

| | | |
|--------------------------|------|--------------------|
| Sigma Chi | 1067 | Beacon St. |
| Theta Xi | 283 | Newbury St. |
| Delta Psi..... | 428 | Charles River Road |
| Chi Phi | 44 | The Fenway |
| Delta Kappa Epsilon, | 104 | Charles River Rd. |
| Phi Beta Epsilon.. | 400 | Charles River Road |
| Delta Upsilon | 526 | Beacon St. |
| Sigma Alpha Epsilon..... | 484 | Beacon St. |
| Delta Tau Delta..... | 4 | Ames St. |
| Phi Gamma Delta.. | 491 | Commonwealth Ave. |
| Phi Sigma Kappa..... | 517 | Beacon St. |
| Theta Chi..... | 161 | Bay State Rd. |
| Phi Kappa Sigma..... | 203 | Bay State Road |
| Alpha Tau Omega..... | 37 | Bay State Road |
| Theta Delta Chi..... | 334 | Harvard St. |
| Lambda Phi..... | 493 | Commonwealth Ave. |
| Lambda Chi Alpha.... | 200 | Bay State Road |
| Beta Theta Pi..... | 179 | By State Road |
| Kappa Sigma.... | 512 | Commonwealth Ave. |

SOCIETIES

| | |
|------------------|------------|
| K ₂ S | Vectors |
| Pi Delta Epsilon | Osiris |
| Theta Tau | The Beaver |
| Masque | |

CLUBS

| | |
|---------------------|--------------------|
| Walker Club | Chauncey Hall Club |
| Technology Club | Chess Club |
| Cosmopolitan Club | Wireless Society |
| Chinese Club | Rifle Club |
| Aero Club | Officers' Club |
| Cleofan | Catholic Club |
| (Women's Club) | Menorah Society |
| Latin-American Club | |

PROFESSIONAL SOCIETIES

| | |
|-------------------------|-------------------------------|
| Civil Engineering.. | Pres. M. F. Connors, '19 |
| Mechanical Engineering | Pres. B. S. Chayne, '19 |
| Chemical..... | Pres. D. K. Webster, Jr., '19 |
| Naval Architecture... | Pres. P. L. Rhodes, '19 |
| Electrical Engineering, | Pres. P. M. Blye, '19 |
| Corporation XV.. | Pres. C. W. Drew, Jr., '19 |

I. C. A. A. A. RECORDS

| Event | Record | Holder | College |
|-------------------|---------------------|-------------------|-----------------|
| 100-yards dash.. | 9 4-5 s. | B. J. Wefers.... | Georgetown |
| | | R. C. Craige.... | Michigan |
| 220-yards dash.. | 21 1-5 s. | B. J. Wefers.... | Georgetown |
| | | R. C. Craige.... | Michigan |
| | | D. F. Lippincott | Pennsylvania |
| 440-yards run... | 47 2-5 s. | J. E. Meredith.. | Pennsylvania |
| 880-yards run... | 1 m. 53 s. | J. E. Meredith.. | Pennsylvania |
| 1-mile run..... | 4 m. 14 2-5 s. | J. P. Jones..... | Cornell |
| 2-mile run..... | 9 m. 23 4-5 s.. | J. S. Hoffmire... | Cornell |
| 120-yds. hurdles. | 15 s. | F. S. Murray.... | Leland Stanford |
| 220-yds. hurdles. | 23 3-5 s. | A. C. Kraenzlein | Pennsylvania |
| | | J. I. Wendell... | Wesleyan |
| Shot put..... | 48 ft. 10 3-4 in.. | R. L. Beattie.... | Columbia |
| Hammer throw.. | 165 ft. 3-4 in. ... | H. P. Bailey.... | Maine |
| High jump..... | 6 ft. 4 1-2 in... | W. M. Oler..... | Yale |
| Broad jump..... | 24 ft. 4 1-2 in. . | A. C. Kraenzlein | Pennsylvania |
| Pole vault..... | 13 ft. 1 in. | R. A. Gardner... | Yale |

N. E. I. A. A. RECORDS

| Event | Record | Holder | College |
|-------------------|--------------------|------------------|------------|
| 100-yards dash.. | 9 4-5 s. | A. B. Kelly..... | Holy Cross |
| 220-yards dash.. | 22 2-5 s. | A. B. Kelly..... | Holy Cross |
| 440-yards run... | 49 3-5 s. | J. D. Lester.... | Williams |
| 880-yards run... | 1 m. 55 3-5 s.. | N. S. Taber..... | Brown |
| 1-mile run..... | 4 m. 18 3-5 s.. | N. S. Taber..... | Brown |
| 2-mile run..... | 9 m. 35 3-5 s.. | R. W. Atwater.. | Tufts |
| 120-yds. hurdles. | 15 2-5 s. | A. B. Shaw..... | Dartmouth |
| 220-yds. hurdles. | 24 2-5 s. | W. A. Savage... | Bowdoin |
| Shot put..... | 47 ft. 10 1-2 in. | L. A. Whitney.. | Dartmouth |
| Hammer throw.. | 164 ft. 8 1-4 in.. | H. P. Bailey.... | Maine |
| Discus throw.... | 135 ft. 5 9-10 in. | L. A. Whitney.. | Dartmouth |
| High jump..... | 6 ft. 7-16 in.. | P. W. Dalrymple | Technology |
| | | H. B. Enright... | Dartmouth |
| Broad jump..... | 23 ft. 10 1-2 in.. | H. T. Worthing'n | Dartmouth |
| Pole vault..... | 12 ft. 6 1-4 in.. | M. S. Wright... | Dartmouth |

M. I. T. A. A. RECORDS

| Event | Record | Holder | Year |
|-------------------|----------------------|-------------------|------|
| 100-yards dash.. | 10 1-5 s. | R. S. Franklin.. | 1903 |
| | | C. W. Loomis... | 1915 |
| 220-yards dash.. | 22 s. | C. W. Gram..... | 1909 |
| 440-yards run... | 50 4-5 s. | T. H. Guething. | 1914 |
| | | C. T. Guething. | 1916 |
| 880-yards 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-yds. hurdles. | 16 2-5 s. | F. L. Ovington.. | 1904 |
| 220-yds. hurdles. | 24 4-5 s. | G. P. Burch..... | 1899 |
| Shot put..... | 42 ft. 1-4 in. ... | F. H. Leslie.... | 1914 |
| Hammer throw.. | 130 ft. 10 in. | L. G. Metcalf.... | 1912 |
| 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 in. ... | C. S. Reed..... | 1916 |
| Pole vault..... | 11 ft. 7 in. | W. C. Sallsbury. | 1911 |

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 relection, 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 Architecture Society
- Walker Memorial Committee
- Finance Committee
- Dormitories 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 publication for 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 during the year from the original section reading:

"The officers of the Institute Committee shall consist of a President, Vice-President and Secretary-Treasurer," etc.

The amendment was necessary on account of the greatly increased work of the office in question. The Institute Committee voted at the Ninth Meeting, January 4th, to recommend the change to the Undergraduate Association; and the vote was taken at mid-year registration, after the usual thirty day posting:

| | |
|-------------------|-----|
| Affirmative | 387 |
| Negative | 4 |

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 Committee shall be the:

Walker Memorial Committee,
Point System Committee,
Bulletin Board Committee,
Budget 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 Point System Committee and Bulletin Board Committee shall be chosen from the membership of 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 Budget Committee shall serve on the Finance Committee and the chairman of the Finance Committee shall serve on the Budget Committee.

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.

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, so far as possible, prevent any activities 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 the first of the 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 Committee 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 present proof that its annual budget exceeds \$2,000.00.

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

3. 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.

ASSIGNMENTS

Read these footnotes—they're in rhyme,

ASSIGNMENTS

ASSIGNMENTS

ASSIGNMENTS

Is the one best way to come out on top.

ASSIGNMENTS

ASSIGNMENTS

ASSIGNMENTS

ASSIGNMENTS

Technology Branch

HARVARD CO-OPERATIVE
SOCIETY

The Students' Own Store

By joining the Society you become a shareholder for yourself, just as absolutely as if you rented a store but in a stock of goods and employed assistants.

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

We 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 the 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.

For any kind of out-door sport.

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 a new Barber Shop just opened by the Tech Branch of the Harvard Co-operative Society in the Tech Block, at 96 Massachusetts Avenue, opposite 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

ASSIGNMENTS

FROM: Manager of
Technology Branch
Society

HARVARD CO-OPERATIVE
Members of M. I. T.

SUBJECT: Technology Barber Shop
The Students' Own Store

I call your attention to a
new Barber Shop just opened
by the Tech Branch of the
Harvard Co-operative Society
in the Tech Block at 98 Mas-
achusetts Avenue, opposite
the Institute Building.

and Barber, who for some time
have had Technology men for
customers, are in the first
class, sanitary barber shop.
I venture to invite your part-

tonage
C. F. COLE
Managing Director

ASSIGNMENTS

| | |
|------|-------|
| M.V. | 12.00 |
| ... | 7.50 |
| ... | 10.00 |
| ... | 7.50 |
| ... | 20.00 |
| ... | 7.50 |
| ... | 12.00 |
| ... | 7.50 |
| ... | 12.00 |
| ... | 7.50 |

ASSIGNMENTS

Paid in,

| | |
|--------------------|-------|
| M.I.T. | 15.00 |
| Burton Furber | 15.00 |
| Chas. Johnson | 7.50 |
| Cambridge Y.M.C.A. | 15.00 |
| L.P. Knott | 7.50 |
| A. Shuman | 20.00 |
| Moore | trade |
| Walton | 7.50 |
| B.L. Makipeace | 15.00 |
| J.B. Hunter | 7.50 |
| Merriman Chem. | 15.00 |
| Armstrong Trans. | 7.50 |

7

ASSIGNMENTS

Paid Out

Postage 1.00

101 Southborough

B.B. 7331 J.

Miss Elizabeth Neil

Sackville St Lynn

2957 M Lynn

Miss Jean M. Hicks

100 Riverway

Bl. 56783

Miss Eleanor O'Rourke

145 Freeman St.

Brimfield

Bl. 6766

ASSIGNMENTS

| | |
|------------------------|-------|
| Paul [unclear] | |
| [unclear] | |
| Boston [unclear] | 10.00 |
| Chas Johnson | 7.50 |
| Cambridge [unclear] | 15.00 |
| L. B. [unclear] | 1.50 |
| A. [unclear] | 20.00 |
| [unclear] | 10.00 |
| Watton | 7.50 |
| B. L. [unclear] | 15.00 |
| J. B. Hunter | 7.50 |
| Murphy Chem | 15.00 |
| Construction [unclear] | 7.50 |

ASSIGNMENTS

Miss Grace Sledge
109 Gainsborough
B.B. 7331 J.

Miss Elizabeth Neil
Sachem St Lynn
2957 M Lynn.

Miss Jean M. Hicks
100 Riverway
Br. 56783

Miss Eleanor O'Reordan
145 Freeman St.
Brookline.
Br. 6766

ASSIGNMENTS

This book belongs
 101 Pennsylvania
 O.R. 7331-1!

This book belongs
 to the
 2907 M. H. H.

This book belongs
 to the
 O.R. 52773

This book belongs
 to the
 O.R. 52773

ASSIGNMENTS

APPOINTMENTS

The stock we carry Tech men need,

APPOINTMENTS

It's A-1 class you've all agreed.

APPOINTMENTS

Remember the scheme of dividends,

APPOINTMENTS

Apples .

Squash

Grapfruit
fruit

butter

yeast cakes,

APPOINTMENTS

Maurice Greene
68 Hancock St
Boston Mas -

Mrs Robinson
Myrtle St 390

Joseph Bryant
61 Ruggles St.
Roxbury

1661 Beacon
Mrs. J. J. Murray

APPOINTMENTS

- Citron not in
 Currants
 12 Nutmegs
 Raisins
 Ground Cloves
 ✓ Semons Fri.
 Tapioca Flake, Thuis
 ✓ Graham }
 Brand. }
 ✓ Cake chocolate
 ✓ 3 yeast cakes.
 ✓ Cheese Eggs
 ✓ Lamb
 Sugar

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321 Corn'w'ith Ave.
Not rentable

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319 Cornith Ave.

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257 Malborough

279 Com.

287 Com.

430 Thurs.

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✓ J. D. K. Willis

50 State St.

583 Beacon St.

2 P.M. Sat.

MEMORANDA

Meredith + Grew

15 Congress St.

490 Beacon St. Priv.

S. 367 Malborough St.

R 377

238 Malborough

Keys,

455 Beacon

MEMORANDA

✓ Chas. E. Loud
75 State St.
31 Bay State Rd
Main 766
Mr. Wasson.
475 Beacon
445 Thuro

MEMORANDA

✓ Codman v Street
15 State St.
375 Corn^{er} weath Ave
\$35,000
will not rent.

MEMORANDA

Front Rank

1. Van Nesti, R.

2.

3. Scott, G. A.

4.

Rear Rank.

1.

2.

3.

4.

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| 487 | Charles Michener | 2.00 |
| 491 | Mrs. Margaret McVey | 4.00 |
| 503 | Mrs. E. Hanson | 2.50 to 4.00 |
| 520 | Mrs. A. C. Savage | 2.00 to \$1.00 |
| 521 | Brandenburg | 2.00 |
| 528 | Mrs. J. O. Dean | 2.00 to \$1.00 |
| 528 | Mrs. Minnie S. Bennett | 2.25 |
| 540 | Mrs. J. W. Tinsley | 2.00 |
| 541 | Bigelow Street | |
| 549 | Mrs. Robert Dickson | 2.200 to \$4.20 |
| 561 | Annin Street | |
| 567 | Mrs. R. W. Hub | 2.50 to \$4.00 |
| 570 | Mrs. M. A. Jordan | 2.00 |
| 571 | H. H. Crane | 2.00 to 7.00 |
| 572 | Mrs. Sarah J. Birwell | 2.00 |
| 573 | Charles Rivers Road | |
| 574 | Mrs. Chilton M. Ramsey | 4 |
| 575 | Clinton Street | |
| 576 | The Mince Road | 2.00 to \$2.50 |
| 577 | Mrs. H. J. McLeod | 2.15 to 7.00 |
| 578 | Dana Street | |
| 579 | Mrs. M. W. Thayer | 2.100 to \$2.00 |
| 580 | Lawrence Street | |
| 581 | Mrs. Margaret F. Baird | 2.15 to \$2.75 |

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The prices indicated are for one in a room. For two, they would be somewhat less per person.

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Bigelow Street

10 Mrs. J. W. Trakey..... 2.00

28 Mrs. Minnie S. Bennett.. 2.25

38 Mrs. J. G. Ryan..... 2.50 to \$4.00

Broadway

320 Mrs. A. C. Savage.....\$2.00 to \$4.00

393 Mrs. C. B. Hanson..... 2.50 to 4.00

401 Mrs. Margaret McEvay.. 4.00

467 Charles McHugh..... 3.00

473 Mrs. L. M. Clark..... 3.50

Center Street

7 Mrs. H. W. Huff.....\$5.00 to \$6.00

7½ Mrs. M. A. Boyden.... 3.00

14 H. R. Chase..... 5.00 to 7.00

22 Mrs. Sarah J. Birtwell... 4.00

Charles River Road

311 Mrs. Clinton M. Pomeroy

Clinton Street

2 The Misses Fosdick.....\$3.00 to \$3.50

24 Mrs. H. J. McCleod..... 1.75 to 7.00

Dana Street

67 Mrs. M. W. Thayer.....\$3.00 to \$5.00

DeWolf Street

5 Miss Margaret Phelan...\$1.75 to \$2.75

Ellery Street

| | | | |
|----|-------------------------|-----------|--------|
| 8 | Mrs. E. B. O'Brien..... | \$2.00 to | \$4.00 |
| 15 | Miss Mary P. Blair..... | 2.50 to | 6.00 |
| 54 | Mrs. R. A. Andrews..... | 2.00 to | 2.50 |

Frost Terrace

| | | | |
|---|---------------------------|--|--|
| 1 | Mrs. Eliz. B. Tibbetts... | | |
|---|---------------------------|--|--|

Hammond Street

| | | | |
|----|--------------------------|-----------|--------|
| 80 | Mrs. L. G. Nickerson.... | \$2.00 to | \$2.50 |
|----|--------------------------|-----------|--------|

Hancock Street

| | | | |
|-----|------------------------|---------|--------|
| 104 | Mrs. G. F. Griggs..... | \$4.00 | |
| 122 | Miss Lucy A. Bacon.... | 4.00 to | \$5.00 |
| 136 | Mrs. A. Alexander..... | 2.50 | |

Harvard Street

| | | | |
|------|-------------------------|-----------|--------|
| 269 | Mrs. F. H. Mosher..... | \$4.00 to | \$6.00 |
| 284 | Mrs. Grace Wilson..... | 3.00 to | 5.00 |
| 307 | Mrs. N. Douglas..... | 2.00 to | 4.00 |
| 315 | Mrs. C. N. Wilcox..... | | |
| 326 | Mrs. H. A. Sparrow..... | 2.50 to | 5.00 |
| 342 | Mrs. G. F. Urling..... | 2.00 to | 6.00 |
| 352 | Mrs. A. A. Estabrook... | | |
| 356A | Mrs. Jennison | 2.50 to | 3.50 |

Inman Street

| | | | |
|------|--------------------------|-----------|--------|
| 64 | Miss S. J. Gunnison.... | \$3.50 to | \$5.00 |
| 104A | Mrs. Catherine O'Donnell | | 3.00 |

Lee Street

| | | | |
|----|-----------------------|-----------|--------|
| 15 | Mrs. N. M. Dodge..... | \$2.00 to | \$4.00 |
| 16 | Mrs. Mary R. Howard.. | 2.00 to | 5.00 |

Magazine Street

| | | | |
|-----|--------------------------|-----------|--------|
| 22 | Mrs. Richard Watts.... | \$2.00 to | \$3.50 |
| 22 | Mrs. D. T. Walters..... | 2.25 to | 5.00 |
| 33 | Mrs. Belle W. Wallis... | 4.00 to | 6.00 |
| 44 | Mrs. P. E. Reynolds.... | 3.50 | |
| 59 | Mrs. H. MacLean..... | 2.50 | |
| 66 | Mrs. Wetherell | 4.00 to | 6.00 |
| 69 | Mrs. A. P. Farnham.... | 3.00 | |
| 128 | Mrs. Ida J. Holmes.... | 2.50 to | 3.50 |
| 131 | Mrs. Alice G. Cooper.... | | |
| 140 | Mrs. W. I. Jackson..... | 3.00 to | 4.00 |
| 140 | Mr. E. T. Clark..... | 3.00 | |
| 147 | Mrs. H. A. Cartwright.. | 3.00 to | 3.50 |

Massachusetts Avenue

| | | | |
|------|-------------------------|-----------|--------|
| 46 | Mrs. E. A. Maynard..... | \$5.00 to | \$6.00 |
| 46 | Mrs. Lucy M. Ray..... | 3.00 to | 7.00 |
| 46 | Mrs. Helena Aker..... | | |
| 48 | Mr. W. K. Merrill..... | 5.00 to | 8.00 |
| 929 | Mrs. W. H. Gray..... | 2.00 to | 7.50 |
| 930 | Lewis L. Bryant..... | 2.00 to | 4.00 |
| 947 | Mrs. W. S. Russell..... | 2.75 to | 3.00 |
| 953 | Mrs. Vinna Carl..... | 3.00 to | 5.00 |
| 957 | Mrs. Mary Connell..... | 2.00 to | 6.00 |
| 973 | Mrs. Mary M. Collins... | 2.00 to | 3.00 |
| 1010 | Mrs. W. J. Armstrong.. | 4.00 | |
| 1039 | Mrs. A. F. Towle..... | 3.00 to | 5.00 |
| 1039 | Avery L. Rand..... | 5.00 | |
| 1039 | Mrs. B. Phippen..... | 4.00 to | 5.00 |

Pleasant Street

| | | | |
|----|------------------------|-----------|--------|
| 19 | Mrs. E. D. Stuber..... | | |
| 31 | Mrs. S. F. Norris..... | \$2.00 to | \$3.00 |

Trowbridge Street

| | | | |
|----|------------------------|-----------|--------|
| 11 | Mrs. Annie Clarke..... | \$3.00 to | \$6.00 |
| 25 | Mrs. M. Mansell..... | 2.50 to | 7.00 |
| 33 | Mrs. G. S. Eddy..... | 2.00 to | 6.00 |

Williams Street

| | | | |
|----|-------------------------|-----------|--------|
| 28 | Mrs. Sheldon | | |
| 28 | Mrs. J. M. Dawson..... | \$3.00 to | \$4.00 |
| 28 | Mrs. Emma E. Dickman. | 2.50 to | 5.00 |
| 34 | Mrs. H. W. Gaskill..... | | |
| 36 | Mrs. D. A. Snow..... | 2.00 to | 3.00 |

BOSTON**Boylston Street**

| | | | |
|------|-------------------------|-----------|--------|
| 1079 | Miss C. E. Dunklee..... | \$5.00 to | \$7.00 |
| 1088 | Ross H. Maynard..... | 4.00 to | 6.00 |
| 1091 | Mary A. Pillsbury..... | 3.00 | |

Gainsboro Street

| | | | |
|----|-------------------------|-----------|--------|
| 69 | Bessie E. Goodwin..... | \$4.00 to | \$6.00 |
| 73 | Miss M. Millar..... | 2.50 to | 5.00 |
| 73 | Mrs. M. A. Baker..... | 3.00 to | 4.00 |
| 78 | Mrs. Harvey | 5.00 | |
| 80 | Mrs. C. E. Atwood..... | 8.00 | |
| 83 | G. E. Bent..... | 3.50 | |
| 84 | Mrs. M. G. Campbell.... | 5.00 | |
| 96 | Miss A. G. Thomson.... | 4.00 to | 6.00 |

| | | | |
|-----|--------------------------|---------|------|
| 97 | Annie M. Salling..... | 5.00 to | 7.00 |
| 101 | Mrs. Agnes Drew..... | 4.00 to | 5.00 |
| 105 | Edward M. Stanyan.... | 3.50 to | 6.00 |
| 107 | Mrs. L. S. Whittier..... | 3.00 to | 6.00 |
| 115 | Mrs. H. R. Brackett.... | 3.00 to | 5.00 |

Marlboro' Street

| | | | |
|-----|-------------------------|-----------|---------|
| 409 | Mrs. W. M. Browne..... | | |
| 421 | Dr. Arthur W. Weyssse.. | \$6.00 to | \$10.00 |
| 427 | Mrs. E. E. Everett..... | 5.00 to | 7.00 |

Newbury Street

| | | | |
|-----|-------------------------------------|-----------|--------|
| 11 | Mrs. Augusta G. Dan- forth | \$1.75 to | \$9.00 |
| 12 | Mrs. Florence E. Coffin.. | 4.00 to | 12.00 |
| 31 | Homer McDonough..... | | |
| 85 | Mrs. J. C. McKenna.... | | |
| 95 | Mrs. E. M. Keyes..... | 4.00 to | 12.00 |
| 121 | Mrs. A. S. Shoemaker.. | | |
| 137 | Mrs. H. H. Harrison.... | 5.00 to | 11.00 |
| 211 | Miss George..... | | |
| 212 | Mrs. C. H. Gilbert..... | 4.00 to | 8.00 |
| 217 | Mrs. Telfer | 6.00 to | 11.00 |
| 218 | Mrs. Selina Ball..... | 4.00 to | 6.00 |
| 225 | Mrs. Thomas Grady.... | 3.00 to | 9.00 |
| 265 | Mrs. C. H. Robinson.... | 8.00 to | 12.00 |
| 285 | Miss Elizabeth Ryan.... | 3.50 to | 4.00 |
| 290 | Mrs. Walter H. Rice.... | 3.50 to | 4.50 |
| 301 | The Colonial House.... | | |
| 308 | Mrs. Kate S. Jewell.... | 8.50 to | 12.50 |
| 376 | Mrs. S. Andrews..... | | |
| 424 | Mrs. Mary M. Tyrell.... | \$2.00 to | \$3.00 |
| 428 | Mrs. M. A. Lynch..... | 3.00 to | 9.00 |
| 546 | Mrs. J. R. Parker..... | 2.50 to | 6.00 |
| 562 | Mrs. Warner | 3.00 | |

St. James Street

| | | | |
|-----|------------------------|---------|--------|
| 82 | Mrs. H. W. Noble..... | \$6.00 | |
| 86 | Mrs. Mary S. Dee..... | 3.00 to | \$5.00 |
| 100 | Mrs. L. B. Gardner.... | 3.00 to | 8.00 |

St. Stephens Street

| | | | |
|----|--------------------------|-----------|--------|
| 52 | Harriett M. Higgins.... | \$3.00 to | \$6.00 |
| 53 | Mrs. Ella M. Courser.... | 2.50 to | 7.00 |
| 47 | Ellen Young | 3.50 to | 8.00 |
| 72 | Mrs. J. A. Manion..... | 3.00 to | 6.00 |
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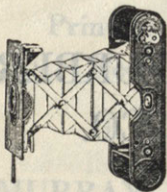
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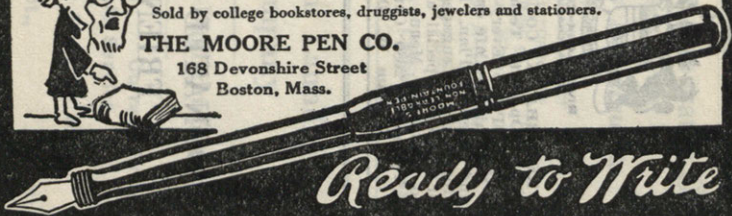
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| MATERIAL TO BE CUT | NO. OF BLADES | | NO. OF BLADES | NO. OF BLADES | NO. OF BLADES |
|--------------------|---------------|------------------------|---------------|---------------|---------------|
| | As Filed | Feathers or Split Back | | | |
| Light Angles | | | 118 | | |
| Light Channels | 100 | | | | |
| Light Tee Iron | | | | | |
| Light Oranges | | | | | |
| Heavy Angles | | | 118-B | | |
| Heavy Channels | 112 | | | | |
| Heavy Tee Iron | | | | | |
| Light Oranges | | | | | |
| Heavy Channels | 112 | | | | 204-B |
| Cast Iron Pipe | 100 | 114 | | 201 | 200 |
| Brass Pipe | | | | | |
| Soft Iron | | | 114 | 104-B | 104-B |
| Cold Chisel | 100 | 100-B | | 104-C | 104-C |
| Machine Steel | | | | | |
| Cast Steel | 100 | | 114 | 104 | 104 |
| Cast Steel | 112 | | 114 | 104 | 104 |
| Cast Steel | 100 | | 114 | 104 | 104 |

One blade per page. 100 104 104-B 104-C
 One 10 page 100 104

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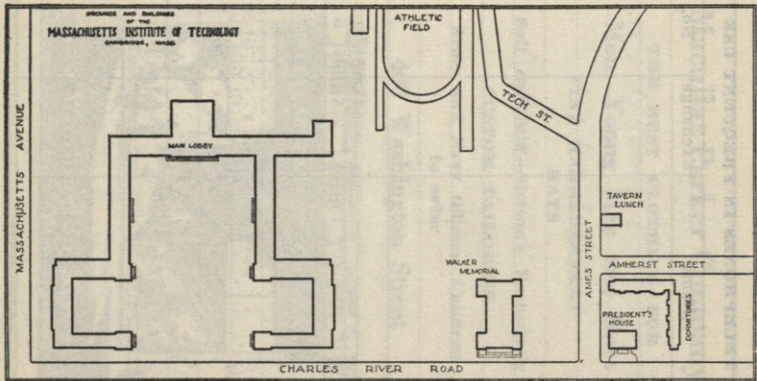
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CALENDAR, 1918

JANUARY

| S | M | T | W | T | F | S |
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FEBRUARY

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MARCH

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MAY

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AUGUST

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SEPTEMBER

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OCTOBER

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NOVEMBER

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DECEMBER

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CALENDAR, 1919

JANUARY

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FEBRUARY

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MARCH

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JULY

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AUGUST

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SEPTEMBER

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OCTOBER

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NOVEMBER

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DECEMBER

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| 28 | 29 | 30 | 31 | .. | .. | .. |

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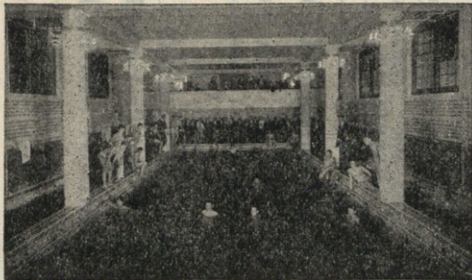
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RECITATION SCHEDULE—FIRST TERM

| | Monday | Tuesday | Wedn'd'y | 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 |

RECITATION SCHEDULE—SECOND TERM

| | Monday | Tuesday | Wedn'd'y | 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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