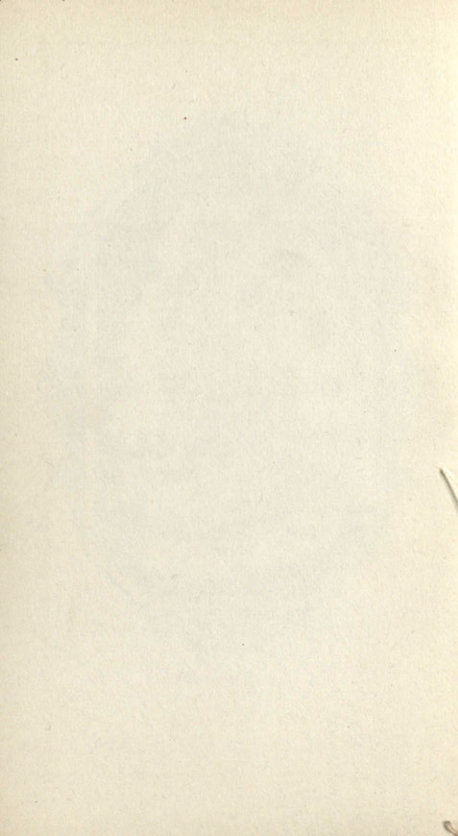




1928



THE  
HANDBOOK

VOL. XXXII

THE MASSACHUSETTS  
INSTITUTE OF  
TECHNOLOGY



*"Mens et Manus"*

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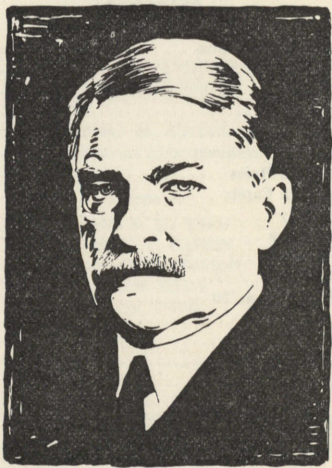
The sketches in the book were taken from a series of pencil drawings made at the time of the dedication by Birch Burdette Long. The portraits are by George Shatz.

This book presented by:  
The Technology Christian Association



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OFFICE OF THE PRESIDENT

Again the Institute throws open its doors to a new Freshman Class, and bids them welcome to a great intellectual opportunity.

The Institute cannot promise each of you an education. It will merely guarantee to provide a rich field of experience through which you may more efficiently educate yourself. This field consists of various opportunities - studies first, of course, student activities, athletics, social life, and contacts with successful men. The proper blending of these will make for better men, sending into the world at the end of four years a graduating class of men fit for responsible duty in many of the most important fields of endeavor, of which Technology may ever be proud.

*S W Stratton*

Samuel W. Stratton, President.

# CALENDAR, 1928-29

## OCTOBER

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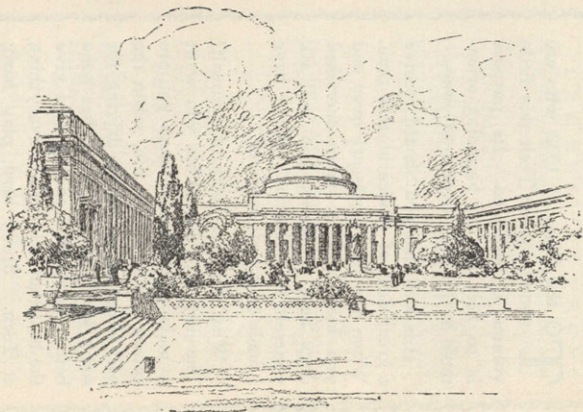
## FOREWORD

**T**O the Class of 1932 who are about to enter Tech this little volume is dedicated. Its purpose is to help you in becoming orientated in this new venture of yours.

It is well that you should receive a great deal of advice at this time. When the four years are over and you look back at your cherished days here at school you will ask yourself this question, "What have I made of myself at Tech?"

What will you make of yourself? The answer is; just what you want to make. Right now when you are entering into a new life, when the past is behind you, start driving for some goal. Forget what has gone before, be it good or bad, and give the best that is in you to everything at Tech. Study hard, play hard; that the answer may be what you want it to be.

The Editor.



THE GREAT COURT

## HISTORY

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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 certain land in Back Bay be set apart for a polytechnic college; and in the fall of that year the Institute was founded.

When the Institute 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. Despite 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 in the 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. At the time of his death there were twelve hundred students, but of far more consequence than the mere growth in numbers, was General Walker's influence upon the intellectual and moral tone of the school. His courage, energy, enthusiasm, and aggressive furtherance of the Institute's plan of education, were the main elements in its successful development.



## *The Handbook*

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After General Walker's death, Prof. 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. Doctor Pritchett had 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 affiliation between the Institute and Harvard University was carefully considered, but it was finally 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 was donated for the establishment of a technical school at Harvard, and which it was thought might be used to pay Harvard professors at Technology. The Supreme Court finally decided that any such plan would be a violation of the McKay trust. Consequently, there is no connection whatever between the two institutions except for the School for Public Health Officers, for graduate students.

Doctor 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. Doctor 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 building at Cambridge in 1916, put the Institute at the service of the Government in the time of war, and then labored for an endowment fund which should leave him free to carry out his plans for more perfect organization for usefulness. Worn out by his successful struggle for money, he died on



## *Nineteen Twenty-Eight*

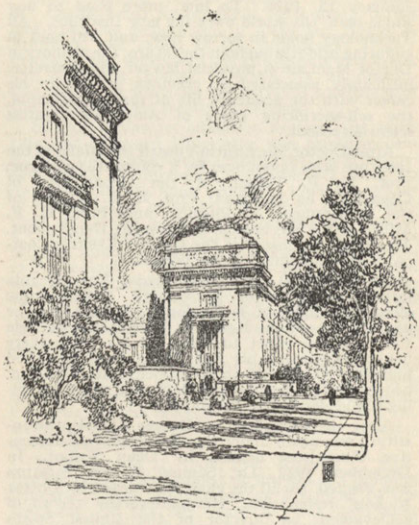
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January 15, 1920. To him, more than to any single man, the world owes the new Institute. All Technology holds in sorrow now, and will hold in enduring pride throughout the future, the memory of Doctor MacLaurin, physicist, lawyer, administrator, intimately associated at previous periods in his career with the academic life of three continents, the self-sacrificing guide of America's greatest scientific school.

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

On March 30, 1921, Dr. Ernest Fox Nichols former president of Dartmouth College, was elected president of Technology. At that time he was Director of the Research Laboratories at Nela Park. In an effort to finish all his work there before he entered his new duties he overworked himself. As a result, on the advice of his physician, he resigned his new post without ever really assuming the leadership of Technology.

After the resignation of Doctor Nichols, the Institute was again under the direction of an Executive Committee headed by Dean Talbot. In December, 1922, Dr. Samuel Wesley Stratton was elected to fill the chair left vacant by Doctor Nichols' resignation. His noteworthy record of achievement as director of the United States Bureau of Standards, which he organized from a small institution to a now internationally famous bureau, augurs well for the Institute's future, and it is confidently expected that Technology, under President Stratton's leadership, will constantly increase its reputation as being America's foremost scientific school. Although assuming office on January 1, Doctor Stratton was not officially inaugurated until June, 1923.



ALONG THE CHARLES

## TECHNOLOGY

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THE dream of a greater Technology came into being during the month of June in 1916 for it was at this time that the dedication took place of the new Technology buildings on the Charles River Basin and also the corner stone of Walker Memorial was laid. A few facts about the new buildings will not be amiss at this time. The architecture of Mr. William Bosworth, '89, and the contractors were Stone & Webster, of Boston, both of the class of '88. The first start of the construction of the new units was in April, 1914, at which time the first cement was poured into the forms. Practically the entire foundations are on piles which have been driven from 15 to 40 feet to bed rock. Approximately 25,000 piles were used. The total cost of the complete plant as planned originally by Mr. Bosworth will be approximately \$10,000,000. The buildings themselves are constructed of reinforced concrete faced with Indiana limestone. Towering above the rest of the group is the main dome under which is found the library. This dome is 150 feet in height and the buildings are four stories.

Walker Memorial is a gift of the Alumni of the Institute to the Undergraduates to be used as a social and recreational center. It was completed slightly before the war and during the entire conflict was used by the Naval Aviation Service as headquarters and a training center. The building contains offices of all the student activities, a large dining room, which is also used for dances, and several smaller dining rooms which may be used for activity functions. There is also a library and reading room, a faculty and alumni room, and two lounge rooms; a large gymnasium with locker room and showers, three handball courts and a boxing room as well as bowling alleys, pool and billiard rooms complete the equipment of this building. The government of

## *The Handbook*

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the Walker Memorial and of the Hangar Gymnasium is vested entirely in the hands of a sub-committee of the student governing body. This sub-committee is known as the Walker Memorial Committee and is charged with the entire administration of both buildings.

The Technology Dormitories have been added to from year to year until they now are considered among the finest in the country. They are all located on the campus and both single and double rooms may be had in them.

The boathouse was purchased several years ago from the B. A. A. and is for the sole purpose of the undergraduates of the Institute. The building is located on the Charles River Basin, a short distance from the Institute. Its equipment is among the finest in the east and better facilities for those interested in rowing whether it be for pleasure or competition can not be found.

The Rogers building is one of the original Technology buildings on the old site down town. It contains the department of architecture.

The Hanger Gym is the home of many of Technology's activities. During the war the naval men stationed at the school erected the building as a hanger for the naval training planes in use. The building has been remodeled and it now contains a regulation size basket ball court with ample seats for spectators, a boxing ring, space for the wrestling team, a practice room for the polo team, and a large room used to store aeroplanes and large guns used in the instruction around school.

The track house contains the office of the track coach and trainer, several locker rooms, a shower room, and several other facilities for track men. Adjoining the track house are the recently erected squash courts which are always open to anyone caring to use them.

There are two athletic fields at Tech and there are tennis courts adjoining each of the fields. Provision is made for nearly every recreation with the exception of golf and there are many fine courses within a few minutes of Technology.

## ADVICE

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**I**N entering Tech you will face new problems, new interests and diversions. Do not let them overwhelm you. The student most likely to succeed is the one who makes his years at Tech a perfect co-ordination of study, activities, and social life. Tech is rightfully recognized as one of the hardest engineering schools in the country but do not let this make a grind of you. Then, too, Boston's unlimited opportunities for social life, and the large number of activities at the Institute often disillusion the new man to such an extent that he unknowingly neglects his studies. With these points in mind start your year right and see that it stays right. Go to all of your classes and get all you can out of each one, be especially attentive during the first two weeks for attention then will usually make your courses much easier for you.

Most of you who come to Tech as freshmen cannot help but feeling somewhat "lost" because of the size of the Institute. Two things may help you to overcome this feeling. First, remember that your fellow freshmen feel just as uncomfortable as you do, and second that everyone around school has at one time been a freshman. Make it a point to meet as many fellow freshman as you can during the first week; don't wait for introductions.

Read the Handbook thoroughly and become familiar with the different phases of life at the Institute. The following information concerning Technology should be understood by every freshman.

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

2. The Institute songs and yells are given in this book. Freshmen are expected to know them all. The Stein Song is your Alma Mater song.

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3. Do not smoke in the corridors—cigarette butts strewn around do not add to the beauty of the buildings.

4. Know your classmates. They are the ones who will make your stay at the Institute enjoyable and be helpful to you in later life.

5. Lead the strenuous life; athletics and activities welcome you. The Institute is more than a mere workshop; it is a place of opportunity for the development of all that is best in a man. The more you put into it, the more you get out of it.

6. No insignia or numerals other than those awarded by the Advisory Council or M. I. T. A. A. may be worn by undergraduates in the gymnasium or on the Athletic Field.

7. The Walker Memorial is a building for your use and offers not only 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.

8. Payment of the Student Tax enables you to obtain expert medical advice, free of charge, from the Institute Physician, whose office is in room 3-015.

9. Suitcases, coats, and similar personal effects may be checked free of charge in the basement of Walker Memorial.

10. Do not reserve your room before arriving in Cambridge. The best way to get a good room is to come a few days early, get a list of approved rooms at the T. C. A. and make a personal investigation of various rooms in different localities before making a selection.

11. Technology is one of the hardest engineering schools in the country, but that is no excuse for becoming a grind. Go out for some activity, and follow it up. It will furnish excellent relaxation, as well as giving valuable training and experience.



## Freshman Rules

The Massachusetts Institute of Technology is interested not only in turning out well trained engineers, but makes every endeavor to develop in its students those attributes of character that distinguish the well rounded and educated *man* from the merely technically trained engineer.

Development of Technology spirit, of a real pride in the position of our school in the collegiate world and the formation of lasting friendships is fostered as much as possible by the undergraduates.

In order to create the necessary interest in Technology among the entering class and to familiarize them with its traditions the following Freshman Rules are presented to it for its information and guidance:

1. All Freshmen should wear regulation ties, four-in-hand, with cardinal and gray stripes. These should be worn when on the Institute grounds from the day classes begin until the beginning of Junior Week. These ties are to be sold on registration day by the Freshman Rules Committee, and after that by the Coop.

2. Freshmen are expected to speak to all members of the faculty and to tip their hats to the president of the Institute and the dean.

3. Freshmen are expected to say "Hello" to all students they meet on the Institute grounds.

4. Freshmen should not loiter around the Main Lobby, or sit on the benches in the Lobby. If the Freshmen win Field Day, this restriction shall be abandoned.

5. Administration of the above rules shall be delegated to a Freshman Rules Committee which shall consist of the vice-president of the Institute Committee as ex-officio chairman; two Juniors, one of whom shall be the president of the Junior

## *The Handbook*

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Class; four Sophomores, one of whom shall be the president of the Sophomore Class; two Freshmen section leaders. The Junior and three Sophomores shall be appointed by the vice-president of the Institute Committee, the presidents of the Sophomore and Junior classes subject to the ratification of the Institute Committee.

6. When an upper-classman or a Freshman sees another Freshman violate the above rules, he shall immediately inform the Freshman Rules Committee by dropping a card or a slip of paper in an institute mail box, stating the rule violated, and the date of violation. When four violations have been reported against one Freshman, he shall be sent a summons to appear before the committee.

7. Enforcement of the rules is at the discretion of the Freshman Rules Committee.

These rules have been adopted for the purpose of bringing about a more congenial spirit at the Institute, and of fostering interest in Technology among the entering class. Consequently, the rules do not include measures which are merely for the purpose of humiliating the first year men.

The end of the Freshman rules regime at Tech comes early in the spring at which time there is held a big rally of the Freshman class. A tree is planted to commemorate the occasion and then a huge snake-dance is formed by the entire class and they wind slowly by a large bonfire, each one throwing his necktie into the flames. Thus ends the Freshman rules and no longer need the Freshmen fear the upper classmen.



## FROSH CAMP

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**M**EN attend college that they may become acquainted with the discoveries and experiences of the great men of the past. This expands the radii of their lives and makes it possible for them to more easily and completely adapt themselves to the society into which they are born. As these four years of college life give a man a short cut to the best in life, so the Freshman Camp at Massapoag, we hope, will give the Freshmen who go a short cut to the best in Technology spirit and tradition.

By ilving, eating and talking with a group of leading upper-classmen, faculty and alumni for three days, the Freshmen get a touch of the best these men have seen and experienced in the Institute. They become acquainted with activities, athletics and life at the 'Stute. Most of all they get to know a large number of their classmates in an informal and intimate way before beginning their four years of work. "For its always fair weather when good fellows get together"—that is the time when the finest in Technology spirit and life become most contagious.

One hundred and sixty freshmen can be accommodated at this year's Freshman Camp, besides provision for 40 upperclassmen and members of the faculty. This is the third year of the camp and is becoming more popular with each year of its existence. The first year 88 Freshmen attended, and last year 127 were present. Each year there are many more wishing to go than we can accommodate. This year the camp will be limited to 160 men, and these will be taken in the order of their application.

## FIELD DAY

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SINCE November 19, 1901, when the first Field Day was held the supremacy between the freshmen and sophomores has been decided in this fashion. This does away with the old cane rushes and fight between the freshmen and the sophomores and in their place substitutes a sporting proposition that has proved most successful.

For the freshmen, Field Day is more than a contest against the sophomores, as it is the beginning of their lives in activities at the Institute. Make your start a success and your career as a live man is assured. It is here that the majority of your acquaintances begin from which your best friends are formed. Don't miss the opportunity of being one to help engrave the numerals of your class on the Field Day Cup!

Field Day consists of four parts: a football game, a crew race, a relay race, and a tug-of-war. Football counts five points, the relay race and the crew race each count three points, and the tug-of-war two, the class winning the greatest number of points being the winner. As the contests are held in the early part of November it means that the winners must show some pep in getting their practice started. Coaches and supervising managers are furnished by the upper classes, the juniors being the sponsors for the freshmen and the seniors for the sophomores.

Last year Field Day was won by the Sophomores. The crew race came, as usual, in the morning just before school time and the veteran Soph crew pulled away from their rivals in the last part of the race. Then at noon school was out, old clothes were in order, and the battle was on. The tug of war and the relay race were won by 1930 and then came the great Frosh triumph as their football team sank the Sophs. Field Day was lost but many a Frosh felt that this made the day a huge success.

## TECH SONGS

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**R**ICH, indeed, are the undergraduates of Tech as far as school songs are concerned. Some of the songs here printed were composed in response to a competition; others are the gift of many Tech men who have gone on before. They have been handed down from class to class, and with each year they have become more and more dear to the heart of the undergraduate. Tech students should, therefore, sing them with a great feeling of pride, for there is not another school in America that can boast of a finer group of songs. Out of a host of Tech songs, the following have been chosen as the best liked and the most often used of the group.

Foremost among the group is the "Stein Song," which is the Alma Mater song of Technology. This song has become quite famous throughout the entire world and there is not a better known college song anywhere. The words are by Mr. Hovey, the Dartmouth Poet, but the music is by Frederick Field Bullard, '87, well-known and highly regarded as a composer. The history of the song is as interesting as its tune, and now occupies the foremost position in the songs of the Institute. "Take Me Back to Tech" by I. W. Litchfield, '85, is equally popular on the campus.

Every new man should learn the words to the songs before arriving at school. If the words are known the tunes are soon picked up, and the result is a group of songs which will be remembered and sung all your life as reminders of days at Tech.

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

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

## *Nineteen Twenty-Eight*

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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.

### *Mens Et Manus*

(Prize Song)

We gather together extolling thy praise,  
Technology Alma Mater,  
Thy wide arms encircle the sons thou didst raise,  
Technology Alma Mater;  
Our minds hast thou moulded,  
Our hands hast thou skilled  
To follow the precepts that thou hast instilled,  
So rise our voices with memories thrilled,  
Technology Alma Mater  
Technology Alma Mater.

Words by G. M. Fair, '16.

*Take Me Back to Tech*

Tune, "Solomon Levi"

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.  
'Rah for TECHNOLOGY!  
'OLOGY, 'Ology, oh——  
Glorious old TECHNOLOGY!  
'Ology, 'Ology, 'Ology, 'Ology.  
Words by I. W. Litchfield, '85

*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!

*Dear Old M. I. T.*

The sun with glowing crimson

Has tinged 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 vict'ry

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.



## *The Handbook*

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### *Hail M. I. T.*

(Prize Song)

Hail, M. I. T.!  
Our Alma Mater, hail!  
Hail, hail to thee!  
Thy sons shall never fail.

From far and near, we gather here,  
Beneath thy tow'ring dome.  
Thy spacious halls, thy columned walls,  
Thy courts we call our home.  
Hail, hail to thee!  
Hail, hail to thee!  
Firm stand the sons of M. I. T. to cheer.  
Hail, hail to thee,  
Our Alma Mater dear.

Words by Karl R. Kennison, M.I.T., 1908.

## CHEERS

### *Tech Is Hell*

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

### *The Tech Cheer*

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



## DIRECTORY

### *Class Officers*

1929

*President*, C. B. Allen

*Vice-President*, C. S. McCune

*Secretary*, H. M. Baker

*Treasurer*, L. E. Keene

*Institute Committee*, M. R. Boyer

*Institute Committee*, W. W. Young, Jr.

*Executive Committee*, J. D. McCaskey

*Executive Committee*, G. R. Williams

1930

*President*, J. F. Bennett

*Vice-President*, D. T. Houston

*Secretary*, H. S. Gardner, Jr.

*Treasurer*, C. C. Ladd

*Institute Committee*, T. A. Riehl

*Institute Committee*, P. J. Riley

*Executive Committee*, C. T. Abbott

*Executive Committee*, P. H. Holt

1931

*President*, H. S. Ford, Jr.

*Vice-President*, A. G. Goodhand, Jr.

*Secretary*, R. T. Leadbetter

*Treasurer*, R. S. Backus

*Institute Committee*, R. B. Freeman

*Institute Committee*, P. D. Hardy

*Executive Committee*, H. P. Champlain

*Executive Committee*, J. M. McBrayne

### *Institute Committee*

#### **Executive Committee**

*President*, C. B. Allen

*Secretary*, M. R. Boyer

*Treasurer*, G. T. Logan

*Chairman*, Walker Memorial Committee, E. A. Bianchi

*Chairman*, Elections Committee, R. B. Atkinson

*Member-at-large*, W. B. Thomas

## Publications

### Technique

- D. F. Bremmer, Jr., *General Manager*  
R. M. Coveney, *Business Manager*  
Ralph Vezin, *Managing Editor*

### The Tech

- L. C. Hamlin, *General Manager*  
H. O. Rouse, *Editor*  
D. T. Houston, *Managing Editor*  
A. C. Pforzheimer, *Business Manager*

### Voo Doo

- J. B. Geisman, *General Manager*  
R. W. Reynolds, *Managing Editor*  
E. W. Glen, *Business Manager*

### Tech Engineering News

- W. Baumrucker, Jr., *General Manager*  
A. K. Stricker, Jr., *Editor*  
T. S. Speller, *Business Manager*

### Sparks

- J. C. Edgar, *General Manager*  
C. T. Prendergast, *Business Manager*  
G. J. Meyers, Jr., *Editor-in-Chief*

### VI-A News

- D. Y. Bradshaw, *Editor*  
P. J. Zugale, *Business Manager*

## Athletics

### Athletic Association

- W. B. Thomas, *President*  
P. F. Donahue, *Vice-President*  
E. A. Yates, *Treasurer*  
A. B. Marlow, *Secretary*

### Crew

- E. N. Tittman, *Captain*  
E. M. Hawkins, *Manager*  
W. Haines, *Coach*

# Nineteen Twenty-Eight

## Track

M. O. Gray, *Captain*  
F. C. Alexander, Jr., *Manager*  
O. L. Hedlund, *Coach*

## Soccer

O. C. Mong, *Captain*  
F. S. Walker, *Manager*  
W. R. Welch, *Coach*

## Cross Country

N. L. McClintock, *Captain*  
J. B. Holden, *Manager*  
O. L. Hedlund, *Coach*

## Basketball

B. B. Brockelman, *Captain*  
R. K. Phelan, *Manager*  
H. P. McCarthy, *Coach*

## Hockey

G. E. White, *Captain*  
R. M. Snyder, *Manager*  
W. O. Stewart, *Coach*

## Wrestling

J. G. Gentile, *Captain and Manager*  
B. A. Greene, *Coach*

## Rifle Team

A. LaCapria, *Captain*  
R. Orleman, *Manager*  
Captain Phillips, *Coach*

## Swimming

L. D. Luey, *Captain*  
T. B. Spruill, *Manager*  
R. Dean and S. F. Brown, *Coaches*

## Gym Team

H. C. Fairchild, *Captain*  
T. F. Maclaren, *Manager*  
E. Hink, *Coach*

## Boxing

J. J. Bolanos, *Captain*  
J. W. Schuerer, *Manager*  
T. S. Rawson, *Coach*

# The Handbook

## Tennis

J. C. Cleary, *Captain*

J. T. White, *Manager*

## Fencing

R. W. Ide, *Manager*

## Golf

F. A. Sommers, *Manager*

## Polo

L. Longfellow, *President*

J. McCaskey, *Vice-President*

E. A. Ellis, *Secretary-Treasurer*

F. W. Turnbull, *Manager*

W. Wilder, *Riding Master*

## Activities

### Tech Show

V. McDanial, *General Manager*

### Combined Musical Clubs

D. H. Funk, *General Manager*

G. H. Hathaway, *Business Manager*

### Technology Christian Association

H. Hamilton, Jr., *President*

F. N. Dickerman, *Vice-President*

T. A. Riehl, *Treasurer*

### Combined Professional Societies

G. F. Rogers, *Chairman*

### Aeronautical Engineering

P. S. Baker, *President*

### Civil Engineering

D. J. O'Connell, *President*

### Mechanical Engineering

A. L. Eigenbrot, *President*

### Mining Engineering

G. P. Walker, Jr., *President*

**Naval Architectural**

J. H. Booth, *President*

**Chemical Society**

R. K. Opper, *President*

**Corporation XV**

G. F. Rogers, *President*

**Radio Club**

A. E. Cullum, Jr., *President*

**A. I. E. E., Tech Branch**

R. M. Durreth, *President*

*Clubs and Societies*

**Tau Beta Pi**

D. Churchill, Jr., *President*

**Theta Tau**

E. A. Yates, *President*

R. Vezin, *Vice-President*

F. Hills, *Treasurer*

W. C. Hugh, *Secretary*

**Pi Delta Epsilon**

L. C. Hammond, *President*

E. W. Glenn, *Vice-President*

A. K. Stricker, Jr., *Secretary*

J. S. Middleton, *Treasurer*

**Catholic Club**

P. F. Donahue, *President*

**Beaver Club**

G. O. Green, *President*

**Interfraternity Conference**

J. D. MacCaskey, *President*

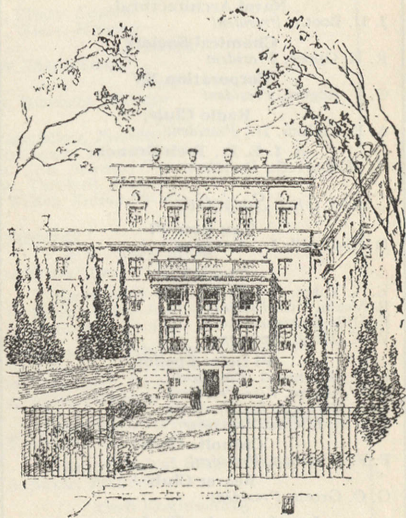
F. Hills, *Vice-President*

V. E. Ware, *Secretary*

R. B. Atkinson, *Treasurer*

**Dormitory Committee**

W. J. Wiley, *Chairman*



THE DORMITORIES

# ATHLETICS

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

*President*, W. B. THOMAS

*Vice-President*, P. F. DONAHUE

*Treasurer*, E. A. YATES

*Secretary*, A. B. MARLOW

THE M. I. T. Athletic Association consists of the captains and managers of recognized athletic teams at the Institute, together with the Publicity Managers, President of Calumet Club, and the three undergraduate members of the Advisory Council on Athletics.

At Technology, the athletics are under the direct control of the students and not under a paid athletic director as in the case of many other colleges. The Athletic Association's function is to promote and supervise athletic interests at the Institute. Inasmuch as the M. I. T. A. A. had supervision over athletics at Technology, the managers and assistant managers of all athletic teams are directly responsible to that body.

Anyone who desires to enter the managerial competition of any sport should report at the opening of school to the manager of that sport at the M. I. T. A. A. office on the third floor of Walker Memorial Building. The managing of a sport offers excellent opportunity for those not athletically inclined to become connected with some sport and thereby make an enjoyable association with that team. Those who enter the competition for manager in their Freshman year continue until the Varsity manager is chosen in the Junior year. There is also opportunity for Sophomores to enter the competition and be chosen as manager in the Junior year.

The Executive Committee of the M. I. T. A. A. awards all class numerals and passes upon and recommends all other insignia awards to the Advisory Council on Athletics, which awards them. Besides the regular sport awards, the "Straight T" is given to athletes of outstanding ability. The "Straight T" is also awarded to the Varsity Track Team and usually to the Varsity crew.



# The Handbook

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## Crew

Captain, E. N. TITTMAN

Manager, E. M. HAWKINS

Coach, W. HAINES

THE object of the Technology crew has always been to give the maximum number of men an opportunity to participate in a healthful sport and to develop a Varsity crew of recognized ability in intercollegiate competition. In the five years that Coach William Haines has been at the boat house he has developed each year a Varsity, a Junior Varsity, two 150-pound and four Freshman (both light and heavy) crews of recognized ability. Moreover, this is a sport which everyone can go out for. If one weighs over 150 pounds there are the Freshman Heavies, the Varsity and the Junior Varsity. For men less than 155 pounds, there is the 150-pound Freshman and Varsity Crews, and for those less than 120 pounds there is the position of coxswain on any crew.

Practice begins for all candidates immediately at the beginning of the school year at M. I. T. Boat House, which is a short distance up river from the Institute. The Freshmen and Sophomores begin organized practice for the Field Day race which is held the first Friday in November. The Varsity squad also begins practice, which continues on the river until cold weather drives them in to work on the rowing machines in the boat house. The Freshman and Varsity squads both work on the machines during the winter in preparation for spring practice. As soon as possible in the second term, the squads go out on the river in the barge, and finally in the shells.

This past year, extensive additions have been made to the crew equipment so that a squad of 150 men can be maintained. There are also separate locker rooms and showers for the Freshmen and Varsity. Each year two shells are purchased from Oxford University. These shells are excellent boats in that Oxford uses them only one year and then sells them.



## Track

*Captain*, M. O. GRAY

*Manager*, F. C. ALEXANDER, JR.

*Coach*, O. L. HEDLUND

TRACK is the Institute's major sport and maintains a squad of 200 throughout the school year. Technology is fortunate in having a good twelve lap board track and also a quarter mile cinder track with 220-yard straight away. After Field Day, track work may be substituted for Freshman Physical Training for the entire twenty weeks which P. T. covers.

During the winter season Varsity and Freshman teams participate in many of the indoor meets, including the K. of C., B. A. A., American Legion at Boston; the Millrose games at New York, and the I. C. A. A. A. A. games. In addition, the Varsity and Freshman teams compete in dual meets with other colleges and some of the preparatory schools around Boston.

The spring season begins in April with the Annual Interclass Meet, which was won this year by the Sophomores. The Varsity meet the leading Eastern colleges besides competing in the N. E. I. C. A. A., the I. C. A. A. A. A., and the Penn Relays. The Freshman team meets many of the preparatory schools and colleges' freshman teams in New England.

Besides the regular Varsity and Freshman meets, other members of the track squad are offered an opportunity to compete in the several handicap and novice meets which are held throughout the year. There are also practice meets with outside teams. Thus everyone out for track is given the advantage of competition regardless of his ability.

As practice for the Field Day relay teams (both Sophomore and Freshmen) begins directly after Registration Day, Coach Hedlund wishes to see all candidates at the track house as soon as possible after school begins.

## Cross Country

*Captain*, N. L. McCLINTOCK

*Manager*, J. B. HOLDEN

*Coach*, O. L. HEDLUND

CROSS Country is one of Technology's leading fall sports. It offers a remarkable opportunity for healthful, energetic recreation directed towards the benefit of the individual and Technology's athletics. As might be expected, most of the cross country runners are regular track men who take advantage of this opportunity to train for the distances.

Practice begins directly after the opening of school in the fall and continues until the last of November. All men out for both the Varsity and Freshman teams should report to Coach Hedlund at the track house as soon after registration day as possible.

The season generally consists of five meets—three dual meets, the N. E. I. C. A. A. and the I. C. A. A. A. A. This schedule includes several trips.

## Basketball

*Captain*, BERNARD B. BROCKELMAN

*Manager*, ROBERT K. PHELAN

*Coach*, HENRY P. MCCARTHY

THIS sport has reached a high standard at Technology and is now our most popular winter sport. Both Varsity and Freshman teams are maintained under the supervision of a competent coaching staff. The Varsity meets the leading colleges of the East, while the Freshman play the prominent preparatory schools and college Freshman teams of New England near by.

All members of the Freshman squad are allowed to substitute their basketball practice for the physical training required of all first year men.

A call is made soon after the opening of the school year for all men interested in basketball. Practice for both Varsity and Freshmen begins soon after Field Day. There are also openings every year for four live Freshmen on the Management staff.

## Gym Team

*Captain*, HAROLD FAIRCHILD, '29

*Manager*, THOMAS F. MACLAREN, '30

*Coach*, EDWARD HINCK

**G**YM, which is increasing in favor with the colleges, shows promise of being one of the most popular collegiate winter sports. Technology is fortunate in having one of the best equipped gymnasiums in the East. The Gym is located on the top floor of Walker Memorial.

This next season, in addition to the Varsity, a Freshman Team will be formed, the success of which depends on the number of candidates. Practice will start immediately after Registration Day and the following is a list of apparatus used: horizontal bar, flying rings, parallel bars, side-horse, rope climb, tumbling mats, and long horse.

The 1927-28 National Intercollegiate were held at Technology, in which all the leading Eastern colleges participated. The interest in gym is shown by the large attendance including many spectators from Simmons and Sargent.

## Hockey

*Captain*, G. E. WHITE

*Manager*, R. M. SNYDER

*Coach*, W. O. STEWART

**T**HE man interested in a real active sport will find in hockey a most attractive proposition.

The interest in hockey has been rapidly increasing and it ranks now as the most popular sport of the country. Both schedules include several trips. The teams are coached by a high grade professional. Practice, which begins soon after Field Day, is held at the Boston Arena, which affords an excellent opportunity for development of the teams.

The Freshmen are enabled to learn the game in preparation for the Varsity in coming years, while at the same time they may win their class numerals. The competition for managerial positions is open to all freshmen.

## Rifle Team

*Captain*, A. LA CAPRIA

*Manager*, R. ORLEMAN

*Coach*, CAPTAIN PHILLIPS

THE range facilities provided at the Institute are excellent and rifle shooting is one of the coming winter sports at Technology. The team is a member of the National Rifle Association which is composed of the best college teams in the country.

The Varsity schedule includes the best teams in the East while the Freshmen, under the direction of the R. O. T. C. have a similar schedule with the best Freshman and preparatory school teams in the country. The R. O. T. C. insignia is awarded to members of the Rifle Teams.

The first call for candidates will be issued about the first of November and practice, which is held at the rifle range near the cinder track, will continue through the winter until the last of April.

## Soccer

*Captain*, OLAV C. MONG

*Manager*, FRANCIS S. WALKER

*Coach*, WILLIAM R. WELCH, U.S.S.R.A.

SOCCER, in its seventh season of supporting a varsity team, is one of the most popular fall sports at Technology. Practice begins about a week before school opens and leads up to the first game of the season with increasing intensity. Spring practice, of a light nature, is held during April and May in order to line up material for the coming season. One or two practice games are usually arranged. The new field in back of the "Coop" has been put into condition and is one of the finest fields in New England. The coach is one whose interest and enthusiasm are second only to his ability to produce winning material in the form of a team.

# Nineteen Twenty-Eight

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## Tennis

*Captain, J. C. CLEARY*

*Manager, J. T. WHITE*

THE management arranges a Fall Tournament for all those in the Institute. The winner of this tournament receives a replica of the Fall Tournament Cup, upon which his name is inscribed.

Freshman squad begins practice on the courts behind "The Coop" in the spring as soon as the weather permits. The varsity, which practices at the Oakley Country Club in Belmont, have matches with the leading Eastern colleges beside entering the New England Lawn Tennis Association matches, which are held at the Longwood Cricket Club each year. The freshmen meet the best college freshmen and preparatory school teams in New England. There is also a Second Varsity Team formed which meets preparatory schools and the corresponding teams of other colleges.

## Swimming

*Captain, L. D. LUEY*

*Manager, T. B. SPRUILL*

*Coaches, R. DEAN and S. F. BROWN*

THE past several seasons have shown that swimming can be successfully conducted as an all-year sport and candidates can now devote both terms to it. The first call for Varsity and Freshman material will be made immediately after Field Day. Previous experience is by no means necessary, for some of Technology's best swimmers and divers have developed from inexperienced men. Each candidate is given individual attention by the coach in his own event. Practice will be held in the excellent University Club pool three times each week.

The Freshman Team meets the leading preparatory school and college freshman teams of New England. Swimming may be substituted for the required gymnasium work during the entire school year or for either term.

# The Handbook

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## Polo

*President, L. LONGFELLOW*

*Vice-President, J. MCCASKEY*

*Secretary-Treasurer, E. A. ELLIS*

*Manager, F. W. TURNBULL*

*Riding Master, W. WILDER*

**P**OLO is a game which appeals to every red-blooded American. It is a ball game and horse race combined. Moreover, no competitive sport can be played for as many years as can polo; many men over fifty years old are still active players.

Although the polo team at the Institute has been organized for only a year, this sport has already shown much popularity. This past season, the team won three out of the five games played.

Practice is held in the cage, which is in the same building as the Hangar Gym, and begins as soon as school opens. The squads practice on the wooden horse in order to develop the technique of properly swinging a mallet. The candidates also practice at the Commonwealth Armory and the Brookline Riding School.

## Golf

*Manager, F. A. SOMMERS*

**A**S the aim of the Institute is to provide a sport for everyone, a golf team is included among the many other athletic teams at Technology. Golf is a sport which one can always find enjoyable, from college days until long whiskers and rheumatism. It is a sport which is very popular with business men. This is another advantage for it offers an opportunity for you in later life to associate with the big boss on the links. Moreover, many a business deal is made on a golf course.

At Technology, the golf team is very fortunate in obtaining the use of the links at a nearby country club. Those interested in golf should see the manager at the M. I. T. A. A. office (located on the third floor of Walker Memorial) as soon after the beginning of school as possible in order that fall practice may begin at once.



## Boxing

*Captain*, JOHN BOTANOS  
*Manager*, JOHN SCHEUREN  
*Coach*, THOMAS R. RAWSON

**B**OXING, one of the Institute's youngest sports has, in the seven years since its establishment, become one of our most popular forms of athletics. Practice begins directly after Field Day and is held in the Hanger Gymnasium. The coach is desirous of seeing all candidates at the first practice in order to begin at once with the work.

The Varsity team meets the leading Eastern colleges besides competing in the Intercollegiates. The Freshmen have matches with many freshman and preparatory and high school teams.

Under the Coach's direction, the candidates obtain an excellent opportunity to develop and quicken both mind and body and finds boxing a real man's sport.

## Fencing

*Manager*, R. W. IDE

**F**ENCING is one of the popular winter sports at the Institute. It is a sport which will develop co-ordination of mind and muscle as well as give much enjoyment to the participants. Practice, which is held in Walker Memorial Gymnasium, begins directly after Field Day and continues until April. All candidates should report to the coach at the first practice in order that the team may obtain an early start. Work includes practice in the foils, epee, and sabre.

The Varsity meets the better Eastern Colleges while the Freshmen fence the leading freshmen and preparatory and high school teams.

Those desiring to compete for positions on the managing staff, may do so by leaving their names in the A. A. office directly after the opening of school.



## Wrestling

*Captain*, JOSEPH C. GENTILE  
*Manager*, JOSEPH P. GENTILE  
*Coach*, BRIDSON GREENE

WRESTLING, one of the oldest, has now become one of the most important winter sports at the Institute. The team meets many of the strongest teams in the East. In the New England Intercollegiates competition is offered for a second team in the Intercollegiates with corresponding teams of other colleges.

Not only to upper classmen but to the first year men, wrestling offers a variety of opportunities. The substitution of this sport for the required physical training in the gymnasium offers not only an enjoyable exercise, but is of great assistance to an all round physical development. Practice begins directly after Field Day and is held in the Hangar Gymnasium.

## Beaver Baseball

TWO years ago the Beaver Baseball was organized at M. I. T. While not a Varsity team, this team plays many of the better New England colleges, over half of the games being away from home.

Practice starts during March with a call for candidates, and continues until the close of the spring term. The team practices on a diamond which is in front of the cinder track. All those who intend to come out for this sport should report to the coach when the call for candidates is issued, because this team has not the advantage of fall practice which other college teams enjoy.

The managerial competition for Freshmen begins a few weeks after the start of first term and continues for two years.

# *Nineteen Twenty-Eight*

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## *Class Teams*

**B**ESIDES the regular Varsity and Freshman Teams described on the foregoing pages, there are several class teams at the Institute. There are the Sophomore and Freshman Football, Relay, and Tug-of-War teams and crews, all of which compete in the annual Sophomore-Freshman contests held on Field Day, the first Friday in November. All men in the Sophomore and Freshman classes are eligible for these four teams. The candidates should report as soon as the call is issued at the beginning of school.

In addition to the Field Day sports, there are two annual Interclass Track meets, one in the winter and one in the spring. This offers an opportunity for all track men to enjoy the advantages of competition in a meet as all men in the Institute are eligible.

Another spring class team is the Freshman Baseball Team which plays preparatory, high school and other freshman teams.

In crew, there is the annual Richards' Cup Race which is held every spring in May. Each class can enter one crew in the race, the winning class is inscribed on the Cup which was given by Professor Richards. All men in the Institute are eligible for these crews, except those on the Varsity, Junior Varsity, 150-pound Varsity, and the First Freshman Crew. Candidates for these crews should report to the boathouse as soon as possible in the second term.

## Massachusetts Institute Track Records

Event	Record	Holder	Year Made	N.E.I.C.A.A. Records	Collegiate Records
100-yard dash ..	10 1-5 s. ....	R. S. Franklin ... C. W. Loomis ... T. W. Bossett ... W. Rollins ..... T. P. Spitz ..... J. S. Wiebe ..... C. W. Gram .....	1903 1915 1918 1919 1921 1927	9 4-5 s. ....	9.6 s.
220 with turn ...	22 s. ....	C. W. Gram .....	1909	22 s. ....	
220-yard straight	22 s. ....	3. W. Gram ..... D. P. Jeppe ..... D. P. Jeppe .....	1909 1924 1924	21 2-5 s. ....	20.7 s.
440-yard run ...	50 s. ....	D. P. Jeppe .....	1924	48 4-5 s. ....	47 2-5 s.
880-yard run ...	1 m. 55 s. ....	G. J. Léness .....	1925	1 m. 55 s. ...	1 m. 52 1-5 s.
2-mile run.....	9 m. 35 4-5 s.	F. L. Cook .....	1915	9 m. 29 s. ....	9 m. 17 4-5 s.
120-yard hurdles	15 1-5 s. ....	H. G. Steinbrenner	1927	15 1-5 s. ....	14 2-5 s.
220-yard hurdles	23 9-10 s. ....	H. G. Steinbrenner	1927	24 s. ....	23 s.
Shot put .....	42 ft. 1-4 in. .	F. H. Leslie .....	1914	47 ft, 10 1-2 in.	51 ft. 1 1-2 in.
Hammer throw .	158 ft. 6 in. .	C. G. Dandrow...	1921	168 ft. 11 in. .	181 ft. 6 1-2 in.
Discus throw ..	128 ft. 3 3-5 in.	M. Gray .....	1928	148 ft. 11 in. .	158 ft. 1 3-4 in.
High jump ....	6 ft. 1-2 in. .	C. D. Hayward ..	1893	6 ft. 1 1-8 in. .	6 ft. 8 1-4 in.
Broad jump ...	22 ft. 8 1-4 in.	J. S. Weibe .....	1927	23 ft. 10 1-4 in.	25 ft. 10 7-8 in.
Javelin .....	175 ft. 6 in. .	J. S. McCarthy ..	1928	184 ft. 11 in.	205 ft. 7 5-8 in.
Pole Vault .....	12 ft. 9 in. .	L. M. Sanford....	1925	12 ft. 6 1-4 in.	14 ft.

## Freshman Track Records

Event	Holder	Year Made	Record
100 yards .....	J. S. Weibe, '27 .....	May 27, 1924	10 1-5 s.
220 yards .....	A. P. Kauzman, '27 ..	May 17, 1924	23 2-5 s.
440 yards .....	A. D. Smith, '23.....	May 15, 1920	30 3-5 s.
<sup>45</sup> 880 yards .....	F. L. Plaisted, '23 ....	May 15, 1920	2 m. 1 2-5 s.
1 mile .....	E. E. Chute, '28 .....	May 9, 1925	4 m. 36 1-5 s.
120-yard high hurdles	H. G. Steinbrenner, '27	May 24, 1924	16 2-5 s.
220-yard low hurdles	H. G. Steinbrenner, '27	May 24, 1924	25 4-5 s.
High jump .....	W. B. Greenough, '23	April 17, 1920	5 ft. 8 1-3 in.
Broad jump .....	J. S. Weibe, '27 .....	May 24, 1924	20 ft. 6 1-3 in.
Pole Vault .....	M. Sanford, '26 .....	May 12, 1923	10 ft. 10 in.
12-pound shot .....	B. Grondal, '31.....	April 21, 1928	47 ft. 2 in.
12-pound hammer ..	F. Glantzberg, '27 ....	May 3, 1924	162 ft. 4 in.
Discus .....	P. Hardy, '31 .....	May 2, 1928	125 ft. 6 in.
Javelin .....	J. S. Weibe, '27 .....	May 17, 1924	158 ft. 4 in.



C. BRIGHAM ALLEN, JR.

## TO FRESHMEN

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ONE of the hardest tasks that you are going to have this fall, or even later in your career at the Institute, will be to choose an activity that you will enjoy, one that you will derive some benefit from and one in which you feel your time is not being taken unwisely. We can offer you most any type of activity; athletics of every kind, business training, an opportunity to express your artistic nature, the opportunity to test your judgment and tact, an opportunity to broaden your experience and above all to make friends with your classmates, friends you will never regret having made and ones that will be invaluable to you in your later life. You have all heard that "Tech" is a grind, that it is all study and work with no play. You have heard this perhaps because other men you know who have gone through this Institute have made their school days so. That has been the trouble with us in the past but we are gradually beginning to realize it. As the years go on our activities are broadening and increasing, so it is up to you to continue the good work. Statistics show that the man who has been intimately associated with an activity during his school years, on the average, has made out better in his studies and has been able to better situate himself after graduation. Look the activities over carefully, be inquisitive and at least give them a try, but in doing this do your best. You will go a long way doing your best although it may not be the best. You may find your first association with an activity rather unusual and difficult, but later your reward will be found.

C. BRIGHAM ALLEN, JR.

*President of the Class of 1929.*

# ACTIVITIES

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## *Institute Committee*

THE control over student affairs at Technology is vested in the Institute Committee, which is composed entirely of students. As there is complete student government at M. I. T. the Institute Committee makes final decisions in all questions relating to student activities. The judiciousness of the decisions of the Institute Committee has attained for it a position of respect in the eyes of the student body.

It is a truly democratic body composed of the President and two members-at-large of every class in the Institute besides the heads of all the recognized activities. Its meetings, at which all sorts of questions are brought up, are open to the entire student body. Thus it has been recognized as the most reliable source of obtaining student opinion as well as a substantial organization for guiding student life.

## *Walker Memorial Committee*

THE Walker Memorial Committee has care of the Walker Memorial and the Naval Hangar Gymnasium. This student administrative body has the responsibility of enforcing the house rules of Walker Memorial, of controlling the publicity campaigns that take place on the Institute grounds, of supervising the meetings of organizations held in the building, and of assigning rooms in Walker Memorial and the Hangar Gymnasium. These duties are executed in such a manner that the facilities are put to the uses most advantageous to the largest number of students.

By placing the control of Walker Memorial in the hands of the students, the Administration has enabled the undergraduates not only to profit by the many opportunities for recreation offered in Walker Memorial, but also to share the pride and sense of responsibility of ownership.



## Technique

**T**ECHNIQUE is the yearbook of the Institute. It is primarily a record and history of the entire preceding year in all phases of activity at Technology. This includes the faculty, athletic records, societies, fraternities, publications, activities, and a Senior portfolio.

The positions on the Technique board are on a competitive basis. Freshmen are listed as competitors and are elected to the staff in April of their first year, providing they show an interest and a fair degree of ability. From the staff is picked the Junior Board for the next year consisting of a Literary Editor, Department Editor, and Features Editor on the literary side; an Advertising Manager, Publicity Manager, Photographic Manager, and Treasurer on the business end; and an Art Editor. These men are in competition during their Junior year for the three Managing Board positions—General Manager, Business Manager, and Managing Editor—who are Seniors.

A man who comes out in his Freshman or even his Sophomore year has a splendid chance to gain experience in business practice and the art of printing, writing, engraving, and photography.

Not only is this a fascinating game from the standpoint of the experience gained, but *Technique* brings its men into close friendships and into contact with the entire personnel of Technology.

It is interesting to note that three of the outstanding traditions of Technology have the name *Technique* stamped upon them. The *Technique* Rush is the opening event of Junior Week each year. At this time the book is distributed and the new Board is announced.

The second tradition is the Technique Award Cup which the yearbook awards each year to the most prominent track athletes, while the third is the Tech-Technique football game. From time immemorial the newspaper and yearbook have battled each other on the gridiron each year to the great enjoyment of everyone concerned.

# The Handbook

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## The Tech

THE TECH has been the Official Undergraduate newspaper of Technology since its foundation in 1881. Its object is to present to the undergraduates, faculty, and alumni all news pertaining to the Institute and the undergraduate life in an interesting manner, and at the same time give expression to student and public opinion through its editorial columns.

The paper is published three times a week with special rotogravure editions issued for unusual events such as Junior Week, or Field Day. Its organization is run on a competitive basis, giving any Freshman an equal chance of gaining a managing board position in his Senior year.

A man coming out for *The Tech* finds a widely varied field open to him, in the News and Business Divisions of the paper. The former covers work as reporters, as editors in the actual work of getting the paper ready for the press, in editorial writing, and in photographic and art work. The Business Division gives the men practical experience in the selling of advertising, and the treasury and circulation work. Being a news publication, *The Tech* has an interest in every affair at Technology, and consequently the men on it get a more intimate knowledge of the undergraduate life than they could in any other activity.

Realizing the value of the work of newspaper writing, the English Department at Technology is starting the policy of giving the Freshmen reporters credit for their news articles as part of their work in E-11 and E-12. In order to take advantage of this, Freshmen are urged to come out early in the term for the paper, although they are welcome to drop in at the offices at any time. By coming out early a candidate can enter in a regular competition, one of which is run the first weeks of every term. A mass meeting for those men interested whose date is to be announced on Institute bulletin boards, will be the starting point of the fall competition.

## Nineteen Twenty-Eight

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### *Voo Doo*

**P**HOSPHOROUS is the best friend of every undergraduate at Tech. He has just rounded out ten years of mirth making and his crazy antics have continued to receive the approbation and plaudits of the student body. Each year a little better, *Voo Doo* has well earned the position it holds nationally among college comics.

*Voo Doo* has advantages to offer perhaps a little different from any other activity at Tech. Published by men who are not overly burdened with the responsibilities of life and supported by an enviable income from a large student circulation, it is no wonder that the social side has assumed a prominent part. So besides the experience gained by work the man on *Voo Doo* has a real opportunity to make pleasing and lasting friendships and mix a reasonable amount of play with the work.

There is, however, work to be done in getting out the eight numbers every year. The magazine is published by a Senior and Junior Managing Board. The Board is assisted by departmental staffs and candidates for Board positions.

The management is divided into three departments; the art, literary, and business departments. The art and literary departments offer a broad field of activity for those with a special aptitude along literary and art lines. Men with ability to draw cartoons, sketches or designs, will be sure to find a place on the publication. The business department is sub-divided into three smaller departments where men can confine their activities to publicity, circulation or advertising.

Candidates are welcome to the *Voo Doo* office at any time, but the regular competition starts the first few weeks of the fall term. Men with artistic, editorial, humorous or business ability will find *Voo Doo* an activity abounding in interesting and entertaining work.

## The Tech Engineering News

THE past year has been the eighth since the advent of *The Tech Engineering News* in the publication field at the Massachusetts Institute of Technology. *T. E. N.* was conceived in 1919 as a technical supplement to *The Tech*, but quickly broke away and became a separate organization. It is now an engineering and scientific journal which, though managed and edited by undergraduates, has articles which are written by men who are leaders in their profession, and whose articles are reprinted in papers all over the world. As was first planned, *The Tech Engineering News* strives to present to the students and faculty the accomplishments of graduates, engineers, and business men of prominence in their professional fields, and at the same time, to publish articles which have a written appeal to the college students.

The organization is divided into two departments. The Business Department, which consists of advertising and circulation, offers opportunities in advertising, sales promotion, salesmanship, and the interviewing of prominent men who are interested in such a paper. Valuable training in office management and organization is obtained due to the fact that *T. E. N.* has made a special study of this.

In the Editorial Department there are opportunities for an insight into the professional and technical sides of engineering. In securing articles, men in the Editorial Department get valuable experience and make many worthwhile contacts. This Department has an Editor, Associate Editors, a News Department such as a Pictorial Department, and various assistant editors handling one particular line of work.

Each fall, *T. E. N.* holds a competition for the positions on its staff. All those who are interested in *T. E. N.* are invited to visit its office in the basement of Walker Memorial.

## *Nineteen Twenty-Eight*

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### *Tech Show*

**T**ECH Show is one of the large Institute activities managed entirely by undergraduates. Competition for positions on the management are started early in the fall, and Sophomores and Freshmen are invited to come out. Candidates for the managing end should report to the Tech Show office on the third floor of Walker Memorial as soon after the beginning of school in the fall as possible. The actual production of the play begins immediately after the Tech Show Smoker, which is held in November. At this time a call for candidates for the cast, chorus, and ballet is issued.

Competitions for lyrics, music, program, and score covers are held during the first term. The scenery and costumes, also designed by undergraduates, are chosen by competition, and as a result, the most modern ideas in staging and production are presented each year.

Over 100 students take part in its production each year. The itinerary of Tech Show 1929 includes Boston (three performances), New York, Northampton, Mass., and Hartford, Conn. Tech Show has established itself as an annual function in New York and those connected with the Show always enjoy the dance which is held after the performance.

Tech Show is an activity which offers positions for everyone. For those inclined toward business work, there are positions on the management. Here the candidate has the opportunity to gain some practical knowledge which will help him after graduation. For those artistically inclined, there is the competition for the designs of poster and scenery. For those who can act there is the character parts as well as an opportunity for many in the chorus and ballet besides specialty acts. For those who can play a musical instrument, there is the Tech Show Orchestra.

### *Combined Musical Clubs*

THE Combined Musical Clubs consist of the Glee, Instrumental, and Banjo Clubs. The "Techo-torians," which is a well-known dance orchestra in Boston, is also part of the organization. This will be the thirty-ninth season since the separate clubs were united into one organization. During the school year concerts were given in various schools, clubs, and other organizations around Boston. Previous years the clubs have taken long trips, but in spite of the fact that the finances were not sufficient to take a trip this last year, the clubs showed much spirit and enthusiasm and are hoping to arrange for a trip this year.

Two of the outstanding social events of the Institute every year are the Christmas Concert and Dance, and the Spring Concert and Dance. The Spring Concert is one of the big events of Junior Week. Last year a Pop Concert was held in the Main Hall of Walker Memorial and this also proved to be very successful.

The management of the clubs consists of two senior positions, General Manager, and Trip Manager; four junior positions, Stage Manager, Business Manager, Publicity Manager, and Treasurer. There are eight sophomore positions and any number of freshmen are allowed to compete for positions. Competitions are opened at the beginning of the fall term.

The Musical Clubs offer a great deal of social life to its members. Many of the concerts are given at the various girls' schools around Boston, and usually the concerts are followed by dancing for the entertainment of the men on the clubs. Furthermore, the acquaintances that are made with the men on the clubs are a great benefit to the new student. The musical training and business training, for those on the management, is also very valuable.



## Debating

CONTRARY to general technical school custom Technology offers exceptional opportunity for the development of proficiency in debating through the activity of the various teams. Interest in this phase of public speaking is strongly manifested at the Institute. Contests are held with the leading Eastern Colleges which offer the engineer an opportunity to contend with the liberal arts man at his own game. With the great interest in debating which is evidenced at M. I. T. it is a certainty that Tech will more than hold her own in an activity usually considered outside the scope of a technical school.

If you want an activity from which you get great personal benefit, and by which at the same time benefit the good name of Technology, be sure to report at room 2-176 any day after the opening of the Institute.

## Combined Professional Societies

THE individual societies which make up the Combined Professional Societies are organizations which have as their object the furthering of their members' interest and knowledge in the work which they intend to follow.

There are nine societies which cover the larger courses at the Institute. Active work in one of these societies enables a man to come into closer contact than he otherwise might with the business world and prominent business men. The societies are as follows:

- Aeronautical Engineering Society.
- Chemical Society.
- Civil Engineering Society.
- Corporation XV.
- Mechanical Engineering Society.
- Mining Engineering Society.
- M. I. T. Branch A. I. E. E.
- Naval Architectural Society.
- M. I. T. Post Army Ordinance Association.





HUGH HAMILTON, JR.  
*President Technology Christian Association*



WALLACE M. ROSS  
*General Secretary*



PENNELL N. ABORN  
*Employment Secretary*



*Church Relations*—The object of the T. C. A., is not to set up a definite religious organization of its own, but to have its organization be an ally of the church. Boys are connected with churches before coming to the Institute. These boys as men will be connected with churches after graduating. It is most natural to desire that relationship which fellows had and will have with churches should therefore continue while the man is here at the 'Stute. This division aims to further the above mentioned relationship.

*Meetings*—It is the purpose of this division to have different individuals who know well their subject speak along the line that will be instructive as well as interesting to the student body. Roger W. Babson, '98, the well-known statistician, will be one of the speakers this fall. A series of forums, similar to the one held last spring which had an average attendance of 63, is also contemplated.

## Social Service

*Jail Work*, Lowell M. Moses, '30. (*Department Director*.)

*Boys' Work*, John B. Hutchins, '31.

*Entertainment and Social Exchange*, C. Buckner Basinger, '31.

*Foreign Students*, Baha F. Bakri, '31.

*Foreign Students*—It is said that the Institute has the distinction of having the second largest number of foreign students of any institution in this country. Last year 237 were in attendance from 51 different countries. It is the object of this division to serve in the capacity of "big brother" to any foreign students.

*Boys' Work*—Opportunities to man boys' clubs in Settlement Houses, Hi-Ys, etc., in Greater Boston are numerous, and the Association is asked to co-operate in this most important work.

*Jail Work*—Sending men to jail is a service which the Christian Association renders to students and men in the jail. Five hours a week men teach Mathematics and English to the inmates of Middlesex County Jail. Two men a day, or a total of ten men a week, are demanded for this work.

## Student Service

*Book Exchange*, Charles V. Dolan, '31 (*Department Director*)

*Information*, John W. Robins, '31.

*Room Registry*, M. Richard Boyer, '29.

*Conferences*, Donald F. Batchelder, '31.

*Room Registry*—Supplementing the accommodations which the Institute provides by dormitories, are rooms which men may obtain in private homes. For the days immediately preceding and following registration day this service will be given at the left of the lobby in Walker Memorial.

*Information*—The information cards which are filled out by Freshmen and transfers, and which may be seen by activities, fraternities, etc., are in this division of work. A time-table rack in which time-tables of about 50 different roads are kept, is also under this division's supervision. The bulletin board outside the office door is changed each morning.

*Book Exchange*—The Association maintains a book exchange where students may leave second-hand books, drawing boards, instruments, etc., for sale at two-thirds the original price paid for the same.

*Conferences*—Three regular conferences are held during the year at which Technology is asked to send delegates. The inspiration obtained from speakers at these conferences and the sociability experienced by those attending has meant much to Technology students who have been able to attend.

## Freshman Service

*Freshman Advisers and Activities*, Otto E. Wolff, '29 (*Department Director*)

*Freshman Camp*, Harlan R. Jessup, '29.

*Freshman Advisers and Activities*—Upperclassmen are each spring asked to serve as advisers for three or four freshmen. The freshman is notified concerning his adviser about September 1st. In the past this was found to be very helpful to the new man. During the year a Freshman Cabinet is organized of men who are doing T. C. A. work.

# The Handbook

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*Freshman Camp*—The third annual Freshman Camp will be held this year September 21-24. For those able to attend, this camp is an opportunity for freshmen to become acquainted with each other and the outstanding upperclassmen, certain alumni, and professors. There is also a great opportunity to learn the traditions and customs at Technology with the result that the man starts out feeling more at home in his new surroundings.

## Employment Bureau

*Secretary*, Pennell N. Aborn

*Music Bureau*, Arnold S. Ackiss, '30 (*Department Director*)

*Employment*—This department offers assistance in finding remunerative work to those students who must rely on their own resources for part of their expenses while at the Institute. Last year men reported that work they obtained through the Bureau amounted to something over \$50,000.

*Music Bureau*—This phase of the Employment Bureau assists in filling the numerous demands for dance orchestras, bands, and similar musical entertainment, and also keeps a file of singers, speakers, and other entertainers. The division is therefore a complete entertainment service in itself.

## Finance

*Treasurer*, Theodore A. Riehl, '30 (*Department Director*)

*Undergraduate Solicitation and Receipts*, Leonard Stievater, '29.

*Advisory Board Solicitation*, Ronald L. Youngson, '30.

*Advisory Board Receipts*, Rodney K. Piper, '31.

*Treasurer*—The treasurer has charge of all money taken in and paid out by the undergraduate Association. The accounts are regularly audited. No money is paid out without an approved voucher. All money is paid by check. The annual solicitation for funds comes in the fall.



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*Undergraduate Solicitation and Receipts*—This division not only assumes definite responsibility in the financial solicitation, but is responsible for the collection of pledges from those undergraduates who do not pay cash at the time of the campaign.

*Advisory Board Solicitation*—Overhead in the form of salaries for direction of the work comes from a mail solicitation of Faculty, Corporation, some parents, and some alumni. This division has charge of sending out letters to the above mentioned groups.

*Advisory Board Receipts*—Money received from the letters sent out comes directly to the treasurer, Horace S. Ford. Records, however, concerning the amounts received, and also acknowledgments, are attended to by this division.

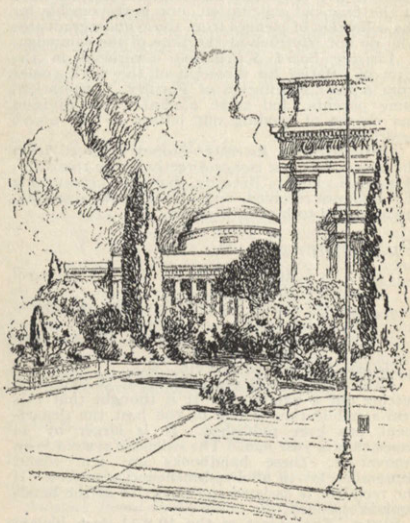
### Publications

Handbook { Hugh Hamilton, Jr., '29 (*General Manager*)  
Henry O. Pattison, '30 (*Managing Editor*)  
Robert M. Snyder, '30 (*Business Manager*) ✓

*Blotter*—H. Edward Marvill, '31.

*Handbook*—For 32 years the T. C. A. has been getting out a handbook. It is thought that this year's publication is one of the best the department has ever published. It is larger by 44 pages than a year ago. The calendar system is an innovation. These handbooks are sent about September 1st to all Freshmen and transfers. If the recipient is assisted the objective of the handbook is obtained.

*Blotter*—The object of the 19 x 24 desk blotter is to provide a medium for advertisers who wish to be before Tech men and also to furnish a handy calendar, fraternity telephone numbers, Institute calendar, and an activity telephone directory. Said blotter may be obtained from the T. C. A. office at the opening of the term. No charge is ever made for any service rendered by the Association.



THE DOME

## FRATERNITIES

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**F**RATERNITIES are organizations in which a group of students band themselves together in the common cause of brotherhood.

Not to be in a fraternity is not a serious incident, as evidenced by the large number of non-fraternity men who have become leaders on the campus. However, so great is the influence exerted by a fraternity on its members that the utmost caution should be used in selecting between any two or more if you are invited to join them. During the school year the fraternities on the campus are continually looking for prospective members. This is known as "Rushing." During "Rushing" the fraternity will invite men to smokers, the theatre, to the house for dinner, and other places, the purpose being to look the man over, discovering whether or not they desire to extend him an invitation of membership. Do not let the "looking over" be one sided. Do some examining for yourself.

If the fraternity approves of a man he is invited to join the organization. This is called "bidding" and every freshman should carefully weigh any "bids" which he may receive before making a decision. Ask yourself the following questions:

1. What reasons are advanced for joining the fraternity?
2. How does this house rank in scholastic standards?
3. In what forms of social life does the fraternity engage? Are they constructive or destructive?
4. What are the costs of joining the fraternity; initiation fees; room and board; standards of dress, etc.?

There is no need for hasty decision regarding any fraternity. Lastly, remember there is usually something wrong if the fraternity which is rushing you demands an answer within some specified time or in other ways attempts to hurry you.

*Social Fraternities*

**Alpha Tau Omega (ΑΤΩ).** 37 Bay State Road, Boston. Founded 1865 at Virginia Military Institute. Beta Gamma chapter. Established 1885. 89 chapters. Almer F. Moore, President. Back Bay 3137.

**Beta Theta Pi (ΒΘΠ).** 241 Kent Street, Brookline. Founded 1839 at Miami University. Beta Upsilon chapter. Established 1913. 86 chapters. Amasa G. Smith, President. Regent 7710.

**Chi Phi (ΧΦ).** 44 The Fenway, Boston. Founded 1824 at Princeton University. Beta chapter. Established 1890. 30 chapters. Lincoln Reid, President. Kenmore 4187.

**Delta Kappa Epsilon (ΔΚΕ).** 403 Memorial Drive, Cambridge. Founded 1844 at Yale University. Sigma Tau chapter. 45 chapters. University 8150.

**Delta Psi (ΔΨ).** 428 Memorial Drive, Cambridge. Founded 1847 at Columbia University. Tau chapter. Established 1889. 9 chapters. Malcolm MacGregor Hubbard, President. University 5667.

**Delta Tau Delta (ΔΤΔ).** 255 St. Paul Street, Brookline. Founded 1859 at Bethany College. Beta Nu chapter. Established 1899. 75 chapters. Fisher Hills, President. Regent 8172.

**Delta Upsilon (ΔΥ).** 526 Beacon Street, Boston. Founded 1834 at Williams. Technology chapter. Established 1891. 52 chapters. Morris E. Powley, President. Back Bay 4375.

**Kappa Eta Kappa (ΚΗΚ).** 507 Beacon Street, Boston. Founded 1923 at University of Iowa. Epsilon chapter. Established 1924. 6 chapters. Huyler B. Ellison, President. Copley 2884-M.

**Kappa Sigma (ΚΣ).** 33 Bay State Road, Boston. Founded 1869 at University of Virginia. Gamma Pi chapter. Established 1914. 102 chapters. Olaf P. Pierson, President. Back Bay 1568.

**Lambda Chi Alpha (ΛΧΑ).** 441 Beacon

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Street, Boston. Founded 1909 at Boston University. Lambda Zeta chapter. Established 1912. 76 chapters. John Lovejoy, President. Back Bay 7197.

**Phi Beta Delta ( $\Phi\text{B}\Delta$ ).** 180 Naples Road, Brookline. Founded 1912 at Columbia University. Theta chapter. Established 1920. 32 chapters. Milton Male, President. Regent 3557-J.

**Phi Beta Epsilon ( $\Phi\text{B}\text{E}$ ).** 400 Memorial Drive, Cambridge. Founded 1890 at Technology. Local. University 2341.

**Phi Gamma Delta ( $\Phi\Gamma\Delta$ ).** 28 The Fenway, Boston. Founded 1848 at Washington and Jefferson College. Iota Mu chapter. Established 1889. 69 chapters. Phil H. Holt, President. Back Bay 5921 and 8591.

**Phi Kappa ( $\Phi\text{K}$ ).** 278 Commonwealth Avenue, Boston. Founded 1889 at Brown University. Eta chapter. Established 1918. 21 chapters. Daniel J. O'Connell, President. Back Bay 8468.

**Phi Kappa Sigma ( $\Phi\text{K}\Sigma$ ).** 530 Beacon Street, Boston. Founded 1850 at University of Pennsylvania. Alpha Mu chapter. Established 1903. 35 chapters. William Wirt Young, President. Back Bay 1369 and 5029.

**Phi Lambda Alpha ( $\Phi\Lambda\text{A}$ ).** 158 St. Paul Street, Brookline. Founded 1921 at New York. Beta chapter. Established 1921. 4 chapters. Juan F. Stolk, President. Regent 6588.

**Phi Mu Delta ( $\Phi\text{M}\Delta$ ).** 33 Englewood Avenue, Brookline. Founded 1918 at University of New Hampshire. Nu Delta chapter. Established 1922. 13 chapters. Neil Cowan Ross, President. Regent 6139.

**Phi Sigma Delta ( $\Phi\Sigma\Delta$ ).** 29 Manchester Road, Brookline. Founded at M. I. T.

**Phi Sigma Kappa ( $\Phi\Sigma\text{K}$ ).** 487 Commonwealth Avenue, Boston. Founded 1873 at Mass. Agricultural College. Omicron chapter. Established 1902. 46 chapters. Ralph B. Atkinson, President. Back Bay 4565.

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**Psi Delta ( $\Psi\Delta$ ).** 326 Bay State Road, Boston. Founded 1922 at Technology. Local chapter. Darrall Parsons, President. Back Bay 9852.

**Sigma Alpha Epsilon ( $\Sigma\text{AE}$ ).** 484 Beacon Street, Boston. Founded 1856 University of Alabama. Mass. Iota Tau chapter. Established 1892. 100 chapters. Wm. G. Houck, Jr., President. Back Bay 1935.

**Sigma Alpha Mu ( $\Sigma\text{AM}$ ).** 523 Newbury Street, Boston. Founded 1909 at College of City of New York. Xi chapter. Established 1917. 32 chapters. Sidney H. Hessel, President. Back Bay 10575.

**Sigma Chi ( $\Sigma\text{X}$ ).** 532 Beacon Street, Boston. Founded 1855 at Miami University. Alpha Theta chapter. Established 1882. 82 chapters. Hunter Rouse, President. Back Bay 4057.

**Sigma Nu ( $\Sigma\text{N}$ ).** 259 St. Paul Street, Brookline. Founded 1869 at Virginia Military Institute. Epsilon Theta chapter. Established 1922. 95 chapters. Edward Axel Yates, President. Regent 4475.

**Tau Delta Phi ( $\text{T}\Delta\Phi$ ).** 38 The Fenway, Boston. Founded 1910 College of City of New York. Eta chapter. Established 1920. 18 chapters. Solomon Horwitz, President. Back Bay 3648.

**Tau Epsilon Phi ( $\text{TE}\Phi$ ).** 25 John Street, Brookline. Founded 1910 at Columbia University. Xi chapter. Established 1910. 26 chapters. George Bromfield, President.

**Theta Chi ( $\Theta\text{X}$ ).** 528 Beacon Street, Boston. Founded 1856 at Norwich University. Beta chapter. Established 1902. 45 chapters. Ralph Vezin, President. Kenmore 3249.

**Theta Delta Chi ( $\Theta\Delta\text{X}$ ).** 334 Harvard Street, Cambridge. Founded 1847 at Union College. Theta Deuteron chapter. Established 1900. 30 chapters. Robert Henderson, President. University 2966.

**Theta Xi ( $\Theta\Xi$ ).** 66 Bay State Road, Boston. Founded 1864 at Rensselaer Polytechnic Institute. Delta chapter. Established 1885. 30 chapters. Bernard B. Brockelman, President. Back Bay 5907.



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## *Honorary Societies*

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**Alpha Chi Sigma**, Honorary chemical fraternity. Members picked from the chemical courses.

**Baton**, Honorary Societies of the Musical Clubs. Membership extended to those who have rendered exceptional service to the Clubs.

**Beaver Club**, Junior Honorary Society. Members chosen from the activity highlights of the Sophomore class.

**Calumet Club**, Honorary Society of the M. I. T. A. A. Membership extended for exceptional work in athletics.

**Frieze and Cornice**, Honorary Architectural Society. For Honor men in the school of architecture.

**Grogo**, The Honorary Society of Technique. Membership awarded for exceptional service on the managing board.

**Hexalphia**, Honorary Society of Course VI-A. This society serves as an executive committee for undergraduate activities in this course.

**Masque**, Honorary Society of Tech Show. Membership extended for exceptional service to Tech Show.

**Mortar and Ball**, The national coast Artillery Honorary fraternity. Members are chosen from among those taking the advanced work in this branch of the service.



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**Osiris**, Honorary Senior Society. Members chosen because of their exceptional service to the undergraduate affairs of the Institute.

**Pi Delta Epsilon**, National honorary journalistic Fraternity. This is the highest honor that can be won at Tech in Journalism.

**Scabbard and Blade**, National Military Fraternity choosing its members from the students in the advanced R. O. T. C. courses.

**Scroll**, Honorary Society of the Tech Engineering News. Its members are chosen from the managing board of this publication.

**Stylus**, Honorary Society of The TECH. Reward given to all candidates for The TECH.

**Tau Beta Pi**, a national honorary fraternity for engineering schools. The highest award attainable at Tech. Picks its members on a scholastic basis with activity requirements.

**Tech Boat Club**, Crew Honorary Society. Members are chosen for their part in the advancement of rowing at the Massachusetts Institute of Technology.

**Theta Tau**, a national professional engineering fraternity. Chooses men most likely to succeed in their profession.

**Walker Club**, Senior Social Club. Members chosen from the activity high-lights of the Junior Class.

**Woop Garoo**, Honorary Society of Voo Doo. Chooses its members for service on the board of this publication.

## 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, have and exercise general powers of 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 the 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.

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## 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 Institute Committee, they shall be presented to the Association for ratification or rejection, as 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

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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:

- Dormitory Committee
- M. I. T. A. A.
- Musical Clubs
- Tech Show
- Technique
- Technology Christian Association
- The Tech
- The Voo Doo
- Technology Engineering News.
- Combined Professional Societies
- Walker Memorial Committee
- Architectural Student Council
- Budget Committee
- Elections Committee
- Point System Committee

Section 5. Any other organization 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 that organization 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 organizations shall be deemed an acceptance of this Constitution and its authority.

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## 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 the chairman of the Walker Memorial Committee and one more member elected at large by the committee from its members shall constitute an Executive Committee.

Section 2. The President of the Senior Class shall be the President of the Institute Committee, and the Chairman of the Budget Committee shall be the Treasurer 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 amendment shall be submitted to the entire student body for consideration by publication or 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.

### *By-Laws*

## ARTICLE I

The name of this organization shall be the Institute Committee.

## ARTICLE II

The function of this committee shall be as provided for in Article IV, Section 1, of the Constitution.

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## ARTICLE III

Section 1. The membership of the Institute Committee shall consist of three members of each class, of whom one shall be the class president, the other two shall be members of the class elected at large by the class; and shall furthermore consist of one representative from each Undergraduate Organization to whom a seat has been granted as hereinafter provided; and, in addition, the chairman of the various standing committees of the Institute Committee who are granted ex-officio membership of the Institute Committee.

Section 2. The class members shall attend the first meeting of the Institute Committee after their election. They shall not have the right to vote on any questions at this meeting except the election of officers of the Institute Committee. In this election the superseded members shall not have the right to vote. At the adjournment of this meeting the retiring class representatives shall give up their seats to the new representatives.

Section 3. All members of the Institute Committee shall assume office at the organization of the new Institute Committee in May and hold same until the last meeting of that Institute Committee. Organizations changing offices at periods other than this shall not change their representative until the regular time as defined above.

Section 4. All vacancies in the Institute Committee shall be filled by the organization concerned in accordance with the custom of that organization. No person may become a member of the Institute Committee without submitting written credentials from the organization which he represents. In case the official representative of an organization cannot be present at a meeting of the Institute Committee, the Committee may seat a substitute who shall have a written authorization signed by the absent member or by the organization which he represents.

## ARTICLE IV

Section 1. The officers and Executive Committee, as provided for in Article V, Section 1



and 2, of the Constitution, shall, with the exception of the President, the Chairman of the Budget Committee, and the Chairman of the Walker Memorial Committee, be elected by written ballot at the first meeting following the election of the representatives from the classes. Voting in this election shall be in accordance with Article III, Section 2 of these By-Laws.

Section 2. Standing committees and other committees shall be organized, and shall operate in accordance with the REGULATIONS OF COMMITTEES.

## ARTICLE V

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

Section 2. The Vice-President shall assume the duties of President in case of the absence of the latter. In case of his resignation, however, the Vice-President of the Institute Committee shall become President of the Institute Committee, or his successor shall be elected by the Institute Committee. He shall assume the responsibility of collecting and filing reports of the four classes of sub-committees of the Institute Committee as provided in Article XI.

Section 3. The Secretary shall keep all records of the Institute Committee and shall send notices of all meetings to all members of the Committee.

Section 4. The Treasurer shall receive, be responsible for, and disburse all moneys of the Institute Committee and all of its sub-committees in accordance with the regulations of the Budget Committee. He shall act as sole depositor for all moneys belonging to the Classes.

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 the facts pertaining thereto.



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## ARTICLE VI

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

Section 2. Special meetings may be called at any time by the President or by the Executive Committee. Within three days after having received the written request of ten members, the President shall call a meeting of the Institute Committee to be convened within five days of the date of the request.

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

1. Roll Call.
2. Reading minutes of previous meeting.
3. Special business.
4. Reports of Standing Committees.
5. Reports of other 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 VII

No meeting shall begin or continue unless at least a quorum of two-thirds the total membership is present.

## ARTICLE VIII

Section 1. No fines shall be levied for lateness or absence but such lateness and absence shall be published in the issue of THE TECH following the meeting at which such lateness or absence occurs.

Section 2. Proxies will be accepted for absence as defined in Section 3.

Section 3. If the full representation of any organization is not present at two consecutive meetings of the Institute Committee, and if any organization has consecutively two proxies and an absence in any order, that organization shall

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forfeit its right to representation on the Committee, which representation shall not be granted until the Institute Committee has been in receipt of a formal petition from the organization giving due assurance that such absence shall not recur, and shall have passed on this petition in accordance with Article IX, Section 3, of these By-Laws.

## ARTICLE IX

Section 1. To be granted representation on the Institute Committee, an organization must have existed one and one-half calendar years, and must either have had a minimum of 50 students taking active part in it during one Institute term, or must have traditions which render it worthy of representation.

Section 2. Having fulfilled these requirements, the organization may be granted representation at the discretion of the Institute Committee, a two-thirds vote of all members present being required.

## ARTICLE X

Section 1. Any organization appearing before the public as an M. I. T. Undergraduate Organization must first be granted this privilege by a two-thirds vote of the Institute Committee. This privilege may be withdrawn at any time by a similar vote providing the matter has been duly investigated and due notice has been given to the organization concerned. The constitutions of all such organizations shall be kept by the Institute Committee.

Section 2. The organizations so recognized are the organizations classified as Class A and Class B activities in Article IV, Section 7, of the Budget Committee Constitution, and the following:

- Baton
- Beaver Club
- Boat Club
- Calumet Club
- Catholic Club
- Chess Club
- Chinese Students' Club

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Cleofan  
Drama Shop  
Debating Society  
Frieze and Cornice  
Hexalpha  
Masque  
Menorah Society  
M. I. T. Post Society of American Military  
Engineers  
Osiris  
Outing Club  
Polo and Riding Club  
Radio Society  
Rifle Club  
Scroll  
Squash Racquets Club  
Stylus  
Quadrangle Club  
Walker Club  
Whoopgaroo

## ARTICLE XI

There shall be three classes of sub-committees of the Institute Committee; all of which shall submit Formal Reports except that temporary committees may submit informal reports when authorized by the President of the Institute Committee, and the Senior Week Committee shall submit financial reports and may submit the minutes of its meetings and the meetings of its sub-committees. The reports of the committees in section "a," "b," and "c" shall be submitted to the Institute Committee at its second meeting after the sub-committee ceases to function. The Senior Week Committee shall submit its report at the first meeting of the Institute Committee the following school year.

(a) Standing Committees, with the exception of the Field Day, Junior Prom and Senior Week Committees, function throughout the entire year and carry out routine duties of the Institute Committee. The Standing Committees are:

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Budget Committee  
Elections Committee  
Point System Committee  
Walker Memorial Committee  
Field Day Committee  
Junior Prom Committee  
Senior Week Committee

(b) Special Committees which function every year may carry out certain details of the business of the Institute Committee. There are at present two of these Committees, the All-Tech Smoker Committee, and the Tech Circus Committee.

(c) Temporary Committees which are appointed from time to time perform such duties as the Institute Committee shall specify.

## ARTICLE XII

Proper changes of these By-Laws may be made by a vote of two-thirds of the members of the committee at any meeting of that body, providing three days' notice of the intended change has been given to all members of the committee.

## *Budget Committee*

### ARTICLE I

The name of this Committee shall be the Budget Committee.

### ARTICLE II

The purpose of this Committee shall be to regulate the expenditures of all money received through the Undergraduate Dues, and to collect and permanently file financial reports of undergraduate activities as stated in Article IV, Section 5.

### ARTICLE III

Section 1. This Committee shall consist of a Chairman, who shall be the ex-officio Treasurer of the Institute Committee, and of two associates, one of whom shall be the Treasurer of the M. I. T. A. A., and the other a member of the student body at large and shall further consist of the Bursar of the Institute in an advisory capacity.

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Section 2. The member of the Budget Committee from the student body at large shall be elected by the Executive Committee of the Institute Committee, subject to the ratification of the Institute Committee, at the second meeting of that committee following the class elections.

### ARTICLE IV

The duties of the Budget Committee shall be as follows:

1. It shall at the third regular meeting of the Institute Committee in the fall term present a budget covering the expenditures of the Institute Committee, and of all its sub committees.

2. To investigate all proposed expenditures of any undergraduate organization receiving money from the Undergraduate Dues, and approve or disapprove of this expenditure as it sees fit. No money from the Undergraduate Dues shall be spent by undergraduates until such expenditures have been approved by the Budget Committee.

3. To submit copies of all approved budgets of athletic organizations spending money of the Undergraduates' Dues to the Treasurer of the M. I. T. A. A.

4. To report the approved budgets for all the athletic teams at a meeting of the Institute Committee not later than the first meeting in December. This report shall contain the total amount budgeted to each team.

5. To receive and permanently file financial reports of Group A and B activities at the end of the fiscal year of each, such annual reports to be received not later than the second meeting of the Institute Committee following the close of the fiscal year of each activity. If an auditor's report is made for an activity by a Certified Public Accountant, the Budget Committee shall receive a copy of that report in place of the Treasurer's report. A fine of five dollars shall be imposed for each late report.

6. The annual dues for each organization coming under the jurisdiction of the Budget

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Committee shall be one dollar payable Jan. 1st, except that organizations financed by Undergraduate Dues shall pay no dues to the Budget Committee. A fine of five dollars shall be imposed for late payment of dues.

7. For the purpose of defining the group of activities mentioned in Section 5 such grouping shall be as follows:

## *Group A*

The Institute Committee  
The Four Classes  
M. I. T. A. A.  
Musical Clubs  
T. C. A.  
Technique  
Tech Show  
T. E. N.  
The Tech  
Voo Doo

## *Group B*

Architectural Society  
Combined Professional Societies  
Aero. Eng. Society  
Chemical Society  
Civil Engineering Society  
Corporation XV  
Mechanical Engineering Society  
Mining Engineering Society  
M. I. T. Branch A. I. E. E.  
Naval Architecture Society  
Dormitory Committee  
Dormitory Dance Committee  
M. I. T. Flying Club  
M. I. T. Post Army Ordinance Association

## ARTICLE V

Section 1. The Budget Committee is empowered to levy a fine, of from five to ten dollars, against any organization contracting for expenditures of Undergraduate Dues, previous to the approval of such expenditures by the Budget Committee.



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Section 2. Such fines shall be paid for with funds other than those received from the Undergraduate Dues.

Section 3. Notification of such fines shall be sent to each member of the Executive Committee of the Organization fined.

Section 4. The Chairman of the Budget Committee is empowered at his discretion to make no expenditures from the Undergraduate Dues in favor of the organization fined until such fine has been fully paid.

### ARTICLE VI

Changes in these Regulations may be made by two-thirds vote of the members present at any meeting of the Institute Committee.

## *Elections Committee*

### ARTICLE I

The name of this Committee shall be the Elections Committee.

### ARTICLE II

The purpose of this Committee shall be to conduct elections as hereinafter provided.

### ARTICLE III

Section 1. The Committee shall consist of a Chairman, who is an ex-officio member of the Institute Committee, and seven associate members.

Section 2. The chairman shall be a senior elected by the Executive Committee of the Institute Committee subject to the ratification of the Institute Committee at the second meeting of that Committee following class elections.

Section 3. The associate members shall be appointed by the Executive Committee of the Institute Committee subject to the ratification of the Institute Committee. At least two of these shall be members of the senior class, and at least three shall be members of the Junior class.



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## ARTICLE IV

The duties of the Elections Committee shall be to carry on elections in accordance with the rules hereinafter stated:

Section 1. The Chairman of the Elections Committee shall turn over to the Secretary of the Institute Committee all ballots after the results of an election have been announced and the votes recounted as provided in Article IV, Section 13. The Secretary of the Institute Committee shall keep them for one month and then destroy them. The stubs shall be kept by the Chairman of the Elections Committee for one month.

Section 2. All Class Elections and Junior Prom Committee Elections shall be by the preferential system of voting. Senior Week Elections shall be by the Hare-Spence System with the Marshals elected by preferential system of voting.

Section 3. All persons shall vote only with the class to which they are assigned by the Registrar, unless a written petition is sent to the Chairman of the Elections Committee requesting the right to vote with a class of which that person was previously a member. Evidence of the acceptance of such petition is given by permitting the person to vote in accordance with his desire as expressed in the petition. He then automatically becomes a member of the class with which he votes and may vote in no other class for the remainder of the school year.

Section 4. A person is eligible to be nominated for an office in the class in which he is a voter except that only those who were members of the graduating class in their junior year shall be eligible for election to the Senior Week Committee.

Section 5. Nomination blanks shall be submitted in the following form:

We, the undersigned members of the Class of.....do hereby nominate ..... for.....of our Class.

(Sponsors' signatures)

I hereby accept the nomination.

(Signature of Nominee) .....

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For all Class elections there shall be the signatures of ten sponsors on the nomination blank. For the Junior Prom Committee Election and Senior Week Committee Election, there shall be the signatures of five sponsors on the nomination blank.

The nominations for Senior Class Day Marshals shall require the signatures of twenty-five (25) sponsors.

Section 6. Nominations papers must be deposited in a locked box provided for the purpose between the hours of 9 a.m., on the Wednesday and 1 p.m. on the Thursday immediately preceding the election or else they will not be accepted.

Section 7. The ballot shall contain a complete list of nominees, grouped according to offices and arranged in alphabetical order. It shall be perforated along a line one and one-half inches from the bottom edge. The lower portion shall contain a space for the voter's signature and shall have a number corresponding to that on the upper portion. Each ballot shall be numbered consecutively.

Section 8. The Chairman shall have the required number of ballots in his possession at least twenty-four hours before the opening of the poll. The ballots required for mailing shall be in the possession of the Chairman by three P.M., on the Saturday preceding the day of elections.

Section 9. In the annual spring elections, the ballots of each class shall be a separate color.

Section 10. All elections shall be held on Wednesday, the day before the Thursday on which there is a meeting of the Institute Committee.

(a) The Freshman Class elections shall be held on the Wednesday of the first or second week following Field Day.

(b) The Junior Prom Committee Election shall be on the first or second Wednesday of December.

(c) The Senior Week Committee Election shall be held on the second or third Wednesday, following the beginning of the second term.

(d) The Annual Spring Class Elections shall be held on the second or third Wednesday following Junior Week.

Section 11. The date of election and the date upon which nominations are due shall be publicly announced two weeks before the day of the election.

Voting regulations, date and place of the election, and a list of the nominees shall be printed in THE TECH on the Monday preceding the day of election. The polls shall be open from 8.30 A.M. until 5.30 P.M.

Section 12. The voting for all elections shall be done in two rooms designated by the Committee. One shall be the main lobby and the other shall be in Rogers Building.

Voting by mail shall be allowed for all students in courses which require their attendance at places other than M. I. T. at the time of the elections. Ballots for this voting shall be sent by the Chairman of the Elections Committee by six P.M., on the Saturday preceding the day of elections to those men who have sent a written request to the Chairman of the Elections Committee for the same before that time. All such ballots must be returned to the Chairman of the Elections Committee by five-thirty P.M., on the day of elections. All ballots received after this hour shall be void.

There shall be no voting by proxy.

There shall be a locked ballot box, the key of which shall be held by the Chairman of the Elections Committee.

The voter shall on entrance receive his ballot which he shall fill out at a booth or screened table provided for the purpose. There shall be a space set aside for the voting booth. No one except those in charge of elections shall be admitted to this space unless there is an empty booth. The voter on exit shall separate the two portions of his ballot dropping the upper portion in the ballot box, and giving the lower portion containing his signature to the attendant at the exit.

Section 13. There shall be no counting of votes until after the close of the polls.

The counting when either the Preferential or Hare-Spence System is used shall be done by all members of the Elections Committee who are not nominees in the election. In the annual Spring

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Class Elections the counting shall be done by the Elections Committee and such extra men as the Chairman shall deem necessary to complete the task within a reasonable time. None of the men counting votes shall be nominees in the election being counted. In case one of the Committee members is a nominee in an election, the Chairman shall be empowered to fill his place temporarily.

All men counting votes shall be on their honor not to divulge or intimate the results to any one regardless of his position until formal announcement of the results has been made to the Institute Committee.

Section 14. The Chairman of the Elections Committee shall make a formal announcement of the results of all elections at the meeting of the Institute Committee on the day following the day of elections, except that, in the case of protest, this announcement shall not be made until the elections have been adjudged legal.

Section 15. Any protests shall be presented to the Executive Committee which shall meet prior to the meeting of the Institute Committee on the day following the day of elections.

Section 16. The Chairman of the Elections Committee may make such additional rulings as he deems necessary except that such additional rulings shall not conflict with any part of the Constitution of the Undergraduate Association or its accompanying By-Laws.

Section 17. All forms of electioneering at the polls and any attempts to form voting blocks, etc., shall be prohibited.

Section 18. Candidates for office shall not be permitted to take active part in the work of the Elections Committee.

### *Voting*

Section 19. The voter numbers his candidates in the order of his preference. He may number as many as he likes.

### *Counting by Preferential System*

Provide a tally sheet containing the names of the

candidates on the left, with columns to the right of the names.

Sort the ballots into piles in accordance with the first choice indicated on them.

Count the number in each pile, and enter the figures on the tally sheet in the first column against the candidate's name.

If, at this stage, one candidate has a majority of the total votes cast, he is elected.

If this first count gives a majority to no one candidate proceed as follows:

Drop from the list the man with the least number of votes. Distribute his ballots among the remaining candidates in accordance with the second choice indicated on each ballot. Enter these total figures in the second column.

If there is still no choice, drop the candidate who stands last on the count in column 2, and proceed as before. Continue until some one has a majority.

If two candidates are to be elected find the man who has the highest count by the method just indicated. Then eliminate his votes, and start again with the first choice.

### *Counting by Hare-Spence System*

As in the Preferential system, the ballots are sorted into piles in accordance with the first choices indicated thereon. All candidates having  $x$  or more votes, where  $x$  represents the total number of votes cast divided by the number to be elected, are declared elected. Their ballots are redistributed according to the highest choice on the ballots for any remaining candidate, and all candidates having a total number of ballots on their pile equal to or greater than the  $x$  number defined above are elected. This process continues until the requisite number have been elected.

Section 20. Three candidates are to be elected as Class Day Marshals, and twenty-five candidates are to be elected to the Senior Week Committee.

Section 21. The Officers of the Senior Week Committee are to be chosen by the members of the committee after their election to it.

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## ARTICLE V

Changes in these Regulations may be made by a two-thirds vote of the members present at any meeting of the Institute Committee.

## *Point System Committee*

### ARTICLE I

The name of this Committee shall be the Point System Committee.

### ARTICLE II

Section 1. The purpose of this Committee shall be to enforce and regulate the Point System.

Section 2. The purpose of the Point System shall be to prevent an undergraduate from undertaking too many activities to the detriment of himself or any of the activities.

### ARTICLE III

Section 1. This Committee shall consist of a Chairman, who shall be an ex-officio member of the Institute Committee, and of three associates. The chairman shall be a member of the Senior Class; the associate members of the student body at large.

Section 2. The positions on this Committee shall be filled by election of the Executive Committee of the Institute Committee subject to ratification of the Institute Committee at the second meeting of that Committee following the class elections.

### ARTICLE IV

Section 1. This Committee shall see that every position in every undergraduate organization is assigned a definite number of points.

Section 2. Before a new office is created in any undergraduate organization permission must be had from the Institute Committee to create such an office, and the points must be assigned by the Point System Committee and approved by the Executive Committee.



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TECHNOLOGY BRANCH  
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**BUY AT YOUR STORE AND  
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Dividend Checks for last year's purchases will be ready for distribution in October. The dividend paid on last year's business was 10% on cash purchases and 8% on charge purchases.

Checks are cashed, charge accounts opened (for "COOP" members only).

The "COOP" is the official source of required textbooks, drawing instruments and supplies in every course.

**Technology Branch  
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Give your “COOP” number when you pay twenty-five cents or over.

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**“COOP”**

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## ARTICLE V

No person may be allowed to carry more than ten points unless permission is given him to do so by a two-thirds vote of the members present at any meeting of the Institute Committee. This shall in no way prevent a person from being a member of an athletic team even though his total points exceed ten. No person on probation may hold any office to which points are assigned.

## ARTICLE VI

No person may resign from an office given him by popular election in order to reduce his points to allow him to accept a subsequent position.

## ARTICLE VII

The Institute Committee may not approve the election or appointment of any person to any office unless the matter has been investigated and approved by the Point System Committee and unless the report of the organization's elections is signed by the Chairman of the Point System Committee.

## ARTICLE VIII

Section 1. A record of all persons in activities must be kept by the Point System Committee, and a report made by this Committee at every meeting of the Institute Committee.

Section 2. The Point System Committee shall hold a meeting of all its members before each meeting of the Institute Committee and bring all records up to date.

## ARTICLE IX

Before the close of the tenure of office of the members of the Point System Committee the points assigned to all positions shall be investigated and any changes which seem advisable shall be referred to the Institute Committee for action. Such action is to take effect with the appointment of a new Point System Committee.

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## ARTICLE X

Changes in these regulations or in the point assignments may be made by a two-thirds vote of the members present at any meeting of the Institute Committee.

The points shall be as follows:

### Classes

	Sr.	Jr.	Soph.	Fresh.
President .....	10	9	7	6
Vice-President .....	1	1	1	1
Secretary .....	2	2	2	2
Treasurer .....	3	3	3	3
Institute Committee .....	5	5	5	5
Executive Committee .....	1	1	1	1

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

President .....	10
Vice-President .....	2
Secretary .....	4
Treasurer .....	9
Assistant Treasurer .....	4
Publicity Manager .....	8
Assistant Publicity Manager .....	4
Track Manager .....	9
Sophomore Assistant .....	5
Freshman Assistant .....	4
Cross-Country Manager .....	6
Crew Manager .....	8
Sophomore Assistant .....	5
Freshman Assistant .....	4
Basketball Manager .....	7
Swimming Manager .....	7
Sophomore Assistant .....	5
Freshman Assistant .....	4
Soccer Manager .....	6
Hockey Manager .....	6
Wrestling Manager .....	6
Tennis Manager .....	6
Boxing Manager .....	6
Gymnasium Manager .....	6
Sophomore Assistants .....	5
Freshman Assistants .....	4

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Rifle Manager .....	5
Golf Manager .....	5
Fencing Manager .....	5
Sophomore Assistants .....	4
Freshman Assistants .....	3
Class Teams Manager .....	4
Assistant Manager .....	2
Supervising Manager of Intramural Baseball..	5

## *The Tech*

General Manager .....	10
Editor-in-Chief .....	9
Managing Editor .....	9
Business Manager .....	9
News Editor .....	8
Sports Editor .....	8
Features Editor .....	8
Advertising Manager .....	8
Circulation Manager .....	8
Treasurer .....	8
Night Editors .....	7
Editorial Board.....	6
Assistants to Members of Associate Board .	7
Staff Members .....	5
Candidates.....	2

## *Technique*

General Manager .....	10
Managing Editor .....	9
Business Manager.....	8
Literary Editor .....	8
Department Editor .....	8
Advertising Manager .....	8
Treasurer .....	8
Publicity Manager .....	8
Photographic Manager .....	8
Staff .....	6
Candidates.....	4

## *Voo Doo*

General Manager .....	10
Managing Editor .....	9
Business Manager .....	8
Art Editor .....	8

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Literary Editor .....	8
Advertising Manager .....	8
Circulation Manager .....	8
Publicity Manager .....	8
Associate Editors .....	6
Assistant Editors .....	5
Business Associates .....	6
Candidates .....	4

## *Tech Engineering News*

General Manager .....	10
Business Manager .....	9
Editor-in-Chief .....	8
Advertising Manager .....	7
Managing Editor .....	7
Publicity Manager .....	7
Circulation Manager .....	7
Personnel Manager .....	7
Associate Editor .....	7
Professional Relations Editor .....	6
Institute Editor .....	6
News and Statistics Editor .....	6
Editorial Editor .....	6
Assistant Business Manager .....	6
Other Assistants .....	5
Business and Editorial Staff .....	4
All Candidates .....	4

## *Tech Show*

General Manager .....	10
Junior Manager .....	9
Sophomore Assistant Manager .....	5
Freshman Assistants Candidates .....	4
Principal cast .....	6
Minor Cast, Members of Chorus, Ballet, Orchestra .....	4

## *Musical Clubs*

General Manager .....	10
Business Manager .....	3
Treasurer .....	8
Publicity Manager .....	8
Stage Manager .....	8
Sophomore Assistant Managers .....	8
Freshman Assistant Managers .....	5

# The Handbook

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Leaders .....	6
Assistant Leaders .....	3
Members .....	2
<i>Technology Christian Association</i>	
President .....	10
Vice-President .....	4
Treasurer .....	4
Department Directors .....	3
Division Managers .....	2
<i>Institute Committee</i>	
Treasurer .....	9
Secretary .....	8
Members from Classes .....	5
<i>Walker Memorial Committee</i>	
Chairman .....	9
Junior Members .....	6
Sophomore Members .....	5
<i>Choral Society</i>	
President .....	5
Vice-Presidents .....	3
Secretary .....	2
Treasurer .....	2
<i>Budget Committee</i>	
Members-at-large .....	2
<i>Point System Committee</i>	
Chairman .....	6
Members .....	2
<i>Elections Committee</i>	
Chairman .....	5
Members .....	1
<i>Finance Committee</i>	
Chairman .....	9
Junior Members-at-large .....	6
Sophomore Members .....	3
<i>Dormitory Committee</i>	
Chairman .....	6
Treasurer .....	2
Other Members .....	1
<i>Dorm Dance Committee</i>	
Chairman .....	4
Members .....	1



# Nineteen Twenty-Eight

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## *Professional Societies*

President .....	5
Vice-President .....	2
Secretary .....	2
Treasurer .....	2
Members of Governing Board, Directors, etc.	1

## *Combined Professional Society Executive Committee*

Chairman .....	3
Vice-Chairman .....	2
Secretary .....	1
Treasurer .....	1
Members .....	1
Representatives on Institute Committee ...	1

## *Clubs and Societies*

President .....	3
Vice-President .....	1
Secretary .....	1
Treasurer .....	1

## *Architects' Student Government*

President .....	5
Class Representatives .....	2
Secretary .....	1
Treasurer .....	1

## *Walker Memorial Committee*

### ARTICLE I

The name of this Committee shall be the Walker Memorial Committee.

### ARTICLE II

The purpose of this Committee shall be to regulate the Walker Memorial Building and Naval Hangar Gym.

### ARTICLE III

Section 1. This Committee shall consist of a Chairman who shall be ex-officio a member of the Institute Committee and the Executive Committee of the Institute Committee, and six other associates. The Chairman shall be a member of

## *The Handbook*

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the Senior Class. The remainder of the Committee shall consist of two members of the Junior Class and four of the Sophomore Class during their term of office.

Section 2. At the first meeting of the Executive Committee of the Institute Committee following annual spring class elections, the retiring Chairman of the Walker Memorial Committee shall appoint his successor subject to ratification by the Institute Committee. He shall also recommend at this time, for election to the Walker Memorial Committee, the names of two members of the Sophomore Class who become Junior members of the Walker Memorial Committee.

Section 3. The Chairman of the Walker Memorial Committee shall hold a three weeks' competition for Sophomore members of this Committee two weeks after school opens in the fall. At the end of this time he shall appoint four Sophomores subject to the ratification of the Institute Committee.

### ARTICLE IV

The powers of the Walker Memorial Committee shall be as follows:

1. To have charge of the student administration of the Walker Memorial Building and Naval Hangar Gym and to enforce such house rules as are deemed necessary for the proper administration of these buildings."

2. To appoint any sub-committees that seem advisable, subject to the ratification of the Institute Committee.

3. To assign all rooms of the Walker Memorial and Naval Hangar Gym for the use of undergraduate activities and to prevent as far as possible any meetings that will materially conflict with each other.

4. To require the complete plans for any social function to be held in Walker Memorial and Naval Hangar Gym planned by an organization to be submitted in writing and signed by a responsible member of that organization. This report shall

be handed in one week previous to date of function. Failure to do so shall incur a fine of five dollars.

5. To levy a fine of one dollar (\$1.00) on any organization which holds a meeting in the Walker Memorial or Naval Hangar Gym unauthorized by the Walker Memorial Committee, the fine to be payable to the Treasurer of the Institute Committee, and to refuse to approve the application for reservation of any room in Walker Memorial or the Naval Hangar Gym until this fine is paid.

6. To regulate all affairs which are carried on in the corridors of the Institute buildings to the best interests of the Massachusetts Institute of Technology and to enforce such rules as are necessary for the proper conduct of publicity campaigns and drives.

## ARTICLE V

The duties of the Walker Memorial Committee shall be as follows:

1. To have published in THE TECH a schedule of undergraduate events, and to maintain in Walker Memorial a calendar of all undergraduate events on a board provided for the purpose.

2. To procure from all organizations a list of coming events, and to list these events in a book provided for the purpose.

3. To have at least one member of the Committee present at each dance held in the building and at any other function where it seems advisable. To procure from the organization two complimentary tickets to these functions.

4. To see that the activities' offices are kept clean and in repair, and that any improvements or changes desired by the organizations are made through the Walker Memorial and Naval Hangar Gym Committee.

5. To enforce all rules relative to the various parts of the Walker Memorial and the Naval Hangar Gym.

6. To co-operate with the Dean, the Superintendent of Buildings and Power, and the Superintendent of dining service in every way possible for the proper administration of the building and gym.

# *The Handbook*

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7. To have charge of all publicity campaigns conducted on the grounds of the Institute.

8. To submit to the Institute Committee any applications from organizations not connected with the Institute, to conduct drives and to enforce the decisions of the Institute Committee relative thereto.

9. To be responsible for the appearance and use of all bulletin boards of the undergraduate body.

10. To prevent the use of these bulletin boards for commercial interest not connected with the Institute.

11. To maintain a record of the Heads of all activities.

12. To notify the high or preparatory school of any man upon his election or appointment to an office of importance in undergraduate activities.

## ARTICLE VI

Changes in these Regulations may be made by a two-thirds vote of the members present at any meeting of the Institute Committee.

## *Uniform Class Constitution*

### ARTICLE I

The organization shall be known as the Class of \_\_\_\_\_ of the Massachusetts Institute of Technology.

### ARTICLE II

Section 1. All persons who on entrance are classified by the Registrar of M. I. T. as belonging to this class are members of this organization.

Section 2. If the Registrar transfers any member of this organization to another class, he may, nevertheless, continue to be a member of this organization by having a petition to vote with this organization accepted by the Elections Committee of the Institute Committee.

# *Nineteen Twenty-Eight*

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Section 3. All persons transferred into this class by the Registrar shall be members of this organization, unless they have petitioned in accordance with Section 2.

## ARTICLE III

Section 1. Previous to the election of officers in the Freshman year, the class shall be under the supervision of the Field Day Committee.

Section 2. The Field Day Committee shall be assisted by a General Committee. This Committee shall be appointed by the Field Day Committee subject to the approval of the Institute Committee.

## ARTICLE IV

Section 1. The officers of the class shall consist of a President, Vice-President, Secretary, Treasurer, two Members at Large, and two delegates to the Institute Committee, all of whom shall constitute the Executive Committee of the class. These officers shall serve until the next general election of officers by the class.

## ARTICLE V

Section 1. The President shall preside over all meetings of the class, the Executive Committee, and shall be an ex-officio member of all committees of the class. He shall countersign all requisitions issued by the class.

Section 2. The Secretary of the Class shall be secretary of the Executive Committee and shall give notice of all meetings and be responsible for all records of the class.

Section 3. The Vice-President shall assume the duties of President in case of the latter's disability, absence, or resignation.

Section 4. The Treasurer shall be responsible for the disbursement of all moneys of the class. He shall deposit all money of the class with the Treasurer of the Institute Committee and shall sign all requisitions for the expenditures of such moneys. He shall prepare a budget for all the

# *The Handbook*

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expenditures of the class, which shall be submitted to the Budget Committee after it has been approved by the Executive Committee of the class. He shall keep accounts of moneys received or due from the Undergraduate Dues separate from those received from other sources. He shall observe the regulations of the Budget Committee.

Section 5. The Executive Committee shall have the power to appoint such committees as it deems necessary.

Section 6. The Executive Committee shall have the power to fill vacancies occurring within itself, subject to the ratification of the Institute Committee.

## ARTICLE VI

Section 1. Class meetings shall be called by the President, Executive Committee, or by the written request to the President signed by thirty members of the Class.

Section 2. All notices of such meetings shall be posted on the undergraduate bulletin boards.

## ARTICLE VII

Section 1. The election of the members of the Executive Committee shall be by the Preferential system of voting and shall be conducted in accordance with the rules of the Elections Committee.

Section 2. The section representatives of the Freshman Class shall be elected by each section the second week of the first term. There shall be three (3) men elected from each section under the auspices of the Field Day Committee.

## ARTICLE VIII

In case of negligence of duties, or misconduct thereof, any member of the Executive Committee may be disposed from office by a two-thirds vote of the Executive Committee, and ratified by a majority vote of the Institute Committee.

## ARTICLE IX

In case of dispute, the correct interpretation of



# *Nineteen Twenty-Eight*

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this constitution shall be determined by the Institute Committee.

## ARTICLE X

This constitution will automatically become the constitution of every class upon its registration at the Institute.

## ARTICLE XI

A two-thirds vote of the Executive Committee shall be necessary to amend this constitution, subject to the approval of the Institute Committee.

## *Field Day Committee*

### ARTICLE I

The name of this Committee shall be the Field Day Committee.

### ARTICLE II

This Committee shall consist of the Executive Committee of the Institute Committee, the Presidents of the Junior and Sophomore classes, and the Manager of Field Day. The Chairman of this Committee shall be the President of the Institute Committee.

### ARTICLE III

This committee shall act with power on all questions relating to Field Day, the events surrounding Field Day, and shall supervise the conduct of the affairs (including all meetings of the two lower classes) from the opening of the Institute in the fall until the Freshman elections.

The following resolution was adopted by the Institute Committee in regard to Field Day:

"That in order to protect the good name of the undergraduate government, there shall be no parades or demonstration of any character off the Institute grounds, and that the President of the Institute be requested to support this decision by giving due notice that offenders render themselves liable to expulsion, and that the offenders shall be personally liable for any damages."



# Stone & Webster

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**DESIGN** steam power stations, hydro-electric developments, transmission lines, city and interurban railways, gas and chemical plants, industrial plants, warehouses, and buildings.

**CONSTRUCT** either from their own designs or from designs of other engineers or architects.

**OPERATE** public utility and industrial companies.

**REPORT** on going concerns, proposed extensions, and new projects.

**FINANCE** industrial and public utility properties.

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NEW YORK      BOSTON      CHICAGO

*Nineteen Twenty-Eight*

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SEPTEMBER, 1928

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Sun. 9

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Mon. 10

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Tues. 11

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Wed. 12  
Entrance Examinations Begin

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Thurs. 13

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Fri. 14

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Sat. 15

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# *The Handbook*

---

SEPTEMBER, 1928

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Sun. 16

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Mon. 17

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Tues. 18

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Wed. 19

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Thurs. 20

Registration Must Be Completed Before 2 p.m.

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Fri. 21

Fees Due at Bursar's Office Before 2 p.m.

Leave for Freshman Camp

First Issue of *The Tech* Appears

---

Sat. 22

---

# *Nineteen Twenty-Eight*

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SEPTEMBER, 1928

---

Sun. 23

---

Mon. 24

Registration Day  
Return from Freshman Camp  
T. C. A. Blotters Ready

---

Tues. 25

Classes Begin  
First T. C. A. Cabinet Meeting

---

Wed. 26

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Thurs. 27

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Fri. 28

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Sat. 29

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*The Handbook*

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SEPTEMBER, 1928

---

Sun. 30

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Mon. 1

OCTOBER

First Technique Competitors' Meeting

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Tues. 2

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Wed. 3

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Thurs. 4

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Fri. 5

All-Technology Smoker

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Sat. 6

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*Nineteen Twenty-Eight*

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OCTOBER, 1928

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Sun. 7

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Mon. 8

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Tues. 9

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Wed. 10

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Thurs. 11

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Columbus Day—Holiday

Fri. 12

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Sat. 13

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*The Handbook*

---

OCTOBER, 1928

---

Sun. 14

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Mon. 15

First Issue of *T. E. N.*

---

Tues. 16

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Wed. 17

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Thur. 18

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Fri. 19

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Sat. 20

Cross Country Meet with Holy Cross at Winchester

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*Nineteen Twenty-Eight*

---

OCTOBER, 1928

---

Sun. 21

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Mon. 22

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Tues. 23

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Wed. 24

Freshman Camp Reunion

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Thurs. 25

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Fri. 26

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Sat. 27

Handicap Cross Country Meet at Tech Field

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# *The Handbook*

---

OCTOBER, 1928

---

Sun. 28

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Mon. 29

Nov. Technology Review Out Today

---

Tues. 30

---

Wed. 31

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Thurs. 1      NOVEMBER

*Dr. Davis?*

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Fri. 2

Field Day

---

Sat. 3

Cross Country: New Hampshire at Franklin Park

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*Nineteen Twenty-Eight*

---

NOVEMBER, 1928

---

Sun. 4

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Mon. 5

T. C. A. Financial Campaign Begins

---

Tues. 6

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Wed. 7

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Thurs. 8

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Fri. 9

T. C. A. Financial Campaign Ends

---

Sat. 10

Fall Interclass Meet at Tech Field

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*The Handbook*

---

NOVEMBER, 1928

---

Sun. 11

---

Mon. 12

N. E. C. C. Championships at Franklin Park

---

Tues. 13

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Wed. 14

Nov. T. E. N.

---

Thurs. 15

---

Fri. 16

---

Sat. 17

---



*Nineteen Twenty-Eight*

---

NOVEMBER, 1928

---

Sun. 18

---

Mon. 19

Intercollegiate C. C. Championship at New York

---

Tues. 20

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Wed. 21

Tech-Technique Football

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Thurs. 22

---

Fri. 23

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Sat. 24

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*The Handbook*

---

NOVEMBER, 1928

---

Sun. 25

---

Mon. 26

---

Tues. 27

---

Wed. 28

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Thurs. 29

Thanksgiving

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Fri. 30

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Sat. 1

DECEMBER

Basketball Game with New Bedford at Tech

---

*Nineteen Twenty-Eight*

---

DECEMBER, 1928

---

Sun. 2

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Mon. 3

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Tues. 4

---

Wed. 5

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Thurs. 6

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Fri. 7

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Sat. 8

Basketball Game with Boston University at Tech

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*The Handbook*

---

DECEMBER, 1928

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Sun. 9

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Mon. 10

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Tues. 11

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Wed. 12

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Thurs. 13

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Fri. 14

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Sat. 15

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*Nineteen Twenty-Eight*

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DECEMBER, 1928

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Sun. 16

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Dec. T. E. N.

Mon. 17

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Tues. 18

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Wed. 19

Basketball Game with Manhattan College at Tech

---

Thurs. 20

---

Fri. 21

---

Sat. 22

Christmas Vacation Begins

---

*The Handbook*

---

DECEMBER, 1928

---

Sun. 23

---

Mon. 24

---

Tues. 25

Christmas

---

Wed. 26

---

Thurs. 27

---

Fri. 28

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Sat. 29

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*Nineteen Twenty-Eight*

---

DECEMBER, 1928

---

Sun. 30

---

Mon. 31

---

JANUARY, 1929

Tues. 1

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Wed. 2

Classes Resume

---

Thurs. 3

---

Fri. 4

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Sat. 5

Annual Alumnae Dinner

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*The Handbook*

---

JANUARY, 1929

---

Sun. 6

---

Mon. 7

---

Tues. 8

---

Wed. 9

Basketball Game with Brown at Providence

---

Thurs. 10

---

Fri. 11

---

Sat. 12

Basketball Game with Harvard at Tech

---

*Nineteen Twenty-Eight*

---

JANUARY, 1929

---

Sun. 13

---

Mon. 14

Jan. T. E. N.

---

Tues. 15

---

Wed. 16

---

Thurs. 17

---

Fri. 18

---

Sat. 19

Last Day of First Term

---

*The Handbook*

---

JANUARY, 1929

---

Sun. 20

---

Mon. 21

Mid-Year Exams Begin

---

Tues. 22

---

Wed. 23

---

Thurs. 24

---

Fri. 25

---

Sat. 26

T. C. A. Mid-Winter Outing Begins

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*Nineteen Twenty-Eight*

---

JANUARY, 1929

---

Sun. 27

---

Mon. 28

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Tues. 29

---

Wed. 30

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Thurs. 31

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FEBRUARY

Fri. 1

Fees Due Before 2 p.m.

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Sat. 2

Tech Show 1929 in New York

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# *The Handbook*

---

FEBRUARY, 1929

---

Sun. 3

---

Mon. 4

Registration Day—Second Term  
*Technique* Signups Begin

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Tues. 5

Classes Begin

---

Wed. 6

---

Thurs. 7

---

Fri. 8

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Sat. 9

Basketball Game with Lowell Textile at Tech

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*Nineteen Twenty-Eight*

---

FEBRUARY, 1929

---

Sun. 10

---

Mon. 11

---

Tues. 12

Lincoln's Birthday  
Basketball Game with Yale at New Haven

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Wed. 13

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Thurs. 14

---

Fri. 15

---

Sat. 16

Basketball Game with Providence College at Tech

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*The Handbook*

---

FEBRUARY, 1929

---

Sun. 17

---

Mon. 18

Feb. T. E. N.

---

Tues. 19

---

Wed. 20

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Thurs. 21

Basketball Game with University of Maine at Tech

---

Fri. 22

Washington's Birthday—Holiday  
Basketball Game with Mass. Agriculture College  
at Tech

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Sat. 23

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*Nineteen Twenty-Eight*

---

FEBRUARY, 1929

---

Sun. 24

---

Mon. 25

---

Tues. 26

---

Wed. 27

---

Thurs. 28

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Fri. 1

MARCH

---

Sat. 2

Basketball Game with New Hampshire at Durham  
Indoor Interclass Meet

---

*The Handbook*

---

MARCH, 1929

---

Sun. 3

---

Mon. 4

---

Tues. 5

---

Wed. 6

Basketball Game with Tufts at Tech

---

Thurs. 7

---

Fri. 8

---

Sat. 9

---

*Nineteen Twenty-Eight*

---

MARCH, 1929

---

Sun. 10

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Mon. 11

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Tues. 12

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Wed. 13

---

March T. E. N.

---

Thurs. 14

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Fri. 15

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Sat. 16

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*The Handbook*

---

MARCH, 1929

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Sun. 17

---

Mon. 18

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Tues. 19

---

Wed. 20

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Thurs. 21

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Fri. 22

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Sat. 23

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*Nineteen Twenty-Eight*

---

MARCH, 1929

---

Palm Sunday

Sun. 24

---

Mon. 25

---

Tues. 26

---

Wed. 27

---

Election—T. C. A. Officers

---

Thurs. 28

---

Fri. 29

---

Sat. 30

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*The Handbook*

---

MARCH, 1929

---

Sun. 31

Easter

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Mon. 1

APRIL

---

Tues. 2

---

Wed. 3

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Thurs. 4

---

Fri. 5

---

Sat. 6

---

# *Nineteen Twenty-Eight*

---

APRIL, 1929

---

Sun. 7

---

Mon. 8

---

Tues. 9

---

Wed. 10

---

April T. E. N.

---

Thurs. 11

---

Fri. 12

---

Sat. 13

---

Tech Show 1929 in Northampton  
Spring Interclass Track Meet—Tech Field

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# *The Handbook*

---

APRIL, 1929

---

Sun. 14

---

Mon. 15

---

Tues. 16

---

Wed. 17

Spring Recess Begins  
Technique Rush—2.15 p.m.  
Corporation Tea Dance—3.00 p.m.

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Thurs. 18

Spring Concert

---

Fri. 19

Patriots' Day  
Junior Prom  
Tech Show 1929

---

Sat. 20

Tech Show 1929

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*Nineteen Twenty-Eight*

---

APRIL, 1929

---

Sun. 21

---

Mon. 22

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Classes Resume

---

Tues. 23

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Wed. 24

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Thurs. 25

---

Fri. 26

---

Sat. 27

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Track: University of Maine at Tech Field

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*The Handbook*

---

APRIL, 1929

---

Sun. 28

---

Mon. 29

---

Tues. 30

---

Wed. 1

MAY

---

Thurs. 2

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Fri. 3

---

Sat. 4

---

Track: Tech at Cornell

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*Nineteen Twenty-Eight*

---

MAY, 1929

---

Sun. 5

---

Mon. 6

---

Tues. 7

---

Wed. 8

---

Thurs. 9

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Fri. 10

---

Sat. 11

---

*The Handbook*

---

MAY, 1929

---

Sun. 12

---

Mon. 13

May T. E. N.

---

Tues. 14

---

Wed. 15

---

Thurs. 16

---

Fri. 17

N. E. I. C. C. Meet

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Sat. 18

N. E. I. C. C. Meet

---

# *Nineteen Twenty-Eight*

---

MAY, 1929

---

Sun. 19

---

Mon. 20

---

Tues. 21

---

Wed. 22

Last Exercise—Fourth Year

---

Thurs. 23

---

Fri. 24

Senior Exams Begin  
I. C. A. A. A. Meet at Philadelphia

---

Sat. 25

Last Exercise Second Term  
I. C. A. A. A. Meet at Philadelphia

---

*The Handbook*

---

MAY, 1929

---

Sun. 26

---

Mon. 27

Final Examinations Begin

---

Tues. 28

---

Wed. 29

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Thurs. 30

Memorial Day

---

Fri. 31

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Sat. 1

JUNE

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*Nineteen Twenty-Eight*

---

JUNE, 1929

---

Sun. 2

---

Mon. 3

---

Tues. 4

---

Commencement

---

Wed. 5

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Thurs. 6

---

Fri. 7

---

Sat. 8

---

Betty Bayburn says :

“Many a live wire  
would be a dead one  
except for its con-  
nections.”

---

Are you “connected”  
with BAYBURN for  
your dry cleaning,  
pressing, and valet  
service?

**Bayburn**  
INC. 1916

Arlington 5000

**ONE BROADWAY  
ARLINGTON**

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LAWRENCE P. BLISS, '22  
Managing Director



*Brooks Brothers,*  
**CLOTHING,**  
Gentlemen's Furnishing Goods,  
MADISON AVENUE COR. FORTY-FOURTH STREET  
NEW YORK

**BOSTON**

LITTLE BUILDING; TREMONT COR. BOYLSTON STREET

Messrs. BROOKS BROTHERS  
beg leave to announce that  
they will remove their  
Boston Store to their New  
Building, NEWBURY cor.  
BERKELEY STREET about

*August 1, 1928*



The cat is out  
of the bag  
and you are  
in on the  
secret.

It's a secret everybody knows—  
That the fullest benefit and  
enjoyment can be gotten out  
of Tech life by working and  
playing with

## PHOSPHORUS

If you write or draw or are  
interested in the business end  
of a real activity see him in the  
VOO DOO office at once.

*Nineteen Twenty-Eight*

Are You A Live Wire?

---

MAKE A NAME  
FOR YOURSELF

WITH

TECHNIQUE

*Your Year Book*

---

Competition open to all freshmen.

BUSINESS, LITERARY  
and ART DEPARTMENTS

**Room 308 Walker Memorial**

# YOUR CHOICE

*Six Departments*

NEWS                      ADVERTISING  
SPORTS                    CIRCULATION  
FEATURES                 TREASURY



The Official Undergraduate  
NEWSPAPER

Freshman competition opens  
with the beginning of  
the Fall term.

## CALL AT

Newsroom

Room 3

Walker Memorial

Business Office

Room 302

Walker Memorial

## ACTIVITIES?

The *Tech Engineering News* is *The* one!

What is *T. E. N.* (*Tech Engineering News*)?

The best undergraduate engineering college magazine in the U. S.

What does *T. E. N.* print and how often?

Only articles of Engineering or Scientific nature, once a month.

What does the student get by connection with *T. E. N.*?

1. Intimate acquaintance with fellow students, professors, and various business men.

2. A knowledge of Editorial and Business policies on a real magazine.

3. A chance of being elected to the national honorary journalistic fraternity, Pi Delta Epsilon.

Call at our office after school starts and learn how you may become associated with *T. E. N.*



**TECH ENGINEERING NEWS**

Room 29 Walker Memorial



# Trinity Church

COPLEY SQUARE

REV. HENRY K. SHERRILL,  
Rector

Assistant Ministers

Dr. William E. Gardner

Rev. Gardiner M. Day

Tel. Kenmore 5075

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## SUNDAY

11.00 a.m. Morning Prayer and  
Sermon—The Rector.

4.00 p.m. Choral Evensong—Dr.  
Gardner.

5.30 p.m. Young People's Fellow-  
ship.

7.30 p.m. Evening Service—Mr.  
Day.

Holy Communion is celebrated  
the first Sunday of each month at  
11 a.m., every Sunday at 8 a.m.,  
every Wednesday and Saints'  
Days at 12.10.

The Church is liberal and pro-  
gressive and welcomes to its fellow-  
ship all thinking students. You  
are invited to make it your Church  
Home while in Boston.

*Nineteen Twenty-Eight*

# **St. Paul's Church**

(Roman Catholic)

Arrow and DeWolfe Streets  
off Quincy Square

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ATTENDED BY CATHOLIC  
STUDENTS

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## **SUNDAY**

Masses at 6, 7, 8, 9, 10, 11 A. M.  
Holy Hour 5 P. M.

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## **HOLY DAYS**

Masses at 5.30, 6, 7, 8, 9 A. M.

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## **WEEK DAYS**

Masses at 7 and 8 o'clock

# Old South Church

in Boston  
Copley Square

REV. RUSSELL HENRY STAFFORD, D. D.,  
Minister

REV. LESLIE JOHN ADKINS,  
Assistant Minister

MISS RUTH A. CARTER,  
Director of Religious Education

## SUNDAY

11 a.m. Worship Service with Sermon.

9.45 a.m. Young People's Division of  
the Church School.

5.30 p.m. Young People's Hour.  
Supper served at 25 cents each.

6.30 p.m. Young People's Discus-  
sion Meeting.

7.30 p.m. Worship Service with Ser-  
mon.

## WEDNESDAY

8.00 p.m. Worship Service with Ser-  
mon.

Students are cordially welcome at all  
services and are especially invited to the  
Social Hour and Discussion Meeting be-  
ginning at 5.30 p.m. on Sundays.

*Nineteen Twenty-Eight*

## **Mt. Vernon Church**

Beacon St. and Massachusetts Ave.  
BOSTON, MASS.

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### **HERRICK HOUSE**

**490 Beacon Street**

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#### **MINISTERS**

**SIDNEY LOVETT**

**HAROLD JONES**

**EVERETT BAKER**

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### **SUNDAY SERVICES**

11.00 a.m. Morning Worship.

7.30 p.m. A meeting primarily for Students, in the Chapel, with special speakers. Discussion, Music, and concluding with a Social Hour in Herrick House.

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Holy Communion is celebrated the first Sunday of each month at 8 a.m. and 11 a.m.

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The Church aims through its work and worship to promote individual Christian lives of social value and influence in the world.

## *The Handbook*

### **First Presbyterian Church**

Columbus Avenue and Berkeley Street

REV. ROBERT WATSON, D.D., LL.D.

Minister

---

#### SUNDAY

- 10.30 A.M. Public Worship with Sermon.  
12.00 M. Students' Discussion Group and  
Bible School.  
6.20 P.M. Christian Endeavor Society.  
7.30 P.M. Public Worship with Sermon.  
7.45 P.M. Friday—Week-day Service.
- 

Students are received by affiliated membership with this church during their stay in the city.

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### **Westminster House for Students**

185 Bay State Road, Boston

J. Phone: Kenmore 3300 6582

Dr. Theodore M. Carlisle is director in charge. The house is always open, and a special invitation is given to the Sunday Afternoon Meetings at 5 o'clock.

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Nineteen Twenty-Eight

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"The deputation trips—I wouldn't have  
missed them."

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IN THE CHAPEL**

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For Men and Women Students.

**REV. B. STANLEY BATSTONE, Min-  
ister to Students.**

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### **The Cathedral Church of St. Paul**

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**Very Rev. Philemon F. Sturges, Dean**

#### **SUNDAY SERVICES**

8 and 10.05 a.m. Holy Communion.

11.00 a.m. Morning Prayer and Sermon.  
(Except first Sunday in month). Holy  
Communion and Sermon (first Sunday  
in month).

7.00 p.m. Violin and Organ.

7.30 p.m. Evening Service and Sermon.

8.30 p.m. The Friendly Hour.

**EVERY WEEKDAY:** 8.20 a.m., Holy  
Communion; 12.10, Noonday Service.

Services, classes, discussion groups,  
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student work, will be glad to talk with any  
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men and women meets at KING'S  
CHAPEL HOUSE, 27 MARLBOROUGH  
ST., each Sunday evening. Supper 6.30,  
meeting with speaker, debate, or musical  
program, 7.30. Candlelight Service at  
9.00. Strangers heartily welcome.



## Nineteen Twenty-Eight

### Copley Methodist Episcopal Church

(One block from Public Library, Exeter  
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#### SUNDAY SERVICES

Worship Services 10.30 a.m. and 7.00 p.m.  
Special Young People's Service 6.00 p.m.  
Fellowship Hour 8.00 p.m.

Special work carried on for Students  
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*Worship — Fellowship — Socials — Hikes  
— Training for Leadership — Study Groups  
— Prayer Groups — Service Groups — Per-  
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10.15 Morning Worship in the  
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House, Harvard.

6.15 Supper, followed by a  
Forum Hour, in the home of the  
Resident Pastor.

An Association of students with  
a program for students.

*The Handbook*

**Arlington Street Church**  
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Arlington and Boylston Sts., Boston

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Sunday School - - 11.45

A hearty welcome to Students

*Nineteen Twenty-Eight*

# Epworth Methodist Episcopal Church

Mass. Ave. opposite Waterhouse St.

**WELCOMES "TECH" MEN**

## **Ministers**

J. EDWIN LACOUNT

FRANK E. GOODNOUGH

10.45 a.m. PUBLIC WORSHIP. Student Choir.

12.10 p.m. EPWORTH CLASS, largely composed of students.

7.30 p.m. SERVICE IN CHARGE OF THE STUDENT COUNCIL OF TWENTY-TWO. A free discussion of practical religious subjects.

Social half hour after service.

Students are invited by Mr. and Mrs. Lacount to an informal "At Home" at the Parsonage, 38 Langdon St., on the first Sunday afternoon of each month from 3 to 5 o'clock.

The ministers not only purpose to have the students feel the welcome of Epworth in the Sunday services and social occasions, but wish to be of any practical personal service through friendly consultation.

*The Handbook*

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Sunday Services: 10.45 A. M.

(Except July and August) 7.30 P. M.

Wednesday Evening Meeting 7.30 P. M.

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(Near Central Square, Cambridge)

**Rev. W. M. MACNAIR, Pastor.**

Services 10.30 and 7.30. Young People 6.30.  
Sunday School 12 M. Prospect Class of Men  
at 12 M.

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**The Rev. James Dirickson Cummins,  
Associate Minister.**

**SUNDAY SERVICES**

8.00 and 10.15 a.m. Holy Communion  
9.30 a.m. Children's Service and Address  
11.00 a.m. Morning Service and Sermon  
4.00 p.m. Musical Service and Sermon  
6.30 p.m. Young People's Meeting with  
Special Speakers: Discussion and Music

*You are invited to any or all of these meetings*

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Naval Architecture and Marine Engineering  
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The Course in Architecture is of five years' duration, and leads to the degree of Bachelor in Architecture. Five year Co-operative Courses in Electrical Engineering and Railroad Operation leading to the degrees of Bachelor of Science and Master of Science are also offered.

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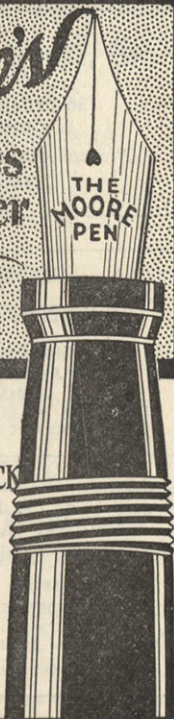
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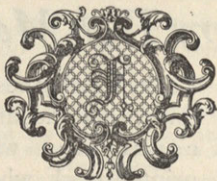
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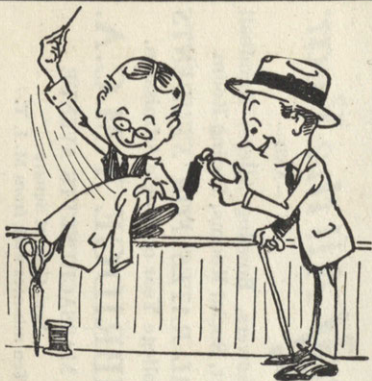
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