

TECHNOLOGY

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THE
HANDBOOK

VOL. XXXV

THE MASSACHUSETTS
INSTITUTE OF
TECHNOLOGY



“Mens et Manus”

THE HANDBOOK

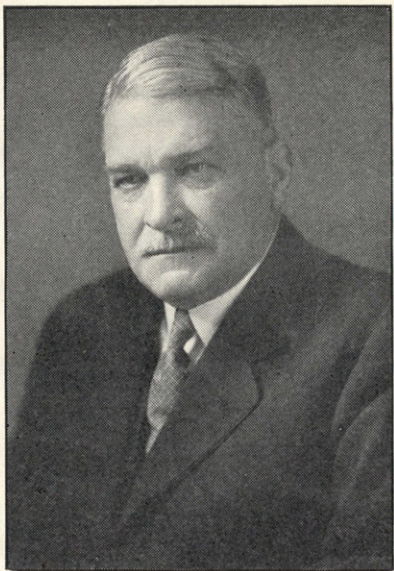
VOL. XXXV

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This book is presented by:
THE TECHNOLOGY CHRISTIAN
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DR. SAMUEL W. STRATTON
Chairman of the Board

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MASSACHUSETTS INSTITUTE OF TECHNOLOGY
CAMBRIDGE
OFFICE OF THE PRESIDENT

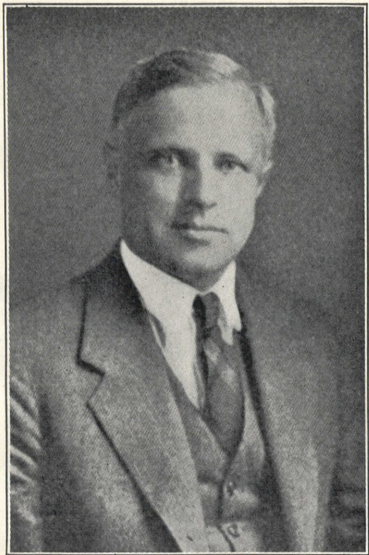
Class of 1935:

You are the sixty-sixth class to enter the Institute. Preceding classes have made a record of achievement in American life which is the outstanding justification for the type of training which the Institute offers to its students. The facilities of the laboratories, the courses and the teaching staff are continually being improved and extended. Consequently your opportunities are the greatest in the history of the Institute and we are confidently looking forward to your success in making the most of these opportunities.

Since your professional life will involve dealing with men as well as with technical problems, it is important for you to take advantage of opportunities for developing personal contacts on the highest plane. In this the Technology Christian Association will offer you invaluable opportunities.

Karl T. Compton

President



DR. KARL T. COMPTON
President of the Institute

FOREWORD

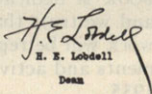
THE Massachusetts Institute of Technology will be found by the incoming freshmen to be an unparalleled institution. As such, there are many ways in which it differs from the ordinary American college. At the same time, the undergraduates have tried to foster such things that are essential to maintain an enjoyable college life. The purpose of this HANDBOOK is to help, as much as is possible, each new freshman in understanding the customs and activities of the Institute; and to assist him in fitting his life into the career of a real Technology man. The 1931 HANDBOOK is dedicated to this service, and we trust that the efforts in our work will be repaid by the achievements and activities of the Class of 1935.

THE EDITOR

MASSACHUSETTS INSTITUTE OF TECHNOLOGY
CAMBRIDGE
OFFICE OF THE DEAN

The following pages convey the genuine welcome that the Institute extends to the Class of 1935. They also suggest the manifold Technology undergraduate activities that so profitably complement our scholastic program and enrich our community life.

You will find the Institute has much more to offer any student of reasonable intelligence than classroom and laboratory work. If your academic preparation for Institute work has been sound and thorough you need have no hesitancy in engaging in one or more of these activities which are being so competently managed by undergraduates themselves.


H. E. Laddell
Dean



HAROLD E. LOBDELL
Dean of Undergraduates

HISTORY

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 President Rogers prepared a memorial asking that certain land in Back Bay be set apart for a polytechnic college; and in April 1861 it was granted by the General Court of Massachusetts.

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.

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

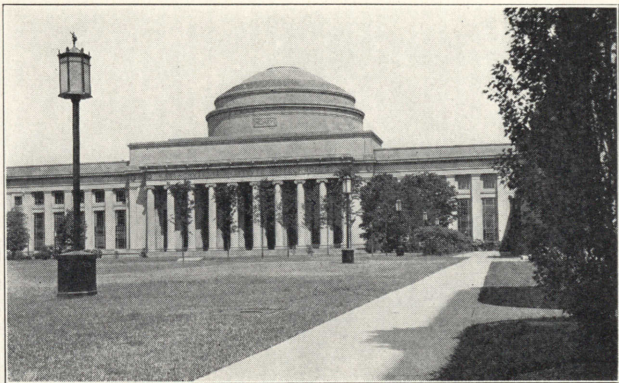
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was called to the presidency. Doctor Pritchett had previously been director of the Coast and Geodetic Survey. During his administration the social activities and physical conditions of the Institute were greatly developed.

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.

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 June 7, 1909, 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 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, adminis-



THE DOME

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trator, 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. Dr. 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 leadership at Technology.

After the resignation of Dr. Nichols, the Institute was again under the direction of an Administrative Committee headed by Dean Talbot. In December 1922, Dr. Stratton was elected to fill the chair left vacant by Dr. Nichols' resignation. His admirable record of achievement as director of the United States Bureau of Standards, promised a brilliant future for Technology which has been realized under his leadership.

In March 1930, President Stratton resigned as President of the Institute to become Chairman of the Corporation, and Dr. Karl T. Compton was elected to succeed him. Dr. Compton was inaugurated June 6, 1930. Previous to his inauguration he was Chairman of the Department of Physics in Princeton University, and his noteworthy success augurs well for the Institute's future and it is confidently expected that Technology under President Compton will increase its reputation of being America's foremost scientific school.

TECHNOLOGY

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 architect was 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.

One of the most recent additions is the new Aeronautical Building, which was made possible by the generous gift of the Daniel Guggenheim Foundation for the promotion of aeronautics. This building contains a wind tunnel which occupies three floors and runs the entire length of the building. This is one of the best aeronautical laboratories in the country.

Another new addition to the Institute buildings is the Automotive laboratory which is equipped with both the usual models and special types of engines. This laboratory is the most up-to-date of its kind.

The Infirmary is located in a four-story wing of the Institute buildings. The first floor contains the office of the Medical Director, the first aid room, the nose, throat and dental clinics, four large examination rooms, eight dressing chambers, a

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filing room for records and a large waiting room. There are twelve beds on the second floor and two five-bed wards, four private rooms, a kitchen, and an operating room on the third floor. There is a solarium and a tile-paved sun porch on the fourth floor. A doctor is on duty every morning, except Sundays and holidays from 8:30 to 9:30 and every afternoon from 4:00 to 5:00 except Saturdays, Sundays and holidays. There is a trained nurse constantly on duty. The charge for staying in the Infirmary is very reasonable, amounting to only one dollar per day.

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 with equipment of this building. The government of 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 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 Tech-

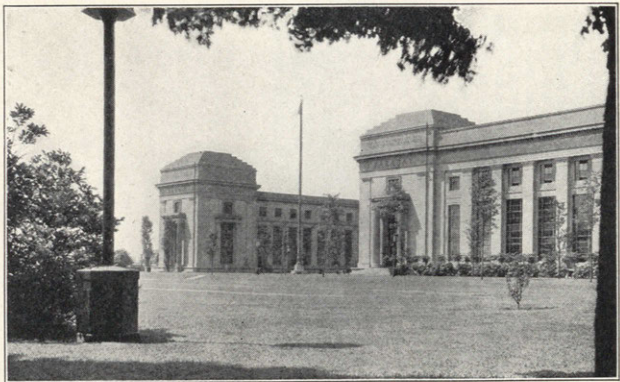
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nology buildings on the old site down town. It contains the department of architecture.

The Hangar 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 hangar for the naval training planes in use. The building has been remodeled and it now contains a regulation size basketball 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 ground 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.



THE GREAT COURT

ADVICE

IN 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 freshmen 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.

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

The Handbook

4. 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.

5. 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.

6. 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.

7. You are welcome to expert medical advice, free of charge, from the Institute Physician, whose office is in room 3-115. Office hours are 8:30 to 9 in the morning and 4 to 5 in the afternoon.

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

9. 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.

10. 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 Christmas Vacation. 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 should not loiter around the Main Lobby, nor sit on the benches in the Lobby. If the Freshmen win Field Day, this restriction shall be abandoned.

4. When an upperclassman 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.

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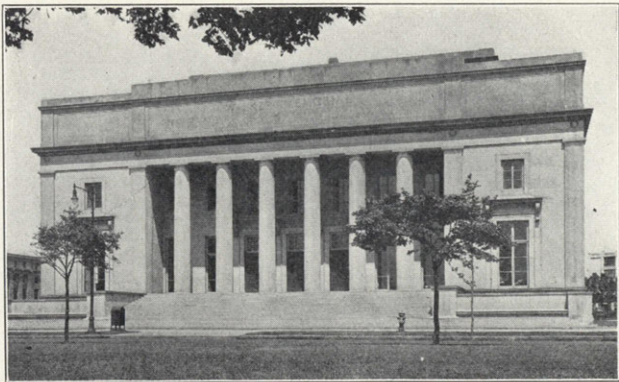
5. Administration of the above rules shall be delegated to a Freshman Rules Committee which shall consist of a chairman, who shall be a Junior appointed by the executive committee subject to the ratification of the Institute committee, five other Juniors, and six Sophomores.

6. The enforcement of these rules is at the discretion of the Freshman Rules Committee. Rules shall end at the beginning of the Christmas Vacation.

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.

Formerly, when the end of the Freshmen rules regime at Technology came early in the spring, there was a big rally of the Freshman Class, a tree was planted to commemorate the occasion, and the ties were consigned to the flames of a large bonfire, while the men circled about in a huge snake dance. A celebration of this type is out of the question, however, in the middle of December. The Class of 1935 may, perhaps find some substitute.

This year is the fifth that Freshman Rules have been in existence at Tech. They have been very successful in many respects, and there is no one, who is not their firm supporter. Two organizations, the Quadrangle Club and the Dormitory committee help in the enforcement of the rules.



THE WALKER MEMORIAL

FRESHMAN CAMP

FOR many years it had been felt that the freshmen, upon entering the Institute, were so suddenly thrown into a life entirely different from that which they were accustomed to, that they became lost in the newness of it all. The Institute found the long sought for solution in the Freshman Camp, which was inaugurated six years ago. The camp served as a short cut for a freshman to the life and spirit of the Institute, and as a compass whereby he could help orient himself to his new world.

By living, eating and talking with a group of leading upperclassmen, faculty and alumni for three days, the freshmen get a touch of the best which these men have seen and experienced in the Institute. They become acquainted with the activities, athletics and life at Technology; and what is by far the most important, they get to know a large number of their classmates in an informal and intimate way before beginning their four years of work. They strike up acquaintances with men whom they perhaps would never have seen or known had it not been for the camp. It is at a time such as this when the finest in Technology spirit becomes most contagious.

This is the sixth year of the Freshman Camp, and it is becoming more popular with each year of its existence. The first year 88 freshmen attended and last year there were 267 freshmen with 100 upperclassmen. This year plans are being made to accommodate even a larger freshman delegation.

FIELD DAY

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. 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 five parts: a football game, a crew race, a relay race, a tug-of-war, and a glove fight. Football counts four points, the crew race and the relay race each count three points, the tug-of-war two points, and the glove fight counts one point. As the contests are held on the first Friday in November, but a few weeks after the opening of the Institute year, the winning class is usually the class which shows the most pep in getting regular practice started. Coaches and supervising managers are furnished from the regular coaching staff and from members of the upper classes. Juniors act as sponsors for the freshmen and seniors for the sophomores.

Last year Field Day was almost a complete walk-away for the freshmen. The Junior class as sponsors for the freshmen did an unsurpassed job in organizing and coaching them. The crew race, which came as usual in the morning, was won by two lengths by the freshmen. Classes were dismissed at noon and shortly afterwards activities commenced in earnest. The sophs gained their only victory of the whole day by winning the tug-of-war in two straight

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pulls. The freshmen, however, won the football game by the record score of 45-0, and won the relay race by more than forty yards. In the final event, the glove fight, the sophomores put up a losing battle, the freshmen capturing 54 gloves to the sophomores' 51 gloves. The banquet in Walker Memorial that evening brought Field Day to a close—a Field Day which was for the Freshmen one of the most successful in the history of the Institute.

Field Day Scores

<i>Year</i>	<i>Won by</i>
1901—Class of '04 vs. '05	Freshmen
1902—Class of '05 vs. '06	Sophomores
1903—Class of '06 vs. '07	Sophomores
1904—Class of '07 vs. '08	Sophomores
1905—Class of '08 vs. '09	Sophomores
1906—Class of '09 vs. '10	Sophomores
1907—Class of '10 vs. '11	Sophomores
1908—Class of '11 vs. '12	Freshmen
1909—Class of '12 vs. '13	Freshmen
1910—Class of '13 vs. '14	Sophomores
1911—Class of '14 vs. '15	Sophomores
1912—Class of '15 vs. '16	Sophomores
1913—Class of '16 vs. '17	Sophomores
1914—Class of '17 vs. '18	Freshmen
1915—Class of '18 vs. '19	Sophomores
1916—Class of '19 vs. '20	Freshmen
1917—Class of '20 vs. '21	Sophomores
1918—Class of '21 vs. '22	Sophomores
1919—Class of '22 vs. '23	Sophomores
1920—Class of '23 vs. '24	Sophomores
1921—Class of '24 vs. '25	Sophomores
1922—Class of '25 vs. '26	Sophomores
1923—Class of '26 vs. '27	Sophomores
1924—Class of '27 vs. '28	Sophomores
1925—Class of '28 vs. '29	Sophomores
1926—Class of '29 vs. '30	Sophomores
1927—Class of '30 vs. '31	Sophomores
1928—Class of '31 vs. '32	Freshmen
1929—Class of '32 vs. '33	Sophomores
1930—Class of '33 vs. '34	Freshmen

TECH SONGS

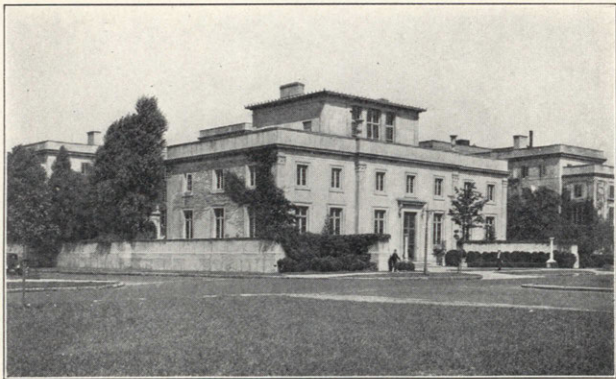
RICH, indeed, are the undergraduates of Tech as far as school songs are concerned. Some of the songs here printed were composed in response to a competition; others are the gift of many Tech men who have gone on before. They have been handed down from class to class, and with each year they have become 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, and 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.

According to tradition, the "Stein Song" and usually "Take Me Back to Tech" are sung at every gathering of Technology men.

Every new man should learn the words of 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.

In addition to the songs, the cheers should also be learned so that the new man will enter into the enthusiasm of all gatherings.



THE PRESIDENT'S RESIDENCE

Nineteen Thirty-One

A Stein Song

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

Chorus:

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

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

Chorus:

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

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

The Handbook

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 has instilled,
So rise our voices with memories thrilled,
Technology Alma Mater
Technology Alma Mater.

Words by G. M. Fair, '16

Nineteen Thirty-One

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—

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

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.

M-A-S-S-A-C-H-U-S-E-T-T-S
I-N-S-T-I-T-U-T-E—O-F—T-E-
C-H-N-O-L-O-G—and
Y comes after G,
Massachusetts Institute
of Technology.

Words by I. W. Litchfield, '85

The Handbook

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

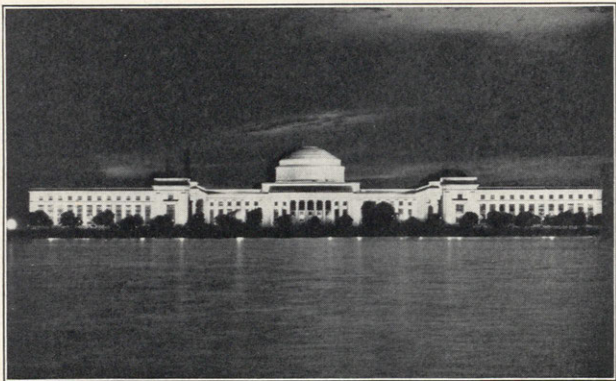
CHEERS

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!



THE INSTITUTE AT NIGHT

DIRECTORY

Class Officers

1932

President, Donald B. Gilman
Vice-President, William H. Barker
Secretary, William A. Kirkpatrick
Treasurer, Edward N. Poor
Institute Committee, John Lawrence
Institute Committee, Thomas E. Sears, Jr.
Executive Committee, Maurice W. Cook
Executive Committee, Eugene F. Lynch

1933

President, Robert G. MacKay
Vice-President, Richard L. Fossett, Jr.
Secretary, Cyrus S. Hapgood
Treasurer, Charles P. Britton
Institute Committee, Charles C. Bell
Institute Committee, Wilbur B. Huston
Executive Committee, James P. Mills
Executive Committee, Leighton R. Richards

1934

President, Henry D. Humphreys
Vice-President, Peter Barry
Secretary, Robert M. Becker
Treasurer, Rex Murdoch
Institute Committee, Richard Bell
Institute Committee, Robert M. Emery
Executive Committee, Edward P. Bromley
Executive Committee, Louis P. Holladay

Committees

Institute Committee

President, Donald B. Gilman
Vice-President, Thomas B. Rhines
Secretary, Clarence M. Chase, Jr.
Treasurer, Theodore R. Heim
Chairman of Walker Memorial Committee,
J. Cobham Noyes
Member at Large, Richard R. Hall

Architectural Student Council

President, Frederick M. Moss
Vice-President, Clarence H. Williams
Secretary-Treasurer, Peter P. Shelby

Beaver Key Society

President, Byron E. James
Vice-President, Addison S. Ellis
Secretary, William H. Barker
Treasurer, Harry L. Moore

Walker Memorial Committee

Chairman, J. Cobham Noyes
Junior Member, Fred H. Cooper
Junior Member, Jack T. Turner

Junior Prom Committee

Chairman, Robert S. Mackay

Budget Committee

Chairman, Theodore R. Heim

Freshman Rules Committee

Chairman, Wilbur B. Huston

Dormitory Committee

Chairman, Leo Leino

Publications

Technique

General Manager, Theodore R. Heim
Managing Editor, John C. Lyon
Editor, Rolf Eliassen
Business Manager, John J. Loustaunau

The Tech

General Manager, Charles M. Thayer
Editor, Addison S. Ellis
Managing Editor, Stuart R. Fleming
Business Manager, William H. Barker

Tech Engineering News

General Manager, Clarence M. Chase, Jr.
Editor-in-Chief, Albert G. Dietz
Publication Manager, E. Harold Anderson
Business Manager, Alfred B. Berghell

Voo Doo

General Manager, James E. Harper, Jr.
Business Manager, Francis S. Chambers, Jr.
Literary Editor, Morris I. Poze

The Handbook

General Manager, Charles E. Quick
Managing Editor, Russell Hastings, Jr.
Business Manager, Kenneth N. Scott

The Benchmark

General Manager, Edmund H. Lloyd
Business Manager, Ingvald E. Madsen

Clubs

Catholic Club

President, John A. Finnerty
Vice-President, Eugene Lynch
Secretary, Leamon F. Donahue
Treasurer, Elton G. Buckley

Cleofan

President, Katherine Sarabia
Vice-President, Evelyn Killam
Secretary, Deborah Rubinstein
Treasurer, Ruth Green

Dramashop

General Manager, J. Cobham Noyes
Construction Manager, Joseph Harrington
Business Manager, Bernard M. Markstein
Art Manager, Albert G. Berndtson
Property Manager, John S. Cree

Liberal Club

President, Willem Holst, Jr.
Vice-President, Joseph Dauber
Secretary, Morris N. Green
Treasurer, Kenneth D. Moslander

Menorah Society

President, Benjamin F. Olken
Vice-President, Samuel Goldstein
Secretary, Isaac H. Schwartz
Treasurer, Morris C. Belsky

Radio Society

President, Albert E. Cullum, Jr.
Vice-President, Frank J. Bleil
Secretary-Treasurer, Larry Jacobson

Square and Compass

President, George Owen
Vice-President, Major P. H. Ottosen
Secretary, Clifford Hancock
Treasurer, Walcott Hokanson

Activities

Technology Christian Association

President, Richard R. Hall

Vice-President, Willis S. Hutchinson

Treasurer, John Streng

Members of Executive Committee,

Fred R. Henderson

Wendell C. Allen

John Lawrence

Tech Show

General Manager, William D. Corder

Director of Business, Adolph H. Feibel

Director of Production, John F. Strickler, Jr.

Combined Musical Clubs

General Manager, Eugene F. Lynch

Business Manager, Omar H. Somers

Stage Manager, John Streng

Publicity Manager, Vincent C. Frisby

Treasurer, Ralph Hayden, Jr.

Professional Societies

Combined Professional Societies

President, Norman O. Paquette
Secretary-Treasurer, Roy C. Haeusler

Aeronautical Engineering Society

President, Joseph C. French
Vice-President, E. P. Burch
Secretary, E. F. MacLaughlin
Treasurer, Edwin A. Eddy

Architectural Society

President, Frederick M. Moss
Vice-President, Clarence H. Williams
Secretary-Treasurer, Peter P. Shelby

Army Ordnance

President, Douglas Johnston
Secretary-Treasurer, Earle F. Hiscock

Civil Engineering Society

President, Charles M. Thayer
Vice-President, Stanley L. Johnson
Secretary, Henry B. Mitchell
Treasurer, Minot R. Brigham

Corporation XV

President, Charles W. Isselhardt
Secretary, Roy C. Haeusler
Treasurer, Stanwood J. Williams

Electrical Engineering Society

Chairman, John C. Gibson
Vice-Chairman, Elwood W. Schafer
Secretary, Thomas R. Smith
Treasurer, Glenn A. Lowery

Mechanical Engineering Society

Chairman, Norman O. Paquette
Vice-Chairman, Frederick W. Green
Secretary, Joseph Welch, Jr.
Treasurer, F. William New

Mining Engineering Society

President, Arthur N. Rinehimer
Vice-President, Henry J. Chapin
Secretary, John D. Rumsey
Treasurer, Robert D. Butler

Naval Architectural Society

President, Robert A. Fyfe
Vice-President, George F. Casey
Secretary, Robert Tate
Treasurer, Frederick B. Walsh

Sedgewick Biological Society

President, Henry T. Smith
Vice-President, George R. Green
Secretary, Katherine Sarabia
Treasurer, Harry W. Cummings

Society of Automotive Engineers

Chairman, Roy C. Haeusler
Secretary-Treasurer, William B. Schneider, Jr.

Honorary Societies

Baton

President, Edward N. Poor

Vice-President, Harold A. Traver

Beaver Club

President, Benjamin Sands

Dorclan

President, Bruno Werra

Vice-President, Fred W. New

Secretary-Treasurer, John Streng

Frieze and Cornice

President, Eliot L. Whitaker

Vice-President, Herbert H. Brown

Secretary-Treasurer, Donald A. MacCornack

Grogo

President, John J. Loustaunau

Secretary, John C. Lyon

Masque

President, John F. Strickler

Secretary-Treasurer, Adolph H. Feibel

Mortar and Ball

President, John A. Finnerty

Vice-President, James A. MacDonald

Secretary, Charles H. Martin

Treasurer, Carl J. Wahlstrom

Pi Delta Epsilon

President, William H. Barker

Vice-President, Rolf Eliassen

Secretary, John C. Lyon

Treasurer, Alfred B. Berghell

Nineteen Thirty-One

Quadrangle Club

President, Reginald G. Murdoch

Vice-President, S. Norton Miner

Secretary, Hoyt P. Steele

Treasurer, Frank M. Hartz

Scabbard and Blade

Captain, James J. Robson

1st Lieutenant, Joseph G. Heuer

2nd Lieutenant, George D. Freeman

1st Sergeant, Edwin B. Powell, Jr.

Stylus

President, John G. Hayes

Vice-President, Dayton H. Clewell

Secretary-Treasurer, David B. Smith

Tau Beta Pi

President, Rolf Eliassen

Vice-President, Stuart Fleming

Secretary-Treasurer, William Schofield

Tech Boat Club

Commodore, Curtis D. Cummings

Vice-Commodore, Frederick B. Walsh

Secretary-Treasurer, William A. Kirkpatrick

Walker Club

President, Robert Semple

Secretary-Treasurer, John Lawrence

Athletics

Athletic Association

President, Thomas B. Rhines
Vice-President, John M. Kimble
Secretary, Wesley H. VanBuren
Treasurer, Everett M. Sheppard

Track

Captain, John W. Jewett
Manager, Richard Fossett
Coach, Oscar L. Hedlund

Crew

Captain, John Lawrence
Manager, Clinton Backus
Coach, William Haines

Cross Country

Manager, Richard S. Morse
Coach, Oscar Hedlund

Basketball

Captain, Harry L. Johnson
Manager, John D. Rumsey
Coach, Henry B. McCarthy

Gym Team

Captain, Eric A. Ericson
Manager, Calvin H. Mohr
Coach, Hans Neudorf

Swimming Team

Captain, James E. Turner
Manager, Edward L. Wemple
Coach, R. Dean

Hockey

Captain, Thomas W. Regan
Manager, Roger P. Congdon
Coach, W. O. Stewart

Nineteen Thirty-One

Tennis

Manager, William C. Walcutt

Boxing

Manager, Charles P. Britton

Coach, Thomas R. Rawson

Fencing

Captain, Ralph Hamilton

Manager, Charles P. Woods

Coach, John Roth

Wrestling

Captain, Louis J. Vassalotti

Manager, Robert F. Shepherd

Coach, Bridson Greene

Soccer

Captain, Nicholas G. Velez

Manager, Walter R. Duncan

Coach, William R. Welch

Golf

Captain, George R. Churchill

Manager, James P. Mills

Rifle Team

Captain, John C. Lyon

Manager, Neil A. Hopkins

Women's Rifle Team

Advisor, Captain Kellogg

Coaches, Kendall Clark, John C. Lyon, Stephen

Gawlowicz, Lincoln Gifford

Manager, Isabel Ebel

Lacrosse

Captain, C. V. Hale

Coach, R. T. Sauerwein

MESSAGE TO THE FRESHMEN

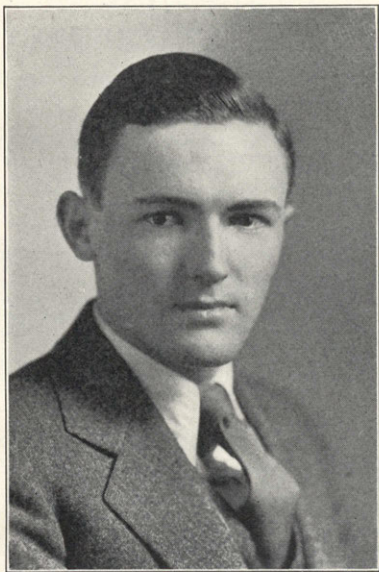
WELCOME! You, of the class of thirty-five, have before you the four most glorious years of your lives. You will face new problems—new situations. You will mold the characters which you will bear—and will meet the men with whom you will live and work throughout the rest of your lives.

In selecting Technology for your higher education you have assumed a venture and a responsibility that few young men have the ambition or the capacity to shoulder. You have pledged yourselves to four years of assiduous work—work that will demand the largest part of your time and attention, and, what is more important, your devoted interest. You will find it difficult to acquire the broader cultivation afforded by more liberal institutions and therein lies a problem with which each of you, individually, must cope.

Extra-curriculum activities at Tech, you will find, are highly developed. In other parts of THE HANDBOOK you will learn of the Undergraduate Government, of the publications, the Musical Clubs, Tech Show, and of the seventeen different Varsity and Freshman sports under the control of the student Athletic Association.

It is in the classroom that you will find academic instruction, but it is in these activities that you will make your broad and lasting friendships. You will make valuable contacts. You will work side by side with the sort of men who have given Technology its reputation. You are advised to interest yourselves in these extra-curriculum activities to whatever extent you can personally afford. Do not lose sight of the fact that first in importance come studies, but that at the same time the well-rounded undergraduate career is one which of necessity must embrace the proper amount of physical and social activity as well.

DONALD B. GILMAN
President, Class of 1932



DONALD B. GILMAN
President, Class of 1932

ACTIVITIES and ORGANIZATIONS

Committees

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.

Architectural Student Council

THE Architectural Student Council is the governing body for that portion of Technology's students whose studies take them to the old Rogers Building. It administers the rules and regulations concerning the use of the building, the use of the library, and the carrying on of the courses in design. It is the duty of this body to inquire into all reported violations of the Honor System, and, in general, to act as a mediator between the undergraduates and the Faculty in all matters.

Beaver Key Society

THE Beaver Key Society is a new organization at Technology this past year, although many other key organizations have been operating successfully for several years in many eastern colleges. The duty of such organizations is to act as official host to visiting athletic teams. The membership consists of twelve managers and athletes, eight from other activities, and six elected from the junior class at large.

In its inaugural year, the Beaver Key has been extremely successful. An information folder was prepared and sent to visiting teams, and the members of the teams were met and courteously treated during their stay at Technology. Beaver Key cooperated with the Institute and Walker Dining Service to make it convenient for teams to stay overnight in the dormitories and to have training table meals in Walker. The Society also managed several Basketball dances, which provided sufficient funds to make the Key self-supporting.

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.

Junior Prom Committee

THE management of the Junior Prom, the greatest social event of the school year, is in the hands of the members of the Junior Prom Committee. These men are elected by the Junior class, and presided over by the Class President. The Junior Prom of 1931, held on March 20th in the Main Hall of Walker Memorial Building, witnessed the transformation of the Hall into a beautiful ballroom with palms, floral decorations, and silver balloons gracing the walls and balconies, producing the atmosphere of a spacious southern garden at blossom time.

Budget Committee

THE purpose of the Budget Committee is to regulate the expenditure of the undergraduate activities which are not self-supporting, of money received through undergraduate dues, and also to keep a record of the financial condition of all the activities that are self-supporting. The committee is composed of a Chairman, who is ex-officio Treasurer of the Institute Committee, and two other members, one the Treasurer of the M.I.T.A.A. and the other chosen from the student body at large by the Institute Committee.

Freshman Rules Committee

THE administration of Freshman Rules is delegated to the Freshman Rules Committee. The Chairman is a junior appointed by the executive committee subject to the ratification of the Institute Committee.

Publications

Tech Engineering News

IN the twelve years of its growth, *Tech Engineering News*, the undergraduate engineering magazine of Technology, has gained the reputation of being the foremost publication of its kind in America. Written in part by prominent engineers and professors, and in part by students, it is edited and financed entirely by undergraduates. The articles it presents are timely, well written, and cover a wide range of interesting subjects.

The Editorial Department, headed by the Editor-in-Chief, solicits manuscript from the authors, edits it, and prepares it for publication and printing. Those students who show ability to write are given the opportunity to prepare articles, if they so desire. Valuable experience is to be gained from the contacts with prominent professional men which members of the editorial department make in this work. Training in the use of technical and non-technical English, so valuable to the engineer, is an important phase of the program of the Editorial department.

The Business department includes circulation, advertising, the treasury, and general relations with the business world. The standards of business practice maintained are modern and efficient. Office management, modern accounting practice, and contacts with important business concerns make the work of the Business Department excellent training for every member. The business organization of *T.E.N.* has been a most important factor in its stability and success.

Each fall a competition is held for positions on the staff. All those interested in *T. E. N.* are invited to visit the offices in the basement of the Walker Memorial.

Technique

THE *Technique* is the institute yearbook. It is a permanent record of undergraduate life at Technology for the year preceding its publication.

Men who come out for it have a splendid chance to become experienced in writing, business practice, engraving, and photography. Literary work done for *Technique* is accepted for Freshman theme credit by the English Department of the Institute.

The incoming Freshmen are called competitors. They do work in the department they choose to go out for, under the supervision of the Assignments Manager. Their work is judged for both quality and quantity. In April of each year competitors showing sufficient ability are elected to associate board positions.

Technique sponsors two annual campus events. The first is the *Technique* Rush, a free-for-all tempered only by traditional rules and ceremony. Twenty *Techniques* go to the victors. Everyone participates in this event which takes place on Open House Day at which time the book is distributed and the new board is announced. The second event that *Technique* sponsors is the presentation of the *Technique* award. The award, a cup, is presented to the outstanding trackman of the year.

The *Tech-Technique* football game is the annual gridiron classic between the newspaper and the yearbook. For years these friendly enemies have battled to the great enjoyment of everyone.

Freshmen will find it to their advantage to sign up early. A visit to our office in the Walker Memorial Building is all that is necessary. Do not hesitate! The door is open to you. Come in!

The Handbook

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 Prom. 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 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 might in any other activity.

Realizing the value of the work of newspaper writing, the English Department started in the fall of 1930 a course in Journalism open only to freshmen on *The Tech*. In order to take advantage of this course Freshmen are urged to come out for the paper early in the term, 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 during the first weeks of every term. A mass meeting, the date of which is to be announced on Institute bulletin boards, will be the starting point of the fall competition for those men interested.

Voo Doo

PHOSPHOROUS 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 and 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.

Activities

Tech Show

TECH SHOW is an organization which consists of some one hundred students who enjoy themselves in the perfection of a show of the revue or musical comedy nature, which annually has a Boston run during Junior Prom weekend, and also is presented out of town. Last year, "Technicalities", the Tech Show for 1931, was presented in February at Mount Holyoke College in South Hadley, Mass., and a month later had a five night run in Boston.

The actual production of the Tech Show for 1932 began at the conclusion of "Technicalities" when song and book writers commenced work. Early in the fall the actual show is chosen and immediately a call for cast and chorus is issued and work on props and scenery is begun.

Freshmen and sophomores are invited to attend the Tech Show Smoker which takes place early in the fall. Here they learn about the show and become acquainted with the present staff. All positions on the management, as well as the cast and chorus, are obtained wholly by competition and undergraduates are urged to come out for show work. The scope of the show is such that positions of all kinds are available. One may try for a place on the cast or chorus, write music or skits, design and make scenery or costumes, work in the publicity, stage or program department, or play an instrument in the Tech Show orchestra which accompanies the show. The Tech Show poster contest which is held during the latter part of the fall offers an opportunity for artists to win show tickets. Erstwhile poster printers may also find an outlet for their energies in the publicity department.

Candidates are more than welcome in whatever department they may desire to work, and should report to the Tech Show office on the third floor of Walker Memorial or soon after the beginning of school in the fall as possible.

Combined Musical Clubs

THE Combined Musical Clubs consist of the Glee, Instrumental, and Banjo Clubs. The "Tecthonians," which is a well-known dance orchestra in Boston, is also part of the organization. This will be the fortieth 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.

The management of the clubs consists of General Manager, and 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 the 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, are also very valuable.

Combined Professional Societies

Aeronautical Engineering Society
Architectural Society
Army Ordnance Association
Chemical Society
Civil Engineering Society
Corporation XV
Electrical Engineering Society
Mechanical Engineering Society
Mining Engineering Society
Naval Architectural Society
Sedgewick Biological Society
Society of Automotive Engineers

THE Executive Committee of the Combined Professional Societies was formed in 1921 "to promote general interest in Professional Societies and in their purposes, and to bring the officers of the various societies into closer contact for the exchange of ideas and co-operation on matters pertaining to the societies."

This exchange of ideas and co-operation is accomplished in regular semi-monthly meetings in which general policies applying to all the societies are outlined and all matters of interest to the societies as a group are discussed.

Although Open House Day was originated by the Combined Professional Societies, the Faculty soon took over the responsibilities for this function and has been in charge every year except the last, when the Combined Professional Societies again took the lead.

Clubs

Catholic Club

The Catholic Club was organized with the purpose in mind of bringing together the Catholic students at Technology. It is a branch of the National Federation of Catholic Clubs, and is similar to the many other Catholic Clubs which are found in most colleges throughout the country. It is a social organization, having several supper meetings during the year which are addressed by prominent men. Last year it held four dances, which proved to be very popular.

Cleofan

Cleofan is a social club including all women students at Technology. Its purpose is to help women students to become better acquainted and to provide activities. All new women students at Technology will be given a cordial welcome by Cleofan at the Margaret Cheney Room (10-300) on the third floor of the main building, will be shown the "ins and outs" of the Institute, and will be made to feel at home.

Dramashop

The Technology Dramashop is a self-supporting organization run by the students of the Institute under the direction of Professor Dean M. Fuller of the Department of English. The object of the organization is to offer opportunity to the students to learn something of the art of acting in and producing plays. All details of the productions are in the hands of the students, and the various departments of the Institute cooperate in the lighting, constructing, and designing. One play is produced each term.

Liberal Club

The M.I.T. Liberal Club, one of Tech's youngest organizations was founded in October 1928, with the purpose of presenting to engineering students, subjects of a liberal and non-scientific nature. Its aim was to enroll within its membership those students who were interested in hearing lectures on matters of contemporary interest in the fields of political education, philosophy, letters etc. and in listening to and discussing these subjects with the attitude of a true Liberal. The motto of the club, serving perhaps as a definition of a Liberal is "to be never neutral, but always impartial".

Menorah Society

The Menorah Society's primary purpose is to foster closer relationship among the Jewish students of the Institute. An invitation to join is extended to all.

Radio Society

The M.I.T. Radio Society, an organization of twenty years standing, is made up of those students at the Institute with radio as their hobby or intended profession.

The Society owns and operates amateur radio station WIMX. It has for itself a small brick building just behind the passageway connecting the track house and the hanger. The transmitters consist of an eighty meter 400 watt crystal controlled outfit, a forty meter M.O.P.A. of the same power, and a crystal controlled twenty meter radio telephone transmitter of 150 watts capacity. The receiving equipment consists of a Grebe and a National SW5. The transmitters are remotely controlled from the operator's position and may be run independent of each other or keyed together as each has its own radiating system. The power supply is of

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six kilowatt capacity with a three phase full wave rectifier consisting of six 872 mercury vapour tubes followed by a filter.

The present station is but two years old and in spite of its commercial appearance was build solely by the members. Communication has been established by WIMX with all parts of the world and a large amount of cards have been received attesting reception of its signals and confirming two-way communication. In conjunction with the R.O.T.C. Signal Corps unit, and using the call WIBMX, the station operates in the Army-Amateur Net as Alternate Net Control station for New England and as Massachusetts State Control, and in the two country wide contests held by the Army during 1931 the station won both New England first places.

As an example of the work done during the past year by the Society, on Open House Day of this year, the Society set up a booth in Building 10 where it received messages for transmission by radio. These messages were sent by teletype to the station where they were relayed on the air. In all, seven hundred messages were so handled.

Notice of the first meeting of the Society for the coming year will be posted and announced in *The Tech*. All radio-minded students are urged to attend.

Square and Compass

The Square and Compass Club is a social organization for Master Masons at Technology.

HONORARY SOCIETIES

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.

Chi Epsilon, National Honorary Civil Engineering fraternity for juniors and seniors who are scholastically in the upper third of the class.

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.

Hexalpha, 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.

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.

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Quadrangle Club, Sophomore-Freshman Society. An organization to promote closer relationships among the underclasses. Members chosen from the activity high-lights of the Freshman Class.

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.

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.

Athletics

M. I. T. A. A.

President, Thomas B. Rhines
Vice-President, John M. Kimble
Secretary, Wesley H. VanBuren
Treasurer, Everett M. Sheppard

THE M. I. T. Athletic Association consists of the captains and managers of recognized athletic teams at the Institute, together with the Publicity Managers, 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.

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Crew

Captain, John Lawrence
Manager, Clinton Backus
Coach, William 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 six 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.

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Track

Captain, John W. Jewett
Manager, Richard Fossett
Coach, Oscar 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. A prize competition lasting throughout the season is held for those making this substitution.

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. 4A. 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 Freshmen. The Varsity meets the leading Eastern colleges besides competing in the N. E. I. C. A.A., the I. C. 4A. 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. Thus everyone out for track is given the advantage of competition regardless of his ability.

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

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Cross Country

Manager, Richard S. Morse
Coach, Oscar Hedlund

CCROSS 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, Harry L. Johnson
Manager, John D. Rumsey
Coach, Henry B. 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 competent coaching staff. The Varsity meets the leading colleges of the East, while the Freshmen 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.

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Gym Team

Captain, Eric A. Ericson
Manager, Calvin H. Mohr
Coach, Hans Neudorf

GYM, 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.

Last year the Technology gym team tied with Navy for the National Intercollegiate Gymnasium championship.

Swimming

Captain, James E. Turner
Manager, Edward L. Wemple
Coach, R. Dean

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.

Hockey

Captain, Thomas W. Regan

Manager, Roger P. Congdon

Coach, W. O. Stewart

THE 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.

Tennis

Manager, William C. Walcutt

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, has matches with the leading Eastern colleges besides entering the New England Lawn Tennis Association matches, which are held at the Longwood Cricket Club each year. The freshmen meet the best college freshman 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.

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Boxing

Captain, Carl W. Orleman
Manager, Charles P. Britton
Coach, Thomas R. Rawson

BOXING, 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 Hangar 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 find boxing a real man's sport.

Fencing

Captain, Ralph Hamilton
Manager, Charles P. Woods
Coach, John Roth

FENCING 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 freshman 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, Louis J. Vassalotti
Manager, Robert F. Shepherd
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 upperclassmen 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.

Soccer

Captain, Nicholas G. Velez
Manager, Walter R. Duncan
Coach, William R. Welch

SOCCER, in its eighth 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.

Rifle Team

Captain, John C. Lyon

Manager, Neil E. Hopkins

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.

Women's Rifle Team

Advisor, Captain Kellogg

Coaches, Kendall Clark, John Lyon, Stephen Gawlowicz, Lincoln Gifford

Manager, Isabel Ebel

The team, recently organized, is sponsored by the Military Science Department and coached by members of the Varsity Rifle Team. All women students are eligible. Practice periods are held twice a week throughout the season. Matches with teams of other colleges are expected to be held next year.

Lacrosse

Captain, C. V. Hale
Manager, Robert G. Holt
Coach, R. T. Sauerwein

LACROSSE, a new sport at the Institute, was granted official recognition for the first time this year. The Varsity schedule includes the best teams in the East, while the Freshman schedule is arranged with college Freshmen and preparatory school teams.

Lacrosse is a fast and interesting game of Indian origin. There are twelve men on a team. The coach is desirous of having as large a Freshman squad as possible for future varsity material.

Coaching in handling the stick and the fundamentals of the game will be given during the fall to prepare inexperienced men for the squads when they meet in the spring.

Golf

Captain, George R. Churchill
Manager, J. P. Mills

AS 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.

Massachusetts Institute Track Records

Event	M. I. T. Record	Holder	Year Made	N. E. I. C. A. A. Record	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	1903 1915 1918 1919 1921 1927	9 4-5 s.	9.4 s.
220 with turn	22 s.	C. W. Gram	1909	22 s.	
220 yard straight	22 s.	C. W. Gram D. P. Jeppe	1909 1924	21 2-5 s.	20.6 s.
440-yard run	50 s.	D. P. Jeppe	1924	48 2-5 s.	47 2-5 s.
880-yard run	1 m. 55 s.	G. J. Leness	1925	1 m. 54 2-5 s.	1 m. 52 1-5 s.
1-mile run	4m. 24 4-5 s.	R. G. Brown	1915	4 m. 18 3-5 s.	4 m. 14 2-5 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	44 ft. 1 in.	B. Grondal	1931	47 ft. 10 1-2 in.	52 ft. 1-4 in.
Hammer throw	158 ft. 6 in.	C. G. Dandrow	1921	171 ft. 1 in.	181 ft. 6 1-2 in.
Discus throw	128 ft. 3 3-5 in.	M. Gray	1928	148 ft. 11 in.	163 ft. 7 3-8 in.
High jump	6 ft. 5-8 in.	C. E. Coon	1930	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	193 ft. 4 4-5 in.	J. R. Robertson	1931	189 ft. 10 4-5 in.	220 ft. 11 1-4 in.
Pole Vault	12 ft. 9 in.	L. M. Sanford	1925	12 ft. 8 in.	14 ft. 1-2 in.

Freshman Track Records

Event	Holder	Year Made	Record
100 yards	J. S. Weibe, '27	May 27, 1924	10 1-5 s.
220 yards	R. R. Bell, '34	April 11, 1931	22 2-5 s.
440 yards	A. D. Smith, '23	May 15, 1920	20 3-5 s.
880 yards	F. L. Plaisted, '23	May 15, 1920	2 m. 1 2-5 s.
1 mile	C. W. Hall, '34	April 25, 1931	4 m. 33 4-5 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	C. E. Coon, '33	Feb. 22, 1930	6 ft. 5-8 in.
Broad jump	W. Wrigley, '34	May 1, 1931	21 ft. 10 3-8 in.
Pole Vault	R. Jack, '28	April 20, 1925	11 ft. 2 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. A. Robertson, '32	May 24, 1929	167 ft. 3 in.

Technology Christian Association

Foreword

THE Technology Christian Association aims to be of practical service to every student at the Institute, to help every man live up to the best that is in him, and to help Technology realize her highest ideals. There is no membership fee, but every undergraduate and faculty member is given a chance to contribute at a certain time once a year. The Advisory Board maintains the secretaries and office assistants, and advises regarding the organization's policy. Active direction of the Association's affairs, however, is in the hands of the Executive Committee and Cabinet.

The T. C. A. now stands as a symbol of one of the most influential student organizations at Technology. The Cabinet consists of eighteen men. In addition, last year over one hundred and fifty volunteer workers took part in this activity. Previously the organization has been divided into departments with sub-divisions. But this year each department has its own representatives on the Cabinet.

Advisory Board

Treasurer; Leicester F. Hamilton '14, Walter Humphreys '97, Frank L. Locke '86, Rev. Sidney Lovett, William P. Ryan '18.

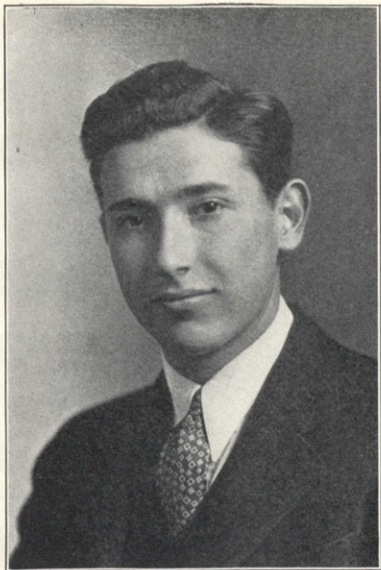
Executive Committee

SENIOR OFFICERS

President, Richard R. Hall '32
Vice-President, Willis S. Hutchinson '32
Treasurer, John Streng, '33
General Secretary, Wallace M. Ross
Employment Secretary, Pennell N. Aborn

JUNIOR OFFICERS

Religious Division, Fred R. Henderson, '32
Office Division, Wendell C. Allen, '33
Service Division, John Lawrence, '32



RICHARD R. HALL
President, Technology Christian Association

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Religious Division

FRED R. HENDERSON, *General Manager*

Deputations and Meetings

EDWARD G. A. KRATT, '34

To churches, Y. M. C. A.'s and Preparatory Schools, men are sent out during the year to talk on various subjects. During the last school year more requests for these deputations were received than ever before. It is the purpose of this division also 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.

Church Relations

W. C. SCHUMACHER, '34

The object of 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, and as men they will be connected with churches after graduating. It is most natural to desire that this relationship which fellows had and will have with churches should therefore continue while the man is here at the Institute, the Church Relations Division aims to further this relationship.

Foreign Students

PREBEN OLDENBURG '33

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 207 were in attendance from 51 different countries. It is the object of this division to serve in the capacity of "big brother" to all foreign students. Personal interviews and group get-togethers help to bring these students into closer contact with the rest of the Institute.

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Boys' Work

ARRA STEVE AVAKIAN, '33

Opportunities to man boys' clubs in settlement houses, Hi-Y's, Boy Scouts, etc., in Greater Boston are numerous, and the T.C.A. is asked to cooperate in this most important work. Each year many Tech men volunteer for this kind of work, especially men from the Freshman class. This opportunity to meet and work with boys of all kinds has proven to be of great interest to all who volunteer.

Conferences

BROR GRONDAL, G

Two general conferences are open for the student body in connection with representatives of other institutions: the Poland Spring Conference held at Poland Spring, Maine, the latter part of February and the Northfield Student Conference, held at East Northfield, Mass., right following commencement. Other smaller conferences come during the year. The objective of the department is to obtain individual development on the part of the delegates attending and to adequately represent Technology in these intercollegiate gatherings.

Office Division

WENDELL C. ALLEN, *General Manager*

Room Registry and Information

CHARLES B. BRYAN, '33

Supplementing the accommodations which the Institute provides by dormitories, are rooms which men may obtain in private homes. For the days



WALLACE M. ROSS
General Secretary

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immediately preceding and following registration day, this service will be given at the left of the lobby in Walker Memorial.

The information cards which are filled out by Freshmen and transfers, and which may be seen by activities, fraternities, etc., are in charge of this department. A time-table rack in which time-tables of about 50 different roads are kept, is also under this department's supervision.

Clippings and pictures of current interest are posted daily on the bulletin board outside the office door.

Book Exchange

ARTHUR HUNGERFORD, '33

The T.C.A. 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.

Ticket Service

HARVEY MORASH, '34

A ticket service has been maintained by the T.C.A. for the past two years. Tickets may be obtained for all theatres at box office prices, thus saving the student the trouble of going to Boston to the respective theatres for them. This is one of the fastest growing services of the organization, over thirteen hundred orders being taken last year.

Before the Christmas holidays and other school vacations, the different railroads and steamship companies send agents to the T.C.A. office to sell tickets to the students.

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Advisory Board Solicitation

JAMES R. MERRILL, '33

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 department has charge of sending out letters to the above mentioned groups.

Advisory Board Receipts

ARTHUR GREENBLATT, '33

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

Service Division

JOHN LAWRENCE, *General Manager*

Handbook

CHARLES E. QUICK '33, *General Manager*

RUSSELL HASTINGS, Jr., '34, *Managing Editor*

KENNETH N. SCOTT, '34, *Business Manager*

This is the thirty-fifth year that the Technology Christian Association has published THE HANDBOOK. This year's edition is thought to be unusually attractive. An enlarged activity directory also makes the book more valuable. THE HANDBOOK is sent to all Freshmen and transfers about September 1st, and to any upperclassmen who desire copies.

Social Work and Infirmary

GEORGE E. BEST, '34

Often various social organizations in and near Boston ask for assistance in social work, or in ob-



THE TECH CABIN

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taining entertainment for special occasions. The T.C.A. has always tried to be of service as much as possible.

Subscriptions of the popular magazines are given to the Infirmary for the students confined there. Visits to patients are made by representatives of this department.

Freshman Service

JOHN LAWRENCE, '32

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, consisting of the new men doing T. C. A. work. The annual Freshman camp is also in charge of this department.

Tech Cabin

CALVIN H. MOHR, '33

The Tech Cabin was built last year by the T.C.A. at Lake Massapoag near Lowell, where the annual Freshman Camp is held. It is used as headquarters during Freshman Camp, and during the rest of the school year it is used by various Tech organizations and students for week-end outings. It may be reserved for any group of students by applying at the T.C.A. office.

Blotter

WILLIAM E. RAND, '23

Twenty-five hundred 19x24 desk blotters are distributed every fall to the student body. Their purpose is to provide a medium for those advertisers who have something to offer the students, and also to furnish a handy calendar and telephone numbers of the Institute, activities, and fraternities. A copy of this blotter may be obtained in the T.C.A. office at the opening of the fall term.

Employment Bureau

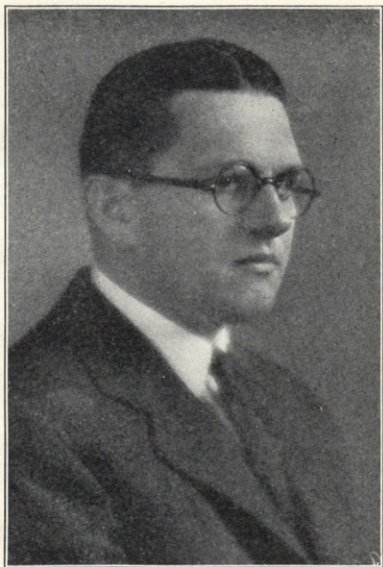
STUDENT employment at the Massachusetts Institute of Technology is directed by the Undergraduate Employment Bureau, which is a division of the Technology Christian Association. The Bureau endeavors to arouse and maintain the interest of employers, both industrial and individual, so that Technology students will be employed when part time positions are available.

The training at Technology enables students to accept opportunities which cannot be taken by students of other schools in this vicinity, and the efforts of the Bureau are constantly obtaining better possibilities. The Christmas and Mid-term Recesses and the Summer Vacation are periods in which the men can make up in some degree the lack of time during the term.

Many prospective students hope to have positions awaiting for them upon arrival in Cambridge. This is almost an impossibility, as employers will not engage a man until they have seen and talked with him, and also there are very few opportunities before school opens.

In addition it should be understood that competition for available positions is very keen among the students of the many educational institutions in this locality. This causes less demand upon any one school, lower wages, and increased difficulty for the job seeker. The lack of time outside of school hours is another handicap, especially for first-year men and those who must earn a large share of their expenses.

The work of the first term is an important foundation for the rest of the curriculum and prospective students *are advised to have sufficient funds to cover at least the expenses of the first school year.* If parents can possibly pay the expenses, the student should not be required to earn his way, for self-support is a handicap, and if unnecessary, may deprive some really needy student of his livelihood.



PENNEL N. ABORN
Employment Secretary

Tech-in-Turkey

IN the fall of 1928, after a thorough investigation of six months, the Technology Christian Association decided to go in on a foreign work project as have many other colleges. Robert College, Istanbul (formerly Constantinople) was selected as the place. The college has an engineering department and only English is spoken in the classroom which facilitates Technology's particular interest there. The representative serves as an instructor in the Physics department. The yearly budget for this project amounts to \$1200.00 which transports the man over and back and pays his salary of \$600.00. Board, room and laundry are furnished by the college.

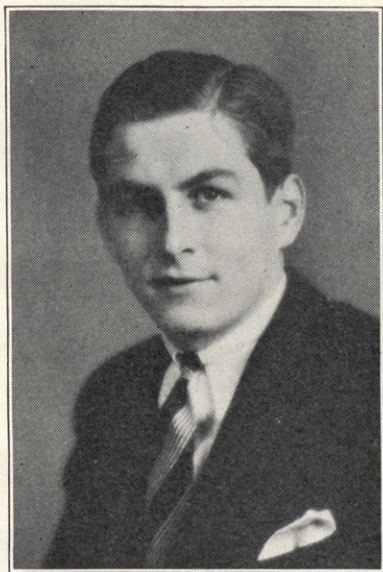
Judson T. Biehle, '27, was the first representative and he remained two years. Last year Fred N. Dickerman, '30, served as the representative, and this summer Louis S. Morse, Jr. '31, Vice-President of the T.C.A. this last year, went over. The representatives write back approximately every week and some of these letters appear in *The Tech* thereby informing the undergraduate body concerning the actual work done by the representative. Through the courtesy of *The Tech*, *Tech Engineering News*, *Voo Doo*, *Technique* and *The Technology Review*, Robert College receives copies of these publications free of charge, which give the students over there a very definite idea of happenings here.

The benefits of the Tech-in-Turkey project are mainly fourfold: (1) Benefit to the college and the student body by the presence of our representative—financial, teaching and informal association with the students—(2) The real development obtained by the representative being in another part of the world for a year, (3) The planting, figuratively speaking, of Tech's banner in another country, and (4) the laying of foundations, small though they may be, which might make for better understanding, good will and world peace.

From official reports sent by the President of Robert College and others, as well as the enthusiasm of the representatives themselves, comes the distinct reaction that the Tech-in-Turkey project is well worth while and that Technology students are yearly making possible a proposition which means much to students in Robert College and to Technology.

The M.I.T. Student House

AS the result of the interest of an anonymous donor a house at 159 Bay State Road, Boston, has been made possible for twenty students. The donor has paid the rental of this house and furnished the same. Direct control of the house is in the hands of the Advisory Board of the Technology Christian Association and the student executive committee of the house. Men desiring to be candidates for admission will apply to Mr. Pennell N. Aborn at the T.C.A. office or the Executive Committee of the house for application blank and constitution. A hostess is selected by the Advisory Board and she assists the Executive Committee in running the house. The house is decidedly a cooperative effort, the occupants doing the work. This work averages about forty minutes a day and permits men rooming and boarding there to live at a much reduced rate.



LOUIS S. MORSE, JR.
Tech-in-Turkey Representative

Freshmen and Fraternities

A FRESHMAN entering Technology has three general possibilities open to him in the matter of living quarters: the dormitories, the many rooming or apartment houses, and the fraternities. Since so many of the entering class are unfamiliar with the fraternity situation we feel that a word of introduction may be helpful.

In all there are about six hundred and fifty undergraduates distributed among the twenty-nine fraternities which own houses. Among the twenty-nine, almost every type of fraternity is represented. There are nationals and locals, small ones and fairly large ones, fraternities which have religious requirements and fraternities which do not, and in fact every variation in type that is common at all colleges. Most of the twenty-nine houses are in Boston, although there are a few in Brookline and Cambridge.

Although the fraternities differ from each other in many respects, there are a few distinctive features which are common to all of them. In the first place, they are primarily serious organizations whose purpose is to provide pleasant and stimulating conditions for working. The founders of these fraternities recognized the social need which existed at Tech, but they instilled into their groups the principle that social life should be only a supplement to education. It has followed, therefore, that the fraternity upperclassmen encourage and supervise, to a certain extent, both the studies and activities of the freshman members, and every effort is made to maintain scholarship.

No discussion of the fraternity situation would ever be complete without a word about the "rushing" system, which is the name for the method by which new members are selected. It seems peculiar to outsiders that this "rushing" is done before school opens but there is so little spare time once classes have started that each fraternity tries to get its

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quota of freshmen as soon as possible. Each group makes an organized search for likely candidates, and since so much must be accomplished in a short time, the freshmen are sure to be startled by the abruptness of the whole procedure. Freshmen are often stopped in the halls by fraternity men, whom they have never seen before, and invited to the fraternity houses. It is naturally difficult for some of them to appreciate the meaning of the golf, dinner and theatre invitations that they receive, but there is, however, a real reason for them. It is necessary that the rushee be entertained and at his ease; otherwise it is impossible for the necessary friendship and confidence to be developed. The recipients of these invitations should feel somewhat complimented on being selected for consideration. Invitations to join are given personally after unanimous approval by the fraternity members. Some fraternities will demand an immediate answer, but the freshman should receive such an invitation with suspicion, especially if he has seen no other houses. He should also regard with suspicion any remarks made by members of one fraternity concerning another. His opinion of a fraternity should be based solely on what he has seen of it himself. The most important thing is the matter of friendships, for a fraternity man's intimate friends are very likely to be limited to his fraternity brothers. His social life centers about fraternity activities, and should be a source of endless pleasure. The life at the Institute is such that general social activities are painfully limited, and a man's fraternity, therefore, fills a great gap in his college life.

Freshmen interested in joining a fraternity should realize that they must look at fraternities even more thoroughly than the fraternities look at them. Before any man accepts an invitation to join he should meet every active member of the fraternity; some fraternities may attempt to influence a rushee by presenting a few of the outstanding men. Often a rushee will be entertained by seniors exclusively, but if he is wise he will remember that

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juniors and sophomores are his potential friends. In looking at any fraternity the freshman has a right to know the aims and policies of the group. Many freshmen go wrong because of previous opinions based upon the reputation of another chapter of a particular fraternity. The local chapter is the more important consideration because it contains the men with whom the man will live for four years. A national reputation gives little satisfaction to a man who is in the wrong local chapter. The various fraternities have individual characteristics which should be recognized by the freshmen, who should select a group in which he will be congenial.

There are some material considerations which are of importance in selecting a four-year home. Most important of these are convenient location, comfortable living quarters, and good meals.

Sometimes men who want to join fraternities are not invited to join at first. If these men really want to join one, they will be able to do so. The important thing is for them to get into activities and win some recognition there, and then the fraternities will take notice.

FRATERNITIES

Alpha Kappa Pi (AKΠ). 136 Thorndike St., Brookline. Founded 1921 at Newark College of Engineering. Kappa Chapter. Established 1929. 11 chapters. Charles E. Northam, President. Regent 1879.

Alpha Tau Omega (ATΩ). 37 Bay State Road, Boston. Founded 1865 at Virginia Military Institute. Beta Gamma chapter. Established 1895. 91 chapters. James J. Robson, President. Commonwealth 8029.

Beta Theta Pi (BΘΠ). 241 Kent Street, Brookline. Founded 1839 at Miami University. Beta Upsilon chapter. Established 1913. 86 chapters. Alfred A. Mulliken, Jr., President. Regent 7710.

Chi Phi (XΦ). 22 The Fenway, Boston. Founded 1824 at Princeton University. Beta chapter. Established 1890. 30 chapters. D. M. Fleming, President. Kenmore 4187.

Delta Kappa Epsilon (ΔKE). 403 Memorial Drive, Cambridge. Founded 1844 at Yale University. Sigma Tau chapter. 46 chapters. University 8150.

Delta Psi (ΔΨ). Number Six Club. 428 Memorial Drive, Cambridge. Founded 1847 at Columbia University. Tau Chapter. Established 1899. 9 chapters. Philip W. Bourne, President. University 5667.

Delta Tau Delta (ΔTΔ). 255 St. Paul Street, Brookline. Founded 1859 at Bethany College. Beta Nu chapter. Established 1899. 74 chapters. Robert B. Semple, President. Regent 8172.

Delta Upsilon (ΔΥ). 526 Beacon Street, Boston. Founded 1834 at Williams. Technology Chapter. Established 1891. 54 chapters. Commonwealth 8124. A. Gardner Dean, President.

Kappa Sigma (KΣ). 33 Bay State Road, Boston. Founded 1869 at University of Virginia. Gamma Pi chapter. Established 1914. 108 chapters. Edwin C. Beck, President. Commonwealth 8501 or 9401.

Lambda Chi Alpha (ΛΧΑ). 441 Beacon Street, Boston. Founded 1909 at Boston University.

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Lambda Zeta Chapter. Established 1912. 80 chapters. William H. Barker, President. Commonwealth 9102.

Phi Beta Delta ($\Phi\beta\Delta$). 523 Newbury St., Boston. Founded 1912 at Columbia University. Theta Chapter. Established 1920. 32 chapters. Maurice W. Cook, President. Commonwealth 7775.

Phi Beta Epsilon ($\Phi\beta\epsilon$). 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 1899. 72 chapters. Commonwealth 8048.

Phi Kappa ($\Phi\kappa$). 278 Commonwealth Avenue, Boston. Founded 1889 at Brown University. Eta chapter. Established 1918. 23 chapters. Edward F. Moran Jr., President. Commonwealth 8468.

Phi Kappa Sigma ($\Phi\kappa\Sigma$). 530 Beacon Street, Boston. Founded 1850 at University of Pennsylvania. Alpha Mu chapter. Established 1903. 38 chapters. John M. Kimble, Jr., President. Commonwealth 8630 or 9530.

Phi Lambda Alpha ($\Phi\Lambda\alpha$). 471 Beacon St., Boston. Founded 1921 at New York. Beta chapter. Established 1921. 5 chapters. Alberto Ferrer, President. Commonwealth 8774.

Phi Mu Delta ($\Phi\mu\Delta$). 330 Bay State Road, Boston. Founded 1918 at University of New Hampshire. Nu Delta chapter. Established 1922. 14 chapters. Joseph E. Carbonell, President. Regent 6784.

Phi Sigma Kappa ($\Phi\Sigma\kappa$). 487 Commonwealth Avenue, Boston. Founded 1873 at Massachusetts Agricultural College. Omicron chapter. Established 1902. 51 chapters. Howard A. Kinger, President. Commonwealth 8093.

Psi Delta ($\Psi\Delta$). 326 Bay State Road, Boston. Founded 1922 at Technology. Local chapter. Clarence W. Farr, President. Aspinwall 9852.

Sigma Alpha Epsilon ($\Sigma\alpha\epsilon$). 484 Beacon Street, Boston. Founded 1856 at University of

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Alabama. Mass. Iota chapter. Established 1892. 103 chapters. Frederick W. Green, President. Commonwealth 7762 or 8065.

Sigma Alpha Mu (ΣAM). 338 Bay State Road, Boston. Founded 1909 at College of the City of New York. Xi chapter. Established 1917. 35 chapters. Morris I. Poze, President. Regent 3833.

Sigma Chi (ΣX). 532 Beacon Street, Boston. Founded 1855 at Miami University. Alpha Theta chapter. Established 1882. 88 chapters. Commonwealth 8095.

Sigma Nu (ΣN). 259 St. Paul Street, Brookline. Founded 1869 at Virginia Military Institute. Epsilon Theta chapter. Established 1922. 95 chapters. J. Cecil Rowe, President. Regent 4475.

Sigma Omega Psi ($\Sigma\Omega\Psi$). 18 Winslow Road, Boston. Founded 1910 at the College of the City of New York. Xi chapter. Established 1922. 19 chapters. David G. Rabinow, President. Regent 2692.

Tau Delta Phi ($\text{T}\Delta\Phi$). 38 The Fenway, Boston. Founded 1910 at College of the City of New York. Eta chapter. Established 1920. 18 chapters. Hyman Friedman, President. Commonwealth 7551.

Tau Epsilon Phi ($\text{T}\epsilon\Phi$). 158 Naples Road, Brookline. Founded 1910 at Columbia University. Xi chapter. Established 1910. 32 chapters. Alfred W. Halper, President. Regent 6793.

Theta Chi (ΘX). 528 Beacon Street, Boston. Founded 1856 at Norwich University. Beta Chapter. Established 1902. 45 chapters. E. Allen Newcomb, President. Kenmore 3249.

Theta Delta Chi ($\Theta\Delta\text{X}$). 314 Memorial Drive, Cambridge. Founded 1847 at Union College. Theta Deuteron chapter. Established 1900. 30 chapters. Donald Henderson, President. University 6358.

Theta Xi ($\Theta\Xi$). 66 Bay State Road, Boston. Founded 1864 at Rensselaer Polytechnic Institute. Delta Chapter. Established 1885. 31 chapters. Frederic I. Miner, President. Commonwealth 8614.

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NEWPORT

PALM BEACH

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 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 the facts and 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 written ballot within fourteen days but not earlier than seven days, after the issue of such a call.

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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
- Tech 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.

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ARTICLE IV

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

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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. The Executive Committee shall hold two special meetings each year, one in the spring and one in the fall, for the purpose of regulating the extra-curricula calendar.

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.

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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 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 2, 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

JOIN TECHNOLOGY BRANCH FIRST

BUY AT YOUR STORE AND
GET YOUR DIVIDEND

TO get the best results every Tech man should become a member of the "COOP" before he begins to buy any of his supplies. It costs one dollar to join for one college year. You get a membership ticket with a number. Tell the salesman your number every time you buy anything that costs 25c or more at Technology Branch, the Barber Shop, or the Harvard Square Store. The total credited to your number on June 30th is the amount on which your dividend is paid. The profits are divided among the customers who join.

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
Harvard Cooperative Society
76 Massachusetts Avenue

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“COMPLETE SERVICE”

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Calumet Club
Catholic Club
Chess Club
Chinese Students' Club
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
Woopgaroo

Section 3. Any organization of a temporary character wishing to appear in public as an M. I. T. undergraduate organization may be granted this privilege for a period of one month by a two-thirds vote of the Institute Committee provided a constitution is submitted to the Institute Committee.

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 sections "a", "b", and "c" shall be submitted

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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:

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

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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.

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

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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 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

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M. I. T. Post Army Ordnance Association
Photographic Society
Pi Epsilon
Sedgwick Biological Society
Dorclan

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.

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

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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.

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 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

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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).....

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. Nomination 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.

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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 not later than the 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 Election 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.

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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 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

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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 someone 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.

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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.

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.

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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.

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 by this Committee at every meeting of the Institute Committee.

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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.

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:

	<i>Classes</i>			
	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

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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
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
<i>The Tech</i>	
General Manager	10
Editor-in-Chief	9
Managing Editor	9
Business Manager	9
Business Service Editor	8
News Editor	8
Sports Editor	8
Features Editor	8
Advertising Manager	8
Circulation Manager	8
Make-up Editor	8
Night Editors	7
Editorial Board	6
Assistants to Members of Associate Board	7
Staff Members	5
Candidates	2
<i>Technique</i>	
General Manager	10
Managing Editor	9
Business Manager	9
Literary Editor	8

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Art Editor	8
Features Editor	8
Informals Editor	8
Department Editor	8
Advertising Manager	8
Treasurer	8
Publicity Manager	8
Photographic Manager	8
Staff	6
Candidates	4
<i>Voo Doo</i>	
General Manager	10
Managing Editor	9
Business Manager	8
Treasurer	8
Art Editor	8
Literary Editor	8
Advertising Manager	8
Circulation Manager	8
Publicity Manager	8
Associate Editors	6
Assistant Editors	5
Business Associates	6
Candidates	4
<i>Tech Engineering News</i>	
General Manager	10
Business Manager	9
Editor-in-Chief	9
Advertising Manager	7
Managing Editor	7
Publicity Manager	7
Circulation Manager	7
Treasurer	7
Personnel Manager	7
Associate Editor	7
Assistants	4
Business and Editorial Staff	3
All Candidates	3
<i>Tech Show</i>	
General Manager	10
Director of Production	9
Director of Business	9

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Treasurer	9
Stage Manager	9
Company Manager	9
Orchestra Manager	9
Publicity Manager	9
Sophomore Assistant Manager	5
Principal cast	6
Minor Cast, Members of Chorus, Ballet, Orchestra	4
<i>Musical Clubs</i>	
General Manager	10
Personnel Manager	8
Business Manager	7
Treasurer	7
Publicity Manager	7
Stage Manager	7
Sophomore Assistant Managers	5
Freshman Assistant Managers	3
Leaders	7
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

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<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
<i>Senior Ring Committee</i>	
Chairman	3
Secretary	2
<i>Professional Societies</i>	
President	5
Vice-President	2
Secretary	2
Treasurer	2
Members of Governing Board, Directors, etc.	1
<i>Combined Professional Society Executive Committee</i>	
Chairman	3
Vice-Chairman	2
Secretary	1
Treasurer	1
Members	1
Representatives on Institute Committee	1
<i>Clubs and Societies</i>	
President	3
Vice-President	1
Secretary	1
Treasurer	1
<i>Architects' Student Government</i>	
President	5
Class Representatives	2
Secretary	1
Treasurer	1

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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 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

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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.

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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.

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.

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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.

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 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 com-

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mittees 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 moneys 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 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.

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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 deposed 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 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, except athletic

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events, 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."

Student Curriculum Committee

ARTICLE I

The name of the Committee shall be the Student Curriculum Committee.

ARTICLE II

This Committee shall consist of a Chairman who already is a member of the Institute Committee, and at least four associates who shall be chosen by the Executive Committee. No two members of this Committee shall be taking the same Course.

ARTICLE III

This Committee shall work with a special Committee of the Faculty appointed annually by the President for the consideration of constructive criticism on methods of instruction in individual subjects or courses as may be presented from time to time, and for the general promotion of cooperative relations between students and instructing staff.

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AT THE

Walker Memorial Game Rooms

Bowling, Billiards

Cigarettes, Cigars

Candy, Ice Cream

Basement, Walker Memorial

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Sun. 13

Mon. 14

Tues. 15

Wed. 16

Thurs. 17

Fri. 18

Sat. 19

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Sun. 20

Mon. 21

Tues. 22

Wed. 23

Thurs. 24

Fri. 25

Sat. 26

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Sun. 27

Mon. 28

Tues. 29

Wed. 30

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Thurs. 1

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**S. LAWRENCE JOHNSON
Executive Sec'y of the Student Group**

SUNDAY

- 11.00 A.M. Worship service with sermon
- 10.00 A.M. Young People's Division
 of the Church School
- 5.15 P.M. Student Group
 Supper served at 25 cents
 each.
- 6.30 P.M. Student Group Discussion
 Meeting
- 7.30 P.M. Worship service with sermon

WEDNESDAY

- 8.00 P.M. Worship service with sermon.

Students are cordially welcome at all services and are especially invited to the Social Hour and Discussion Meeting beginning at 5.15 P.M. on Sundays.

Nineteen Thirty-One

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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.

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

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

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STUDENTS

SUNDAY

Masses at 6, 7, 8, 9, 10, 11 A.M.
Holy Hour 4.30 P.M.

HOLY DAYS

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

WEEK DAYS

Masses at 7 and 8 o'clock

Nineteen Thirty-One

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Scientist**

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Sunday Services: 10.45 A.M.
and 7:30 P.M.

Wednesday Evening Meeting, 7.30 P.M.

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12.00 Noon. EPWORTH CLASS for students, taught by Richard M. Cameron, Teaching Fellow, Department of History, School of Theology, B. U.

7.30 p.m. WESLEY FOUNDATION SERVICE, in charge of the Student Council of Twenty-One. A free presentation of practical religious subjects by speakers of recognized reputation, followed by social half hour.

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The minister and his assistants wish to render every possible personal service through friendly consultation.

Nineteen Thirty-One

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11.00 a.m. and 7.30 p.m. Public Worship.

8:00 p.m. Students' Club:

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Rev. William E. Gardner

Rev. Otis R. Rice

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SUNDAY

- 8.00 a.m. Holy Communion.
11.00 a.m. Morning Prayer and
Sermon.
4.00 p.m. Service of Meditation.
5.30 p.m. Young People's Fellow-
ship and Discussion Groups.
7.30 p.m. Evening Service.

Holy Communion is celebrated the first Sunday of each month at 11 a.m., every Wednesday and Saint's Day at 12.10.

The Church is liberal and progressive and welcomes to its fellowship all thinking students. You are invited to make it your Church Home while in Boston.

Nineteen Thirty-One

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Sunday Services—Holy Communion,
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Morning Prayer and Sermon, 11.00.

Evening Prayer and Sermon, 7.30.

St. Mary
of the
Annunciation

(*CATHOLIC*)

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Catholic Students*

SUNDAY

Masses: 6:00, 7:30, 9:00, 10:30,
11:30.

Upper Church and Crypt

HOLY DAYS

Masses: 5:30, 6:30, 7:30, 8:30,
9:30.

WEEK DAYS

Masses: 6:00 and 7:30.

Nineteen Thirty-One

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8.00 and 10.15 a.m. The Holy Communion
11.00 a.m. Morning Service and Sermon
4.00 p.m. Musical Service and Sermon
6.30 p.m. Emmanuel Club for Students.

FRIDAY

8.00 p.m. Emmanuel Social Club for Students.

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Street No.

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City

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	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	
9-10	-----	-----	-----	-----	-----	-----	Subj. No. Room
10-11	-----	-----	-----	-----	-----	-----	Subj. No. Room
11-12	-----	-----	-----	-----	-----	-----	Subj. No. Room
12-1	-----	-----	-----	-----	-----	-----	Subj. No. Room
1-2	-----	-----	-----	-----	-----	-----	Subj. No. Room
2-3	-----	-----	-----	-----	-----	-----	Subj. No. Room
3-4	-----	-----	-----	-----	-----	-----	Subj. No. Room
4-5	-----	-----	-----	-----	-----	-----	Subj. No. Room

CLASS SCHEDULE CARD

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	
9-10							Subj. No. Room
10-11							Subj. No. Room
11-12							Subj. No. Room
12-1							Subj. No. Room
1-2							Subj. No. Room
2-3							Subj. No. Room
3-4							Subj. No. Room
4-5							Subj. No. Room

The Handbook

CALENDAR *for* ACADEMIC YEAR 1931-1932

1931

Entrance Examinations at Technology Begin	Sept. 16
College Year Begins (Registration Day)	Sept. 28
Columbus Day (Holiday)	Oct. 12
Armistice Day (Holiday)	Nov. 11
Thanksgiving Day (Holiday)	Nov. 26
Christmas Vacation	Dec. 23-Jan. 3

1932

Last Exercises, First Term	Jan. 23
Midyear Examination Period	Jan. 25-Feb. 6
Second Term Begins (Registration Day)	Feb. 8
Washington's Birthday (Holiday)	Feb. 22
Spring Recess	April 16-20
Last Exercise, Second Term	May 25
Annual Examinations Begin	May 27
Memorial Day (Holiday)	May 30
Commencement Day	June 7
Summer Session 1932 Begins	June 6

Nineteen Thirty-One



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