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THE
HANDBOOK

Vol. XXIX

THE MASSACHUSETTS
INSTITUTE OF
TECHNOLOGY



"Mens et Manus"

THE HANDBOOK

Vol. XXIX

JOHN B. TOY

General Manager

JOHN R. COOK

Editor

EDWARD KUHN

Advertising

This book is presented by:

THE
TECHNOLOGY CHRISTIAN
ASSOCIATION

INDEX

President's Message	7
Dean's Message	9
History	11
Technology	19
Historical Boston	23
Advice	29
The All-Tech Smoker	32
Freshman Rules	33
Freshman Camp	35
To Students from Foreign Countries ..	36
Field Day	37
Tech Songs	41
Directory	47
Class Officers	47
Committees	48
Publications	49
Clubs	50
Activities	51
Professional Societies	52
Athletics	55

CALENDAR 1935-1936

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8	9	10	11	12	13	14
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DR. KARL T. COMPTON
President of the Institute

OFFICE OF THE PRESIDENT

Class of 1939:

As the seventieth class to enter this Institute, you will have the interest, the welcome and the support of all who have preceded you. You will have the responsibility of maintaining the reputation which they have made for the Institute. You will have the use of greater facilities in equipment and well trained teachers than any of your predecessors. You are entering the Institute in a highly competitive period, a period in which there are more applicants for positions than there are positions available. At such a time it is more than ever important for every man to secure the best possible training for his life's work. We assume that you are here for this end and you will find that the whole purpose and spirit of the Institute is to help you.

The Technology Christian Association has had a great influence in developing personal relationships and in providing opportunities of all sorts for the better enjoyment and profitable use of the extra-curricula time of our students. You will find in this Association many opportunities for mutually helpful contacts. It deserves your interest and support.

Karl T. Compton

President

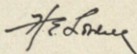


HAROLD E. LOBDELL
Dean of Students

OFFICE OF THE DEAN OF STUDENTS

The following pages convey the genuine welcome that the Institute extends to the Class of 1939. 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.



Dean of Students



Assistant Dean

OFFICE OF THE DEAN OF STUDENTS



THOMAS P. PITRE
Assistant Dean

HISTORY

ALTHOUGH the Massachusetts Institute of Technology was officially established when the Commonwealth of Massachusetts granted a charter for the new "polytechnic school" in 1861, it had begun to take form some 20 years before, when William Barton Rogers, the founder and first president, started his plans for the Institute. The Civil War came soon after the charter was granted, and it was not until February, 1865 that the first class, a small group of earnest students, met in the Mercantile Building on Summer street, Boston, to begin their studies.

A descendant of brilliant Irish stock Rogers for many years was professor of natural philosophy at the College of William and Mary, and later at the University of Virginia, during the period when traditional modes of classical education went almost unchallenged. As early as 1846, Professor Rogers recognized the definite need for an institution where students not only might learn the fundamentals of science and engineering, but extend research, invention, and industry through the study of "all the principles of physical truth." Toward that end, first as proponent, then as founder and president of the Massachusetts Institute of Technology, he labored until his death.

Perhaps Rogers' greatest contribution to scientific education, aside from the actual establishment of the Institute, was his introduction in America of the laboratory system of instruction. The Rogers Laboratory of Physics at Technology, named in his honor in 1872, was the first of its kind in the world.

In 1868, the Institute moved to the Rogers Building on Boylston Street in Boston, now devoted to Technology's School of Architecture. Here the entire Institute carried on for a period of 18 years.

Ill health forced President Rogers to resign in 1870, and Dr. John D. Runkle undertook the duties of acting president, which office he occupied during eight years of desperate struggle to secure funds and students. Following Dr. Runkle's resignation, Dr. Rogers again assumed the presidency, and during the next two years, with the aid of friends, he succeeded in raising funds sufficient for the continuance of the Institute. He died soon afterwards as he stood on the platform of Huntington Hall addressing the graduating class of 1882. 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 Francis Amasa Walker, Technology's next president, was a pioneer in the field of economics and statistics, and a master of scientific method. A soldier, he

rendered distinguished service with the Union Army during the Civil War. For eight years he was professor of history and political economy at Yale University, and at the time of his appointment to the presidency of the Institute was United States Superintendent of the Census. Under his able leadership, the struggling technical school grew to be a great scientific institution of 1200 students.

Following President Walker's death in 1897, Professor James M. Crafts served as administrative head until 1900, when he was succeeded by Dr. Henry S. Pritchett, former director of the United States Coast and Geodetic Survey. During his presidency of seven years, the athletic and social life of undergraduates was greatly enhanced, and the establishment of graduate courses led to increased opportunities for research.

A proposal for the affiliation of Technology and Harvard University was carefully considered in 1905 and again in 1908, when the donation of the McKay fund to establish a technical school at Harvard raised the suggestion that it 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, and the two institutions were left to develop independently.

For two years following Dr. Pritchett's resignation in 1907, Dr. Arthur A. Noyes '86, founder and Director of the Laboratories of Physical Chemistry, served as acting president.

With the inauguration in 1909 of Professor Richard C. MacLaurin, of the department of physics at Columbia University, Technology entered a new era. By this time the school had outgrown its quarters in Back Bay, Boston. Its courses had increased in number from six to 15; the instructing staff from 10 to 300; its student body from 15 to 1500. It was Dr. MacLaurin's role to raise the funds necessary for a new Technology, and less than five years from the day he took office, the first buildings on the present site along the Charles River Basin were under construction. This vast project was made possible by the generosity of the late George Eastman, who for many years was known only as the mysterious benefactor, "Mr. Smith", and whose gifts to the Institute totalled nearly \$20,000,000.

With magnificent and symbolic ceremony, the greater Technology was dedicated in June, 1916. The American flag was lowered from the staff of Rogers Building, where it had flown for 50 years, as the building made its final appearance as the center of Technology life. On the following evening, a great barge, "Bucentaur", bore the seal of the Institute across the Charles River to its new home. Searchlight rays playing on the ship from the roof of Rogers were crossed by rays from the Institute dome, and as the light from the old building faded gradually away, the future destiny of the Institute became embodied in the new buildings.

During the World War, President MacLaurin offered to the government the facilities of every Institute laboratory and the services of its staff. Special courses in naval architecture, military aeronautics, and radio engineering were established, as well as a school for deck officers, a cadet school for ensigns, a school for merchant marine officers, and a naval aviation detachment.

In 1919, in order that the Institute's future development might be without financial handicap, President MacLaurin undertook to raise an endowment fund, but, worn out by this successful struggle, he died in January, 1920. To him, more than to any other one man, the world owes the new Institute.

The affairs of the school were then placed in the hands of an Administrative Committee, headed by Professor H. P. Talbot '85, of the department of chemistry, and Dr. Elihu Thomson, life member of the corporation, was elected acting president. In 1921, Dr. Ernest Fox Nichols, former president of Dartmouth College, was elected president of Technology, but was forced by ill health to resign the post without assuming its duties. Again the Administrative Committee, with Dean Talbot as its chairman, took charge.

With the inauguration in June, 1923, of Dr. Samuel W. Stratton, founder and for many years Director of the United States Bureau of Standards in Washington, the

new Institute continued to advance. Twenty-two years spent in supervising the government's foremost research organization had given Dr. Stratton an intimate knowledge of the demands made by industry on graduates of technical schools. Under his guidance, the physical equipment of the Institute's plant was expanded. New laboratories and an infirmary were built, and the addition of two dormitory groups tripled the original capacity. The dormitory units now accommodate over 600 students. During Dr. Stratton's administration, the great Technology Loan Fund of \$4,000,000 was launched for the purpose of aiding worthy students to finance their education at Technology.

In March, 1930, President Stratton resigned to become chairman of the corporation, and Dr. Karl T. Compton, chairman of the department of physics at Princeton, was elected to succeed him. This dual leadership came to an end in October, 1931, with the sudden death of Dr. Stratton.

Under Dr. Compton's leadership, the Institute has already made notable advances. In March, 1932, announcement was made of the subdivision of Technology into the School of Science, the School of Engineering, the School of Architecture, the Division of Humanities, and the Division of Industrial Cooperation. Dr. Vannevar Bush '16, of the department of electrical engineering, was elected Vice-President and Dean of Engineering, while Dr. Samuel C. Prescott '94, head of the department of

biology and public health, became Dean of Science. Professor William Emerson, head of the department of architecture, was made Dean of Architecture. For the first time in the history of the Institute, explicit recognition was made of the Graduate School, of which Dr. Harry M. Goodwin '90 became Dean.

The deans of these four schools, together with H. E. Lobdell '17, Dean of Students, Treas. H. S. Ford, the chairman of the Faculty, the director of the Division of Industrial Cooperation, and the president of the Alumni Association, constitute the Administrative Council under the chairmanship of President Compton.

With the dedication in May, 1933 of the new George Eastman Research Laboratories, the Institute assumed a new leadership in advanced training and fundamental research in physics and chemistry.





THE DOME

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 Charles River Basin and also the cornerstone 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 George K. Eastman Building is the newest at Technology, completed during the summer of 1932. This building is expressly for the departments of chemistry and physics, and contains the best of equipment. The Spectroscopy Laboratory adjacent to it, houses the most modern apparatus for research in that field.

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 filing rooms 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 cannot be found.

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

The 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, 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.

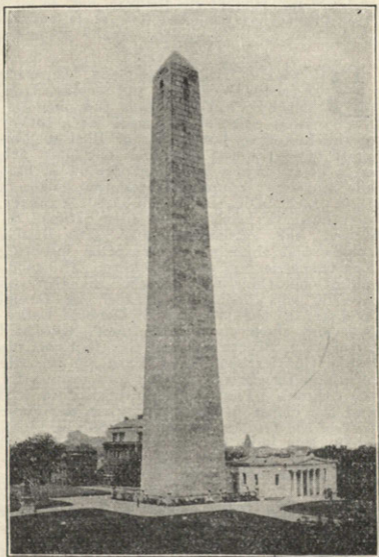
There are two athletic fields at Tech and there are tennis courts adjoining each of the fields. Provision is made for nearly every recreation with the exception of golf and there are many fine courses within a few minutes of Technology.

HISTORICAL BOSTON

By PAUL C. EATON, '27

BUNKER Hill Monument, towering into the local fog and smoke, from nearby Charlestown is the most obvious point of departure for a survey of the historical landmarks of Boston. This shaft from the top of which one may get, on a clear day, a grand panorama of harbor and city, commemorates the battle of June 17th, 1775 in which 1200 Yankees, sustaining a loss of 449 men, twice repulsed the onslaughts of 3,000 British troops and then withdrew, after inflicting 1054 casualties on the attackers. The monument on the hill known in 1775 as Breed's was dedicated in 1827 by Daniel Webster in the presence of General Lafayette and those "venerable men" who still survived. Practically at the foot of the hill is Charlestown Navy Yard, on the site of which the British landed and formed for the attacks. The yard, established in 1800 and the oldest in the country, is the home port of the famous frigate **CONSTITUTION** which was built in 1779 at Hart's shipyard across the mouth of the Charles, and rebuilt in the old Navy drydock in 1930.

On Copp's Hill, across in Boston, and just above North End Park which faces the Navy Yard, is the Old North Church, located in an Italianate neighborhood



BUNKER HILL MONUMENT

which was, in colonial times, the most aristocratic district in the city. From the belfry of the Old North, Paul Revere saw the lanterns which started him off "to ride and spread the alarm through every Middlesex village and farm". The Copp's Hill Burying Ground contains the graves of Increase, Cotton and Samuel Mather, Puritan divines and leaders in the Colony. Paul Revere's house is still standing, just off Prince Street, in a region now famous for wine.

Faneuil Hall (1762-3), the Cradle of Liberty, is a block or two west of Revere's house and not far from the Old State House (1748) at the head of State Street. Passing from the former to the latter, one may see set in the sidewalk an arrow which points out the place of the Boston Massacre of March 5, 1770, when an hysterical British officer ordered his men to fire into an equally hysterical mob. The Customs House Tower, which shadows State Street, is built above the old building in which Hawthorne, the novelist, and Bancroft, the historian, served as government employes. Since the land belongs to the federal government, the height of the tower, 450 feet, was not restricted by the ordinances which have kept other buildings lower.

The Old South Church (1730-32) on Washington Street was the meeting place of patriotic agitators of pre-Revolutionary days and became a riding school for British officers during the Occupation. King's

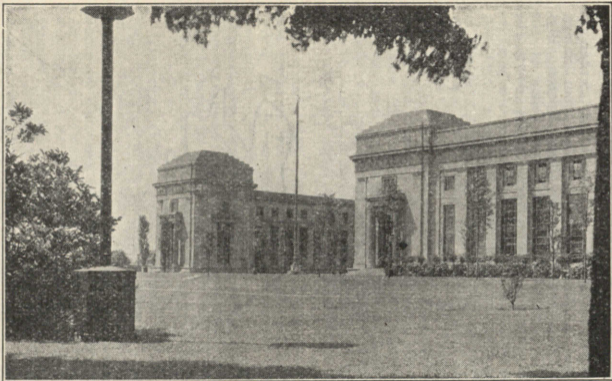
Chapel (1754) above on Tremont Street, has been both the first Episcopal and first Unitarian church in Boston, when America was hostile to both denominations. The oldest cemetery in the city adjoins the church, and here are buried John Winthrop, the first governor and long a stalwart of the Bay Colony, Mary Chilton, the first woman to land from the Mayflower, and Elizabeth Pain, the original of Hester Prynne in **The Scarlet Letter**. Somewhere in the Old Granary Burying Ground across Tremont Street, lie John Hancock, Samuel Adams, and James Otis. In the Common, which was purchased from William Blaxton in 1634, is another graveyard, but this was not used until after the Revolution.

In Cambridge, on Brattle Street, once the home of Tory aristocrats, stands Elmwood, the James Russell Lowell home, and Craigie House, where Longfellow lived and Washington once had his headquarters. The Harvard Yard contains buildings used as barracks in 1775 and as the seat of the great and general Court.

Historical Boston really includes Lexington, fourteen miles out, and Concord, six miles beyond. Beside "the rude bridge which arched the flood" is the Old Manse, home of Emerson and later of Hawthorne. At Salem, twenty miles toward the old fishing port of Gloucester, are the original **House of the Seven Gables** and many stately mansions of the days when Salem vessels brought home rich cargoes from the East. Marblehead, birthplace of the

American Navy and yachting center of New England, is four miles from Salem. In the other direction from Boston, Plymouth with monuments and relics of the Pilgrims, is about forty miles down the road to Cape Cod.





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.

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 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.



THE ALL-TECH SMOKER

PROBABLY nothing has a greater influence in fostering the fraternal spirit so noticeable in Freshmen classes at M. I. T. than the All-Tech Smoker. This year it will be held on the night of Registration day. The date has been moved up with the hope that fathers of all incoming Freshmen many of whom are only at the Institute for a day, will be able to attend this happy gathering and to join in giving their sons a rousing sendoff.

The Smoker carries on the work begun at Freshman Camp, and takes the place in a way of the work done there for those who were unable to attend. Members of the faculty will speak and all extra-curricular activities will be represented by speakers or exhibitions, and of course there will be the traditional free dinner and smokes in abundance.

And though a group of strangers awed perhaps by their first day at Tech will gather on Registration night, they will thaw out as the evening progresses; and when all voices are lifted to 'its always fair weather, when Tech fellows get together,' and the smoker is over, they leave as a body of comrades united in one common purpose—to catapult the class of '39 to heights never before scaled for the greater glory of M. I. T.

All Freshmen are expected to attend! All fathers are cordially invited. Tickets may be obtained by Freshmen in the Main Lobby on Registration Day.

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 Freshmen 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. They should be worn when on the Institute grounds for the first day of classes until the end of the rules period. These ties are to be sold on Registration Day by the Freshman Rules Committee.

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

3. The administration of the above rules shall be delegated to a Freshman Rules

Committee composed of a chairman, who shall be a senior appointed by the Executive Committee subject to the ratification of the Institute Committee, two Sophomore members, and a Freshman member who shall be elected by the Freshman section leaders.

4. A board composed as follows shall act as a court in reprimanding freshmen for lack of class spirit: Chairman of the Dormitory Committee, Chairman of the Interfraternity Conference, Chairman of the 5:15 Club and President of the Senior Class. If the Freshmen win Field Day, these restrictions shall be removed at the beginning of 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.



FRESHMAN CAMP

FRESHMEN, upon entering the Institute are so suddenly thrown into a life entirely different from that to which they are accustomed, that they may become lost in the newness of it all. In order to help bridge this gap between preparatory or high school and college, the annual Freshman Camp is held. The camp serves as a short cut for a freshman to the life and spirit of the Institute, and as a compass whereby he can help orient himself to his new world.

By living, eating and talking with a group of leading upper-classmen, 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 nor 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 tenth year of the Freshman Camp, and it is becoming more popular with each year of its existence, there being 204 Freshmen present at the 1934 Camp. It is expected that this year there will be a higher percentage of Freshmen than ever before attending Camp, and accommodations have been made for them.

TO THE NEW STUDENTS FROM FOREIGN COUNTRIES

Heartiest welcome to the Institute!

We realize that you who have just arrived in the United States will have many problems and questions during your first few months at M. I. T. We folks in the Technology Christian Association are here to help you in any difficulty whatsoever; come in and see us when you arrive at Tech. Remember that there is no distinction between Race or Religion in our Association.

One of your first questions when you arrive in Cambridge will be that of a room. If you cannot room in the Dormitories, the T. C. A. has a list of rooms available at the beginning of the term. Come in and look at it; it may help you. We also have a list of all your country-men, and we can help you make their acquaintance. There are also many Associations in Boston and Cambridge besides the T. C. A. which do much to make the Foreign student's stay in this country more enjoyable. Through us you will receive invitations from them for various dances and dinners. Do not pass up these opportunities; you will find them very enjoyable. The T. C. A. is here to be of service to you; do not be afraid to come in and ask us questions; you will receive a friendly welcome and all the help you need.

FIELD DAY

SINCE November 19, 1901, the supremacy of one of the two lower undergraduate classes over the other has been determined by a Field Day. Through this system, organized athletic contests have displaced the former dangerous cane rushes and "free-for-alls."

Field Day consists of five parts: a football game, crew race, relay race, tug of war, and a glove fight. Respectively each part counts four, three, three, two and one point.

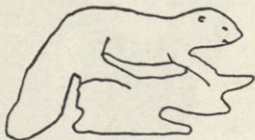
As Field Day takes place the first Friday in November, practices of different teams start simultaneously with academics at the Institute. Not only does this day mark the beginning of actual participation in school activities for the freshmen, but also, many new and permanent acquaintances are formed among their teammates as well as among their opponents.

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, seniors for the sophomores. Do not disappoint those who are backing you. Be one to help engrave the numerals of your class on the Field Day Cup!

Field Day Scores

	Year	Won by
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
1931—Class of '34 vs. '35	Sophomores
1932—Class of '35 vs. '36	Sophomores
1933—Class of '36 vs. '37	Sophomores
1934—Class of '37 vs. '38	Sophomores





THE PRESIDENT'S RESIDENCE

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 M. I. T. 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 is a golden thing,
And that God is not censorious
When his children have their fling;
And life slips its tether
When good fellows get together
With a stein on the table
In the fellowship of spring.

Chorus

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

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

Chorus

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

Take Me Back to Tech

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

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 molded,
 Our hands hast thou skilled
 To follow the precepts that thou hast in-
 stilled,
 So rise our voices with memories thrilled
 Technology Alma Mater
 Technology Alma Mater.

Words by G. M. Fair, '16

Hail M. I. T.

(Prize Song)

Hail, M. I. T.!
 Our Alma Mater hail!
 Hail, hail to thee!
 Thy sons shall never fail
 From far and near, we gather here,
 Beneath thy tow'ring dome.
 Thy spacious halls, thy columned walls,
 Thy courts we call our home.
 Hail, hail to thee!

Hail, hail to thee!
 Firm stand the sons of M. I. T. to cheer
 Hail, hail to thee,
 Our Alma Mater dear.

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

CHEERS

Tech is Hell

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

The Tech Cheer

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

DIRECTORY

Class Officers

1936

President, John C. Austin
Vice President, James H. Schipper
Secretary-Treasurer, Robert E. Worden
Institute Committee, Michael A. Kuryla
Institute Committee, Anton E. Hittl

1937

President, David S. McLellan
Vice President, G. Richard Young
Secretary-Treasurer, R. Vincent Kron
Institute Committee, William B. Burnet
Institute Committee, Robert Y. Jordan

1938

President, Donald Weir
Vice President, Frederick J. Kolb
Secretary-Treasurer, Emmett Ryder
Institute Committee, Richard Muther
Institute Committee, Richard K. West

Committees

Institute Committee

President, John C. Austin
Vice President, Brenton W. Lowe
Secretary, William B. duPont
Chairman Budget Committee, Allan W. Horton
Chairman of Walker Memorial Committee, John D. Gardiner
Member at Large, Anton E. Hittl

Walker Memorial Committee

Chairman, John D. Gardiner
Junior Member, Rutherford B. Harris
Junior Member, George C. Wemple

Junior Prom Committee

Chairman, David S. McLellan

Budget Committee

Chairman, Allen W. Horton

Freshman Rules Committee

Chairman, Robert Worden

Dormitory Committee

Chairman, Brenton W. Lowe

Elections Committee

Chairman, Ford M. Boulware

Student Curriculum Committee

Chairman, Claxton Monroe

Publications

Technique

General Manager, John T. Smith, Jr.
Editor-in-Chief, Ford M. Boulware
Business Manager, Lea H. Spring

The Tech

General Manager, Elwood H. Koontz
Managing Editor, Anton E. Hittl
Editor, Richard L. Odiorne
Business Manager, Ralph D. Morrison,
Jr.

Tech Engineering News

General Manager, Dorian Shainin
Editor-in-Chief, Brenton W. Lowe
Business Manager, Robert E. Williams,
Jr.

Voo Doo

General Manager, Everett H. Cargen,
Jr.
Managing Editor, George S. Trimble, Jr.
Business Manager, William B. DuPont
Sales Manager, Gordon C. Thomas

The Handbook

General Manager, John B. Toy
Editor, John R. Cook

Clubs**Radio Society**

President, William Fingerle, Jr.
Vice President, Alden E. Acker
Secretary, Russell C. Coile

Square and Compass

President, George Owen
Secretary, Oscar F. Hedlund
Treasurer, Wolcott A. Hokanson

5:15 Club

President, George R. Robinson
Vice President, Leonard B. Chandler
Secretary, W. Vernon Osgood
Treasurer, Robert S. Gordon

Armenian Club

President, Abraham K. Chakmaklian
Vice President, Alfred Z. Boyajian
Corresponding Secretary, George R.
Kevorkian
Treasurer, Haig M. Arakelian

M. I. T. Student House

President, George F. Crummey
Vice President, Harry E. Essley
Secretary, Paul W. Allen
Member-at-large, Lewis H. Allen

Catholic Club

President, W. G. Selvestrovich
Vice President, W. A. Cresswell
Treasurer, P. White
Senior Director, T. P. Norton

Activities

Technology Christian Association

President, James H. Schipper
Vice President, Matthew N. Hayes
Treasurer, Frank L. Phillips

Dramashop

President and General Manager, Frederick R. Clafee
Secretary-Treasurer, Edgar B. Taft

Combined Musical Clubs

General Manager, William O. Nichols
Concert Manager, William A. Cresswell
Treasurer, Charles Antoni
Business Manager, Philip Dreisigacker
Publicity Manager, O. William Muckenhirn
Personnel Manager, Edwin T. Herbig, Jr.
Stage Manager, John Gander

Professional Societies

Combined Professional Societies

President, Charles F. B. Price, Jr.
Sec.-Treas., James F. Patterson

Aeronautical Engineering Society

President, Richard K. Koegler
Vice President, Julius B. Schlieman
Secretary, Stephen DuPont
Treasurer, Willard R. Beye

American Society of Civil Engineers

President, Ariel A. Thomas
Vice President, Daniel W. Burns
Secretary, James H. Carr, Jr.
Treasurer, Bernard B. Gordon

American Society Mechanical Engineers

Chairman, James F. Patterson
Vice Chairman, William E. Abbott
Treasurer, Philip L. Ober

Army Ordnance Association

President, Herbert M. Borden
Sec.-Treas., Albert Musschoot

**Associated General Contractors of
America**

President, Sebastian G. Mazzotta
Sec.-Treas., Fabian L. Rouke

Chemical Engineering Society

President, Peter C. Weinert
Vice President, Alice T. Hunter
Treasurer, Edward E. Stritter
Secretary, Albert J. Ullman

Electrical Engineering Society

President, Walter K. MacAdam
Vice President, Martin A. Gilman
Treasurer, Charles J. Rife
Secretary, Thomas N. Wilcox

Sedgewick Biological Society

President, James L. Abdou
Vice President, William A. Steinhurst
Secretary, Edmund C. Knight
Treasurer, Louis J. Proulx, Jr.

Society of Automotive Engineers

- Chairman, Winthrop G. Scott
Vice Chairman, Richard U. Bryant
Treasurer, Paul H. Richardson
Chairman of Mem. Com., Robert S. Gillette
Chairman of Program Com., Semon E. Knudsen

Physical Society

- President, Charles H. Evans
Vice President, Wayne E. Hazen
Sec.-Treas., Duane O. Wood
Senior Rep., Carl B. White
Junior Rep., George B. Hunter, Jr.

Athletics

Athletic Association

President, Fletcher P. Thornton
Vice President, John P. Hayes
Secretary, Harry E. Essley
Treasurer, Franklin P. Parker
Chairman, Budget Com., Allen Horton
Publicity Manager, Robert Morton

Basketball

Manager, C. R. Gidley, Jr.
Captain, W. W. Garth
Coach, H. P. McCarthy

Boxing

Manager, J. A. Smedile
Captain, Elmer Wirtz
Coach, Thomas R. Rawson

Crew

Manager, J. S. Mason
Coaches, William B. Haines
William W. Lumpkin

Cross Country

Manager, Carl Abel
Captain, Douglas Chalmers
Coach, Oscar F. Hedlund

Fencing

Manager, M. L. Rockwell
Captain, Rudolph Ozol
Coach, John Roth

Golf

Manager, Harold Prouty

Gym

Manager, Paul W. Vogel
Captain, Roger Needham
Coach, Herbert G. Forsell

Hockey

Manager, Paul Daley
Captain, Franklin P. Parker
Coach, George Owen, Jr.

Lacrosse

Manager, R. de Raismes
Captain, Joel B. Bulkley
Coach, Walter I Tucker

Tennis and Squash

Manager, Alfred E. Busch
Coach, John H. Summers

Wrestling

Manager, Goodwin deRaismes
Coach, Jay Ricks

Track

Manager, Walter Wojtczak
Captain, Stanley Johnson
Coaches, Oscar F. Hedlund
Robert Bowie

Swimming

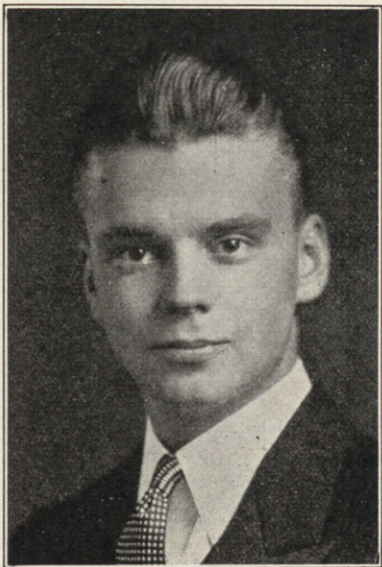
Manager, Robert Goldsmith
Captain, James F. Patterson
Coaches, John J. Jarosh
William J. Champion Jr.

Rifle

Manager, Joseph F. Keithley
Captain, C. F. B. Price, Jr.
Coach, Capt. James F. C. Hyde

Soccer

Manager, G. Robert Wepler
Captain, John P. Hamilton
Coach, M. Goldie



JOHN C. AUSTIN
President, Class of 1936

FRESHMAN MESSAGE

MAY I extend to you, the seventieth class to enter the Institute, a sincere word of greeting in behalf of your fellow-classmates. You are entering a four-year period which you will never regret—four years which may considerably alter the very course of your life.

You will have at your disposal during the next few years the instruments which will enable you to build a foundation for the years to come. Some of these tools will be obvious—others you will not find unless you look for them. You are aware that Technology itself offers you scholastic opportunities recognized as the best—above all, don't fail to make use of this first implement.

Too many Tech men are satisfied to stop at this point. But you must realize that no institution will stand on a one-sided foundation; likewise, in this rapidly changing world, book-learning is not enough—human relationships are so important that you must not overlook the necessity for physical and social development. With this in mind, I urge every one of you to enter one or more of the many and diverse activities which Technology offers you to stay with that activity even in the face of discouragement.

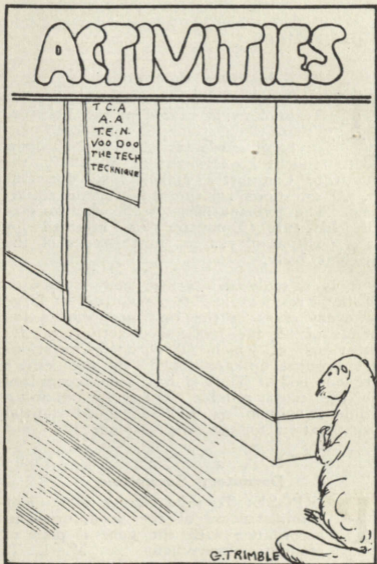
Men are unable to lead happy lives unless they possess those qualities which will allow them to mingle with their fellow men and understand them. Make use of a third instrument—acquire and develop the habit of making friends. Select carefully—for you are known by your friends! select wisely—for the friends you make at Technology will be your lifelong associates.

A fourth implement you will need is your own resourcefulness. The ability to recognize opportunities through maintaining a proper perspective is an asset, the value of which cannot be over-emphasized.

These are a very few of the possibilities which lie before you. Plan your foundation with all of them, so that when it is finished, it will be true and thorough. Bear in mind that it will be only as strong as the materials and effort you put into it. See to it, then, that your contribution to that foundation and to that spirit which is Technology is worthwhile and lasting.

John C. Austin ,
President, Class of 1936





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.

Dormitory Committee

PURPOSE: To take charge of student administration of the dormitories in accordance with the general plan of student government at M. I. T. Representatives are: one senior represent-

ing each hall, and chairmen of the following committees: Dance committee, Athletic committee, Freshman committee, Dorm Rumor committee, Social committee, Budget committee, and Dinner committee.

Budget Committee

THE purpose of the Budget Committee is to regulate the expenditures 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 three other members, one the treasurer of M. I. T. A. A., and two chosen from the Junior class by the Institute Committee.

Freshman Rules Committee

THE administration of Freshman Rules is delegated to the Freshman Rules Committee. The Chairman is a senior appointed by the Executive Committee subject to the ratification of the Institute Committee.

Freshman rules are designed and enforced to further class spirit among the incoming freshmen, and to promote a better understanding of the traditions of Technology.

Junior Prom Committee

THE Junior Prom Committee consists of five members elected at the annual fall elections and is presided over by the class president. It is their specific purpose to arrange for the Junior Prom, which is considered the outstanding social event of the Institute year. Last year the Prom was held in the ballroom of the Hotel Statler on March 29. The Committee was extremely fortunate in securing the elegant and distinctive music of Eddy Duchin and his Central Park Casino orchestra. The consensus of opinion was that the Junior Prom of the class of 1936 was the most successful prom in many years.

The Student-Faculty Curriculum Committee

THE Student-Faculty Curriculum Committee has for its function the consideration of constructive criticisms on all phases of Institute activities, with especial emphasis upon the curriculum and methods of instruction. The Committee consists of a faculty group headed by a chairman appointed by the President, and a student group headed by a chairman appointed by the Institute Committee. The two groups meet to discuss and take action on the student curriculum problems. The student and faculty members represent different courses, and in this way diversified contact is maintained with the student body.

Walker Memorial Committee

THE Walker Memorial Committee has charge of the Walker Memorial and 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 used most advantageously by 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.

The Committee also has charge of the Point System, by which points are assigned to all positions in the undergraduate activities, according to the work involved. By setting the maximum number of points allowable, no one student may participate in too many extra-curricular activities.

Publications

Tech Engineering News

IN the sixteen years of its growth, the undergraduate engineering magazine of Technology has gained the reputation of being the foremost publication of its kind in America. THE TECH ENGINEERING NEWS, recently awarded the Yale Cup, is written in part by prominent engineers and professors, and in part by students; it is edited, financed and managed entirely by undergraduates. The articles it presents are timely and well-written, and cover a wide range of interesting subjects.

The Editorial Department obtains material from the authors, edits it, and prepares it for publication. Students showing marked writing ability are given the opportunity to submit articles, if they so desire. Valuable experience is to be gained from the contacts with prominent professional men which are open to members of the Editorial Department. Training in the use of technical and non-technical English is an important phase of the departmental program.

A course in Journalism is offered at the Institute for the editorial candidates who wish to take it in place of the regular freshman year English course.

The Business Department includes cir-

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

Staff-members are chosen from the candidates by competition, which will be initiated this fall by a mass meeting, the date to be announced on the Institute bulletin boards. All those interested in T. E. N. are invited to visit the activity offices in the basement of Walker Memorial.

The Tech

SINCE 1881, when a small group of undergraduates banded together to establish THE TECH, it has been the official undergraduate newspaper of Technology. Entirely student managed, its object is to present to the undergraduates, faculty, and alumni all news pertaining to the Institute and undergraduate life. At the same time opportunity is provided in its editorial columns for the expression of student and public opinion.

THE TECH, published twice a week, is run on a competitive basis with the largest staff of all undergraduate publications. Positions of candidate, reporter, and staff member are open to all freshmen. At the

board elections, held in February, ten Sophomores are elected to Junior Board positions, one Junior each to the positions of General Manager, Editor, Managing Editor, and Business Manager.

For the freshman candidate work is offered covering many fields of modern newspaper publishing. Experience in news and editorial, writing, business management, advertising, bookkeeping, photography, and newspaper composition are among details met with from the time an event occurs until the newspaper reporting it is sold. Men on THE TECH are known to be more familiar with the "inside" of undergraduate affairs than those in any other activity.

A course in journalism is offered to freshmen by the English Department. Those interested in enrolling are urged to consult Professor Frederick G. Fassett, Jr., Room 2-275, as soon as possible.

A smoker for the benefit of freshman candidates will be held soon after registration. The date and place will be announced later. Freshmen who wish to visit the offices of THE TECH will find the News and Editorial Departments in Room 3, in the basement of Walker, and the Business Office on the third floor, Room 303.

Technique

THE Technique is the Institute year-book. It is a permanent record of all undergraduate activities—both formal and informal—for the year preceding its publication.

The men coming out for the TECHNIQUE have a large field from which to choose their work. Not only does the literary side develop one's vocabulary and writing ability, but also considerable practice is offered in the photographic and circulation departments. The editor has charge of collecting all statistical data, checking, and proof reading.

Technique sponsors two annual campus events. The first is the TECHNIQUE Rush, a free-for-all tempered only by traditional rules and ceremony. Ten 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.

Competition for positions on the staff begins in the fall with academics and is open to everybody. Our office on the third floor of Walker Memorial is open to you for any other information.

Voo Doo

PHOSPHORUS is the best friend of every undergraduate at Tech. He has just rounded out eighteen 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

Dramashop

THE purpose of Dramashop is to give those students who have an interest in dramatics an opportunity to produce plays. The organization is supported by receipts from public performances, one play, which usually has three such performances, being produced each term with Professor Dean M. Fuller as director. The types of plays which are given by Dramashop are shown by some of the past productions. The first to be performed was Eugene O'Neill's "The Hairy Ape." This was followed by such plays as "Marriage" by Nicolai Gogol; "Ten Nights in a Bar-room"; "They Knew What They Wanted" by Sidney Howard; and "The Tavern" by George M. Cohan.

The work of Dramashop is varied enough to offer an opportunity to all. The positions in the cast and management are for the most part competitive, and tryouts for these positions are held several weeks before the productions of the plays. Announcements of the tryouts appear in *THE TECH* and on the bulletin boards. This activity offers many opportunities for originality to those who wish to work on the properties, lighting, or scenery in the production department; and those who wish to work on publicity and the many other details in the business department will also have ample scope for their ideas.

All those who are interested in this type or work, whether they actually want to

help producing plays or not, are cordially invited to visit Dramashop in 2-176 when the announcements of the coming production appears in the fall.

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 of musical comedy nature, which is annually presented during Junior Prom week-end.

Early in the fall the actual show is chosen and immediately a call for the cast and chorus is issued, and work on scenery and props 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 as soon after the beginning of school in the fall as possible.

The Combined Musical Clubs

THE Combined Musical Clubs offer great opportunity for the freshmen as well as for the upper classmen who are interested in music, for openings for any voice or any instrument are to be found here.

Consisting of a well balanced Glee Club, an exceptionally fine Orchestra, playing the better-known light classicle music, and a lively Banjo Club, the Clubs had a most successful season last year. Soloists on specialty instruments are also afforded a place in the programs of the Concerts and Dances throughout the year.

All the work, vocal as well as instrumental, affords much beneficial training for outside concert work, and gives the members of the Clubs social acquaintances among the club members and among the Girls' schools in and around Boston which we visit and at which we give our programs. Besides the Christmas Concert and Dance, and the Spring Concert and Dance, two of the outstanding social events of the Institute Calendar, there is given during the first month of the second term a Concert and Dance in Walker Memorial in which some Girl's school participates.

The management of the Clubs consists of two senior positions, General Manager and Concert Manager; five junior positions, Stage Manager, Business Manager, Treas-

urer, Publicity Manager, and Personnel Manager; and sophomore and freshman positions which are open to all under competition.

The training which these men receive, as well as the training of the members of the various clubs is one of the greatest assets afforded by the Institute.

Combined Professional Societies

1. Aeronautical Engineering Society
2. American Society of Civil Engineers
3. American Society of Mechanical Engineers
4. Army Ordnance Association
5. Associated General Contractors of America
6. Chemical Engineering Society
7. Corporation XV
8. Electrical Engineering Society
9. Mechanical Engineering Society
10. Physical Society
11. Sedgewick Biological Society
12. 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 two, when the Combined Professional Societies again took the lead.

Debating Society

The Debating Society of the Massachusetts Institute of Technology, although established for only two years, has become one of the major activities of the campus. The team does not use a few speakers or a single proposition, but has a large group discussing varied questions in more than fifteen intercollegiate debates and exhibition contests. Plans are being made to join the Eastern Intercollegiate Debate League and Delta Sigma Rho, the national honorary forensic society. Freshmen debating is encouraged with neighboring college freshmen and high schools. A major phase of the program is bi-monthly meetings of the Society for the purpose of extemporaneous speaking, debating, and discussions of leading problems of the day and of subjects related to Technology. Try-outs for the teams are planned for early in October under the guidance of the following officers:

Prs., Paul A. Vogel, '37

Manager, Robert Treat, '38

Sec.-Tras., Paul W. Stevens, '37

Executive Committee, Richard Vincens, '37
Edouard Bossange, '38

Clubs

Armenian Club

The M. I. T. Armenian Club was organized in 1927 in order to bring together Technology students of Armenian race. Its scope is both educational and social. It tries to maintain a fund from which to aid financially worthy Armenian students at Technology. Its annual activities are a banquet, public meetings, dances, and a dramatic presentation. It is affiliated with the Armenian Scientific Association of America.

Catholic Club

The Catholic Club was organized to establish a medium of friendly and social intercourse and to promote the practice of and to spread by good example a knowledge of the Roman Catholic Faith at the Massachusetts Institute of Technology. Being essentially a religious and educational organization its meetings are informative on current religious topics. Supper meetings and communion breakfasts held during the year and addressed by prominent men provide the occasions for more friendly relationships. Study clubs formed for the purpose of revealing the Catholic viewpoint on subjects primarily religious offer the members an opportunity for individual participation in informal discussions.

Two or three dances held during the year are an expression of the social atmosphere of the club.

Cleofan

Cleofan is a social club for the women students at Technology. Its purpose is to aid women students in becoming acquainted with the Institute and with one another.

All new women students at Technology will be welcomed by Cleofan at the Margaret Cheney Room (10-300) on the third floor of the main building.

5:15 Club

The 5:15 Club, originally formed two years ago as the Commuters' Association, which had as its purpose, the bringing together of the commuting students in social and fraternal contact and the development of their interest in undergraduate activities, is one of the youngest and yet one of the largest and most active of the undergraduate organizations at the Institute. In its short existence it has enjoyed unparalleled growth and now boasts of over three hundred members, with a substantial increase every year.

Membership in the Club is open to all students who do not live in the dormitories or the fraternity houses. In addition, local clubs have been formed of members in the various districts of greater Boston. The club is managed by an executive committee composed of a president, vice-president, secretary, treasurer, and two members-at-large, and a board of directors composed of the chairmen of the several local clubs.

Because of its remarkable growth and the success of its purpose the club was accorded the use of a room in Walker Memorial for the combined uses as a lunchroom, study room, reading room and social room.

Several large dances were given last year, outstanding of which were the New Year's eve masquerade and the post examination moonlight sail aboard the steamer "S. S. Steel Pier" in June, both of which have become annual events. Other events were a fathers' and sons' night at which club members and their dads enjoyed dinner and sports events as well as recreation together; the conduction of a bowling tournament among several of the local clubs, the winner of which competed against the outstanding dormitory and fraternity teams; and participation in squash racquets, tennis and basketball tournaments.

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 at the Institute. Meetings, discussions, and dances are held. An invitation to join is extended to all.

Radio Society

The M. I. T. Radio Society is an organization for the purpose of allowing those students who are interested in radio to continue their hobby while at the Institute. The Society is an affiliated club of the American Radio Relay League and is entitled to participate in all League activities.

All members who hold amateur operator's licenses are entitled to operate the Society's station, WIMX. The radio "shack" is located in a small building between the track house and the hangar gymnasium. At present there are three crystal controlled transmitters operating in the twenty-four, and eighty meter bands respectively. The eighty and forty meter sets have a power output of two hundred and fifty watts while the twenty meter transmitter has a capacity of one hundred and fifty watts. Provision has been made for the use of this transmitter in the twenty meter radio telephone band. The transmitters are all panel mounted and can be operated simultaneously or separately at will from the operator's position.

Speakers on topics of general interest address the society at the regular meetings, notice of which appears in THE TECH and on the Radio Society bulletin board near room 10-250.

All freshmen amateur radio operators and others interested are requested to get in touch with the Secretary (in the Dorms) immediately after school starts.

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 Society of the Musical Clubs. Membership extended to those who have rendered exceptional service to the Clubs.

Beaver Key Society, The duty of this organization is to act as official host to visiting athletic teams. Members consist of twelve managers, athletes, eight men from other activities. Six members elected from the Junior class.

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.

Dorclan, An Honorary Society for upper classmen in dormitories. Its purpose is to further dormitory activities and aid all undergraduate Institute proceedings.

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.

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

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

Gridiron, Local honorary journalistic society devoted to the advancement of journalism at Technology. Members are selected from outstanding representatives of the four major publications.

Quadrangle Club, Sophomore-Freshman Society. An organization to promote closer relationships among the under-classes. Members chosen from the activity highlights 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.

Tau Beta Pi, A national honorary fraternity for engineering schools. The high-

est 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.

Track Club, Honorary track society. Members are chosen for their part in furthering the cause of track at the Institute, and in recognition of their faithful work and interest in track.

Walker Club, Senior Social Club. Members chosen from the activity highlights of the Junior Class.

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



Athletics

M. I. T. A. A.

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. has 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" given to athletes of outstanding ability. The "Straight T" is also usually awarded to the Varsity Track Team and to the Varsity Crew.

Crew

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 Varsity crews of recognized ability in intercollegiate competition. Coach William Haines, who for many years has coached all of the Technology Varsity crews, is now assisted by a staff of young men of recognized rowing ability, so that now there are separate coaches for the Varsity, Freshman, and 150-pound crews. Now each crew gets individual attention, and Coach Haines is able to devote more of his time to the development of the two first Varsity crews. Moreover, this is a sport which everyone can go out for. If one weighs over 160 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 Freshmen 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 lapstreaks, and finally in the shells.

In the past years, crew has proven itself to be one of the most popular sports for incoming freshmen. It may be substituted for the required physical training. The size of the squad is never diminished; each man who comes out for crew is assured of recognition and the opportunity of rowing in a shell.

The boathouse is adequately equipped to take care of over one hundred and fifty men. There are separate locker rooms and showers for the Varsity and Freshmen crews. The new equipment, purchased each year, usually includes one or two shells and sets of oars.



CREW RACE

Track

TRACK is one of the Institute's major sports 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 200 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.

Members of the track squad are also offered an opportunity to compete in the several handicap and novice meets which

are held throughout the year. Thus every-one 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.

Cross Country

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

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

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

Basketball

BASKETBALL is one of Technology's leading winter sports. Both Varsity and Freshman teams are maintained under the supervision of a competent coaching staff. The Varsity meets the leading colleges of the East, while the Freshmen play the prominent preparatory schools and college Freshman teams of New England.

A call for all men interested in basketball is made soon after the opening of the school year. Practice for both Varsity and Freshmen begins immediately after Field Day, with the first scheduled games being played about the middle of December. The season terminates about the first of March.

Freshmen may substitute basketball for the required physical training. There are also openings for four live Freshmen for the managerial staff.

Gym Team

GYM, which has become one of the more popular collegiate winter sports, has completed a very successful season at the Institute. The team is fortunate in having for practice Walker Memorial Gym, which is one of the best equipped in collegiate circles.

Two years ago a freshman team was organized and allowed to participate in several meets. Proving itself to be very

worthwhile, freshman gym will continue to promote better men for the varsity because of individual attention offered.

Candidates may substitute gym for the compulsory physical training as practice begins immediately after registration and continues into the second term.

Swimming

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. 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

THE men 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

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 incised.

Freshman squad begins practice on the courts behind "The Coop" in the spring as soon as the weather permits. The Varsity practices on clay courts either in Cambridge or at various clubs on the outskirts of Boston; and 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 freshmen and preparatory school teams in New England.

Boxing

BOXING, one of the Institute's youngest sports, has, in the eight 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 freshmen 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

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 freshmen and preparatory and h. 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

WRESTLING has now become one of the most important sports at Technology, keeping pace with the growth of its popularity all over the country. Both the Varsity and Freshman teams meet some of the best schools in the East.

Wrestling offers a variety of opportunities as there are eight weight classes, ranging from 118 pounds to unlimited. Everyone can find a suitable place for himself. Experience is not essential for the coaching is arranged to teach fundamentals. The substitution of this sport for the required physical training not only offers an enjoyable exercise, but also is of great assistance in all-around physical development. Practice begins directly after Field Day and is held in the Hanger Gym.

Soccer

SOCCKER, in its ninth 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

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 and of the Intercollegiate League which is sponsored by the N. R. A.

The varsity schedule includes the best teams in the East while the Freshmen have a similar schedule with the best freshman and preparatory school teams. The R. T. R. is awarded to members of the varsity as well as the T-crossed rifles to certain high standing men of the Intercollegiate Team. Members of the freshman team receive class numerals.

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 March.

Womens' Rifle Team

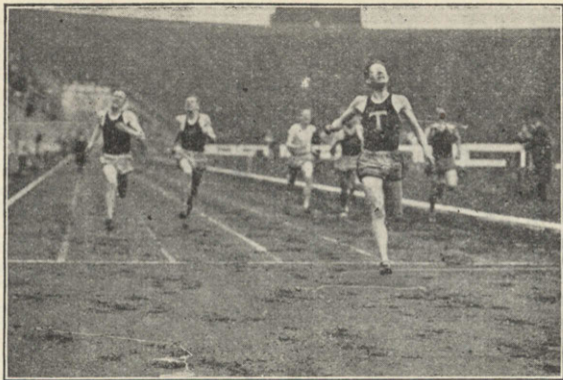
THE team, recently organized, is sponsored by the Military Science Department and coached by members of the Varsity Rifle Team. All women students are eligible. Practice periods are held twice a week throughout the season. Matches with teams of other colleges are expected to be held next year.

Lacrosse

LACROSSE, a new sport at the Institute, was granted official recognition in 1930. 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.



RICHARD BELL, '34
Making Institute Record in 220-Yard Dash—21 4-5 Sec.

Golf

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 reumatism. 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 the 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 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.

Squash Racquets

HERETOFORE the game of Squash Racquets has been played almost entirely in the more exclusive private clubs. Recent introduction of it to collegiate circles has caused its popularity to spread like wildfire, since it is a sport which can be played regularly in later life.

Technology is fortunate in the possession of a large number of fine courts and the

services of a five times National Professional Champion as coach. His services are available to any player in the Institute.

A fine schedule of matches is played with leading clubs from around Boston as well as the outstanding college teams, including the Intercollegiates, the season's span being from about December to March. In the All-Technology Tournament during the winter for the Emerson Trophy beautiful cups go to the winners.

It is a good plan to drop around at the Squash courts any day and see the matches or talk to the coach, so as to get going early for the Freshman squad's winter season.



Freshman Track Records

Event	Holder	Year Made	Record
100 yards	J. S. Weibe '27	May 27, 1924	10 1-5 s.
220 yards	R. Bell '34	April 11, 1931	22 2-5 s.
440 yards	A. D. Smith '23	May 15, 1920	50 3-5 s.
880 yards	E. P. Cooper '37	May 16, 1934	2 m. 1 s.
1 mile	H. H. Guerke '37	May 16, 1934	4 m. 32 s.
120 high hurdles	S. T. Johnson '36	May 24, 1933	16 1-5 s.
220 low hurdles	S. T. Johnson '36	May 24, 1933	25 2-5 s.
High jump	J. R. Thomson '37	May 23, 1934	6 ft. 7-8 in.
Broad jump	S. T. Johnson '36	May 24, 1933	22 ft. 2 1-2 in.
Pole vault	T. Dixon '35	April 30, 1932	11 ft. 3 1-4 in.
12-pound shot	J. R. Thomson '37	May 10, 1934	48 ft. 6 in.
12-pound hammer	F. Glantsberg '27	May 3, 1924	162 ft. 4 in.
Discuss	P. Hardy '31	May 2, 1928	125 ft. 6 in.
Javelin	J. A. Robertson '32	May 24, 1929	167 ft. 3 in.

Massachusetts Institute Track Records

Event	M.I.T. Record	Holder	Year Made	N.E.I.C.A.A. Record	I.C. 4A. Record
100-yd. dash	10 s	R. Bell	1932	9 4-5 s	9 2-5 s
220-yd. dash	22 s	C. W. Gram	1932	22 s	
220-yard straight	21 4-5 s	R. Bell	1932	21 2-5 s	20 9-10 s
440-yard run	50 s	D. P. Jeppe	1924	48 2-5 s	47 2-5 s
880-yd. run	1.55	G. J. Leness	1925	1.54 2-5 s	1.52 1-5 s.
1-mile run	4.25 4-5 s	R. G. Brown	1915	4.18 3-5 s	4.14 2-5 s.
2-mile run	9.38 3-5 s.	J. E. Kearns	1932	9.28 s	9.22 s.
120 high hurdles	15 1-5 s	Steinbrenner	1927	14 3-5 s	14 2-5 s.
220 low hurdles	23 9-10 s	Steinbrenner	1927	24 s	23 3-5 s.
Shot put	44 ft. 1 in.	B. Grondal	1931	50 ft. 6 1-2 in.	53 ft. 2 3-4 in.
Hammer throw	158 ft. 6 in.	G. G. Dandrow	1921	171 ft. 1 in.	181 ft. 6 1-4 in.
Discus throw	128 ft. 8 in.	J. R. Thomson	1935	154 ft. 1 in.	163 ft. 7 3-8 in.
High jump	6 ft. 3 in.	J. R. Thomson	1935	6 ft. 3 5-8 in.	6 ft. 5 3-4 in.
Broad jump	24 ft. 2 in.	S. T. Johnson	1935	24 ft. 5-8 in.	25 ft. 3 1-2 in.
Javelin	193 ft. 4 4-5 in.	J. R. Robertson	1931	199 ft. 7 1-2 in.	220 ft. 11 1-4 in
Pole vault	12 ft. 9 in	L. M. Sauford	1925	13 ft. 8 in.	14 ft. 5 1-4 in.

THE TECHNOLOGY CHRISTIAN ASSOCIATION

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. It is commonly known around the school as the "T. C. A." and has the reputation of being one of the leading organizations of its kind in the country. It is strictly a student service organization and is in no way connected with the State Y. M. C. A. Although much religious and social work is done in connection with the functions undertaken by the Association an emphasis is placed on rendering service to the school and offering assistance in every way possible to anyone who is in need of it. In the following summary may be found a list of the numerous departments into which the work of the Association is divided.

The work of the Association is financed by the contributions of the undergraduates. There is no membership fee, but every undergraduate and faculty member is given a chance to contribute in the fall of each year during the annual drive. The Advisory Board maintains the secretaries and office assistants, and advises regarding the organization's policies. Active direction of the Association's affairs, however, is in the hands of the Executive Committee and the Cabinet.



JAMES H. SCHIPPER
President Technology Christian Association

Advisory Board

Percy R. Ziegler, '00, Chairman; Wolcott A. Hokanson, Treasurer; Dr. John W. Chamberlain, '28; Leicester F. Hamilton, '14; Carle R. Hayward, '04; Dr. Egon E. Kattwinkel, '23; William H. Timbie.

Senior Board

President, James H. Schipper, '36; vice-president, Matthew N. Hayes, '36; treasurer, Frank L. Phillips, '36.

Junior Board

Division I, William B. Burnet, '37; Division II, John B. Toy, '37; Division III, Robert H. Goldsmith, '37; Division IV, Josiah S. Heal, '37.

Sophomore Board

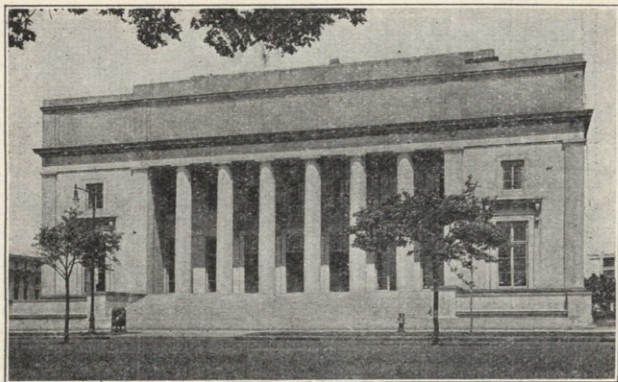
Norris G. Barr; Ernst G. Stolper, Edward Kuhn, David A. Wright, Chauncey F. Bell, Arthur Gould, George P. Morrison, John R. Cook, John B. Lees.

DIVISION I

William B. Burnet, Manager
Norris G. Barr, Assistant
George R. Morrison, Assistant

Boys' Work

The T. C. A. Boys' Work department attempts to interest Tech men, particularly the freshmen, in leading boys' clubs in settlement houses, Boy Scouts, etc. in Greater Boston. College men represent a different world which will greatly influence the characters of the boys, inspiring in



THE WALKER MEMORIAL

them high ideals and ambitions, and thereby performing the greatest social service. Volunteers get from this interesting work first-hand experience in developing leadership qualities, an insight into modern social problems, and the immense satisfaction of helping others.

Conferences

The objective of the department of Conferences is to promote individual development on the part of the delegates and to adequately represent Technology at inter-collegiate gatherings. The most important of these is the Northfield Conference, so called from its origin at Northfield, although recently it has been taking place at Camp Becket. In addition to this, there are held throughout the year numerous smaller conferences, some supplementing the Northfield Conference of June and others independent of it.

Freshman Camp

Freshman Camp offers the incoming class the only orientation program at Technology. During the pleasant weekend, the Freshmen are introduced by the respective heads to all the leading activities and sports. A more detailed account has been rendered in a preceding article.

Deputations and Meetings

The purpose of this department of the T. C. A. is twofold. One purpose is to organize delegations to lead or participate in discussion groups at churches in or near Boston. The other purpose is to secure



WALLACE M. ROSS
General Secretary Technology
Christian Association

speakers of one kind or another who might be of interest or value to the students. In other words the task of the department is to obtain or provide speakers when there is a demand for such.

DIVISION II

John B. Toy, Manager
John R. Cook, Assistant
Edward Kuhn, Assistant
Ernst G. Stolper, Assistant

Social Work and Infirmary

Often various social organizations in and near Boston ask for assistance in social work, or in obtaining 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.

Handbook

This is the thirty-eghth year that the T. C. A. has published The Handbook. This year's edition is changed in many details, making a more attractive book. The Handbook is sent to all Freshmen and transfers about September 1st, and is sent to upper-classmen on request.

Ticket Service

A ticket service has been maintained by the T. C. A. for the past three 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.

Foreign Students

It is said that the Institute has the distinction of having the second largest number of foreign students of any institution in this country. Last year 175 were in attendance from 43 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.

Information

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 timetable 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.

DIVISION III

Robert H. Goldsmith, Manager

John B. Lees, Director Church Relations

David Wright, Assistant

Book Exchange

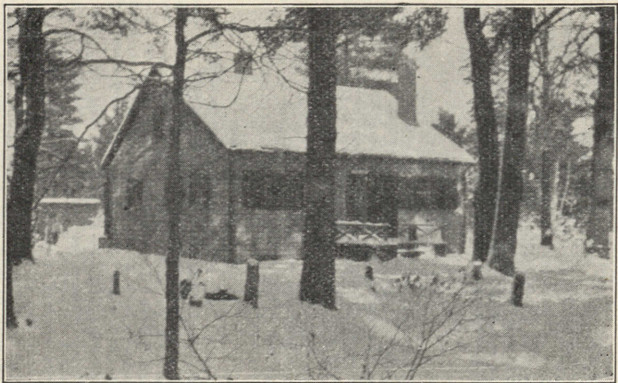
The T. C. A. maintains a book exchange where students may leave second-hand books, drawing boards, instruments, etc., for sale at two-thirds the original price paid. Here may be purchased many books required by courses at the Institute.

Blotter

Twenty-five hundred 19x24 desk blotters are distributed at the beginning of each term 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 beginning of each term.

Church Relations

The T. C. A. does not aim to set up a definite religious organization, but rather to have its organization be an ally of the churches. The Church Relations department hopes to assist students who so desire to become student members of churches and those who already are by posting church bulletins throughout the Institute, dormitories and fraternities. This department further desires to be of assistance to the student groups by helping them to meet the students of their faith, by obtaining faculty members to speak and, in general, to help the church in making relations with the student body.



THE TECH CABIN

Freshman Advisors

Before coming to school, freshmen receive letters from their advisors. The latter wish to help the new men get started in their strange surroundings, and make their first few weeks as pleasant as possible. If freshmen have any problems these are the men to consult.

DIVISION IV

Josiah S. Heal, Manager
Chauncey Bell, Assistant
Arthur Gould, Assistant

Tech Cabin

The Tech Cabin was built at Lake Maspagoag, approximately 36 miles from Tech, at a cost of \$6,000 by the T. C. A. Each fall the Cabin is used as headquarters for Freshman Camp. During the school year groups numbering up to thirty drive up to the Cabin to spend the week-end. The Cabin was built to be used by Tech students and may be reserved by any group applying at the T. C. A. office.

Undergraduate Drive

Every year, in order to meet the expenses of its undergraduate activities, the T. C. A. conducts a drive. This is carried on among the students of the Institute and all those who are able contribute.

Advisory Board Solicitation

The money received from the Undergraduate Drive is used for undergraduate activities. This money does not go to pay the

salaries of the General Secretary, Employment Secretary or Office Secretary. To collect the necessary money for this purpose a solicitation of the faculty, parents of freshmen and alumni is carried on. The work connected with the mailing of letters to these groups is placed in Division IV.

Office Department

Division IV also has charge of doing general office work and taking care of the office when the secretary is out. The General Manager of the division acts as Assistant Treasurer and checks all office bills.



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,

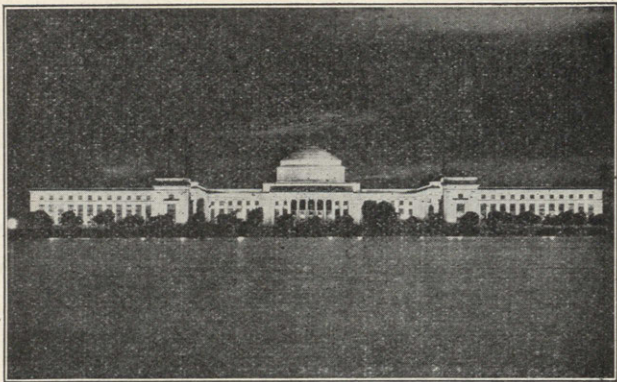


PENNEL N. ABORN
Employment Secretary

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.

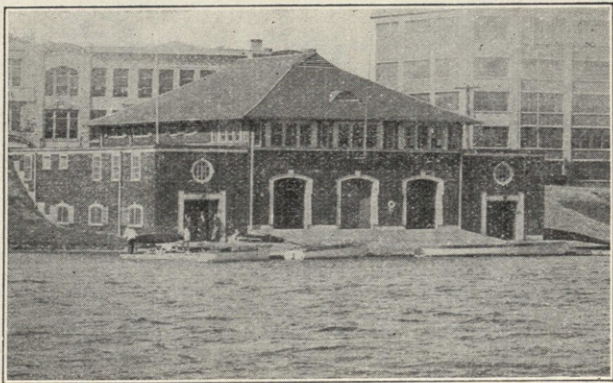




THE INSTITUTE AT NIGHT

The M. I. T. Student House

AS the result of the interest of an anonymous donor, a house on 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 co-operative 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.



TECH BOATHOUSE

Directory of Churches

BAPTIST

First Baptist Church in Boston, Commonwealth Ave. and Clarendon St. Service 11.00 A. M. Christian Endeavor 6.15 P. M.

Brookline Baptist Church, Coolidge Corner. Service 11.00 A. M. Student Meeting 5.30 P. M.

First Baptist Church in Cambridge, River St. near Central Square. Service 10.30 A. M. Student Meeting 6.15 P. M.

Tremont Temple, Tremont St. near School St., Boston. Service 10.25 A. M. Christian Endeavor 5.30 P. M.

Old Cambridge Baptist Church, Massachusetts Ave., and Harvard St. Service 10.45 A. M. Student Meeting 7.30 P. M.

CHRISTIAN SCIENCE

First Church of Christ, Scientist, Falmouth, Norway, and St. Paul Sts., Boston. Service 10.45 A. M.

CONGREGATIONAL

Mount Vernon Church, Beacon St. and Massachusetts Ave., Boston. Service 11.00 A. M. Student Meeting 7.30 P. M.

Harvard Church in Brookline. Marion and Harvard Sts. Service 11.00 A. M. Student Meeting 6.15 P. M.



CHRIST CHURCH

A. D. 1759

Harvard Square, Cambridge

Rev. C. Leslie Glenn
Rev. John C. Grainger
Rev. H. Martin P. Davidson
Mr. Cushing Toppan

Tel. TROwbridge 0200

Sunday Services: Holy Communion, 7.30,
8.30 (St. John's Chapel). Morning
Prayer and Sermon, 9.45 and 11.15.
Evening Prayer and Sermon, 8.00.

First Church in Cambridge, Corner Garden and Mason Sts. Service 11.00 A. M. Student Meeting 7.15 P. M.

Old South Church, Copley Square, Boston. Service 11.00 A. M. Student Supper 5.30 P. M.

Prospect St. Congregational Church, near Central Square, Cambridge. Service 10.30 A. M. Student Meeting 6.30 P. M.

Church of the Covenant, Berkeley and Newbury Sts., Boston. Service 10.45 A. M. Social Hour 5.00 P. M.

Park St. Congregational Church, Park and Tremont Sts., Boston. Service 10.30 A. M. Christian Endeavor 5.45 P. M.

EPISCOPAL

Cathedral Church of St. Paul, opposite Park St. Subway, Boston. Service 11.00 A. M.

Emmanuel Church, 15 Newbury St., Boston. Service 11.00 A. M. Emmanuel Club 6.30 P. M.

Trinity Church, Copley Square, Boston. Service 11.00 A. M. Young People's Fellowship 5.30 P. M.

Church of the Advent, Brimmer St., Boston. Service 10.30 A. M.

Christ Church in Cambridge, Garden St. near Harvard Square. Service 11.00 A. M.

LUTHERAN

University Lutheran Church, Winthrop St., Cambridge, between Dunster and Boylston Sts., (Near Harvard Square).

Trinity Church

Copley Square

Ministers

Arthur Lee Kinsolving, Rector

William E. Gardner

Robert L. Bull

William W. Lumpkin

Sunday Services

8:00 a.m. Holy Communion

11:00 a.m. Morning Prayer and Sermon

4:00 p.m. Vesper Service

5:30 p.m. Meeting of Students and
Young People

7:30 p.m. Evening Service and Address

Students are invited to become regular members of the fellowship of Trinity Church during their college years. The clergy welcome opportunities to meet and know all new students.

On Sunday afternoon at 5.30 informal meetings are held in the Parish House followed by supper in the dining-room. A varied program of social activities, informal talks, discussions, dramatics and devotions is planned throughout the year.

A Corporate Communion is held on the third Sunday in each month followed by breakfast.

Service 10.45 A. M. Student supper and forum, 6.15 P. M.

METHODIST

Copley M. E. Church, corner Exeter and Newbury St., Boston. Service 11.00 A. M. Student Group 7.30 P. M.

Epworth M. E. Church, Massachusetts Ave., opposite Waterhouse St., Cambridge. Service 10.30 A. M. Evening worship Wesley Foundatoin Student Council 7.30 P. M.

St. Mark's M. E. Church, Park and Vernon Sts., Brookline. Service 11.00 A. M.

PRESBYTERIAN

First Presbyterian Church, corner Harvard and Pierce Sts., Brookline. Service 10.45 A. M. Student Group 6.15 P. M.

Westminster House, 185 Bay State Road Student Meeting 5.00 P. M.

CATHOLIC

St. Paul's Church, Arrow and De Wolfe Sts., Cambridge.

St. Mary's of the Annunciation, Harvard and Norfolk Sts., Cambridge.

The Cathedral, Washington and Union Park Sts., Boston.

St. Cecelia, Belvidere and St. Cecelia Sts., Boston.

UNITARIAN

Arlington St. Church, corner Arlington and Boylston Sts., Boston. Service 11.00

EMMANUEL CHURCH

15 Newbury St.

Between Arlington & Berkeley Sts.

SUNDAY SERVICES 8, 10.15, 11&4

Emmanuel Club for Students**6:30 P. M.**

Rev. Phillips Endecott Osgood

D. D., L. H. D.

Rev. Lloyd R. Gillmett

Tel. Kenmore 3355

Rev. Ivol Ira Curtis

KING'S CHAPEL

(1686)

School and Tremont Streets

Boston

Rev. Palfrey Perkins, Minister

Sunday, 11.00 A.M. Morning Prayer

Sunday, 6.30 P.M. Students' Club at

27 Marlborough Street

**The Huntington Ave. Branch
of the Boston Y.M.C.A.**Extends full recreation and health
privileges to members of the
Technology Christian Association
at special ratesCall at **316 Huntington Ave.****KENmore 7800**

A. M. Open Hearth Club (bi-weekly) 6.30 P. M.

Harvard St. Unitarian Church, corner Harvard and Hancock Sts., Cambridge. Service 11.00 A. M.

First Church, in Cambridge. Harvard Square. Service 11.00 A. M. Junior Parish 6.30 P. M.

First Church in Boston, Berkeley and Marlborough Sts. Service 11.00 A. M. 1630 Club (bi-weekly) 7.30 P. M.

Second Church in Boston, Beacon St. and Audubon Road. Service 11.00 A. M. Emerson Guild (bi-weekly) 6.30 P. M.

Kings Chapel, School and Tremont Sts., Boston. Service 10.45 A. M. Freeman Club 7.30 P. M.

UNIVERSALIST

Church of the Redemption, Boylston and Ipswich Sts., Boston. Service 10.45 A. M.

JEWISH

Temple Israel, Commonwealth Avenue, Boston, at Kenmore Square. Saturdays 10.30 A. M., Sundays, November through May 31, at 11.00 A. M.

Beacon St. Temple, Beacon corner Kent St., Brookline. Fridays at 8.00 P. M., Saturdays at 11.00 A. M.

Congregation Mishkan Tefila, Seaver St. and Elm Hill Ave., Roxbury. Saturdays at 8.45 A. M., Fridays at 8.00 P. M.

Old South Church IN BOSTON

COPLEY SQUARE

Rev. Russell Henry Stafford
D.D., Minister

Rev. Daniel Bliss
Associate Minister

Donald H. Rhoades
Secretary for Student Work

SUNDAY

- 11.00 a.m. Worship service with sermon
9.45 a.m. Young People's Division of
the Church School
5.30 p.m. **Student Group**
Supper served at 25 cents
each
6.30 p.m. **Student Group Discussion
Meeting**
4.30 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 5.15 p.m. Sundays.

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 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 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 Freshman, 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 Tau Omega. 37 Bay State Road, Boston. Founded 1865 at Virginia Military Institute, Beta Gamma Chapter. Established 1885. 93 chapters. William W. Towner, President. Commonwealth 8029.

Beta Theta Pi. 241 Kent Street, Brookline. Founded 1839 at Miami University. Beta Upsilon Chapter. Established 1913. 86 chapters. Norman G. Bull, President. Longwood 8409.

Chi Phi. 22 The Fenway, Boston. Founded 1824 at Princeton University. Beta chapter. Established 1890. 35 chapters. Harry B. Hazelton, Jr., President. Kenmore 4187.

Delta Kappa Epsilon. 403 Memorial Drive, Cambridge. Founded 1844 at Yale University. Sigma Tau chapter. 48 chapters. Marshall M. Holcombe, President. Eliot 8150.

Delta Psi (Number Six Club). 428 Memorial Drive, Cambridge. Founded 1847 at Columbia University. Tau chapter. Established 1889. 9 chapters. John D. Gardiner, President. Kirkland 0666.

Delta Tau Delta. 255 St. Paul Street, Brookline. Founded 1859 at Bethany College. Beta Nu chapter. Established 1899. 75 chapters. Walter K. MacAdam, President. Longwood 8614.

Delta Upsilon. 526 Beacon Street, Boston. Founded 1834 at Williams. Technology Chapter. Established 1891. 59 chapters. Jervis C. Webb, President. Commonwealth 8124.

Kappa Sigma. 33 Bay State Road, Boston. Founded 1869 at University of Virginia. Gamma Pi chapter. Established 1914, 107 chapters. J. B. Schliemann, President. Commonwealth 8501 and 9401.

Lamba Chi Alpha. 441 Beacon Street, Boston. Founded 1909 at Boston University. Lambda chapter. Established 1912. 86 chapters. Earl D. Fraser, President. Commonwealth 9102.

Phi Beta Delta. 71 Bay State Road, Boston. Founded 1912 at Columbia University. Theta chapter. Established 1920. 32 chapters. Edwin A. Kass, President. Commonwealth 7775.

Phi Beta Epsilon. 400 Memorial Drive, Cambridge. Founded 1890 at Technology. Local. Trowbridge 2341.

Phi Delta Theta. 326 Bay State Road, Boston. Mass. Gamma chapter. 106 chapters. Fred A. Prahl, Jr., President. Longwood 8798.

Phi Gamma Delta. 28 The Fenway, Boston. Founded 1848 at Washington and Jefferson College. Iota Mu chapter. Established 1899. 73 chapters. Elwood H. Koontz, President. Commonwealth 8048.

Phi Iota Alpha. 471 Beacon Street, Boston. Founded 1921 at Rensselaer Polytech-

nic Institute. Gamma chapter. Established 1932. 11 chapters. Kenmore 2892.

Phi Kappa. 278 Commonwealth Avenue, Boston. Founded 1889 at Brown University. Eta chapter. Established 1918. 23 chapters. Daniel B. M. Finucane, President. Circle 8468.

Phi Kappa Sigma. 530 Beacon Street, Boston. Founded 1850 at University of Pennsylvania. Alpha Mu chapter. Established 1903. 37 chapters. Webster H. Francis, Jr., President. Commonwealth 8630.

Phi Mu Delta. 330 Bay State Road, Boston. Founded 1918 at University of New Hampshire. Nu Delta chapter. Established 1922. 16 chapters. David J. Gildea, President. Longwood 8996.

Phi Sigma Kappa. 487 Commonwealth Avenue, Boston. Founded 1873 at Massachusetts Agricultural College. Omicron chapter. Established 1902. 48 chapters. Arthur E. Wells, Jr., President. Circle 8093.

Sigma Alpha Epsilon. 484 Beacon Street, Boston. Founded 1856 at University of Alabama. Mass. Iota Tau chapter. Established 1892. 110 chapters. Thomas Curtiss Torrance, President. Commonwealth 7762.

Sigma Alpha Mu. 83 Egmont Street, Brookline. Founded 1909 at College of the City of New York, Xi chapter. Established 1917. 35 chapters. Murray M. Waxman, Jr., President. Longwood 4288.

Sigma Chi. 532 Beacon Street, Boston. Founded 1855 at Miami University. Alpha

Theta chapter. Established 1882. 96 chapters. James B. Allen, President. Commonwealth 8095.

Sigma Nu. 259 St. Paul Street, Brookline. Founded 1869 at Virginia Military Institute. Epsilon Theta chapter. Established 1922. 97 chapters. Robert J. Lutz, President. Longwood 9083.

Theta Chi. 528 Beacon Street, Boston. Founded 1856 at Norwich University. Beta chapter. Established 1902. 50 chapters. Scott Rethorst, President. Kenmore 3249.

Theta Delta Chi. 314 Memorial Drive, Cambridge. Founded 1847 at Union College. Theta Deuteron chapter. Established 1900. 28 chapters. Frank L. Phillips, President. Eliot 9809.

Theta Xi. 66 Bay State Road, Boston. Founded 1864 at Rensselaer Polytechnic Institute. Delta chapter. Established 1885. 35 chapters. Charles M. Graves, President. Commonwealth 8614.



CONSTITUTION



G. TRIMBLE

CONSTITUTION

of the

Massachusetts Institute of Technology
Undergraduate Association

Preamble

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

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

CONSTITUTION**ARTICLE I****Name of Organization**

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

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**The 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 acts 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. 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. Athletic Association
- Musical Clubs
- Tech Show
- Technique

Technology Christian Association
The Tech
Voo Doo
Tech Engineering News
Combined Professional Societies
Walker Memorial Committee
Budget Committee
Elections Committee
Commuters' Association
Interfraternity Conference

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 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.

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 by publication or posting at least thirty (30) days before the day set for voting; two-thirds of the votes cast shall be necessary to adopt the same, provided twenty-five (25) per cent 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.

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; the three delegates of the Freshman Council; 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 officers 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 constitution and by-laws of that organization. No person may become a member of The Institute Committee without submitting written credentials from the organization which he represents. In case the official representative of an organization cannot be present at a meeting of The Institute Committee, the Committee may seat a substitute who shall have a written authorization signed by the absent member or by the organization which he represents.

ARTICLE IV

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

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 or subcommittees 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. The Secretary shall further send a list of all elections and appointments that have been approved by the Institute Committee subject to the approval of the Walker Memorial Committee to the Walker Memorial Committee immediately after each meeting of th Institute Committee.

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

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

Section 4. Roberts' Rules or Order shall cover all procedures of this Committee except those covered by the Constitution and By-Laws.

ARTICLE VII

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

ARTICLE VIII

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

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

Section 3. If the full representation of any organization is not present at two consecutive meetings of The Institute Committee, and if any organization has consecutively two proxies and an absence in any order, that organization shall forfeit its rights to representation on the Committee, which representation shall not be granted until The Institute Committee has been in receipt of a formal petition from the organization giving due assurance that

such absence shall not recur, and shall have passed on this petition in accordance with Article IX, Section 3, of these By-Laws.

ARTICLE IX

Section 1. To be granted representation on The Institute Committee, an organization must have existed one and one-half calendar years, and must either have had a minimum of fifty (50) students (50) 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:

Alpha Chi Sigma
Armenian Club
Baton
Beaver Club
Beaver Key Society
Benchmark
Boat Club
Catholic Club
Chi Epsilon
Chinse Students' Club
Christian Science Organizations
Cleofan
Dorclan
Dorm Dinner Club
Drama Shop
Frieze and Cornice
Grogo
Hexalpha
Liberal Club
Masque
Menorah Society
Osiris
Quadrangle Club
Radio Society
Scabbard & Blade
Scroll
Tau Beta Pi
Track Club
Unity Club
Walker Club
Woopgaroo

ARTICLE XI

There shall be three classes of sub-committees of The Institute Committee; all of



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which shall submit formal reports except that temporary committees may submit informal reports when authorized by the President of The Institute Committee, and that the Senior Week Committee shall submit financial reports and may submit the minutes of its meetings and the meetings of its sub-committees. The reports of the committees in section a, b, and c shall be submitted to The Institute Committee at its second meeting after the sub-committee ceases to function. The Senior Week Committee shall submit its report at the third 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:

1. Budget Committee
2. Elections Committee
3. Walker Memorial Committee
4. Field Day Committee
5. Junior Prom Committee
6. Senior Week Committee
7. 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 four of these committees: the All-Tech Smoker Committee, the Senior Ring Committee, Senior Dance Committee, and Freshman Rules Committee.

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

ARTICLE XII

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

BUDGET COMMITTEE

ARTICLE I

The name of this Committee shall be The Budget Committee.

ARTICLE II

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

ARTICLE III

Section 1. This Committee shall consist of a Chairman, who shall be the ex-officio Treasurer of The Institute Committee, and of three associates, one of whom shall be the Treasurer of the M. I. T. Athletic Association, and two other members chosen from the Junior Class, and shall further consist of the Bursar of the Institute in an advisory capacity.

Section 2. The Chairman shall be a senior elected by the Executive Committee of the Institute Committee subject to the ratification of the Institute Committee at the first meeting of that Committee following class elections. The two junior members of the Budget Committee shall be elected by The Executive Committee of The Institute Committee. One member shall be elected subject to the ratification of The Institute Committee, at the second meeting of that Committee following the class elections. The other member shall be elected subject to the ratification of the Institute Committee at the first meeting of that Committee in the fall term.

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 receive a budget at least two weeks before all expenditures from undergraduate organizations receiving money from The Undergraduate Dues.

3. 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

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have been approved by The Budget Committee. The Chairman of the Budget Committee shall pay no bill that has not been authorized by the Chairman of the Committee contracting the bill.

4. To submit copies of all approved budgets of athletic organizations spending money of the undergraduates' dues to the Treasurer of the M. I. T. Athletic Association.

5. 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.

6. To receive and permanently file financial reports of Group A and B activities at the end of the fiscal year of each, such annual reports to be received not later than the second meeting of The Institute Committee following the close of the fiscal year of each activity. If an auditor's report is made for an activity by a certified public accountant, The Budget Committee shall receive a copy of that report in place of the treasurer's report. A fine of five dollars (\$5.00) shall be imposed for each late report.

7. To receive and permanently file monthly operating statements and balance sheets from the M. I. T. A. A., Musical Clubs, T. C. A., Technique, T. E. N., The Tech, and Voo Doo. A fine of one dollar shall be imposed for each report filed la-

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ter than the fifteenth of the month following that for which it is compiled.

8. The annual dues for each organization coming under the jurisdiction of The Budget Committee shall be one dollar (\$1.00) payable January first, except that organizations financed by The Undergraduate Dues shall pay no dues to The Budget Committee. A fine of five dollars (\$5.00) shall be imposed for late payment of dues.

9. For the purpose of defining the groups of activities mentioned in Section 6, such grouping shall be as follows:

GROUP A

The Institute Committee
The four classes
M. I. T. Athletic Association
Musical Clubs
Technology Christian Association
Technique
Tech Show
Tech Engineering News
The Tech
Voo Doo

GROUP B

Aeronautical Engineering Society
Associated General Contractors of America, MIT Br.
Chemical Society
Civil Engineering Society
Combined Professional Societies
Commuters' Association
Corporation XV

Dormitory Committee
Gridiron
Interfraternity Conference
M. I. T. Branch A. I. E. E.
M. I. T. Branch A. I. M. E.
M. I. T. Post Army Ordnance Asscn.
Mechanical Engineering Society
Naval Architecture Society
Physical Society
Sedgewick Biological Society
Society of Automotive Engineers

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 The 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 Committee subject to the ratification of The Institute Committee at the first 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

The Institute
Yearbook

E

Competition open
to freshmen

H

Now is your
chance

I

Quickly
sign up

Work in the
Art, **L**iterary
and
Business **D**ivisions

U

E

Room 309
Walker **M**emorial

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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, Junior Prom Committee, Senior Week Committee, and Senior Class Marshalls elections shall be by the 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 by members of his own class for but a single office in the class in which he is a voter except that only those who were members of the graduating class in

their junior year shall be eligible for election to the Senior Week Committee.

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

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

(Sponsors' signatures)

I hereby accept the nomination.

(Signature of nominee)

For all class elections there shall be the signatures of twenty-five (25) sponsors on the nomination blank, and no individual may sign the nomination blank of more than one candidate for any office. For the election of the Junior Prom Committee there shall be the signatures of twenty-five (25) sponsors on the nomination blank. For the election of the Senior Week Committee there shall be the signatures of ten (10) sponsors on the nomination blank.

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

Nominees are requested, but not required, to submit to the Elections Committee the following material along with their nominations:

- 1) Cumulative rating
- 2) Residential group
- 3) Activity record at M. I. T. (in tabular form)

4) A full face photograph of the standard dimensions, 4 x 5 inches

Nominees for the Senior Week Elections are exempt from this ruling.

Section 6. Nomination papers must be deposited in a locked box provided for the purpose between the hours of 9 A. M. on 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 (1 1-2) 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 (24) hours before the opening of the poll. The ballots required for mailing shall be in the possession of the Chairman by three P. M. on the Saturday preceding the day of elections.

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

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

(a) The Freshman Council elections shall be held on the Wednesday of the third week of the first term and again on the Thursday of the second week of the second term. Nominations shall be held two days in advance. Further nominations will be in order at the time of the elections.

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

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

(d) The annual spring class elections shall be held on the first, second or third Wednesday in April.

Section II. 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 5.20 P. M.

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

Voting by mail shall be allowed for all students in courses which require their attendance at places other than M. I. T. at the time of the elections. Ballots for this voting shall be sent by the Chairman of

The Elections Committee by six P. M. on the Saturday preceding the day of elections to those men who have sent a written request to the Chairman of The Elections Committee for the same before that time. All such ballots must be returned to the Chairman of The Elections Committee by five-thirty P. M. on the day of elections. All ballots received after this hour shall be void.

There shall be no voting by proxy.

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

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

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

The counting 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 except that the Chairman shall transmit the complete results of the elections to the President of the Senior Class as soon as the results are determined.

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 which shall not conflict with any part of the Constitution of the Undergraduate Association or its accompanying By-Laws.

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

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

Voting

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

Counting by Preferential System

Provide a tally sheet containing the names of the candidates on the left, with columns to the right of the names.

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

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

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

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

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

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

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

Section 20. Three candidates are to be elected as Class Day Marshals and twenty 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.

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 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 demonstrations 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."

SENIOR WEEK COMMITTEE CONSTITUTION

ARTICLE I

The name of this committee shall be the Senior Week Committee.

ARTICLE II

The purpose of this committee shall be to arrange and conduct Senior Week.

ARTICLE III

Section 1. This committee shall consist of twenty seniors elected by the Senior Class at a regular election conducted by the Elections Committee before the end of the fifth week of the second term.

Section 2. This Committee shall be a sub-committee of the Institute Committee and shall be responsible to it.

ARTICLE IV

Section 1. The Executive Committee of the Institute Committee shall appoint a Junior member to the Senior Week Committee prior to the Senior Week Committee elections.

Section 2. The Junior Member shall keep all accounts, receive and deposit all

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includes extra-curricular
activities

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with ♡●●●●●●●●

The comic monthly



Can you write or draw
a little ?

or do you have
business ability

Why not meander around to
303 Walker Memorial and see
'Phos

The  Cat

income, and shall pay out all moneys as directed by the Executive Committee of Senior Week Committee.

Section 3. The Junior Member shall further keep a record of the order and arrangement of all events, the attendance at each, and all printed material pertinent to Senior Week.

Section 4. The Junior Member shall in the following fall, after all bills have been paid and the \$300 returned to the class treasury, divide the remaining assets amongst the members of the Committee and return it to them.

Section 5. The Junior Member shall not share in the profit or loss of the Committee during his Junior year.

Section 6. The Junior Member shall submit a formal report at the third meeting of the Institute Committee in the fall. This report shall contain all budgets, income and expense records and a profit and loss statement. It shall also contain a detailed account of each function, minutes of all meetings of the Senior Week Committee and Executive Committee of the Senior Week Committee as well as copies of all the literature, announcements, tickets, etc., having to do with Senior Week.

Section 7. The Junior Member in his Senior year shall automatically be a member of the executive committee of the Senior Week Committee, as well as in his Junior year.

ARTICLE V

Section 1. The Executive Committee shall consist of the Chairman, Secretary, Member-at-Large; President of Senior Class, last year's Junior member and this year's Junior member shall be ex-officio members.

Section 2. If the Junior Member of last year is elected Chairman or Secretary, another member-at-large shall be elected to the Executive Committee.

ARTICLE VI

Section 1. The President of Senior Class shall preside at the first meeting of the Senior Week Committee to be held within two weeks after the approval of the elections.

Section 2. At this meeting a chairman, a secretary, and member-at-large shall be elected by those present from amongst those present.

ARTICLE VII

The Committee shall attend all functions of Senior Week free of charge.

ARTICLE VIII

Section 1. The Committee shall borrow an amount not exceeding \$300 from the Class treasury to be used as an operating fund.

Section 2. The Committee shall share evenly amongst themselves all profits remaining after all expenses have been paid and the full amount borrowed from Class treasury has been returned.

Section 3. The Committee shall share evenly amongst themselves all debts remaining after the \$300 borrowed from Class treasury has been used.

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 and at least four associates who shall be chosen by the Executive Committee, subject to the approval of the Institute Committee.

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 co-operative relations between students and instructing staff.

THE WALKER MEMORIAL COMMITTEE

ARTICLE I

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

ARTICLE II

Section 1. The purpose of this Committee shall be to regulate the Walker Memo-

rial Building and Naval Hangar Gym and 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 ex-officio a member of The Institute Committee and The Executive Committee of The Institute Committee and six (6) other associates. The Chairman shall be a member of the Senior Class. The remainder of the Committee shall consist of two (2) members of the Junior Class and four (4) of the Sophomore Class.

Section 2. At the first meeting of The Executive Committee of The Institute Committee following spring class elections, the Executive Committee of The Institute Committee shall elect subject to the ratification of the Institute Committee a chairman of the Walker Memorial Committee for the coming year. The retiring Chairman of the Walker Memorial Committee shall also recommend at this time, for election to The Walker Memorial Committee, the names of two (2) members of the Sophomore Class who become Junior members of The Walker Memorial Committee, and who shall be voted upon in the same manner as the Chairman.

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 (4) Sophomores subject to the ratification of The Institute Committee.

ARTICLE IV

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

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

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

3. To assign all rooms of The Walker Memorial Building 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 the 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 (1) week previous to date of function. Failure to do so shall incur a fine of five dollars (\$5.00).

5. To levy a fine of one dollar (\$1.00) on any organization which holds a meeting in the Walker Memorial Building or Naval

Hangar Gym unauthorized by The Walker Memorial 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.

7. To approve all elections and appointments according to the provisions hereinafter provided under the Point System.

ARTICLE V

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

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

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

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

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

Memorial and Naval Hangar Gym Committee.

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

6. To cooperate with the Dean, the Superintendent of Buildings and Power, 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 and to enforce and regulate the Point System.

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

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 Walker Memorial Committee and approved by The Executive Committee.

Section 3. No Senior may be allowed to carry more than twelve (12) points and no Junior, Sophomore, or Freshman may be allowed to carry more than ten (10) 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 the specified permit.

Section 4. 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.

Section 5. 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 Walker Memorial Committee and unless the report of the organization's elections is signed by the Chairman of The Walker Memorial Committee.

Section 6. A record of all persons in activities must be kept by The Walker Memorial Committee, and a report made by this Committee at every meeting of the Institute Committee. The Walker Memorial Committee shall hold a meeting of all its members before each meeting of The

Institute Committee and bring all records up to date.

Section 7. Before the close of the tenure of office the members of The Walker Memorial Committee, the points assigned to all positions shall be referred to the Institute Committee for action. Such action is to take effect with the appointment of a new Walker Memorial Committee.

Section 8. To notify the high or preparatory school of any man upon his election or appointment to an office of importance in undergraduate activities.

ARTICLE VII

The points shall be as follows:

Classes

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

M. I. T. A. A.

President	10
Vice-President	2
Secretary	5
Treasurer	9
Junior Assistants	6
Sophomore Assistants	4
Publicity Manager	8
Assistant Publicity Manager	4
Track Manager	9
Sophomore Asst. Mgr. of Track	5
Freshman Asst. Mgr. of Track	4
Crew Manager	9
Sophomore Assistant	5
Freshman Assistant	4

		Soph. Ass't	Fresh. Ass't
Basketball Manager	7	4	3
Swimming Mnaager	7	4	3
Soccer Manager	6	4	3
Hockey Manager	6	4	3
Wrestling Manager	6	4	3
Tennis Manager	6	4	3
Boxing Manager	6	4	3
Gym Manager	6	4	3
Lacrosse Manager	6	4	3
Rifle Manager	5	3	2
Golf Manager	5	3	2
Fencing Manager	5	3	2
Class Team Managers	3		
Field Day Football Mgr.	3	1	1
Intramural Baseball Mgr.	3		

The Tech

General Manager	10
Editor	9
Managing Editor	9
Business Manager	9
Editorial Board	5
Assistant Editors	7
Business Associates	7
Staff Writers	5
Associate Adv't Manager	5
Staff	3

Technique

General Manager	10
Editor	9
Business Manager	9
Managing Editor	7
Art Editor	7
Features Editor	7
Departments Editor	7
Advertising Manager	7
Treasurer	7

Publicity Manager	7
Photographic Manager	7
Sophomore Assistants	5
Staff	3

Tech Show

General Manager	10
Business Manager	9
Treasurer	5
Costume Manager	5
Chorus Rehearsal Manager	5
Company Manager	5
Lighting Manager	5
Advertising Manager	5
Publicity Manager	5
Scenic Director	5
Stage Manager	5
Director of Music	6
Staff Members	3

Voo Doo

General Manager	10
Managing Editor	9
Business Manager	9
Treasurer	7
Advertising Manager	7
Circulation Manager	7
Publicity Manager	7
Literary Editor	7
Art Editor	7
Assistant Editors	3
Exchange Editor	5
Business Associates	3

The Tech Engineering News

General Manager	10
Editor-in-Chief	9
Business Manager	9
Treasurer	7
Circulation Manager	7
Advertising Manager	7

Managing Editor	7
Associate Editors	7
Contributing Editor	5
Technical Editor	5
Assistant Editor	5
Ass't Managing Editor	5
Research Editor	5
Digest Editor	5
Associate Advertising Manager	5
Assistant Treasurer	5
Ass't Circulation Manager	5
Publicity Manager	5
Ass't Advertising Manager	5
Personal Manager	5
Staff	3

Gridiron

Treasurer	5
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Combined Musical Clubs

General Manager	10
Concert Manager	9
Business Manager	6
Publicity Manager	7
Treasurer	7
Personnel Manager	6
Stage Manager	6
Banjo Club	5
M. I. T. Orchestra	5
Glee Club	5
Sophomore Assistants	4
Freshman Assistants	2
Members of the Various Clubs	2

The Technology Christian Association

President	10
Vice-President	4
Treasurer	7
Division Managers	6
Ass't to Division Manager	4

Walker Memorial Committee

Chairman	10
Junior Members	7
Sophomore Members	5

The Budget Committee

Chairman	10
Members	8

Elections Committee

Chairman	5
Members	1

Dormitory Committee

Chairman	8
Treasurer	4
Secretary	3
Hall Chairman	2
Members-at-Large	1
Dance Committee	
Chairman	4
Members	1
Freshman	
Chairman	2
Open House & Tea	
Chairman	2
Dorm Rumor	
Editor	3
Staff	1
Publicity	
Chairman	2
Athletics	
Chairman	3
Managers	1

5.15 Club

President	8
Vice-President	2
Secretary	3
Treasurer	4
Members-at-Large	1

Room Committee Chairman	3
Activities Com. Chairman	2
Budget Chairman	2
Publicity Chairman	2
Athletics Chairman	2
Dance Committee Chairman	2
Smoker Committee Chairman	2
Members of Committees	1
Senoir Ring Committee	
Chairman	3
Secretary	2
Professional Societies	
President	5
Vice-President	2
Secretary	2
Treasurer	2
Members of Governing Boards, Directors, etc.	1
Combined Professional Society Executive Committee	
Chairman	4
Secretary	2
Treasurer	2
Members	2
Clubs and Societies	
President	3
Vice-President	1
Secretary	1
Treasurer	1
Interfraternity Conference	
Secretary	2
Treasurer	2

ARTICLE VII

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.

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 the Freshmen Council, the Freshman Class shall be under the supervision of the Field Day Committee.

ARTICLE IV

Section 1. The officers of the class, with the exception of the Freshman Class, shall consist of a President, Vice-President, Secretary-Treasurer, 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.

Section 2. The Freshman Class shall be organized in accordance with Article V A.

ARTICLE V

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

Section 2. The Vice-President shall assume the duties of President in case of the latter's disability, absence, or resignation.

Section 3. The Secretary-Treasurer 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. He shall be responsible for the disbursement of all moneys of the class. He shall deposit all money of the class with the Treasurer of The Institute Committee and shall sign all requisitions for the expenditures of such moneys. He shall prepare a budget for all the 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 4. The Executive Committee shall have the power to appoint such committees as it deems necessary.

Section 5. The Executive Committee shall have the power to fill vacancies occurring within itself, subject to the ratification of The Institute Committee.

ARTICLE VA

Section 1. The Freshman Council shall consist of one representative from each section of the class. The President of the Junior Class shall be chairman of the Freshman Council. There shall be no Executive Committee.

Section 2. The purpose of the Freshman Council shall be to handle all appropriate matters in connection with Field Day, to assist in the placement of freshmen in student activities, and to attend to other class business. The Council shall meet at least once a month.

Section 3. The President of the Junior Class shall preside over all meetings of the Freshman Class and the Council, and shall be ex-officio member of all committees in the class previous to the election of regular officers in April. He shall countersign all requisitions issued by the class and shall submit monthly reports of the activities of the class to the Institute Committee.

Section 4. At its second meeting in the first term and at its first meeting in the second term, the Council shall elect three delegates to the Institute Committee, one of whom shall act as Secretary-Treasurer of the Council.

Section 5. The duties of the Secretary-Treasurer shall be as prescribed in Article V, Section 3.

ARTICLE VI

Section 1. Class meetings shall be called by the President, Executive Committee, the Chairman of the Freshman Council, or by the written request to the President signed by thirty (30) members of the class.

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

ARTICLE VII

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

Section 2. The members of the Freshman Council shall be elected during the third week of the first term and again during the second week of the second term. There shall be one man and an alternate elected from each section under the auspices of the Elections Committee.

ARTICLE VIII

Section 1. 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

Section 1. In case of dispute, the correct interpretation of this Constitution shall be determined by The Institute Committee.

ARTICLE X

Section 1. This Constitution will automatically become the constitution of every class upon its registration at The Institute.

ARTICLE XI

Section 1. A two-thirds vote of The Executive Committee shall be necessary to amend this Constitution, subject to the approval of The Institute Committee.

ARTICLE XII

The following regulations shall apply to all class dances with the exception of the Junior Prom or a function held in connection with Senior Week.

Section 1. The members of the Executive Committee shall automatically be members of the class dance Committee. They may, if they desire, appoint additional members to the Dance Committee, subject to the approval of the Institute Committee.

Section 2. The chairman of the Dance Committee shall be chosen by the members of the Dance Committee.

Section 3. The Chairman of the Dance Committee must present a budget of expenses to the Budget Committee, for approval and supervision, not less than two weeks before the date of the dance. He shall also present to the Budget Committee a complete financial report not later than two weeks after the date of the dance.

Section 4. No members of the Dance Committee may make a profit from the dance as individuals. All profits shall be turned over to the class treasury. If a class dance is operated under the above regulations, any losses which it sustains may be withdrawn from the class funds.

CALENDAR For 1935-1936**September**

- 27-30—Freshman Camp
- 30—Registration Day
- 30—All-Tech Smoker

October

- 2—T. E. N.
- 3—Institute Committee Meeting
- 7—Voo Doo
- 11—Catholic Club Dance
- 12—Columbus Day
- 17—Institute Committee Meeting
- 31—Institute Committee Meeting

November

- 1—Field Day
- 1—Field Day Banquet
- 1—Dorm Dance
- 4-8—T. C. A. Drive
- 6-7—Nominations
- 8—Catholic Club
- 11—Armistice Day
- 12-23—Senior Ring Sales
- 12—Voo Doo
- 13—T. E. N.
- 13—Elections
- 14—Institute Committee Meeting
- 28—Thanksgiving Day

December

- 5—Institute Committee Meeting
- 6—Musical Clubs
- 9—Voo Doo
- 11—Senior Ring Delivery
- 11—T. E. N.
- 13—Dorm Dance
- 19—Institute Committee Meeting
- 22-Jan 1 inc.—Christmas Vacation

January

- 6—Voo Doo
- 8—T. E. N.
- 9—Institute Committee Meeting
- 10—Senior Dance
- 23—Institute Committee Meeting
- 27-Feb. 1—Examinations

February

- 1-8—Mid Year Recess
- 10—Registration Day
- 10—Voo Doo
- 12—T. E. N.
- 13—Institute Committee Meeting
- 14—Dorm Dinner Dance
- 21—Musical Clubs
- 27—Institute Committee Meeting
- 27—Senior Week Nominations

March

- 4—Senior Week Elections
- 9—Voo Doo
- 11—T. E. N.
- 12—Institute Committee Meeting
- 13—Junior Prom
- 11-12-14—Tech Show
- 26—Institute Committee Meeting

April

- 3—Walker Student Staff Dance
- 6—Voo Doo
- 8—T. E. N.
- 9—Institute Committee Meeting
- 10—Dorm. Dance
- 15-16—Nominations
- 18-22—Spring Recess
- 24—Musical Clubs
- 29—Elections
- 30—Institute Committee Meeting

May

- 1—Dorm. Dance
- 7—Institute Committee Meeting
- 8—I. F. C. Dance
- 11—Voo Doo
- 13—T. E. N.
- 21—Institute Committee Meeting
- 26—Last Class
- 27-June 2—Examinations
- 30—Memorial Day

June

- 9—Commencement Day



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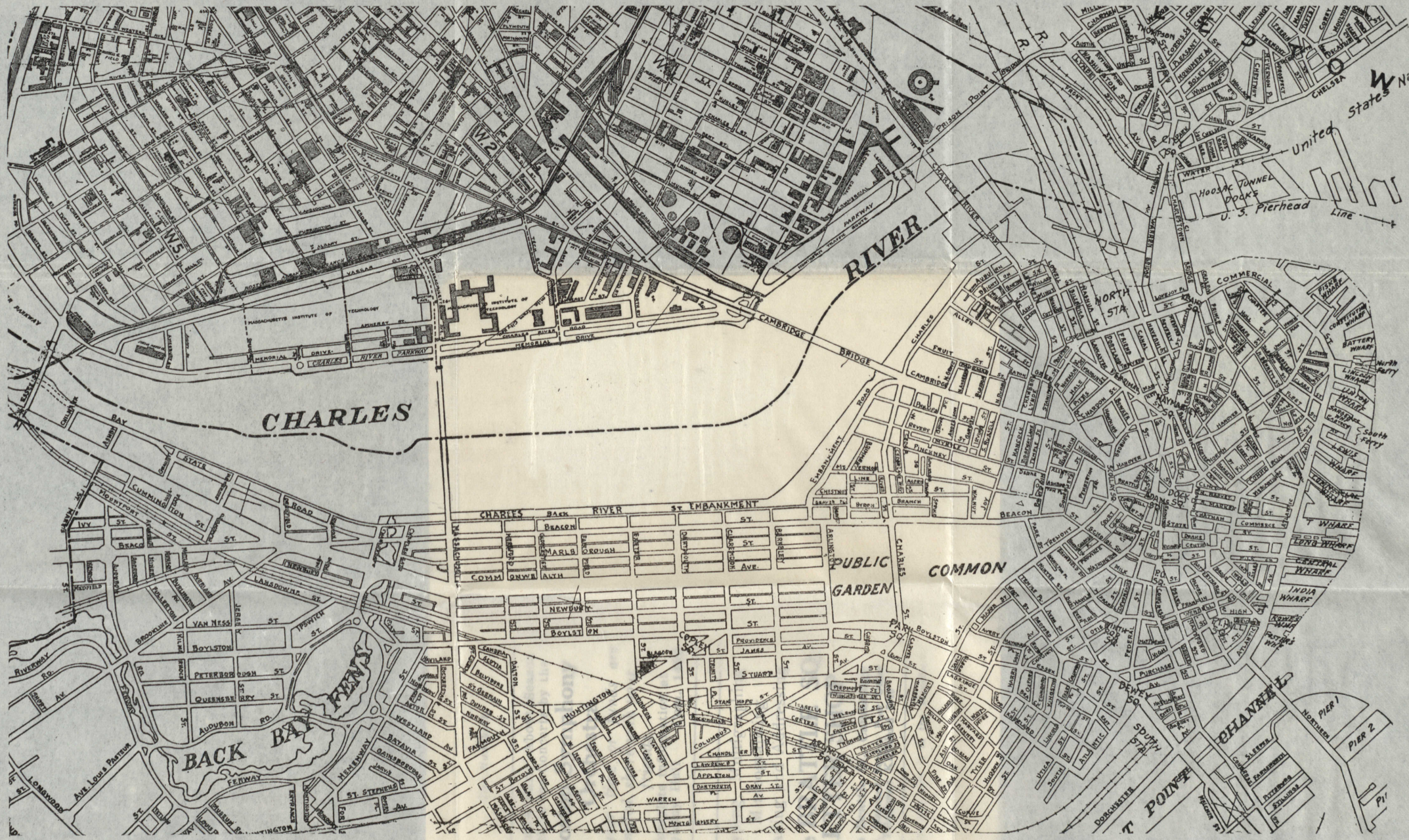
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