



1923-MAL HANDBOOK

OF THE MASSACHUSETTS

INSTITUTE OF TECHNOLOGY

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**Twenty-seventh Annual Edition** 

1923-24

Presented by the Technology Christian Association

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## INSTITUTE CALENDAR

For Academic Year	1923-24	1924-25
Entrance Examinations at Technology begin	Sept. 19	Sept. 24
College Year Begins	Oct. 1	Oct. 6
December Examinations	Dec. 15-21	Dec. 17-23
Christmas Vacation	Dec. 22-Jan. 1	Dec. 24-Jan. 4
	1924	1925
Second Term Begins	Jan. 2	Jan. 5
Final and Condition Examinations	Mar. 10-15	Mar. 16-21
Third Term Begins	Mar. 19	Mar. 25
Spring Recess	April 21-23	April 20-22
Last Exercise, Third Term	May 29	June 5
Final and Condition Examinations	May 31-June 10	June 6-16
Last Examination, Fourth Year	June 3	June 9
Commencement Day	June 10	June 16
Examinations, College Entrance Examination Board Summer Camp Begins	June 16-21 Aug. 5	Aug. 4

Exercises are omitted on the legal holidays of Massachusetts.

MASS. INST. TECH.

## A HISTORICAL SKETCH

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

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

public duty." General Walker was inaugurated as president in 1881. During his administration the Institute grew "from a struggling technical school to a great scientific university." In 1897 Walker died, like Rogers, at his post. At the time of his death there were twelve hundred students, but of far more consequence than the mere growth in numbers, was General Walker's influence upon the intellectual and moral tone of the school. His courage, energy, enthusiasm, and aggressive furtherance of the Institute's plan of education were the main elements in its successful development.

After General Walker's death, Prof. James M. Crafts acted as president for a short period, and upon his resignation, in 1900, Dr. Henry S. Pritchett was called to the presidency. Doctor Pritchett had previously been director of the Coast

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and Geodetic Survey. During his administration the social activities and physical conditions of the Institute were greatly developed.

In 1905 a plan for affiliation between the Institute and Harvard University was carefully considered, but it was finally decided that each institution should be developed independently along its own characteristic lines. Again in 1908, the matter of consolidation came up because of the McKay fund which was donated for the establishment of a technical school at Harvard, and which it was thought might be used to pay Harvard professors at Technology. The Supreme Court finally decided that any such plan would be a violation of the Mc-Kay trust. Consequently, there is no connection whatever between the two institutions except for the School for Public Health Officers, for graduate students.

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

On November 11, 1908, Prof. Richard C. Mac-Laurin, of the Department of Physics at Columbia University, was inaugurated as President of the Institute. In the ten years he was associated with the Institute, he succeeded in raising funds for a larger and greater Technology, attained his idealistic vision with the dedication of the new building at Cambridge in 1916, put the Institute at the service of the Government in the time of war, and then labored for an endowment fund which should leave him free to carry out his plans for more perfect organization for usefulness. Worn out by his successful struggle for money, he died on January 15, 1920. To him, more than to any single man, the world owes the new Institute. All Technology holds in sorrow now, and will hold in enduring pride throughout the future, the memory of Doctor MacLaurin, physicist, lawyer, administrator, intimately associated at previous periods in his career with the academic life of three continents, the self-sacrificing guide of America's greatest scientific school.

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

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

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

## WALKER MEMORIAL

The Walker Memorial is a gift of the Alumni to the undergraduates of Technology to be used as a social and recreational center. It was completed in 1916 at a cost of over half a million dollars, but was only available to the students for a comparatively brief period, having been turned over by the Institute to the United States Naval Aviation Detachment for quarters and executive offices.

The building contains offices for student activities, a large dining room, seating 900 people and three small dining rooms seating 200, 60 and 50 respectively; a library and reading room; a faculty and alumni reading room, and two lounge rooms; a large gymnasium, with locker room and showers; two handball courts and a boxing room; as well as bowling alleys and pool and billiard tables. On the grounds adjoining the Memorial are two baseball diamonds and eight tennis courts.

The government of the building is vested entirely in the hands of students and is administered by a sub-committee appointed by the Institute Committee.

## BOATHOUSE

The M. I. T. Boathouse, originally owned by the B. A. A. was purchased by the Corporation in 1922 and placed at the disposal of the undergraduates for the promotion of interest in rowing. The Building is located on the Charles River, a short distance from the Institute.

The Institute has been constantly increasing the facilities for advancing this sport, so that at present approximately 130 men find a steadily increasing interest in either recreational or competitive rowing.

The facilities, such as showers, lockers, rowing machines, cances and all kinds of shells are for use by all undergraduates both for those interested in competitive rowing under the M. I. T. A. A. and those interested in individual or recreational rowing.

The Boathouse Committee, a subcommittee of the Institute Committee, has charge of the student administration of the Building and equipment.

## M. I. T. ATHLETIC ASSOCIATION RECORDS

Event	Record	Holder	Year
100-yard dash	10 1-5 s	R. S. Franklin	1903
roo-yard dash	101000000000000000000000000000000000000	C. W. Loomis	1915
	FR. TETEDES	T. P. Spitz	1921
220-vard dash	22 s	C. W. Gram	1909
440-yard run	50 3-5 s	A. D. Smith	1920
	「日日を日日子」「日日日日	T. P. Spitz	1921
880-vard run	1 m. 57 s	Garvin Bawden	1921
1-mile run	4 m. 24 4-5 s	R. G. Brown	1915
2-mile run	9 m. 35 3-5 s	F. F. Cook	1915
120-vard hurdles	16 2-5 s	F. L. Ovington	1904
220-vard hurdles	25 4-5 s	G. P. Burch	1899
Shot put.	42 ft. 6 in	F. H. Leslie	1914
Hammer throw	158 ft. 6 in	C. G. Dandrow	1921
Discus throw	127 ft. 1-2 in	W. D. Pinkham	1921
High jump	6 ft. 7-16 in	C. D. Heywood	1893
Broad jump	22 ft. 7 1-4 in	C. S. Reed	1916
Pole vault	12 ft	Nagle	1919
56 pound weight	32 ft. 6 in	C. G. Dandrow	1921

STUDENTS' HANDBOOK

## FACTS ABOUT TECHNOLOGY

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

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

April, 1914 — First run of concrete. Cost of educational buildings now under construction, approximately five million; as planned, seven million.

Total cost of complete plant as planned, ten million.

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

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

Single floor area, 31/2 acres.

Great court, 360 feet square,

Minor courts, 165 feet square,

Buildings about the major court, four stories.

Wings about the minor courts, three stories.

Height of library dome, 150 feet. Area for present educational buildings, 12 acres. Area for future educational buildings, 14 acres.

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

Area of athletic field, 7 acres.

Total grounds, 50 acres.

Entered fall of 1916.

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

Cornerstone of Walker Memorial laid June 2, 1916.

#### ADVICE FOR THE FRESHMEN

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. Do not smoke in the corridors— cigarette

butts strewn around do not add to the beauty of the buildings.

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

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

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

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

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

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

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

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

## THE WORDS OF THE PRINCIPAL TECH SONGS

## A STEIN SONG

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

With a stein on the table And a good song ringing clear.

#### Chorus:

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

Oh, we're all frank and twenty When the spring is in the air; And we've faith and hope a-plenty, And we've life and love to spare; And it's birds of a feather When good fellows get together, With a stein on the table

And a heart without care.

## Chorus:

For we know the world is glorious, And the goal a golden thing,

And that God is not censorious When His children have their fling:

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

## Chorus:

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

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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 lite 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

1 wish that I were back again At the Tech on Boylston Street,

Dressed in my dinky uniform,

So dapper and so neat.

I'm crazy after Calculus; I never had enough,

It was hard to be dragged away so young; It was horribly, awfully tough— Oh! give me some 'Ology, 'Ology,

Oh! give me some 'Ology, 'Ology, tra-la-la-la-

Any old kind of 'Ology, Tra-la-la-la-la-la-la-la-la-la-la-

## Chorus:

Take me back on a special train To the glorious Institute—

I yearn for the inspiration of A Technological toot!—

I'd shun the physical, quizzical Prof., And chapel and all that;-

But how I would love to go again

On a Scientific Bat.

Oh, back to the days that were free from care

In the 'Ology 'Varsity shop, With nothing to do but analyze air In an aneometrical top; Or the differentiation

Of the trigonometric powers Of the constant pi that made me sigh In those happy days of ours.

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

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

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

#### **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!

#### STUDENTS' HANDBOOK

## RETROSPECTION For Optimists and Pessimists

Air: Auld Lang Syne.

Oh TECH as I look back to thee My eyes are filled with tears: I'll ne'er forget the place in which I spent such { happy wretched years }

And as I look upon my life { With fortune at my beck } { Which is a total wreck }

I { bless with all my heart and soul the day } wish that I'd been sent to jail, before } I entered TECH.

The old professors { kind and good } sour and cross } To whom I did recite, How { grieved } they'd be when I would fail, How { glad } when I'd be right.

And as I look (etc.)

The Faculty, their {kindly note} cursed vote} With { joy the fact did state pain I did receive, } Informing me in { friendly } gleeful } tones That I would { graduate. have to leave.} And as I look (etc.)

The things I studied while at TECH {How useful they have been! Such useless, foolish truck!} I've used this knowledge {just two times} {My way in life to win. And each time I got stuck.} And as I look (etc.)

## CLASS OFFICERS

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President	.W. H. Robinson, Jr.
Vice-President	R. C. Eaton
Secretary	
Treasurer	F. G. Hamner
Institute Committee Executive Committee	{C. M. Phelps A. D. Carothers
Executive Committee	$\dots$ { H. B. Kane F. A. Barrett

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President	G. L. Bateman		
Vice-President			
Secretary	C. M. Boardman		
Treasurer			
Institute Committee	E. S. Johnston G. C. Caine		
Executive Committee	. { A. Cole, Jr. B. McKennan		

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President	. D. A. Shepard
Vice-President	K. S. Lord
Secretary	J. Drum
Treasurer	
Institute Committee	{ R. W. Head C. A. Bianchi
Executive Committee	M. M. Greer W. O. Locke

## UNDERGRADUATE ACTIVITIES

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

of the important activities.

### FIELD DAY

During the past twenty years the athletic leadership of the two lower classes has been determined by athletic contests held at FIELD DAY. This does away with the old cane rushes and fight between the freshmen and the sophomores and in their place substitutes a sporting proposition that has proved most successful.

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

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

## M. I. T. ATHLETIC ASSOCIATION

The M. I. T. A. A. consists of the captains and managers of recognized athletic teams at the Institute, together with the Publicity Manager and the three undergraduate members of the Advisory Council on Athletics.

Its object is to promote and supervise athletic interests at Technology.

The managers and assistant managers of all athletic teams are elected by the Athletic Association and are directly responsible to that body.

The M. I. T. A. A. passes upon the expenditures of all the team managers, and officers, awards all class numerals, and passes upon and recommends all other Insignia rewards to the Advisory Council on Athletics, which awards them.

## THE CALUMET CLUB

The Calumet Club was organized in 1922 to replace the Technology Athletic Club. Its membership is open to any member of the undergraduate body, faculty, or alumni. The chief aims of the Calumet Club are to further the athletic spirit and activities at the Institute. During the athletic seasons frequent rallies, for the purpose of giving the different athletic teams a send off to victory, are held in the Main Hall at Walker Memorial under the auspices of the Calumet Club.

## THE TRACK TEAM

Track is Technology's Athletic mainstay, and has been the major sport at the Institute for a long time. The Track year is divided according to the seasons. The preliminary training in the fall is of material aid in developing material for the more active Winter and Spring seasons, and is terminated with a handicap meet on Tech field, which is always entered into with much enthusiasm by the whole squad.

During the winter season, relay teams and individuals participate in the B. A. A., Millrose Athletic Association (New York), American Legion, New York A. C., K. of C., and I. C. A. A. A. A. door meets. Freshman teams compete in the B. A. A., and K. of C. meets and also have dual meets with Andover (Andover) and Worcester (Worcester) Academies.

Last Spring the Varsity schedule included the following outdoor meets: Interclass meet, U. of Maine Dual Meet (Orono), Harvard Dual Meet, Dartmouth Dual Meet (Hanover), N. E. I. C. A. A. (Tech Field), and I. C. A. A. A. (Philadelphia) meets. The Freshman outdoor schedule included the Interclass meet, and trips to Worcester, Andover and Exeter Academies. In addition there was a novice meet held for those not able to make the Varsity or Freshman teams.

Technology has always put a strong team into the field and has produced not a few Intercollegiate champions. This success has been due to a large extent to the interest shown in Track by the undergraduate body. All candidates are welcomed and a squad of over two hundred men is maintained throughout the year.

For those not athletically inclined, there is excellent opportunity for business training in the competition for the position of Manager of Track.

## CROSS COUNTRY

Cross Country is Technology's leading fall sport. It offers a remarkable opportunity for healthful, energetic recreation directed towards the benefit of the individual and Technology's athletics.

The 1922 Varsity season resulted in victories for Technology over the champion Cornell team, Harvard and Dartmouth. The team lost a close decision to Princeton, but placed high in the N. E. I. C. A. A. and I. C. A. A. A. runs.

The Freshman team is a training school for the Varsity team. Its season consists of dual meets with other college Freshmen and preparatory school teams. It also competes in the I. C. A. A. A. A. Freshman run at New York.

## CREW

The aim of Crew has been to benefit as many men as possible by giving large numbers of men enough coaching to row with correct form rather than to concentrate the efforts of the coach on one or two crews.

In the fall, the freshmen and sophomores practice in preparation for the field day race, which occurs on the first Friday in November. Very keen rivalry exists in this field day event. Preliminary to the first race the second eight race is held. The winning first crew and its manager are awarded numerals. Last fall, class crew races were held, the senior crew as winner receiving a pennant donated by Dr. A. W. Rowe. This greatly increased the opportunity for the individual man to receive attention.

In the past spring about 200 men turned out for first practice on the machines, 125 of whom were carried through the season. The number of men who went through the whole season is double that of the previous year. An increase in the number of boats and other facilities made this possible. An augmented coaching staff has done a great deal to improve the quality of rowing.

improve the quality of rowing. The varsity crew had races with the Navy, Syracuse, and Columbia. Races were also secured for the junior varsity with Harvard and Columbia. A 150-Ib. crew raced the Navy and Harvard.

The freshman eight raced Stone, Yale, Huntington and Stone. Other crews such as the ineligible second freshman, and class crews all had races.

The Richards cup with a charm for each member is the goal of the class crews.

There are four places open to the freshmen in the management, the awards being made after a short competition in the fall and spring months.

## SWIMMING

The Swimming Team has made a record within the last eight years which places it among the foremost college teams in the country. The season consists of from eight to twelve dual meets with the fastest university and college teams in the east, including Dartmouth, Yale, West Point, Annapolis, Brown, and other colleges. The call for freshmen and varsity candidates is issued shortly after Field Day, and each candidate is

given individual attention. Previous experience while desirable, is by no means necessary, for some of Technology's best swimmers, divers, and plungers have developed from inexperienced men. Practice is held at the Boston Y. M. C. A. pool on Huntington Ave. The Freshman Team has a schedule of about eight meets with leading academy and college freshman teams. Freshmen may substitute swimming for the regularly required gymnasium work.

## WRESTLING

Wrestling, one of the oldest, has now become one of the important sports at the Institute. Last season the team was very successful, winning the New England Intercollegiate Championship over Brown, Dartmouth, and Harvard. Following this several men won gold medals in championships in the N.E.A.A.U. meet. Dual meets were held with Yale, Harvard, Princeton, Navy, and others.

The Natharvard, Princeton, Navy, and others. Technology is particularly fortunate in having for this year as instructor, "Cyclone Burns," the well-known professional, who so successfully coached the team last season. It is not necessary that men shall have had previous experience, as the coach gives individual instruction to all men. Numerals are awarded to the freshmen team and wTt's to the varsity.

Plans have been arranged for a lively schedule including trips to Princeton and West Point, so all men are urged to come out and participate in a sport which may be substituted for freshman gym and is a great assistance to physical development.

#### THE GYM TEAM

Gym is steadily increasing in popularity as a college sport and especially so at Technology. The success of the past four years makes it apparent that Technology's Gym Team ranks high among college teams. Last year was the most successful season and there is every prospect for greater success during the coming season and several trips are being planned. Last year's schedule included

meets with Harvard, Yale, Princeton, Navy, Dartmouth and U. of P. Four exhibitions were given during the year and men were sent to the Intercollegiate Meet at Annapolis. Practice starts after Field Day and may be substituted for Physical Training. Experience is not necessary.

Three positions on the management are open to Freshmen. Competition starts after Field Day.

## BOXING

Boxing, although one of the Institute's youngest sports, has, in the three years since its establishment become one of our most popular forms of athletics. Last season's varsity and freshmen teams gave very creditable exhibitions and the successful candidates were awarded their insignia. Under Coach Boutelier, the candidate for Boxing will get an excellent opportunity to develop and quicken his mind and body and will find Boxing a real man's sport. Freshman candidates for Boxing are excused from the compulsory Freshman Physical Training. Freshmen are eligible to compete for the position of second assistant manager, with the possibility of becoming manager in their Junior year.

## HOCKEY

The man interested in sports will find in hockey a most attractive proposition. The Varsity schedule includes games with Harvard, Yale, West Point, and many other of the leading colleges. During the season the team takes several trips. Individual and team coaching, given by a professional of high standing, together with practices and games held on both outdoor and indoor rinks, afford an excellent opportunity for development. Hockey should appeal strongly to the Fresh-

Hockey should appeal strongly to the Freshman, as it may be substituted for compulsory gym work during the winter term. An attractive Freshman schedule is arranged with Andover, Exeter, and several other New England teams. The Freshmen are enabled to learn the game and thus greatly increase their future chances of representing the Institute on a Varsity team, while at the same time they may earn their class numerals. The competition for managerial positions is open to all Freshmen. Two Sophomore Assistants are appointed and from these the manager is selected the following year.

Hockey offers an opportunity for physical development for the winning of the Institute Insignia and for a better understanding of one of the most important winter sports.

## BASKET-BALL

Last year basket-ball had one of the most successful seasons of any sport at the Institute, winning twelve out of seventeen games. As a reward for their successful endeavors, four men were granted a straight "T". This is the first time a minor sport has received the coveted insignia. As the basketball season is during the winter there is an excellent opportunity for track and crew men to keep in condition. This is both a freshman and varsity sport, so that a freshman may get proper training before competing for the Varsity team and further more may be excused from physical training.

## TENNIS

Last spring's varsity schedule included matches with Yale, Princeton, Dartmouth, Harvard, William's, Navy, Wesleyan, Rutgers, B. U., Tufts, and Harvard Business School. The season was quite successful. Freshman teams are always a source of material for the varsity and mean much to the team. Freshman teams play Exeter, Andover, and other preparatory schools, as well as freshman teams from other colleges. In the fall an intramural tournament is held, the winner being awarded at T t, as well as having his name inscribed on the Tennis Cup. He also receives a replica of this cup. Outside of its intramural character, this tournament serves as a size-up of the varsity material for the spring.

## THE RIFLE TEAM

The excellent range facilities provided at the Institute for rifle practice have served to make rifle shooting one of the coming winter sports at Technology. Last year the Varsity Team competed in twenty-one dual matches and the National Rifle Association Intercollegiate Championships. The dual matches included teams of excellent repute in the college world, Harvard, Yale, Princeton, University of Pennsylvania, Georgetown, Drexel Institute, Iowa State and University of Washington, being on the schedule. The Freshman team has a similar schedule against the best Freshman and preparatory schools in the country. Institute insignia are awarded to Varsity mem-

Institute insignia are awarded to Varsity members of the team, and numerals to the freshmen. Competition for positions on the managing staff is open to all freshmen and sophomores beginning about the last of December and continuing until the first of April.

## FENCING

Last year the team fenced Harvard, Vale, Bowdoin, Columbia and the Bridgeport Y. M. C. A. and the results of these meets showed the great possibilities for the coming year. By special arrangement with the B. A. A. their coach will also coach Technology's men. Work includes not only the foils, but also the epee and the sabre. There is room on the managerial staff for three. freshman assistants, who will be selected by a competition started soon after the opening of school.

## ASSOCIATION FOOTBALL

Association Football (Soccer), although comparatively new at the Institute, is now firmly established at Technology as a minor sport, and the fourth season has an extremely promising outlook. The varsity schedule includes Dartmouth Harvard, Amherst, Clark, and Springfield Y. M. C. A. College. The freshmen will play Worcester, Andover, and several other teams. Varsity men

#### STUDENTS' HANDBOOK

are awarded a minor sport letter and freshmen their numerals. It may be substituted for the required gym work.

## THE TECH

The Tech has maintained a continuous record of service as the newspaper of Technology since its establishment in 1881. It serves to present the news of the Institute to the student body and faculty in as interesting a manner as possible. It is published three times a week on Mondays, Wednesdays, and Fridays throughout the college year, issuing a four-page paper for regular issues with at least one pictorial supplement a month in addition. Special issues also appear on the occasion of extra collegiate activity such as Field Day and the Junior Prom.

It is the purpose of *The Tech* to provide a worth while, entertaining activity for the members of its staff. A varied field of choice is open to the candidate with opportunities in the news and business divisions. The former covers work as reporters, as actual editors in making up the paper for publication, in editorial writing, and in photographic and art work. The business division includes work along advertising lines, in the treasury department, or in the duties connected with circulation.

Candidates for positions on the staff are welcome at any time, although a regular competition, lasting eight weeks particularly for freshmen, is held at the opening of each fall term. It is intended to make every position render the maximum of interest to its holder and to give each man not merely valuable experience but real enjoyment through contact with affairs otherwise out of his reach.

## TECHNIQUE

*Technique* is the year book of the Institute and forms a permanent record of all the notable events of the Institute year, including a record of sports, activities, publications, etc., and also a portfolio consisting of a photo of each member of the Senior Class.

The book is published by a Senior Managing Board and Junior Board. The Senior Board is composed of Seniors and includes the following positions: General Manager, Business Manager, and Managing Editor. The Junior Board, composed of Juniors, includes the following positions: Advertising Manager, Treasurer, Publicity Manager, Photographic Manager, Literary Editor, Departments Editor, and Art Editor. There is also a staff which consists of Sophomores and Freshmen who compete for positions on the Board.

All Board positions are filled by elections from competitors. Competitions are opened in the fall for freshmen and sophomores very shortly after the opening of school. The positions on the staff, especially in the business end, offer excellent experience and valuable training. The book is first distributed at the Technique Rush, the first event of Junior Week, and at this time, the Board for the next year, chosen from the competitors, is also announced. Twenty copies of the book autographed by the President of the Institute, are given to the winners of the Rush.

## **VOO DOO**

Voo Doo is Technology's monthly humorous publication. During its five years of existence it has grown to be recognized as one of the "big five" among college comics. The management consists of an art department, a literary department, and a business department. Elections to staff and managing board positions are made in April, following a six months competition in all departments.

Voo Doo offers an unusually broad field of activity for those connected with it. Artistic, editorial, humorous, and business ability all find a place on the publication, and the diversity of interest makes the work interesting and valuable. Any undergraduate is eligible for election to the offices on the management and staff. All competitons lead directly to positions of considerable responsibility for capable men,

## THE TECH ENGINEERING NEWS

The Tech Engineering News is the official professional journal of the alumni and undergraduates, and is published monthly throughout the school year. Its purpose is to disseminate news of scientific and industrial interest by publishing articles written by prominent alumni and engineers, the results of original investigations conducted in the Institute laboratories, news of scientific interest, and articles on topics of timely importance.

T. E. N. is the founder of the Enginering College Magazines Associated, which is an association of sixteen engineering magazines of the largest technical schools in the country and it furnishes news, articles, and advertising to the whole group, thus giving it a national sphere of influence. For this reason, the advantages it offers as an activity are large.

The Business Department consisting of the Advertising and Circulation Divisions, offers opportunity to learn salesmanship, interviewing, accounting, and advertising. Valuable training in scientific office management and organization is obtained, due to the fact that the T.E. N. has made a special study in this field. It has prepared an Office Manual which is the text book of the office and which contains the major characteristics of any practical treatise on this subject.

In the Professional Relations, Institute News and Statistics, Publication, and Editorial Divisions, which comprise the Editorial Department, experience can be gained in work of a literary nature, and opportunity is presented both for contact with men who have done big things and for keeping up with the latest developments in science and engineering. The technical details of publication can be learned in the publication Division.

The Publicity Department offers experience in publicity and reporting work inasmuch as publicity is placed in the Boston papers and in technical journals in addition to the display and art work carried on at the Institute.

Elections to the staff are made after open competition. The first call for candidates will be made

soon after the opening of the term. Watch the bulletin boards.

## **TECH HANDBOOK**

This booklet is published annually for the benefit of freshmen and transfers and is distributed at the opening of the fall term. It is intended to acquaint students more thoroughly with Technology and its student activities, to help them to acquire the true Technology spirit, and to provide them with a compact pocket source of information. It is given free of charge to all new men, and those remaining of the 2,000 copies are given upon request to old men.

Competition for the business and editorial staffs starts with the second term. The editorial work furnishes an excellent opportunity to become thoroughly acquainted with Technology's activities, while the business work is a very valuable and interesting experience.

## TECH SHOW

The Tech Show, which is produced each year and played to the undergraduates during Junior Week, is a musical comedy written, staged, acted and orchestrated entirely by undergraduates. It is the largest activity at the Institute, over one hundred and fifty students taking part in its production each year. The itinerary of Tech Show 1923 included Boston, New York, Hartford, and Northampton and it is now recognized as one of the leading college dramatic productions. The profits from the Show are used for various benefits, such as Institute athletics, Technology Christian Association and also for the permanent Tech Show fund.

The Tech Show is one of the large college activities entirely managed by undergraduates. Competitions for positions on the management are started early in the fall, and all the students are allowed to compete. The actual production of the play begins immediately after the Tech Show smoker, which is held during November. At this time a call for candidates for the cast, chorus, and ballet is issued. Competitions for lyrics, music, and program and score cover are held during the first term. The scenery and costumes also designed by undergraduates are chosen by competition and as a result, the most modern ideas in stazing and production are presented each year.

Under Tech Show Management is the M. I. T. Orchestra with a membership of about thirty men. A professional director is employed to coach the orchestra and to conduct the orchestra during the performances.

Tech Show offers the student the greatest variation of opportunities of any activity at the Institute and invites any man who may be interested to drop in at the Show Office and talk over the Show in more detail.

## COMBINED MUSICAL CLUBS

The Combined Musical Clubs of the Institute consist of the Glee, Mandolin, and Banjo Clubs and also the Jazz Band which was started recently and has made a good name for itself during the past season. The Musical Clubs are one of the oldest activities in school, the Glee club having been founded in the fall of 1880.

The personnel of the Musical Clubs varies to some degree each year. When the final cuts are made, there are between twenty-five and thir ty men retained in each club. The total number is in turn cut to about forty for the winter trip. The requirements for admission to the various clubs are simply that the candidate must be a member of the Institute, and must have some ability along musical lines. There is a large opportunity for specialty acts, such as musical solos, or unusual stunts. The date and time for the first try-outs will appear on the bulletin boards during the first week of school.

The management of the clubs consists of the General Manager, Treasurer, Stage Manager, Publicity Manager, and six Sophomore Assistants. The competition for these positions is opened in the fall and continues until the spring.

The Musical Clubs have been on the increase for a considerable time. During the December Vacation, in 1921, they went to Chicago, playing in six Western cities. Last year they went to Philadelphia, Buffalo, Schenectady, and Atlantic City. Local concerts were also given during the fall, winter, and spring terms. The Winter Concert, the largest social event at the Institute during the winter term, was given at the Copley Plaza. The Spring Concert, given at the Hotel Somerset, was one of the greatest successes of Junior Week.

## CHORAL SOCIETY

The Technology Choral Society is a club organized for the purpose of singing high grade music, in line with the strong movement among colleges today for choral singing on a plane higher than that of the traditional college song. Under the excellent leadership of Mr. Stephen Townsend, conductor of symphony choruses in Detroit, Philadelphia, and New York, the club has developed into a body of men capable of executing a repertoire of delightful numbers with marked success; this year's noteworthy season was culminated by the Walker Concert, which received very favorable criticism in the Boston papers.

For its first two years under the management of the Musical Clubs, the Choral Society is now a separate organization with an objective membership of about two hundred. Men with any sort of voice and a desire to take advantage of the excellent training afforded under Mr. Townsend's direction are urged to try out for the club at the beginning of the first term. The quality of individual voice need not be above the average, for Mr. Townsend can be relied upon to develop a very pleasing tone as long as a man is able to sing a scale and hit a note when he hears it played on the piano.

The Club will be trained in a body for six weeks at the beginning of the first term, and at the end of that time the men will be tried in quartets and advised as to their progress and further work.

Plans for this year include several concerts

## STUDENTS' HANDBOOK

in nearby towns, and a concert in either Jordan or Symphony Hall.

## CLEOFAN

Cleofan is a social club including all women students at Technology. Its purpose is to help women students to become better acquainted and to provide activities. Cleofan welcomes new women students to Technology, informs them of the "ins and outs" of the Institute, and tries to make them feel as much at home as possible.

## HONORARY SOCIETIES

Osiris The Beaver Walker Club Woopgaroo

Stylus Baton Scarab Fraternity 
 Masque
 Freize and Cornice

  $K_2$  S
 Triglyph

 Phi Delta Epsilon
 Vectors
 Tau Beta Pi Theta Tau Papyrus The Colonels the server in the server is

## CLUBS

Latin American Club Cosmopolitan Club M. I. T. Post Army Ordinance Association M. I. T. Post Society of American Military Engineers Catholic Club M. I. T. Radio Society Line halonthe antiquest southerne Cleofan Chauncy Hall Club Chauncy Hall Club M. I. T. Chinese Students' Club British Empire Club Rifle Club and have special de liver and special la second Chess Club Menorah Society M. I. T. Chapter Unitarian Laymen's Club Phi Delta Theta Alumni Club of M. I. T. New York Club California Club Norwegian Club Math Club

## PROFESSIONAL SOCIETIES

Civil Engineering Society Mechanical Engineering Society Chemical Society M. I. T. Branch, American Institute of Electrical Engineers Corporation XV Aeronautical Engineering Society Mining Engineering Society Architectural Society Naval Architectural Society Combined Professional Societies

## TECHNOLOGY CHRISTIAN ASSOCIATION

## T. C. A. CABINET 1923-24

Officers and Executive Co	mmitte	ee
President, W.W. Quarles, Jr., '24, 621 Commonwealth Ave., Bostor Vice-President, Denton Massey, '23,		5231
126 Babcock St., Brookline Treasurer, Richard L. Holt, '24,		7212 <b>-</b> W
224 Newbury St., Boston Cabinet Representative, Charles M.	B. B.	5257
Phelps, '24, 106 Sewall Ave., Brookline General Secretary, Wallace M.	Bkline	2680
Ross, 56 Greenough St., Brook- line	Bkline	5158-W
Departments		
Bible Study, L. J. Porter, '23, M. I. T. Dorms Book Exchange, Robert F. Mac-	Univ.	7077
kie, '24, 23 St. Botolph St.,	Copley	6616-I

Boys' Work, Frank R. Shaw, '24 24 Queensberry St., Boston B. B. 8538 Church Relations, Harrison Browning, '25, M. I. T. Dorms Univ. 7077

## STUDENTS' HANDBOOK

Deputations, Charles M. Phelps, '24, 106 Sewall Ave., Brookline	Bkline	2680
Employment Bureau, S. Howell Brown, Jr., '24, 111 Queens- berry St., Boston	B. B.	7940
Foreign Students, GordonWheeler,	D. D.	1049
'24, 37 Bay State Rd., Boston	B. B.	3137
Freshmen Advisers, Rockwell Hereford, '24, 621 Common-		United The
wealth Ave., Boston Freshmen Cabinet, David A. Shep-	B. B.	5231
ard, '26, 28 The Fenway, Bos- ton	B. B.	5921
Handbook, Herbert R. Stewart, '24, 9 Rutland Sq., Boston	Copley	6815-M
Industrial Service, Roscoe E. Swift '24,967 Mass. Ave., Cambridge	Univ	5315-J
Information Bureau, J. Piland, '24, M. I. T. Dorms	Univ.	
Meetings Department, Daniel H.	Univ.	1011
Keck, '24, 484 Beacon St., Bos- ton	B. B.	1935
Publicity Bureau, Anatole R. Gruenberg, '24, 240 Franklin Street, Cambridge		
Room Registry, A. Whitney Rhodes, '24, 255 St. Paul St.,		
Brookline	Bkline	990
Social Department, Geo. E. Parker, '24, 33 Bay State Rd., Boston	B. B.	
Advisory Board	Secretar	General

P. R. Ziegler, '00, Chairman H. S. Ford, Treasurer George B. Haven, '94 Hale Sutherland, '11 Henry P. Talbot, '85

## Purpose

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

## Membership

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

## Organization

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

## History

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

## SERVICE RENDERED BY THE T. C. A. Institute Year 1922-23

1. 1050 Technology men furnished with rooms. 2. 2000 Handbooks distributed containing useful information about M. I. T. and surrounding community.

## STUDENTS' HANDBOOK

3. \$19,000 worth of work given to 237 different men.

4. \$2360 worth of books sold for and to students.

5. 333 Freshmen furnished with advisers.

6. 11 men served weekly in Greater Boston as leaders of Boys' Work.

7. 10 men gave time weekly in factories, etc. to the human side of engineering.

8. 28 in Technology's Delegation at Annual Student Conference, Silver Bay on Lake George, New York, June 14-22.

Bible Study Class conducted January-May.
 Many men furnished entertainment at

Church Clubs, immigrant station, jail, etc.

11. 1900 total attendance at 3-day series of meetings held by Mr. Arthur Nash on "The Golden Rule in Industry."

12. 234 foreign students in the "Stute" from 33 different countries. Special attention shown these men by special department.

13. 16 churches within one and one-half miles radius of Tech furnished with names of students of their denominations. Sunday attendance and young people's work promoted.

14. 9.00-5.00 office open daily in Walker. General Secretary or some person there to be of any assistance to everyone.

## CHURCHES

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

## Baptist

The First Baptist Church in Boston—Commonwealth Ave. and Clarendon St. Morning Service, 10.30; Students' Bible Forum, 12.00; Students' Social Club, 7.30. Social events and weekly hikes. First Baptist Church in Cambridge\*—River St; near Central Square. Morning service, 10.30; Bible School, 12.00; Christian Endeavor, 6.15. Evening service, 7.30. Old Cambridge Bapitst Church\*—Massachusetts Ave. and Harvard St. Morning service, 10.30; Students' Bible Class, 12.00; Christian Endeavor, 7.00.

Tremont Temple—Tremont St., near School St. Services 10.30 and 7.00.

#### **Christian Science**

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

# Congregational

Central Church—Corner Berkeley and Newbury Sts. Morning service, 11.00; Central Club for Students, 7.30.

Mount Vernon Church—Corner Beacon St. and Massachusetts Ave. Service, 11.00; Young People's Social Tea, 6.00; Evening service, 7.45.

Social Tea, 6.00; Evening service, 7.45. Old South Church—Copley Square. Services, 11.00 A.M. and 7.30 P.M.; also from November to April, services on Friday evenings at 8.00.

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

Park Street Congregational Church, corner Park and Tremont Sts. Boston. Morning service, 10,30; Evening service, 7.00.

Pilgrim Congregational Church, corner Cottage and Magazine Sts., Cambridge. Services, 10.30 A.M. and 7.30 P.M.

### Episcopal

Trinity Church in the City of Boston-Copley Square. Morning service, 11.00; Evening prayer and sermon, 4.00.

The Cathedral Church of St. Paul-Tremont at Park St. Station. Services, 11.00, 4.00 and 7.30.

Church of the Advent—Mt. Vernon and Brimmer Sts. Services (Weekdays) 7.30 9.00, 5.00, (Sundays) 7.30, 8.15, 9.00, 10.00, 10.30, 4.00 and 7.30.

### Jewish

Temple Israel—Commonwealth Ave and Blanford St. Services, Saturday 10.30; Sunday, 11.00. College Club 2nd and 4th Tuesdays of every month.

#### Lutheran

St. Mark's English Luteran Church—29 Winthrop St., Roxbury. Morning service, 10.30; Sunday School, 11.45.

Boston Norwegian Lutheran Church—28 Bartlett St., Roxbury. Service, 10.30.

Swedish Lutheran Augustana Church\*-311 Broadway. Services, 10.30 and 7.30.

### Methodist

Epworth Methodist Church\*—Massachusetts Ave., opposite Cambridge Commons.

United Methodist Episcopal Church in People's Temple—Columbus Ave., at Berkeley St., Morning service, 10.30.

Grace Methodist Episcopal Church-Magazine and Perry Sts., Morning service, 10.30; Young Men's Class, 10.00; Evening service 7.15.

### Presbyterian

First United Presbyterian Church, Inman Square. Service at 10.30 A.M. and 7.30 P.M. Church school at 11.45 A.M.; C. E. at 6.30 P.M.

First Presbyterian Church in Boston—Columbus Ave. and Berkley St. Service, 10.30.

Roxbury Presbyterian Church, Warren and Woodbine Sts., Roxbury. Services 10.30 A.M., 7.30 P.M.

#### **Roman Catholic**

The Cathedral-Washington and Union Park Sts.

St. Cecilia-Belvidere and St. Cecilia Sts. near Boylston St. and Massachusetts Ave.

St. Mary's\*-Harvard and Norfolk Sts.

# Unitarian

First Church in Boston (1630)-Corner Berkeley and Marlboro Sts. Morning service, 10.30; Young People's Meetings, 6.30.

Second Church in Boston-Beacon St. and Audubon Circle. Morning service, 11.00.

First Church in Cambridge\*-Harvard Square. Morning service, 11.00.

Arlington Street Church-Corner Arlington and Boylston Sts. Morning service. 11.00; Vesper service (all seats free) at 4.00.

Harvard Street Unitarian Church\*-Corner Harvard and Hancock Sts. Services, 11.00 A.M.

### FRATERNITIES

Alpha Tau Omega, 37 Bay State Rd., Boston. Phone: B.B. 3137.

Alpha Mu Sigma.

- Beta Theta Pi, 106 Sewall Ave., Brookline, Phone: Bkline 7710.
- Chi Phi, 44 The Fenway, Boston, Phone: B.B. 3515.
- Delta Kappa Epsilon, 104 Charles River Rd., Cambridge. Phone: Univ 6598. Delta Psi, 428 Charles River Rd., Cambridge.

Delta Tau Delta, 4 Ames St., Cambridge, Phone: Univ. 4755.

- Delta Upsilon, 526 Beacon St., Boston, Phone: B.B. 4375.
- Kappa Sigma, 83 Bay State Rd., Boston. Phone: B.B. 1568.
- Lambda Chi Alpha, 463 Commonwealth Ave. Boston. Phone: B.B. 7197. Lambda Phi, 493 Commonwealth Ave., Boston. Phone: B. B. 8839.
- Phi Beta Delta, 57 Texteth St., Brookline,
- Phi Beta Epsilon, 400 Charles River Rd., Cambridge, Phone: Univ. 2341.
- Phi Beta Mu.
- Phi Gamma Delta, 28 The Fenway, Boston. Phone: B.B. 5921.
- Phi Kappa, 349 Commonwealth Ave., Boston. Phone: B.B. 8468.

### STUDENTS' HANDBOOK

- Phi Kappa Sigma, 530 Beacon St., Boston. Phone: Brookline 1369.
- Phi Mu Delta, 398 Marlborough St., Boston. Phone: B.B. 4291.
- Phi Sigma Delta, 71 Mountfort St., Boston. Phone: B.B.8996.
- Phi Sigma Kappa, 517 Beacon St., Boston. Phone: B.B. 4565.
- Phi Lambda Alpha, (?)
- Psi Delta, Cambridge.
- Sigma Alpha Epsilon, 484 Beacon St., Boston. Phone: B.B. 1935.
- Sigma Alpha Mu, 179 Bay State Rd., Boston.
- Sigma Chi, 532 Beacon St., Boston. Phone: B.B. 4057.
- Sigma Nu, 521 Commonwealth Ave., Boston. Phone: B.B. 5231.
- Tau Delta Phi, 556 Newbury St., Boston.
- Tau Epsilon Phi, 562 Newbury St., Boston. Phone: B.B. 4780.
- Theta Chi, 528 Beacon St., Boston. Phone: B.B. 5549.
- Theta Delta Chi, 334 Harvard St., Cambridge. Phone: Univ. 2966.
- Theta Xi, 406 Marlborough St., Boston. Phone: B.B. 4967.

Zeta Beta Tau, 918 Beacon St., Boston.

# CONSTITUTION

### OF THE

# Massachusetts Institute of Technology Undergraduate Association

#### Preamble

Thereas, it seems wise that all activities among the students of the Mass. Inst. Tech. should be so organized and conducted as to work for the good of the welfare and renown of the MASSACHU-SETTS INSTITUTE OF TECHNOLOGY, it is fitting that some central orgnization, chosen and controlled by the student body, should, as representing that body, have and exercise general powers as supervision over all individual activities insofar as they affect the student body as a whole. To this end it seems necessary that the entire body of undergraduates should be brought together as a unit in order that legislation and executive powers may be transferred upon such a central body as is mentioned in the preceding paragraph. It is, therefore, enacted by the undergraduates attending the MASSACHUSETTS INSTITUTE OF TECHNOLOGY that such a general organization should be effected and to this end the following constitution governing the student body is adopted:

### CONSTITUTION

# ARTICLE I

## Name of Organization

The name of this organization shall be the MASSACHUSETTS INSTITUTE OF TECH-NOLOGY UNDERGRADUATE ASSOCIA-TION.

# 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 MASSACHU-SETTS INSTITUTE OF TECHNOLOGY.

#### ARTICLE III

### Membership

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

# ARTICLE IV

### **Institute Committee**

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

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

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

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

Architectural Society Chemical Society Civil Engineering Society Cosmopolitan Club Dormitory Committee Electrical Engineering Society Finance Committee M. I. T. A. A. Mechanical Engineering Society Musical Clubs Tech Show Technology Christian Association The TECH The Voo Doo Naval Architecture Society Walker Memorial Committee Architectural Student Council Boathouse Committee Budget Committee Corporation XV Election Committee Intramural Committee Mining Society Naval Architecture Society Point System Committee Tech Engineering News

Section 5. Any other activity now existing or hereafter duly organized by the undergraduates may, by two-thirds vote of the Institute Committee be granted representation thereon, and any activity having a representative on the committee may, by a similar two-thirds vote, be denied such a representation, provided notice of the proposed action of the committee shall have been given the members of the activity and full opportunity granted them to present arguments and reasons why such action should not be taken.

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

# ARTICLE V

# Organization of the Institute Committee

Section 1. The officers of the Institute Committee shall consist of a President, Vice-President, Secretary-Treasurer, who, with the chairman of the Walker Memorial Committee and the Naval Hangar Gym and one more member elected by the committee at large shall constitute an Executive Committee.

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

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

# ARTICLE VI

#### Amendments

Amendments to this Constitution may be recommended by the Institute Committee or by a petition of one hundred (100) members of the association. Any amendments so recommended shall be submitted by the Institute Committee to the entire body for consideration and adoption. Full notice of such proposed amendment shall be submitted to the entire student body for consideration by publication for posting at least thirty days before the day set for voting; two-thirds of the votes cast shall be necessary to adopt the same, provided twenty-five per cent (25%) of the total membership vote.

### 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 resident, the large by the class; and shall furthermore consist of one representative from each Undergraduate Organization to whom a seat has been granted as hereinafter provided; and, in addition, the chairman of the various standing committees of the Institute Committee who are granted ex-officio membership of the Institute Committee. Section 2. The class members shall attend the first meeting of the Institute Committee after their election. They shall not have the right to vote on any questions at this meeting except the election of officers of the Institute Committee. In this election the superseded members shall not have the right to vote. At the adjournment of this meeting the retiring class representatives shall give up their seats to the new representatives.

Section 3. All vacancies in the Institute Committee shall be filled by the organization concerned in accordance with the custom of that organization. No person may become a member of the Institute Committee without submitting written credentials from the organization which he represents. In case the official representative of an organization cannot be present at a meeting of the Institute Committee, the Committee may seat a substitute who shall have a written authorization signed by the absent member or by the organization which he represents.

## ARTICLE IV

Section 1. The officers and Executive Committee, as provided for in Article V, Section 1 and 2, of the Constitution, shall, with the exception of the President, be elected by written ballot at the first meeting following the election of the representatives from the classes. Voting in this election shall be in accordance with Article III, Section 2 of these By-Laws.

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

### ARTICLE V

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

Section 2. The Vice-President shall assume the duties of President in case of the absence of the latter. In case of his resignation, however, the Vice-President of the Institute Committee shall become President of the Institute Committee, or his successor shall be elected by the Institute Committee.

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

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

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

#### 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. After three days the President shall call a meeting of the Institute Committee upon the written request of ten members.

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

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

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

## ARTICLE VII

No meeting shall begin or continue unless at least a quorum of twelve representatives 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 3. If the full representation of an organization is not present at two consecutive meetings of the Institute Committee, that organization shall forfeit its right to representation on the Committee, which representation shall not be granted until the Institute Committee has been in receipt of a formal petition from the organization giving due assurance that such absence shall not recur, and shall have passed on this petition in accordance with Article X of these By-Laws.

# ARTICLE IX

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

Section 2. To be granted representation on the Institute Committee, a society must have existed one and one-half calendar years, and must either include in its organization a minimum of 50 active members, membership being open to all undergraduate students in one or more courses, or have traditions which render it worthy of representation.

Section 3. Having fulfilled these requirements, the organization may be granted representation at the discretion of the Institute Committee, a twothirds vote of all members present being required.

#### ARTICLE X

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.

### ARTICLE XI

There shall be three classes of sub-committees of the Institute Committee; all of which shall submit formal reports except that temporary committees may submit informal reports when authorized by the president of the Institute Committee.

(a) Standing Committees which function throughout the entire year and carry out routine duties of the Institute Committee.

The standing committees are:

Activities Committee Boathouse Committee Budget Committee Elections Committee Finance Committee Intramural Committee Point System Committee Walker Memorial Committee

(b) Special Committees which function every year and carry out certain details of the business of the Institute Committee. There are at present three of these committees, Tech Night Committee, Field Day Committee, Inter-class Executive 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.

#### **ACTIVITIES COMMITTEE**

### ARTICLE I

The name of this Committee shall be the Activities Committee.

# ARTICLE II

The purpose of this Committee shall be to further the interests of the various activities of the organizations of the undergraduate body.

#### ARTICLE III

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

Section 2. There shall be an Advisory Board consisting of the heads of activities listed under Group A.

Section 3. The positions on the Committee shall be filled by election of the Executive Committee of the Institute Committee subject to ratification of the Institute Committee, at the second meeting of that Committee following the class elections.

### ARTICLE IV

The duties of the Activities Committee shall be as follows:

 To make a report each year which shall contain:

(a) A brief history of the accomplishments of the various activities during the year.

(b) The number of men engaged in the various activities.

(c) The percentage of the student body taking part in activities.

2. To keep in touch with the various activities, and by due publicity endeavor to secure keen competition for all open positions.

To maintain and promote interest in a trophy room.  To maintain a complete statistical file involving the individual record of each student in activities.

To do everything in its power to promote and create interest in activities.

### 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.

#### **BOATHOUSE COMMITTEE**

#### ARTICLE I

The name of this Committee shall be the Boat House Committee.

# ARTICLE II

The purpose of this Committee shall be to conduct the Boathouse and regulate the activities therein.

# ARTICLE III

Section 1. This Committee shall consist of a chairman who shall be a member of the Senior Class, and shall be ex-officio a member of the Institute Committee; and of four associates, one of whom shall be manager of the Varsity Crew, and at least two of the other members being members of the Junior class during their term of office.

Section 2. At the first meeting of the Executive Committee of the Institute Committee after the class election, the retiring chairman of the Boathouse Committee shall recommend his successor, who shall be elected by the Executive Committee subject to ratification of the Institute Committee

At the first meeting of the Executive Committee in the fall term the chairman of the Boathouse Committee shall report the results of the Sophomore competition of the previous spring and two members of the then Junior Class, together with one member of either the Junior or Senior Classes, shall be elected members of the Boathouse Committee by the Executive Committee subject to ratification by the Institute Committee.

### ARTICLE IV

The powers of the Boathouse Committee shall be as follows:

1. To have charge of the student administration of the Boathouse.

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

3. To act in co-operation with the Advisory Council on the Boathouse in the purchasing of equipment, which will maintain and promote rowing activities at the Boathouse.

4. To assign use of all rowing facilities and equipment, rooms, and space in the Boathouse for the use of undergraduates and undergraduate activities, and to prevent as far as possible any material conflict between the several interests.

 At the discretion of the chairman, the complete plans may be required for any function, to be held in the Boathouse.

6. To veto any portion of a proposed program that is decided to be undesirable.

#### ARTICLE V

The duties of the Boathouse Committee shall be as follows:

 To be responsible for the use and maintenance of all property belonging to the Corporation in and about the Boathouse. To see that the Building is kept clean and in repair, and that any improvements of changes desired by the organizations are made through the Boathouse Committee.

2. To facilitate and encourage recreational and competitive rowing in the Boathouse.

 To formulate and enforce all rules relative to the various parts of the Boathouse and the use of the same by the several activities.

 To have at least one member of the Committee present at any function held in the building whenever it seems advisable.

5. To co-operate with the Dean, the Bursar, and the Superintendent of Buildings and Power, in every way possible for the proper administration of the Building.

# ARTICLE VI

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

#### **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.

# ARTICLE III

Section 1. This Committee shall consist of a Chairman, who shall be the Treasurer of the Institute Committee, and of four associates, one of whom shall be the Treasurer of the M. I. T. A. A., one, the Chairman of the Finance Committee and two members of the student body at large, and shall further consist of two advisory members.

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

## ARTICLE IV

The duties of the Budget Committee shall be as follows:

1. To investigate all proposed expenditures of the Institute Committee in excess of five dollars, and report through the Executive Committee on the advisability of the same. It shall at the third regular meeting of the Institute Committee in the fall term present a budget covering the expenditures of the Institute Committee, all of its subcommittees, and of the Classes. 2. To investigate all proposed expenditures of any undergraduate organization receiving money from the Undergraduate Dues, and approve or disapprove of this expenditure as it sees fit. No money from the Undergraduate Dues shall be sent by undergraduates until such expenditures have been approved by the Budget Committee.

3. To submit copies of all approved budgets of undergraduate organizations spending money of the Undergraduate Dues to the Chairman of the Finance Committee, and shall submit copies of all approved budgets of athletic organizations spending money of the Undergraduates' Dues to the Treasurer of the M. I. T. A. A.

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

# ARTICLE V

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

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

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

4. The Treasurer of the Institute 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 and seven associate members.

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

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

## ARTICLE IV

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

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.

2. All Class Elections and Junior Prom Committee Elections shall be by the Australian Ballot. Senior Week Committee Elections shall be by the Hare-Spence System with the Marshalls elected by Australian Ballot.

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.

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

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

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) .....

6. Nomination papers shall be deposited in a locked box provided for the purpose between the hours of 9 A.M. on the Friday and 12 noon on the Saturday immediately preceding the election.

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

8. The Chairman shall have the required number of ballots in his possession at least twenty-four hours before the opening of the poll.

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

10. All elections shall be held on Wednesday, the day before the Thursday on which there is a meeting of the Institute Committee. (a) The Freshman Class elections shall be

held on the Wednesday of the first or second week following Field Day.

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

shall be held on the first or second Wednesday in February.

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

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

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

Section 12. The voting for all elections shall be done in a room selected for that purpose by the Committee, and there shall be no balloting by mail.

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 the Chairman of

the Elections Committee and two of the senior

members except that if any or all of these three seniors are nominees in the election their places shall be filled by members of the committee who are not nominees. When the Hare-Spencer system is used counting shall be done by all members of the Committee who are not nominees in the election.

All men counting votes shall be on their honor not to divulge the count to anyone regardless of his position until the formal announcement of the results has been made.

When the Australian ballot is used, the members of the Elections Committee who did not count the votes shall, after the announcement has been made, recount them.

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 Com-

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

Section 17. All forms of electioneering at the polls shall be prohibited.

### 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.

# FINANCE COMMITTEE

# ARTICLE I

The name of this Committee shall be the Finance Committee.

## ARTICLE II

The purpose of this Committee shall be to supervise the [finances of the undergraduate activities.

# ARTICLE III

Section 1. This Committee shall consist of a chairman, a senior, who shall be ex-officio a member of the Institute Committee, of the treasurer of all the organizations coming under Article X, of the By-Laws of the Undergraduate Association, and of the three advisory members. There shall be a Secretary-Treasurer, and Executive Committee, and a Chairman on the Executive Committee.

Sectedary-Treasurer, and Executive Committee. Section 2. The Chairman of the Finance Committee shall be elected by the Executive Committee of the Institute Committee, subject to the ratification of the Institute Committee following class elections. The advisory members shall be elected by the Alumni Council subject to the ratification of the Institute Committee, The Chairman of the Finance Committee shall appoint the Secretary-Treasurer of the Finance Committee, the Chairman and the six members of the Excutive Committee of the Finance Committee. No Treasurer of a class or an activity shall be a member of the Executive Committee of the Finance Committee. These appointments to be subject to the ratification of the Institute Committee.

# ARTICLE IV

The duties of the Finance Committee shall be as follows:

1. It shall be the duty of the Chairman of the Finance Committee:

(a) To preside at all regular meetings of the Committee.

(b) To supervise the work of the Executive Committee and of all the members of the Finance Committee.

(c) To submit a report at his retirement from office to the Institute Committee, to the advisory members and to the Bursar giving the financial standing of each organization whose Treasurer is a member of the Finance Committee, and the total funds handled by those organizations during the year.

(d) To keep a record showing the profit of each organization and the total funds handled by them during the year.

(c) To see that the funds of each organization are correctly appropriated and that their financial dealings are handled in a business like manner.

(7) He shall have the power to demand a guarantee from any activity which is unable to meet its liabilities and shall have the power to control the finances of said activity until he himself is assured of their proper management.

(a) the saured of their proper management. (a) He shall have the power to advise the removal of the Treasurer of any organization from office for inefficiency or misappropriation of funds to the organization concerned and to the Institute Committee.

2. It shall be the duty of the Secretary-Treasurer:

(a) To keep the minutes of all regular meetings of the Committee.

(b) To handle the accounts of the Committee.

(c) To attend to the collection of dues and fines.

(d) To send out notices of meetings and conferences to the members.

3. It shall be the duty of the Chairman of the Executive Committee:

(a) To preside at the meetings of the Executive Committee.

(b) To supervise the work of the Executive Committee.

4. It shall be the duty of the Executive Committee:

(a) To correct the monthly reports of each organization.

 (b) To make a yearly audit of the books of each organization, or to obtain a statement that an audit has been made by recognized public auditors.
 (c) To file a complete set of correct reports

(c) To file a complete set of correct reports from each organization.

5. It shall be the duty of each member of the Finance Committee:

Duties of the members of the Finance Committee.

(a) To submit financial reports of their organizations on the standard form of report or in any form approved by the Chairman of the Finance Committee. For organizations coming under groups (A and B -Article IV, Section 7), the classes, the Dormitory Committee, and the Institute Committee - these reports are due the eighth day of every month of the school year (Report of Oct. 8 to cover months of June, July, August, and September). For organizations coming under group (c-Article IV, Section 7)—the reports are term reports and are due on December 8, March 8, June 8, and October 8 (to cover June, July, August, September).

(b) To submit corrected reports by the twentieth of the same month.

(c) To use standard sign-up books at each function requiring sign-ups and to use standard tickets if instructed to do so by the chairman of the Finance Committee.

(d) To submit the books of the organization of which he is Treasurer for yearly audit.

(e) To attend all meetings of the Finance Committee.

6. It shall be the duty of the advisory members to act in an advisory capacity.

7. The activities shall be divided into the following groups.

#### Group A

M. I. T. A. A. Musical Clubs T. C. A. Technique Tech Show T. E. N. THE TECH Voo Doo

# Group B

Aero. Eng. Society Architectural Eng. Society Chemical Society Civil Engineering Society Combine Prof. Society Corporation XV Mechanical Engineering Society Mining Engineering Society M. I. T. Branch A. I. E. E. Naval Architecture Society

# Group C

British Empire Club Catholic Club Channcy Hall Club Chess Club Chinese Club Choral Society Cleofan Cosmopolitan Club Japanese Club Latin American Club Menorah Society M. I. T. Chapter Unitarian Laymen's League M. I. T. Post Society of Military Engineers. Norwegian Club Outing Club Radio Society Rifie Club Speaker's Club Tech Press Club

### ARTICLE V

Section 1. Meetings may be called at any time by the chairman. Private conferences may be made at any time at the discretion of the Chairman.

Section 2. The annual dues shall be one dollar payable before January 1st. A fine of one dollar shall be imposed at the discretion of the Chairman for unexcused absence at meetings for the late reports, or for late corrected reports.

# ARTICLE VI

Appeal from any of the rulings of this Committee may be made to the Institute Committee,

# ARTICLE VII

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

# INTRAMURAL COMMITTEE

### ARTICLE I

The name of this Committee shall be the Intramural Committee.

### ARTICLE II

The purpose of this Committee shall be 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.

## ARTICLE III

Section 1. This Committee shall consist of a Chairman, who shall be ex-officio a member of the Institute Committee, and of two associates The Chairman shall be a member of the Senior Class; one shall be an undergraduate taking subjects in the Rogers Building, the others shall be members of the student body at large.

Subjects in the Rogers Building, the others shall be members of the student body at large. Section 2. The positions on this Committee shall be filled by election by the Executive Committee of the Institute Committee, subject to ratification of the Institute Committee at the second meeting of that Committee following the class elections.

# ARTICLE IV

The duties of the Intramural Committee shall be as follows:

1. To have charge of all publicity campaigns and other drives conducted on the grounds of the Institute.

 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.

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

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

5. To conduct a bi-monthly meeting of the representatives of the undergraduate organizations for the purpose of regulating intramural publicity and drives, and to send the minutes of these meetings to all undergraduate organizations, and enforce all rules resulting from such meetings.

 To report its transactions at every meeting of the Institute Committee.

# ARTICLE V

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

# POINT SYSTEM COMMITTEE ARTICLE I

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

### ARTICLE II

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

## ARTICLE III

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

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

### ARTICLE IV

Section 1. This Committee shall see that every position in every undergraduate organization is assigned a definite number of points. Section 2. Before a new office is created in any undergraduate organization permission must be had from the Institute Committee to create such office, and points must be assigned by the Point System Committee and approved by the Executive Committee.

# ARTICLE V

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

## ARTICLE VI

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

# ARTICLE VII

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

# ARTICLE VIII

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

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

### ARTICLE IX

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

# ARTICLE X

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

The points shall be as follows:

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

Athletic Association: President, 10; Vice-President, 1; Secretary, 4; Treasurer, 9; Assistant Treasurer, 4; Publicity Manager, 8; Assistant Publicity Manager, 4; all members of teams and all candidates, 5; all team captains, 2 extra.

Track Manager: 9; Sophomore Assistant, 5; Freshman Assistant 4, Cross Country Manager 6, Swimming Manager 7, Crew Manager 8, Sophomore Assistant 5, Freshman Assistant 4, Hockey, Wrestling, Tennis, Boxing, Basket-ball and Gymm Manager 6, Sophomore Assistant 5, Freshman Assistant 4, Rifle, Golf, Fencing and Soccer Manager 5, Sophomore Assistant 4, Freshman Assistant 4, Class Teams Manager 4, Assistant 2, Supervising Manager of Intramural Baseball 5.

Assistant 4, Chas Teams Hanager 4, Assistant 2, Supervising Manager of Intramural Baseball 5. The Tech: General Manager 10, Editor-in-Chief 9, Managing Editor 9, Business Manager 9, News Editor 8, Sports Editor 8, Features Editor 8, Advertising Manager 8, Circulation Manager 8, Treasurer 8, Night Editors 7, News Writers 6, Sports Writers 6, Editorial Board 5, Features Division 5, Assistant Advertising Manager 6, Advertising Staff 5, Assistant Circulation Manager 6, Circulation Staff 5, Assistant Treasurer 6, Candidates 4. Technique: General Manager 10, Managing Editor 9, Business Manager 9, Literary Editor 8, Department Editor 8, Advertising Manager 8, Treasurer 8, Publicity Manager 8, Photographic Manager 8, Associate Board 6, Staff 5, Candidates 4.

Voo Doo: General Manager 10, Business Manager 9, Managing Editor 9, Art Editor 8, Literary Editor 8, Advertising Manager 8, Circulation Manager 8, Publicity Manager 8, Associate Editors 6, Assistant Editors 5, Business Associates 6, Candidates 4.

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

Tech Show: General Manager 10, Junior Manager 9, Sophomore Assistant Manager 5, Freshman Assistants Candidates 4, Principal cast 6, Minor Cast, Members of Chorus, Ballet, Orchestra, 4, Directors of Scenery, Music, etc., 8. Musical Clubs: General Manager 10, Business

Musical Clubs: General Manager 10, Business Manager 9, Treasurer 8, Publicity Manager 8, Leaders 6, Assistant Manager 5, Stage Manager 8, Members 2.

Choral Society: President 5, Vice-Presidents 3, Secretary 2, Treasurer 2.

Tech Christian Association: President 10, Vice-President 4, Treasurer 5, Director Employment Bureau 5, Director Freshman Advisors 4, (first term only), Director Room Registry 4, (first term only), Director Book Exchange 4, (handbook positions first and third terms only); General Manager Handbook 5, Business Manager of Handbook 4, Managing Editor 3, Director Foreign Students 3, Director Boys' Work 3, Director of Meetings 3, Director of Social Meetings 3. All other Directors 1.

Institute Committee: Treasurer 9, Secretary 8, Members from classes 5, Walker Memorial Committee Chairman 9, Junior Members 6, Sophomore Members 4. Budget Committee: Members at Large 3.

Boat House Committee: Chairman 7, Members 3.

Point System Committee: Chairman 6, Members 3.

Intramural Committee: Chairman 6, Members 3.

Activities Commmittee: Chairman 6, Members 3.

Elections Committee: Chairman 5, Members 1.

Finance Committee: Chairman 8, if Treasurer of the Senior Class 10, Secretary-Treasurer 4 Chairman Executive Committee 5.

Dormitory Committee: Chairman 6, Treasurer 2, Other Members 1.

Dormitory Dance Committee: Chairman 5, Members 2.

**Professional Societies:** President 5, Vice-President 3, Secretary 3, Treasurer 3, Members of Governing Board, Directors, etc., 2.

Combined Societies Executive Committee: Chairman 2, Vice-Chairman 1, Secretary 1, Treasurer 1, Members 1.

Clubs and Societies: President 3, Vice-President 1, Secretary 2, Treasurer 2, Members Governing Boards, Directors, etc., 1.

Architects' Student Government: President 5, Class Representatives 3.

# WALKER MEMORIAL AND THE NAVAL HANGAR GYM COMMITTEE

### ARTICLE I

The name of this Committee shall be the Walker Memorial and Naval Hangar Gym Committee.

# ARTICLE II

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

# ARTICLE III

Section 1. This Committee shall consist of a Chairman who shall be ex-officio a member of the Institute Committee and the Executive Committee of the Institute Committee, and five other associates. The Chairman shall be a member of the Senior Class; two of the associates shall be members of the Junior Class; and three of the Sophomore Class during their term of office.

Section 2. At the first meeting of the Executive Committee of the Institute Committee, after the second week of the third term, the retiring Chairman of the Walker Memorial and Naval Hangar Gym Committee shall appoint his successor subject to ratification by the Institute Committee. He shall also recommend at this time the names of three members of the Freshman Class, and two members of the Sophomore Class, who shall be voted upon in the same manner as the Chairman. At the first meeting of the Executive Committee in the fall term, the Chairman of the Walker Memorial and Naval Hangar Gym Committee shall report the results of the Freshman competition of the previous spring and three members of the then Sophomore Class shall be elected members of the Walker Memorial and Naval Hangar Gym Committee by the Executive Committee, subject to ratification by the Institute Committee.

# ARTICLE IV

The powers of the Walker Memorial and Naval Hangar Gym Committee shall be as follows:

1. To have charge of the student administration of the Walker Memorial and the Naval Hangar Gym.

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

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

4. To require the complete plans for any social function to be held in Walker Memorial and Naval Hangar planned by any organization to be submitted in writing and signed by a responsible member of that organization. 5. To levy a fine of one dollar (\$1.00) on any organization which holds a meeting in the Walker Memorial or Naval Hangar Gym unauthorized by the Walker Memorial and the Naval Hangar Gym Committee. The fine to be payable to the Treasurer of the Institute Committee. And to refuse to approve the application for reservation of any room in the Walker Memorial or the Naval Hanger Gym until this fine is paid.

# ARTICLE V

The duties of the Walker Memorial and the Naval Hangar Gym Committee shall be as follows:

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

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

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

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

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

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

# ARTICLE VI

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

# SPECIAL COMMITTEE

# ARTICLE I

The name of this organization shall be the Interclass Executive Committee.

Section 1. It shall consist of the President and two members of the Executive Committee of each of the four undergraduate classes, and the Secretary of the Institute Committee, who shall be ex-officio Secretary of this Committee.

# ARTICLE II

The purpose of the Committee shall be:

1. To unify the classes separately and collectively.

 To discuss all class policies and plans.
 To discuss and advise the classes in the conduct of their various functions.

#### ARTICLE III

This Committee shall act strictly in an advisory capacity.

## ARTICLE IV

The Committee shall meet on the first Friday of each month.

Section 1. Special meetings may be called by any one of the class Presidents.

Section 2. The President of the Senior Class shall preside at all meetings, which meetings shall be of an informal character.

## ARTICLE V

Section 1. Minutes of all meetings shall be kept. Section 2. The members shall be notified of the meetings.

Section 3. Absence from meeting of any representative shall be explained at the next meeting.

#### ARTICLE VI

This Constitution may be revised by a three-fourths vote of a quorum of the Committee, which shall be nine members.

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### UNIFORM CLASS CONSTITUTION

# ARTICLE I

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

# ARTICLE II

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

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

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

# ARTICLE III

Section 1. Previous to the election of officers in the Freshman year, the class shall be under the supervision of the temporary chairman who shall be the President of the Junior Class.

Section 2. The temporary Chairman shall be assisted by five other Juniors as temporary Managers of the four Field Day teams and temporary Treasurer respectively.

Section 3. The temporary Managers and temporary Treasurer shall be elected from the Sophomore Class by the Institute Committee at its second meeting following the spring class elections.

Section 4. The temporary officers of the class shall be responsible to the Institute Committee for the affairs of the class.

Section 5. The temporary Chairman shall assume the duties of President of the class during his tenure of office.

Section 6. The temporary Managers shall, during the first two weeks of the school year conduct competitions for the managerships of their respective teams. Section 7. The temporary Treasurer shall assume the duties of Treasurer during his term of office.

## ARTICLE IV

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

Section 2. The General Committee shall consist of the officers of the class and an elected representative from each section of the class as determined by the registration in a given subject of instruction. This subject is to be designated by the Executive Committee of the class.

### ARTICLE V

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

Section 2. The Secretary of the class shall be the Secretary of the General Committee. He shall give notice of all meetings and be responsible for all records of the class.

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

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

Section 5. The Executive Committee shall have the power to appoint such Committees as it is deemed necessary, subject to the ratification of the General Committee.

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

Section 7. The General Committee shall meet once a month, and at any other time that the President shall see fit to convene them.

## ARTICLE VI

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

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

#### ARTICLE VII

Section 1. The election of the members of the Executive Committee shall be carried on in accordance with the Regulations of the Elections Committee.

Section 2. The section leaders shall be elected by each section the second week of each term. If more than two men are nominated, a ballot shall be cast, each man voting for two men, the two men having the highest number of votes shall then be voted upon for final election. For the first term of the Freshman year the temporary Chairman shall appoint a Junior to act as Chairman of elections. This Junior must be a member of the Executive Committee of the Junior Class. For the remaining terms, these duties shall be assumed by the President and Executive Committee of this class.

Section 3. In the elections for members of the Executive Committee, the candidate, or where two men are to be chosen, the two candidates receiving the largest number of votes, shall be declared elected

Section 4. In cases of a tie vote, the names of the persons concerned shall be submitted to the class for election.

Section 5. A demand for a recount must be signed by at least thirty members of this class.

#### ARTICLE VIII

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

#### ARTICLE IX

In case of dispute, the correct interpretation of this constitution shall be determined by the Institute Committee. ARTICLE X

This constitution shall automatically become the constitution of every class upon its registration in the Institute.

#### ARTICLE XI

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

74

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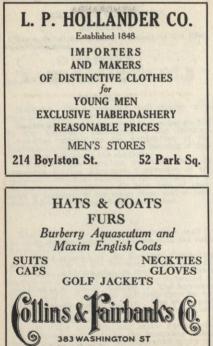
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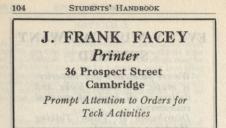
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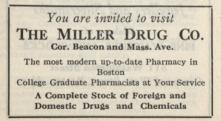
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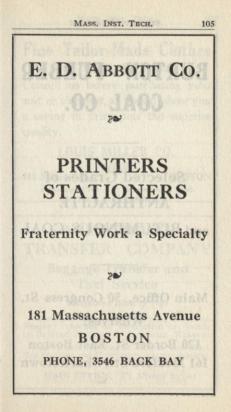
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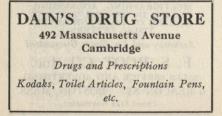


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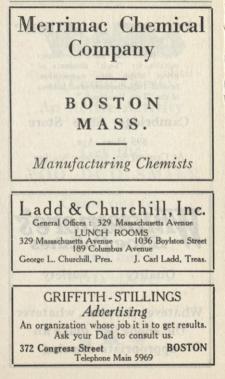
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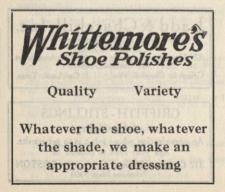
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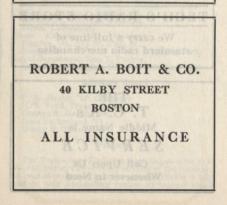
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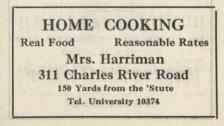


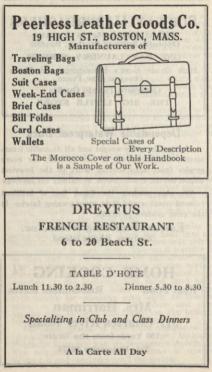
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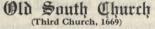
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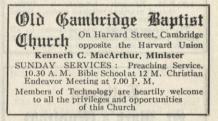
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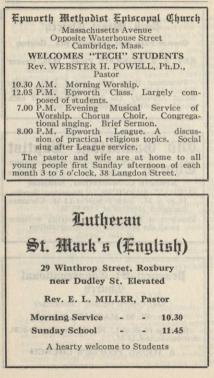
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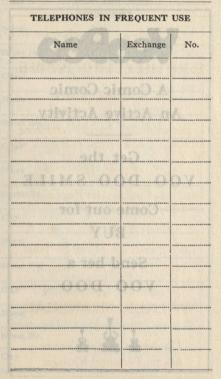
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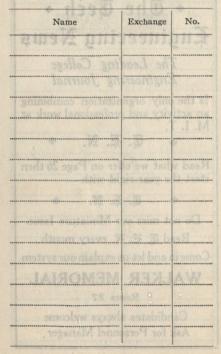
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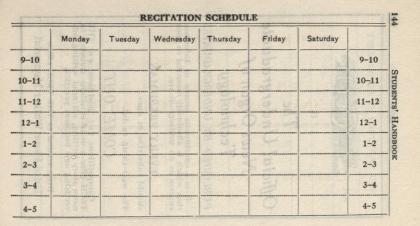
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