TECHNIQUE
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TECHNIQUE 1921
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THREE AND ONE
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Associate Professor of Hydraulic Engineering. Residence: 319 Highland Avenue, Winchester.

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Assistant Professor of Civil Engineering. Residence: 4 West Cedar Street, Boston.

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Assistant Professor of Topographical Engineering. Residence: 147 Grampian Way, Dorchester.
Faculty Department of Civil and Sanitary Engineering. — Continued

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21
Department of Mechanical Engineering, Applied Mechanics, and Mechanic Arts

Professors

Edward F. Miller, ΦΣΚ; S.B., M. I. T., 1886. Professor of Steam Engineering; in charge of the Department. Residence: 138 Ward Street, Newton Center.

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Assistant Professor of Theoretical and Applied Mechanics. Residence: 25 Fisher Avenue, Newton Highlands.
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Professors

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32
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Professors

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Walker Professor of Mathematics; in charge of the Department. Residence: 39 Gray
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Professor of Mathematics. Residence: Boxford, Mass.

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Assistant Professor of Mathematics. Residence: 378 School Street, Watertown.

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Back: Ruckman, Baltzley, Prescott; Morris, Crosby, Roberts, Curtis, Copithorne, Scholes
Middle: Sutherland, Rogers, Aydelotte, Pearson, Robinson, Croissant, Seaver
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Howard W. Boal, A.B.
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Department of Economics and Statistics

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DAVIS R. DEWEY, ΔΨ, ΦBK; A.B., University of Vermont, 1879; Ph.D., Johns Hopkins, 1886, L.L.D., University of Vermont, 1910.
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Professor of Economics. Residence: 58 Garfield Street, Cambridge.

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Assistant Professor of Business Management. Residence: 238 Hemenway Street, Boston.

37
Department of Modern Languages

Professors

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HERMAN R. KURRELMeyer, A.B., Johns Hopkins, 1899; Ph.D., 1902.
Associate Professor of German. Residence: 206 Beach Street, Roslindale.

Instructors

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![Image of professors and students]

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CHARLES RICE GOW, B.S.
Foundations.

SIMON CURTIS KEITH, JR., S.B.
Problems of Industrial Biology.

ROBERT VAN ARSDALE NORRIS, E.M.
Coal Mining.

DEAN PEABODY, JR., S.B.
Reinforced Concrete.

EARLE BERNARD PHILPS, S.B.
Public Health Engineering.

ELIOT PUTNAM.
Architectural History.

JOHN ARNOLD ROCKWELL, S.B., M.D.
Medical Adviser; Personal Hygiene.

LINCOLN FREDERICK SCHAUB, A.M., LL.B.
Business Law.

WILLIAM LYMAN UNDERWOOD.
Industrial Biology.

FREDERICK ADAMS WOODS, M.D.
Theoretical Biology.

LECTURERS FOR THE CURRENT YEAR

FREDERICK AUGUSTUS HANNAH, S.B., Industrial Management.

EUGENE CLARENCE HOWE, Ph.D., Physiology.

PERCY GOLDTHWAIT STILES, Ph.D., Personal Hygiene.
IN MEMORIAM

KEAT KWONG TYE
August 28, 1919

ROY NATHAN SPITZER
December 15, 1919

RICHARD COCKBURN MACLAURIN
January 15, 1920

FRED RUSSELL EUGENE DEAN, JR.
February 1, 1920
THE ALUMNI ASSOCIATION

THE ALUMNI ASSOCIATION of the Massachusetts Institute of Technology was founded in 1876. Professor Robert H. Richards was the first President and Professor George S. Swain was the first Secretary. The Association continued in the original form of organization, having but one general meeting of the Association yearly for 33 years.

In 1909, the Association of Class Secretaries, which had been formed by calling together the secretaries of the various classes, conferred with the Executive Committee of the Alumni Association in regard to forming a more formally organized governing board of the Alumni Association. As a result of this conference, the Constitution of the Alumni Association was changed and it was provided that an Alumni Council be formed which is made up of representatives of each of the classes, of ten representatives at large—five of them being elected each year for two years, with the five latest living ex-presidents and an executive committee of the officers of the Association with four additional members—two being elected each year.

Since the foundation of the Council, monthly meetings during the school year have been held. Important problems have been considered by the Alumni Association through the Council. It has proposed the establishment of certain courses at the Institute. It has arranged for a summer camp and has, through a committee, furnished the Institute the Summer Camp of Civil Engineering.

Another function of the Alumni Association is to nominate each year three term members to the Corporation, who are elected by the Corporation and serve for five years as representatives. The Association presents to the alumni twice as many names as there are vacancies to be filled and by letter ballot the Association nominates as many as there are vacancies and presents them as nominations of the Alumni Association to the Corporation for election.

A subsidiary organization of the Alumni Association is the Technology Clubs Associated, which is an organization of Local Societies and it is planned that annually reunions be held at different points, but every five years an All-Technology Reunion be held at the Institute.

Past Presidents of the Alumni Association:

Prof. R. H. Richards '68 1876-81  *A. Lawrence Rotch '84 1902  James W. Rollins '78 1912
*James P. Tolman '68 1881-84  Frederick H. Newell '85 1903  Frederic H. Fay '95 1913
Howard A. Caron '69 1884-88  Samuel J. Minter, M.D. '75 1904  Jasper Whiting '99 1914
Dr. Francis H. Williams '73 1888-91  Col. Frank L. Locke '86 1905  Henry J. Horn '88 1915
Henry M. Howe '71 1891-94  Everett Moras '85 1906-07  Charles A. Stone '88 1916
James P. Munroe '82 1894-97  Walter B. Snow '82 1908  Francis R. Hart '89 1917-18
John R. Freeman '76 1897-99  Edwin S. Webster '88 1909  Henry A. Morse '91 1918-19
Edwin C. Miller '79 1900  A. Farwell Benis '91 1910  T. Coleman duPont '84 1920
Charles T. Main '76 1901  Prof. Arthur A. Noyes '86 1911  *Deceased
THE TECHNOLOGY REVIEW

THE TECHNOLOGY REVIEW was founded in 1899 as the official organ of the Alumni Association and the cumulative record of the more important events in the history of the Institute. The emphasis has, however, been usually more in the direction of keeping the members of the Association in touch with each other. For this reason a great deal of space is usually given to the class notes and the news sent in from the local associations throughout the United States and, indeed, the world.

The first editor of the Review was Arthur Thomas Hopkins '97. Others who have edited the paper are James P. Monroe '82, now secretary to the Corporation; Walter Humphreys '97, and until the summer of 1917, "Ike" Litchfield '85, who was for several years, as Field Secretary and general promoter of Tech spirit, one of the best known and most popular of the Alumni. After his splendid work in organizing the Jubilee Dedication Reunion of 1916, on the outbreak of war he went to Washington as an important member of the War Labor Board. Fortunately he is back among us for the 1920 All-Technology Reunion.

On his resignation the present incumbent, though not a Technology graduate, took charge and has carried it on since with the constant and valuable assistance of many of the alumni. The Review, during the war years, found it impossible to carry on its former scheme of monthly numbers, so it was cut down to a quarterly, which attempts to sum up and digest all that is of immediate or permanent importance either at the Institute or in the alumni world. The current news was left to The Tech, under alumni supervision, to deal with.

For economy, a year ago, the Review adopted a new type page, smaller type, wider margins, less decorative white paper. But the activities of the alumni have grown to such an extent, during the war and since, and there is so much to record every quarter, that the issue is at present nearly double in number of pages of preceding editions. The college year of 1919-20 gave the Review a peculiarly important task of furnishing some of the publicity and recording the progress both for the Educational Endowment Fund campaign, and for the All-Technology Reunion in June of this year, in connection with which The Alumni Association issued the Technology War Record Book and a new list of occupations and addresses of former students. The numbers at Technology are growing so, the recent classes of the alumni display so much activity, the whole question of covering the field is assuming such importance, that in the fulness of time it well may be advisable to consider an Alumni Weekly, like the other great Eastern universities. But until then the Review follows with increasing difficulty the good old, proved traditions of "Jimmie" Monroe and "Ike" Litchfield.

ROBERT E. ROGERS, Editor.
TECHNOLOGY'S marvelous development of the past decade has been due, fundamentally, to the plans and efforts of but two men—our late president, Dr. Maclaurin, and Mr. George Eastman. Dr. Maclaurin had visions of what the future Technology might be and should be, and by laying them before Mr. Eastman he found the way by which these ambitions were to be realized. Mr. Eastman is a man of broad vision, interested, from his position in the photographic world, in the advancement of science and industry. He has long been aware of how much might well be accomplished through greater educational facilities. Because he believed in the national character and the world-wide reputation of the Massachusetts Institute of Technology, he chose to help President Maclaurin in the realization of his dream. At one time he stated that he "had formed the opinion that there was no other place where a large sum of money could be invested with more effectiveness."

Therefore in 1912 he lent his first aid by contributing two and one-half million dollars toward a building fund, which made possible our present magnificent plant. He clearly demonstrated his disinterestedness by laying down the binding condition that his gift be anonymous, assigning himself the alias of "Mr. Smith." By this title only has he been known to the public in connection with his benefactions to the Institute until this present year.

While construction of the new buildings was under way, he added a million to his first gift to ensure that a good job be done. At their com-
pletion he contributed a total of $600,000 for new equipment. One-half of this amount was given under his own name upon personal solicitation by a member of the corporation.

Since facilities were so much greater than those previously afforded on Boylston Street, Mr. Eastman realized that expenses of operation would necessarily increase in proportion. Accordingly, he offered the gift of two and one-half millions for endowment purposes, if the alumni should raise three-fifths as much. This they did. When the war came, with hard times for most educational institutions, Mr. Eastman was wide-awake to the prevailing conditions. He knew how vital it was to the nation that establishments such as Technology be kept operating at the highest efficiency, so he added $400,000 to the endowment fund.

Because the war had taught the entire world the tremendous importance of technical methods, and because the war had produced inflated costs of operation, Mr. Eastman saw that the post-war period was a time for further definite action. It was in June of last year that he notified Dr. Maclaurin of his willingness to give a sum of four million dollars for endowment if a like amount were secured in a reasonable length of time, and at least three millions of which should be pledged before January 1 of the present year. With this offer came the promise of casting off his assumed title of “Mr. Smith” if the conditions were all properly met. Thus he precipitated the greatest campaign for funds ever before conducted at the Institute.

Dr. Maclaurin, at the termination of this recent campaign, stated what he thought to be the most prominent reasons for Mr. Eastman’s preeminent support of the Institute. They were as follows:

His appreciation of the needs of technical education of the highest type.
His belief in the value of scientific training for executives.
His recognition of the duty of a man whose business is national to support national institutions, and not only local ones.
His recognition of the national character of Technology.

Gifts totaling eleven millions of dollars certainly are most practical demonstrations of the absolute faith of a man of broad visions and great genius in the growing needs and values of technical training, and as such should be a decided stimulus to every undergraduate within the walls of Technology.
THE ENDOWMENT FUND CAMPAIGN

The conditions prescribed by "Mr. Smith" with his offer of four millions for endowment purposes immediately aroused to action those in intimate touch with the affairs of Technology. The summer was spent in laying plans which would ensure that his conditions were properly met. This involved the pledging of at least three millions of dollars before the close of the year, with a fourth to be added in the half-year following.

The first step taken was the appointment of a Corporation Committee, headed by General duPont '84, and including Charles L. Hayden '90, as vice-president, Charles A. Stone '88, as treasurer, and Theodore N. Vail, Everett Morse '85, President Macalurin, Otto H. Kahn, Edmund Hayes '73, and Merton L. Emerson '04.

The virtual beginning of the campaign itself dated from the middle of October. At that time the Alumni Committee was appointed. Merton L. Emerson '04 was selected as chairman, the other members being Arthur R. Stubb '14, Edwin S. Webster '88, I. W. Litchfield '85, Professor W. H. Walker, William H. King '94, Frederick K. Copeland '76, and Bradley Dewey '09. General offices of the Fund were opened in the Institute, and a working organization was immediately set up under the direction of H. E. Lobdell '17.

The one principal idea of the campaign, immediately placed before all workers and the alumni in general, was that of "Give and Get." The entire responsibility for the success of the campaign rested with the alumni. It was vital that what could not be given to complete the total had to be gotten from interested outside individuals and organizations. Thus the work was divided, I. W. Litchfield conducting the "Give" side from the office, and the "Get" side being under the direction of W. H. Walker. The work in the Middle-Western districts was greatly stimulated by the visits of President Maclaurin and Coleman duPont during a two weeks' trip at the opening of the drive.

On the evening of January 10th the alumni celebrated the successful termination of the campaign at a banquet held in Walker Memorial. This jubilee occasion proved to be the mightiest gathering of graduates that has ever occurred, fifteen hundred being present. Addresses were made by many prominent alumni and friends of the Institute, including several
who had been actively identified with the Fund. General duPont, president of the Alumni Association, presided.

The evening possessed one feature of greatest disappointment. This was the inability of President Maclaurin to be present at this event which marked the crowning glory of his career. At the very time, he was confined to his bed, fighting a fatal illness, though its serious nature was not then realized by any one.

Dr. Maclaurin's address was read to the gathering by Professor Sedgwick. At the very close of the program, General duPont made the announcement which all had been so eagerly awaiting—"that Mr. George Eastman was 'Mr. Smith.'"

The campaign thus completed, all within a period of only seventy days, is a most certain credit and honor to the legion of loyal alumni and friends who gave of time, energy, and means. They had a huge job to perform—and they did it!

The Division of Industrial Coöperation and Research

Concurrent with the building up of the new Endowment Fund was the inception of the Division of Industrial Coöperation and Research, frequently characterized as "The Technology Plan." This new department is designed to act as a clearing-house for industrial knowledge. Through it, all the resources of the Institute are made available to American industry. Definite contracts between interested manufacturing concerns and Technology are entered into. In return for the payment of agreed-upon retaining fees, the concerns are enabled to consult members of the Institute staffs relative to their engineering and scientific problems, make use of the libraries, have investigations and tests performed in the various laboratories, and possess definite touch with the trained engineers which the Institute produces.

Dr. William H. Walker, former head of the Research Laboratory of Applied Chemistry, has been placed at the head of this important new work. His earlier accomplishments make it evident that he is the right person for the position.

The adoption of the Plan is well considered the most vital step the Institute has ever taken since its founding. Through real coöperation and closer contacts between the two greatest factors of industrial life—the training school and the manufacturing plant—there should be no limit to the development and real achievements which result.
THE history of the Post War Class of 1918 dates no farther back than the official opening of Technology in October, 1919. The association of its members with Institute life, however, began in 1914, but was interrupted at the beginning of the war in 1917.

Returning from England, France, Russia, Germany, and various localities in the United States and its colonies after completion of their government service, fifty men, comprising approximately fifteen per cent of the
former class of 1918, returned to the Institute to obtain their degrees. To perpetuate the ties formed several years back in the original class, the "Post War Class of 1918" was organized, and the first meeting was held on October 23, 1919, at which officers were elected. Several successful dinners were held in the Walker Memorial on subsequent dates, which were also attended by alumni members of the class.

Twenty-two members of the class held commissions in the Army and Navy at the time of discharge. Twenty members served overseas.

The Post War Class of 1918 holds in fond memory those former classmates who sacrificed their lives in the Great War.

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**John McClelland Abrams, ФГΔ**
Butler, Pa., Born February 1, 1894.
Prepared at Washington and Jefferson College.
Chemical Engineering.
Chemical Society.

*Entered Sophomore Year.*

**Franklin Andrews Bemingham** "Frank"
Allston, Mass., Born October 6, 1895.
Prepared at Newton High School.
Architecture.
Frieze and Cornice; Architectural Society (1, 2, 3, 4).
Assistant Art Editor, Technique 1919.
Assistant Athletic Editor, The Tech (1).

*Entered Freshman Year.*
Erving Goodwin Betts "Betsey"
Newburyport, Mass., Born September 14, 1895.
Prepared at Newburyport High School.
Electrical Engineering.
Electrical Engineering Society (2, 3, 4).
Captain C.A.C., A.E.F.
Entered Freshman Year.

Carleton Woodman Blanchard, ΚΣ "Carl"
Abington, Mass., Born July 30, 1895.
Prepared at Abington High School.
Engineering Administration.
Baseball (2, 3).
M. I. T. Orchestra (3, 4).
Royal Air Force, Pursuit Pilot; Second Lieutenant U. S. Air Service, A. E. F.
Entered Freshman Year.

Henry Millet Blank, ΔΤΑ "Harry"
Glen Ridge, N.J., Born May 2, 1896.
Prepared at Phillips Andover Academy.
Walker Club; ΚΣ: Chemical Society (2); Corporation XV (3, 4); President (4).
Tug-o-War (2); Manager Baseball (2); Technique Electoral Committee (2); Executive Committee (4); Societies Editor, Technique 1918.
Secretary Interfraternity Conference (3); Treasurer Institute Committee (4); Chairman Finance Committee (4); Treasurer M. I. T. Athletic Association (4).
In Service June, 1917-January, 1919.
Entered Freshman Year.

Harold Nicholson Blount "Nick"
Prepared at Everett High School.
Engineering Administration.
Mechanical Engineering Society (3, 4); Corporation XV (3, 4).
United States Navy, February, 1918-December, 1918.
Entered Freshman Year.
POST WAR CLASS OF 1918

Invald Theodore Braaten, B.A. "Ing"
Northfield, Minn., Born July 21, 1894.
Prepared at St. Olaf's College, Northfield, Minn.
Electrical Engineering.
Electrical Engineering Society (4).
Tech Show (3); Glee Club (3, 4).
First Lieutenant Field Artillery, A.E.F., September, 1917-April, 1919.
Entered Junior Year.

Douglas Riley Buchanan, B.E. "Doug"
Prepared at Lowell High School.
Mechanical Engineering.
Naval Architectural Society (2, 3); Aéro Club (3).
Freshman Track.
Varsity Track (1, 2); Dormitory Committee (3).
Entered Freshman Year.

James Marion Bugbee, O. A. X
Boston, Mass., Born April 14, 1896.
Prepared at Winchester High School.
Mining Engineering and Metallurgy.
Mining Engineering Society (2, 3, 4).
Wrestling Team, Assistant Manager (3, Manager (4).
Radio Intelligence Section, A.E.F., August, 1918-July, 1919.
Entered Freshman Year.

Ralph John Busbee "Bush"
Prepared at Newburyport High School.
Sanitary Engineering.
Civil Engineering Society (3, 4).
Entered Freshman Year.
Edwin John Cameron  "Cam"
Cambridge, Mass., Born September 17, 1895.
Prepared at Rindge Technical School, Cambridge.
Biology and Public Health.
Medical Corps, Harvard Unit Number 5, A. E. F.,
Entered Freshman Year.

James Lomax Clark, Xφ  "Bud"
Newton, Mass., Born October 6, 1894.
Prepared at Newton High School.
Engineering Administration.
Mandolin Club (1, 2, 3); Glee Club (2, 3).
Technology Pageant (2).
Bureau of Mines, War Gas Investigation, Octo-
ber 1917–January, 1918. Sergeant, Infantry, May
–December, 1918.
Entered Freshman Year.

Norman Dawson, ΔΤ  "Norm"
Prepared at Needham High School.
Sanitary Engineering.
Civil Engineering Society (1, 2, 3, 4).
Football (2); Relay Team (3).
Varsity Track (3); Glee Club (4).
Second Lieutenant Field Artillery, A. E. F.,
Entered Freshman Year.

Harry Howland Fisk, B.A.  "Fiskie"
Green Bay, Wis., Born February 8, 1895.
Prepared at West Green Bay High School and
Lawrence College.
Civil Engineering.
Vectors; Masonic Club (4); Electrical Engineer-
ing Society (2); Civil Engineering Society (4).
Glee Club (1, 2, 4); Mandolin Club (4).
Entered Junior Year.
POST WAR CLASS OF 1918

Thomas Smith Fogarty
Plymouth, Mass., Born December 30, 1892.
Prepared at Plymouth High School.
Engineering Administration.
Corporation XV (3); Chemical Society (2, 3);
Masonic Club (3, 4),
Corporal, Chemical Warfare Service.

Entered Freshman Year.

Stailey Hamilton Franklin "Stan"
Providence, R.I., Born July 2, 1896.
Prepared at Providence English High School.
Chemical Engineering.
Chemical Society (2, 3, 4); Rifle Club (2),

Entered Freshman Year.

Herbert Willard Hatch "Romanesque"
Brockton, Mass., Born April 13, 1895.
Prepared at Brockton High School.
Architectural Engineering.
Architectural Society (2, 3, 4); Architectural Engineering Society (3);
Civil Engineering Society (4),

Entered Freshman Year.

James Clark Irwin, Jr. "Jim"
Prepared at Newton High School.
Chemical Engineering.
Chemical Society (2, 3, 4); Rifle Club (1, 2, 3, 4).
Rifle Team (2),

Entered Freshman Year.
Bedros Kamsenian, B.A. "Kemmy"
Cairo, Egypt, Born October 31, 1889.
Prepared at the American Evangelical School, Cairo,
Egypt, and the Syrian Protestant College, Beyrouth, Syria.
Mechanical Engineering.
Mechanical Engineering Society (2, 3, 4); Cosmopolitan
Club (1, 2, 3, 4); Armenian Students Union (1, 2, 3, 4).
Technology Christian Association, Committee Member
(3).
Ammunition Work, Inspection of Shells.
Entered Freshman Year.

Garland Lufkin "Luf"
Prepared at Somerville High School.
Engineering Administration.
Second Lieutenant Engineers, A. E. F., May,
1917-July, 1919.
Entered Freshman Year.

David Meconkey McFarland, B0II "Packey"
West Chester, Pa., Born May 13, 1897.
Prepared at West Chester High School.
Chemical Engineering.
K.S.
Class Secretary (3, 4); Alumni Secretary of Class;
Class Relay (2); Class Baseball (1); Wrestling (1, 2),
Captain (2).
Junior Prom Committee (1); Technique Editorial Com-
mittee (2); Assistant Manager Wrestling (3), Manager
(4); M. I. T. A. A. (4).
Potassium Nitrate Division, Ordnance Department.
Entered Freshman Year.

William Rodney MacLeod "Mac"
Prepared at Lowell High School.
Engineering Administration.
Corporation XV (2, 3, 4); Masonic Club (4).
First Lieutenant, Tank Corps.
Entered Freshman Year.
POST WAR CLASS OF 1918

Donald Berthold Parkinson, ΔΚΕ "Crip"
Los Angeles, Calif., Born August 10, 1895.
Prepared at Los Angeles High School.
Architecture.
Beaver Club; Friese and Cornice; Architectural Society
(2, 3, 4).
Election Committee (4).
Swimming Team (3).
Entered Freshman Year.

Earle Robinson Pickett "Fick"
Prepared at Haverhill High School and Rensselaer Polytechnic Institute.
Biology and Public Health.
Entered Sophomore Year.

Bernard Orville Pinkham “Bunny”
Roxbury, Mass., Born May 4, 1895.
Prepared at Boston English High School.
Mechanical Engineering.
Mechanical Engineering Society (2, 3, 4).
Tiger-War (1, 2).
Sergeant, Sanitary Corps, November, 1917–August, 1918.
Entered Freshman Year.

John Coleman Purves, ΨΨ "Jack"
Chestnut Hill, Phila., Pa., Born March 6, 1896.
Prepared at Germantown Friends School.
Mechanical Engineering.
Civil Engineering Society (2, 3, 4); Mechanical Engineering Society (4).
The Tech, News Board (1).
Private, 1st Class, Engineer Corps, November, 1917–December, 1918.
Entered Freshman Year.
Edward Ročal "Rogue"
Boston, Mass., Born June 12, 1894.
Prepared at Yale University.
First Lieutenant, Pilot, United States Air Service.
Entered Freshman Year.

Edwin Forrest Rossman, BOII "Runt"
St. Louis, Mo., Born August 5, 1893.
Prepared at Soldau High School and Case School of Applied Science.
Mechanical Engineering.
Tech Monthly, Publicity Manager (4).
Supply Train, A. E. F.
Entered Sophomore Year.

William Patrick Ryan, BOII "Bill"
West Medway, Mass., Born March 11, 1895.
Prepared at Phillips Andover Academy.
Chemical Engineering.
Osius; R.S.
Class Football (1, 2); Technique Electoral Committee (2); Technique 1918, Athletic Editor.
The Tech, Editorial Board (3); M. I. T. A. A., President (4); Advisory Council on Athletics (4); Institute Committee (4).
Second Lieutenant, Chemical Warfare Service.
Entered Freshman Year.

Edward James Shields "Ed"
Somerville, Mass., Born May 10, 1895.
Prepared at Somerville High School.
Architecture.
Architectural Society (2, 3, 4); Catholic Club (3); Friar and Corsican.
Ensign, United States Naval Reserve Force.
Entered Junior Year.
Hampton Francis Shirer, A.B., TAII "Hamp"
Topeka, Kan., Born October 10, 1904.
Prepared at Washburn College.
Architecture.
First Class Sergeant, United States Army Ambulance Service, June, 1917-February, 1919.
Entered Junior Year.

Roy Merton Simpson "Simmie"
West Somerville, Mass., Born March 31, 1896.
Prepared at Somerville High School.
Mechanical Engineering.
Mechanical Engineering Society (2, 3, 4).
Captain, United States Marines.
Entered Freshman Year.

Frederick Carroll Spooner "Fredie"
Prepared at Colby Academy and Colgate University.
Aeronautical Engineering Society (2); Mechanical Engineering Society, Secretary (4).
Class Baseball (1, 2); Delegate to Student Volunteer Convention (4).
Foreman Hull Construction, Philadelphia, Pa., Officers' Training Camp, Field Artillery.
Entered Freshman Year.

Henry Caldwell Stephens, BOII "Hank"
Wheeling, W. Va., Born June 9, 1896.
Prepared at Wheeling High School.
Mining Engineering and Metallurgy.
Mining Engineering Society (1, 2, 3, 4); Chemical Society (1, 2); Aeronautical Engineering Society (4).
Class Track (1, 2).
Track Team (1, 2, 3, 4), Wearer of the "T."
Superintendent Steel Construction Works, June, 1917-August, 1918; Officers' Training Camp, Field Artillery, August, 1918-December, 1918.
Entered Freshman Year.
Brainerd Alden Thresher, ΣΧ "Bat"
Dayton, Ohio, Born May 17, 1896.
Prepared at Hotchkiss School.
Engineering Administration.
Choral; ΚΣΘ; Beaver Club; Walker Club; Chemical Society (2, 3, 4); Corporation XV (1, 3, 4).
The Tech, News Board (1), Managing Editor (2);
Tech Night Committee (4);
Students' Army Training Corps; Engineers Reserve Corps.
Entered Freshman Year.

Frank Alva Travers "Frank"
Haverhill, Mass., Born March 9, 1897.
Prepared at Haverhill High School.
Chemical Engineering.
K,S.
Glee Club (2, 4).
Private, 1st Class, U. S. Army Medical Corps,
August, 1918–September, 1919.
Entered Freshman Year.

Armin Adams Uebelacker
Hackensack, N.J., Born May 28, 1894.
Prepared at Princeton University.
Chemical Engineering.
First Lieutenant, Field Artillery, August, 1917–September, 1919.
Entered Junior Year.

Donald Dann Warner "D.D."
Swampscott, Mass., Born February 25, 1895.
Prepared at Boston English High School.
Engineering Administration.
Chemical Society (2, 3, 4); Corporation XV (3, 4).
President War Class of 1918.
Musical Clubs (1, 2).
First Lieutenant, Air Service, A. E. F.
Entered Freshman Year.
Franklin Henry Wells
Prepared at Winthrop High School.
Mechanical Engineering Society (2, 3, 4); Wireless Society.
Tug-of-War (2).
The Tech (1).
Entered Freshman Year.

George Roland White, BOII “Rolie”
Steelton, Pa., Born November 10, 1892.
Prepared at Oberlin College.
Engineering Administration.
Corporation XV (1); Civil Engineering Society (4).
Class Executive Committee (3, 4).
Tech Show (1); Technique Electoral Committee (2);
Technique Board (3).
101st Engineers, 26th Division, A. E. F.
Entered Freshman Year.

Amory Leland Williams, VT
Woodstock, Vt., Born December 14, 1892.
Prepared at Phillips Academy and Williams College.
Architecture.
Frieze and Cornice; Architectural Society (1, 2, 3, 4).

Jacob Young “Joe”
Winthrop, Mass., Born October 16, 1895.
Prepared at Boston English High School.
Electrical Engineering.
Electrical Engineering Society (3, 4).
Machinist, Atlantic Works, Boston.
Entered Freshman Year.
CLASS OF 1920

CLASS OFFICERS

President
Norris Greenleaf Abbott, Jr.

Vice-President
Kenneth Fellows Akers

Secretary
Kenneth Jacob Roman

Treasurer
David Lewis Fiske

INSTITUTE COMMITTEE
John Crandon Nash
Edwin Delamater Ryer

EXECUTIVE COMMITTEE
Merrill Bernard Knox
Robert Patterson
Norris Greenleaf Abbott, Jr., ΣΑΕ "Noe"
Providence, R.I., Born January 20, 1898.
Prepared at Providence Technical High School.
Mechanical Engineering.
Mechanical Engineering Society (2, 3, 4); Beaver Club;
Walker Club: Oriris; Theta Tau.
Football (1, 2); Baseball (1); Wrestling (2); Class
President (4).
Tech Show Chorus (1); Technique Electric Committee
(2); Editor-in-Chief Technique 1920; Vice-President ΣΑΕ.
A. (2); Budget Committee (3); Institute Committee (3, 4);
Delegate Leader at Student Volunteer Convention (4).
Entered Freshman Year.

Kenneth Fellows Akers, ΣΑΑ "Ken"
Brookline, Mass., Born August 2, 1898.
Prepared at Brookline High School.
Engineering Administration.
Corporation XV (2, 3, 4), Director (4); Masque; Theta
Tau.
Institute Committee (3); Class Vice-President (4); Musical
Clubs (1, 2, 3, 4); Tech Show Chorus (1); Tech Show
Cast (2); Societies Editor, Technique 1920; Junior Prom
Committee (3); Chairman, Tech Night Committee (4).
Entered Freshman Year.

Carleton Ernest Alexander "Aleck"
St. Albans, Vt., Born March 28, 1898.
Prepared at St. Albans High School.
Mechanical Engineering.
Mechanical Engineering Society (2, 3, 4).
Entered Freshman Year.

Lawrence Herman Allen "Mac"
Attleboro, Mass., Born November 5, 1898.
Prepared at Attleboro High School.
Electrical Engineering.
Electrical Engineering Society (2, 3, 4); Wireless Society (1, 4).
Crew (1).
Entered Freshman Year.
George William Anderson "Andy"
Dorchester, Mass., Born April 19, 1897.
Prepared at Mechanic Arts High School, Boston.
Civil Engineering.
Civil Engineering Society (4).
Entered Freshman Year.

Valborg Adele Aschehoag "Askerhow"
Fredrikshald, Norway, Born September 21, 1896.
Prepared at University of Christiania, Norway.
General Science.
Cleofan (1, 4), Treasurer (4); Cosmopolitan
Club (3, 4).
Entered Junior Year.

Prentice Durley Ash, XΦ "Pete"
Brooklyn, N.Y., Born August 27, 1897.
Prepared at The Hill School.
Engineering Administration.
Corporation XV (2, 3); Beaver Club (2); Air Service
Club (3).
Class Relay Team (1, 2); Varsity Track Team (1, 2, 3);
Technique Electoral Committee (2); Undergraduate En-
dowment Fund Committee (4).
Entered Freshman Year.

Arthur Clark Atwater, KΣ "Art"
Newburyport, Mass., Born April 22, 1899.
Prepared at Newburyport High School.
Chemical Engineering.
Chemical Society (2, 3, 4), President (3, 4);
Rike Club (2, 3), Vice-President (2), President
(3); Alpha Chi Sigma.
Entered Freshman Year.
S. Heliodoro Ayala, ΠΔΦ
Ibarra, Ecuador, Born February 15, 1893.
Prepared at Central University, Quito, Ecuador.
Civil Engineering Society (3, 4); Cosmopolitan Club (2, 3, 4); Latin-American Club (1, 2, 3, 4).
Entered Freshman Year.

Frank Madison Babbitt, ΚΣ "Red"
Fairhaven, Mass., Born June 14, 1895.
Prepared at Massachusetts Agricultural College.
Mechanical Engineering.
Mechanical Engineering Society (2, 3, 4).
Class Relay Team (2).
Entered Sophomore Year.

Edward Franklin Badger "Badge"
Hyde Park, Mass., Born July 12, 1897.
Prepared at English High School, Boston.
Mechanical Engineering.
Mechanical Engineering Society (2, 3, 4); Aeronautical Engineering Society (4).
Football (1, 2); Wrestling (1, 2).
Entered Freshman Year.

Ernest George Bangratz, ΘΧ "Banny"
Boston, Mass., Born January 10, 1899.
Prepared at English High School, Boston.
Electrical Engineering.
Electrical Engineering Society (2, 3, 4); Cosmopolitan Club (1, 2).
Entered Freshman Year.
William Norman Barron, 2AM "Bill"  
Prepared at Springfield High School.  
Mining Engineering and Metallurgy.  
Mining Engineering Society (2, 3, 4).  
Class Tennis Team (1).  
Varsity Tennis Team (2, 3), Wearer of the "T."  
Entered Freshman Year.

Herbert Franklin Bates "Arlo"  
Brockton, Mass., Born August 27, 1898.  
Prepared at Brockton High School.  
Chemical Engineering.  
Chemical Society (2, 3, 4); Rife Club (3);  
Alpha Chi Sigma.  
Entered Freshman Year.

Karl David Bean "??"  
Boston, Mass., Born August 12, 1899.  
Prepared at Winchester High School.  
Mechanical Engineering.  
Mechanical Engineering Society (3, 4); Rife Club (3).  
M.I.T. Orchestra (1, 2, 3), Publicity Manager (3); The Tech, Sales Manager (1); Tech Show (1, 2, 3).  
Entered Freshman Year.

Minor Millikin Beckett, 4TA "Pete"  
Hamilton, Ohio, Born December 9, 1896.  
Prepared at Hamilton High School.  
Chemical Engineering.  
Chemical Society (2, 3, 4); Masque; KeS.  
Assistant Business Manager Tech Show (2);  
Tech Show, Treasurer (3).  
Entered Freshman Year.
Jean Edgar Béique, ΑΦ "Murphy"
Montreal, P.O., Born August 29, 1898.
Private Tutor.
Civil Engineering.
Civil Engineering Society (3, 4); Cosmopolitan Club.
Entered Freshman Year.

Harold Housley Bennett, ΣΧ "Hal"
Denver, Col., Born August 8, 1896.
Prepared at East Denver High School and University of Colorado.
Civil Engineering.
Civil Engineering Society (3, 4).
Entered Junior Year.

Paul Matthew Berko "P.M."
Lynn, Mass., Born January 1, 1899.
Prepared at Lynn English High School.
Civil Engineering.
Civil Engineering Society (2, 3, 4).
Entered Freshman Year.

Harold Whitney Bibber, ΘX "Bibs"
Gloucester, Mass., Born March 12, 1899.
Prepared at Gloucester High School.
Electrical Engineering.
Electrical Engineering Society (2, 3, 4); Aéronautical Engineering Society (4); Rifle Club (4); Radio Club (2).
Entered Freshman Year.
Franklin Henry Blackmer "Blackee"
Melrose, Mass., Born March 6, 1899.
Prepared at Melrose High School.
Engineering Administration.
Corporation XV (2, 3, 4); Civil Engineering Society (3, 4).
The Tech (1).

Entered Freshman Year.

George Bliss, ΣΧ "Eva"
New York, N.Y., Born July 30, 1896.
Prepared at Georgetown University.
General Engineering.
Beaver Club.
The Tech, News Staff (2), Editorial Board (4).

Entered Sophomore Year.

Frederick William Boley, ΔT "Fritz"
Buenos Aires, South America, Born March 4, 1897.
Prepared at Chauncy Hall School.
Architectural Engineering.
Architectural Society (2, 3, 4).
Track (1); Baseball (1, 2); Tug-o'-War (1, 2),
Captain (2); Technique Electoral Committee (2).

Entered Freshman Year, Class of 1919.

Ralph Douglas Booth "Phil"
Methuen, Mass., Born February 4, 1899.
Prepared at Methuen High School.
Electrical Engineering.
Electrical Engineering Society (2, 3, 4), Vice-
President: (4).

Entered Freshman Year.
Frederic Channing Bowditch, Jr., OX
“Freddie”
Brookline, Mass., Born October 16, 1897.
Prepared at Brookline High School.
Engineering Administration.
Corporation XV (2, 3, 4); Electrical Engineering Society (2, 3, 4); Wireless Society (1, 3, 4).
Tug-o'-War (1, 2).
Technology Monthly (1, 2).
Entered Freshman Year.

Harold George Bower “Hal”
Pasadena, Calif., Born June 30, 1899.
Prepared at Melrose (Mass.) High School and Dartmouth College.
Engineering Administration.
Corporation XV (2, 3, 4); Chemical Society (2); California Club (4).
Entered Sophomore Year.

Laurence Elbridge Boyden, AXA “Section”
Brookline, Mass., Born October 12, 1897.
Prepared at Brookline High School.
Electrochemical Engineering.
Alpha Chi Sigma; Electrical Engineering Society (2, 3, 4); Chemical Society (2, 3, 4).
Swimming Team (1); Manager Freshman Tennis Team (1); Assistant Manager Varsity Tennis Team (2), Manager (3); T. C. A. Student Activities Chairman (2, 3); Finance Committee (3); M. I. T. A. A. (1).
Entered Freshman Year.

Frank Leo Bradley, 4K “Brad”
Everett, Mass., Born July 21, 1897.
Prepared at Everett High School.
Mechanical Engineering.
Mechanical Engineering Society (2, 3, 4), Governing Board (1, 4).
Football (1, 2); Relay (1, 2); Track Team (1); Cross-Country (1).
Institute Committee (2, 3); Track Team; Boxing Team; Instructor Physical Training.
Entered Freshman Year.
Robert Ivan Bradley, ΔΤΔ “Bob”
Prepared at Tufts Engineering School.
Engineering Administration.
Banjo Club (3); Tech Show Chorus (3).
Entered Junior Year.

Stanley Bryant Bragdon, ΘΣ “Brag”
Westbrook, Me., Born October 5, 1897.
Prepared at Westbrook High School and Worcester Polytechnic Institute.
Engineering Administration.
Corporation XV (2, 3, 4); Mechanical Engineering Society (3, 4).
Entered Sophomore Year.

Edward Montgomery Britckett “Ed”
Lynn, Mass., Born March 31, 1898.
Prepared at Lynn Classical High School.
Mechanical Engineering.
Mechanical Engineering Society (2, 3, 4).
Sophomore Relay Team; Varsity Track Team (1, 2, 3).
Entered Freshman Year.

Frederick Schall Britton, AXA “Freddie”
Lexington, Mass., Born July 16, 1897.
Prepared at Lexington High School.
Mechanical Engineering.
Mechanical Engineering Society (2, 3, 4).
Masque; Aeronautical Engineering Society (4).
Tech Show Cast (2, 3, 4).
Entered Freshman Year.
Herman Broockmann, ΘΔΧ "Bevo"
New York, N.Y., Born January 17, 1899.
Prepared at Columbia University.
Civil Engineering.
Tug-o'-War (2).
Tennis Team (2, 3, 4), Captain (3, 4); M. I. T. A. A. (3, 4).
Entered Sophomore Year.

Adin Allea Brown, AXA "Skeets"
Taunton, Mass., Born October 29, 1897.
Prepared at Taunton High School.
Mining Engineering.
Mining Engineering Society (2, 3, 4), Secretary-
Treasurer (2), President (3, 4),
Tug-o'-War (2).
Entered Freshman Year.

David Paul Brown, ATΩ "Brownie"
Bethlehem, Pa., Born July 13, 1899.
Prepared at Quincy High School.
Naval Architecture and Marine Engineering.
Naval Architectural Society (2, 3, 4).
Entered Freshman Year.

George Irving Brown, ATΩ "Brownie"
Auburn, Me., Born August 13, 1896.
Prepared at Bates College.
Mechanical Engineering.
Mechanical Engineering Society (2, 3, 4), Treasurer (3, 4); Aeronautical Engineering Society (3, 4); Masonic Club (4); Rifle Club (4).
Institute Finance Committee (3, 4).
Entered Freshman Year.
Philip Sewall Brown, AXA “Phil”
Salem, Mass., Born April 11, 1898.
Prepared at Salem High School.
Engineering Administration.
Electrical Engineering Society (3, 4); Masque;
Corporation XV (2, 3, 4).
Tug-o'-War (2).
Tech Show (1, 2, 3).
Entered Freshman Year.

Dorothea DeWolf Brownell, XII “Dorri”
Bristol, R.I., Born October 16, 1893.
Prepared at George Washington University.
Architecture.
Chesos (2, 3, 4), Treasurer (2), President (1, 4);
Architectural Society (1, 2, 3, 4), Executive
Committee (4).
Assistant Art Editor Technique 1920.
Entered Freshman Year.

Samuel Albert Brunelle “Sam”
Holyoke, Mass., Born December 3, 1895.
Prepared at Holyoke High School.
Architecture.
Catholic Club (1, 2); Architectural Society
(1, 2, 3, 4); Frieze and Comic (3, 4).
Entered Freshman Year.

John Edward Buckley, Jr. “Buck”
Fitchburg, Mass., Born December 19, 1897.
Prepared at New Hampshire College.
Civil and Electrical Engineering.
Electrical Engineering Society (3, 4); Aéronautical Engineering Society (4);
Civil Engineering Society (4).
Football (2); Track (2).
Entered Freshman Year.
Harold Bugbee, θΔX “Hal”  
Boston, Mass., Born September 5, 1898.  
Prepared at Winchester High School.  
Engineering Administration.  
Corporation XV (1, 4).  
Tug-o-War (1).  
Tech Show Orchestra (1, 2, 3); Mandolin Club (2); Banjo Club (2).  
Entered Freshman Year.

Percy Bugbee, θΔX “Perk”  
Boston, Mass., Born September 5, 1898.  
Prepared at Winchester High School.  
Engineering Administration.  
Corporation XV (2, 3, 4); Treasurer (2); Director (4); Maque.  
Class Executive Committee (4); Tug-o-War (1, 2).  
Tech Show Staff (1, 2), Business Manager (1), General Manager (4).  
Entered Freshman Year.

Francis Joseph Bunker “Bunk”  
Belmont, Mass., Born March 17, 1897.  
Prepared at Cambridge High and Latin School.  
Chemical Engineering.  
Chemical Society (2, 3, 4).  
Relay Team (1).  
Entered Freshman Year.

Edwin Sharp Burdell, ΞΧ “Burdink”  
Columbus, Ohio, Born February 2, 1898.  
Prepared at Chauncy Hall School.  
Engineering Administration.  
Corporation XV (2, 3, 4); Pi Delta Epsilon; Stylus.  
The Tech (1, 2, 3, 4), News Staff (1), Night Editor (2), Assistant Managing Editor (3), Editor-in-Chief (4).  
Entered Freshman Year.
Alan Woolison Burke, ΦΒΕ “Al”
Pittsfield, Mass., Born January 20, 1898.
Prepared at Phillips Andover Academy.
Engineering Administration;
Corporation XV (2, 3, 4), Treasurer (4); Electrical
Engineering Society (3, 4); Wireless Society (1, 3, 4),
Treasurer (1); Aeronautical Engineering Society (4).
Baseball (1, 2); Track (2).
Glee Club (1, 2, 4); Finance Committee (3, 4); Com-
mittee on publication of “Concerning M. I. T.” (4).
Entered Freshman Year.

Arthur Edward Burke
Prepared at Watertown High School.
Biology and Public Health.
Entered Freshman Year.

Laurence Haskell Burnham, ΔΦ “Larry”
Lexington, Mass., Born October 11, 1898.
Prepared at Lexington High School.
Mechanical Engineering;
Masque; Mechanical Engineering Society (2, 3, 4);
Aeronautical Engineering Society (4).
Tech Show (2, 3).
Entered Freshman Year.

Reginald Geddes Burr “Reg”
Hingham, Mass., Born November 16, 1898.
Prepared at Hingham High School.
Electrical Engineering.
Electrical Engineering Society (2, 3, 4).
Entered Freshman Year.
Malcolm Sturtevant Burroughs, ΔΚΕ “Buzz”
Melrose, Mass., Born July 22, 1899.
Prepared at Melrose High School.
Engineering Administration.
Osrus; Beaver Club; Corporation XV (2, 3, 4); Board of Directors (2), Secretary (3), President (4).
Class Crew (1, 2), Captain (2); Technique Electoral Committee (2); Business Staff Technique 1919; Treasurer Technique 1920.
Musical Clubs (2, 3); Class Treasurer (3, 4); Inter-Fraternity Conference Treasurer (3); Smoker Committee (1); Finance Committee (2, 3); Budget Committee (4).
Entered Freshman Year.

George Henry Butts, ΦΧΣ “George”
Urbana, Ill., Born November 7, 1897.
Prepared at Urbana High School.
Mechanical Engineering.
Osrus; Beaver Club; Mechanical Engineering Society (2, 3, 4); Aeronautical Engineering Society (4).
Technique Electoral Committee (2); Technique 1919, Business Staff; Technique 1920, Business Manager (3); Chairman Finance Committee (3, 4); All Technology Smoker Committee (3, 4); Chairman S. A. T. C. Institute Committee (3); Inter-Fraternity Conference (3).
Entered Freshman Year.

Philip Joseph Byrne, Jr. “Phil”
Prepared at Boston English High School.
Chemical Engineering.
Chemical Society (2, 3, 4); Catholic Club (1, 2, 3, 4); English High Club (1, 2).
Entered Freshman Year.

Vaughn Johnnott Byrne, ΔΥ “By”
Merion Station, Pa., Born September 5, 1899.
Prepared at Phillips Exeter Academy.
Chemical Engineering.
Chemical Engineering Society (2, 3, 4); K, S; Exeter Club (1).
Class Treasurer (3), resigned.
Entered Freshman Year.
Harold Biedler Caldwell, 6A X “Hank”  
Mt. Vernon, N.Y., Born January 18, 1898.  
Prepared at Columbia University.  
Chemical Engineering.  
Chemical Society (1, 2, 3, 4); Aeronautical  
Engineering Society (3, 4), Vice-President (3).  
Track (2).  
Entered Sophomore Year.

Oswald Cammann, Jr., 2X “Os”  
Dayton, Ohio, Born December 8, 1896.  
Prepared at Asheville School, Asheville, N.C.  
Engineering Administration.  
Beaver Club; Walker Club; Corporation XV (2, 3, 4).  
Institute Committee (1); Captain Tug-o-War (1).  
The Tech, Assistant Manager (1, 2), Circulation Man-  
age (2, 4), Assistant Treasurer (3); Photographic Ed-  
tive Technique 1919.  
Entered Freshman Year. Class of 1919.

Count Brooke Capps, 8011 “Count”  
Fort Worth, Tex., Born July 11, 1897.  
Prepared at Castle Heights School, Lebanon, Tenn.  
Engineering Administration.  
Orris; Walker Club; Pi Delta Epsilon; Stylus; Mechanical  
Engineering Society.  
The Tech, News Staff (1), News Board (1), Night Ed-  
tor (2), Managing Editor (2), Editor-in-Chief (3), Gen-  
eral Manager (4); Chairman Bulletin Board Committee  
(3); Finance Committee (1); Institute Committee (4);  
Inter-Fraternity Council, Executive Committee (4).  
Entered Freshman Year.

Charles Du Bois Carleton, 9X “Bink”  
New York, N.Y., Born January 7, 1899.  
Prepared at Mohogan Lake School.  
Chemical Engineering.  
Chemical Society (2, 3, 4); Rifle Club (1, 4).  
Track (3, 4).  
Entered Freshman Year.
Carl Edward Carlson "Carl"
West Hartford, Conn., Born March 10, 1898.
Prepared at West Hartford High School.
Chemical Engineering.
Chemical Engineering Society (1, 2, 3, 4).
Entered Freshman Year.

Edward Vincent Carroll, ΦK "Ed"
Fall River, Mass., Born April 1, 1899.
Prepared at B. M. C. Durfee High School.
Mechanical Engineering.
Mechanical Engineering Society (2, 3, 4); Catholic Club (2, 3, 4).
Entered Freshman Year.

Bartholomew Francis Casey, ΔΚΕ "Bart"
Bridgewater, Mass., Born August 28, 1895.
Prepared at Bridgewater High School.
Mechanical Engineering.
Theta Tau; Mechanical Engineering Society (2, 3, 4).
Football (1, 2), Captain (2).
Technique Electoral Committee (2); Executive Committee (3).
Entered Freshman Year.

Warren Leland Chaffin "Chaffee"
Prepared at Dedham High School.
Engineering Administration.
Corporation XV (3, 4); Mechanical Engineering Society (3, 4).
Tech Show (2).
Entered Freshman Year.
Ming-Cheng Chou  "Chou"
Shanghai, China, Born April 3, 1898.
Prepared at Tsing-Hua College and University of Cincinnati.
Mechanical Engineering.
Chinese Club (3, 4), President (4); Cosmopolitan Club (3, 4); Mechanical Engineering Society (4); Aeronautical Engineering Society (4).
*Entered Junior Year.*

Ki Kee Chun  "Potassium-Iodide"
Shanghai, China, Born November 24, 1896.
Prepared at Springfield Technical High School.
Engineering Administration.
Chinese Club (1, 2, 3, 4); Cosmopolitan Club (1, 2, 3, 4); Corporation XV (1, 2, 3, 4); Electrical Engineering Society (3, 4); Mechanical Engineering Society (3, 4); Tech Show (1).
*Entered Freshman Year.*

Bradford Judson Clark, Ox  "X"
Hartford, Conn., Born March 5, 1898.
Prepared at Hartford High School.
Chemical Engineering.
Chemical Engineering Society (1, 2, 3, 4).
Tech Show Chorus (1, 2).
*Entered Freshman Year.*

Eugene Kenneth Clark
Prepared at Ashland High School.
Architectural Engineering.
Architectural Society (2, 3, 4); Civil Engineering Society (2, 3, 4).
*Entered Freshman Year.*
Myron Harrison Clark, ΣΑΕ “Back”
Concord, Mass., Born May 7, 1897.
Prepared at Concord High School.
Mechanical Engineering.
Mechanical Engineering Society (2, 3, 4); Theta Tau.
Football (1); Tag-o-War (2); Baseball Manager (3).
Entered Freshman Year, Class of 1919.

Ormand Wesley Clark
Somerville, Mass., Born May 14, 1898.
Prepared at Lawrence High School.
Electrochemical Engineering.
Chemical Society (2); Electrical Engineering Society (2, 3, 4).
Entered Freshman Year.

Henry Conyn Clayton “Hen”
Canton, Mass., Born April 29, 1894.
Prepared at Canton High School.
Electrochemical Engineering.
Chemical Society (4); Electrical Engineering Society (4); Aeronautical Engineering Society (4); Wireless Society, Treasurer (3).
Entered Freshman Year, Class of 1917.

Archie Prentiss Cochran, XF “Arch”
Louisville, Ky., Born March 28, 1898.
Prepared at Louisville Boys’ High School.
Engineering Administration.
Corporation XV (2, 3, 4); Air Service Club (3, 4); Beaver Club.
Ballet, Tech Show (1).
Entered Freshman Year.
Warren Louis Cofren, KΣ "Bud"
Boston, Mass., Born September 8, 1898.
Prepared at Melrose High School.
Engineering Administration.
Gymnastics: Walker Club, Secretary-Treasurer (4); KΣ;
Beaver Club; Corporation XIV (2, 3, 4), Director (3);
Secretary (4); Chemical Society (2, 3, 4), Treasurer (3);
Junior Prom Committee (1); Executive Committee (3);
Manager Class Relay (1, 2).
Entered Freshman Year.

Howarth Cody Collins "How"
Norwich, Conn., Born August 29, 1898.
Prepared at Norwich Free Academy.
Chemical Engineering.
Chemical Society (2, 3, 4), Secretary (3); Aeronautical Engineering Society (4); Alpha Chi Sigma.
Entered Freshman Year.

Richard Horace Coombs "Dick"
Waltham, Mass., Born January 9, 1896.
Prepared at Waltham High School.
Biology and Public Health.
Entered Freshman Year, Class of 1919.

George Theodore Corr "Mickey"
Cambridge, Mass., Born November 9, 1898.
Civil Engineering.
Catholic Club (1, 2, 3, 4); Civil Engineering Society (3, 4).
Entered Freshman Year.
Henry Ruffner Couch “Hank”  
Charleston, W. Va., Born October 18, 1895.  
Prepared at Virginia Military Institute.  
Chemical Engineering.  
Chemical Society (2, 3, 4), Vice-President (1);  
Alpha Chi Sigma.  
Class Track Team (1, 2, 3, 4).  
Glee Club (3, 4); Varsity Track Squad (1, 2, 3, 4).  
Entered Freshman Year.

Edward Joseph Coughlin, 4K “Colin”  
Prepared at Maynard High School.  
Architecture.  
Architectural Society (2, 3, 4); Catholic Club  
(2, 3, 4), President (3).  
Class Track Team (2).  
Track Squad (2, 3, 4).  
Entered Freshman Year.

Edward Cousins “Ed”  
Chicopee, Mass., Born February 11, 1898.  
Prepared at Chicopee High School.  
Chemical Engineering.  
Chemical Society (2, 3, 4).  
Entered Freshman Year.

John Henry Coyle, KZ “Jack”  
Hartford, Conn., Born December 29, 1897.  
Mechanical Engineering.  
Mechanical Engineering Society (2, 3, 4); Stylus.  
Technique Electoral Committee (2); Technology War Records Committee (4); Tech Night Committee (4).  
The Tech, News Staff (1), Athletic Editor (2, 3);  
Technique 1920, Grinds Editor.  
Entered Freshman Year.
John William Arthur Crowley, Jr., 4K
"Hans"
Roxbury, Mass., Born May 24, 1899.
Prepared at Mechanic Arts High School, Boston.
Mechanical Engineering.
Mechanical Engineering Society (3, 4); Catholic Club (1, 4).

Entered Freshman Year.

George Harwood Cutter "Cutt"
Boston, Mass., Born September 16, 1899.
Prepared at Mechanic Arts High School, Boston.
Mechanical Engineering.
Mechanical Engineering Society (3, 4).
Swimming Squad (2, 4).

Entered Freshman Year.

Hobart Oakes Davidson, B.S., ΦΒΚ, ΒΟΠ
"Dave"
Holland Patent, N.Y., Born November 28, 1891.
Prepared at Colgate University.
Mechanical Engineering.
Theta Tau; Walker Club; Mechanical Engineering Society (3, 4), President (3, 4).
Glee Club (2, 3, 4), Leader (4); Glee Club Quartet (2, 3, 4); Institute Committee (3, 4).

Entered Sophomore Year.

Kenneth Seymour Moorhead Davidson, ΔΤΑ
"Ken"
Buffalo, N.Y., Born February 9, 1898.
Prepared at Nichols School.
Mechanical Engineering.
Thea Tau; Walker Club, President (4); Mechanical Engineering Society (2, 3, 4).
Class Tag-o'-War Team (2).
Tech Show Cast (2); Class Election Committee (3); Inter-Fraternity Council (4), Secretary (4).

Entered Freshman Year, Class of 1919.
Harmon Bridwell Deal, AXA "Harm"
Cape Girardeau, Mo., Born April 6, 1897.
Prepared at Charleston High School and Missouri State College.
Electrical Engineering.
Electrical Engineering Society (2, 3, 4), President (3, 4),
Institute Committee (3, 4).
Entered Sophomore Year.

John De Meulenaer "Demi"
South Boston, Mass., Born May 22, 1898.
Prepared at Mechanic Arts High School.
Civil Engineering.
Civil Engineering Society (3, 4),
Wrestling Team (1).
Entered Freshman Year.

George Fénélon Des Marais "J" Boston, Mass., Born December 18, 1897.
Prepared at Boston English High School and Norwich University.
Mechanical Engineering.
English High School Club (2); Rifle Club (4);
Mechanical Engineering Society (3, 4).
Entered Sophomore Year.

William Faraham Dewey "Bill"
Prepared at Searles High School and Williams College.
Mechanical Engineering.
Mechanical Engineering Society (2, 3, 4), Vice-Chairman (4).
Entered Freshman Year.
Harold Edgerton Dimnick, KA “Din”
Westfield, N.Y., Born January 14, 1895.
Prepared at Asheville School and Lehigh University.
Chemical Engineering.
Chemical Society (2, 3, 4).
Entered Sophomore Year, Class of 1919.

Foster Parker Doane, Jr. “Dinger”
Arlington Heights, Mass., Born February 19, 1900.
Prepared at Arlington High School.
Chemical Engineering.
Cosmopolitan Club (3, 4); Aeronautical Engineering Society (4); Chemical Society (2, 3, 4).
Entered Freshman Year.

Albion Noyes Doe “Piker”
San Francisco, Cal., Born December 3, 1890.
Prepared at Alameda High School.
Engineering Administration.
Corporation XV; Electrical Engineering Society; California Club; Catholic Club; Mechanical Engineering Society.
Entered Freshman Year.

Henry Gerard Dooley “H. G. Mercury”
Boston, Mass., Born November 16, 1898.
Prepared at Boston English High School.
Engineering Administration.
Electrical Engineering Society (1); Catholic Club (1); Corporation XV (3, 4); M. I. T. Branch A. I. E. E. (4).
Tech Show, Orchestra (1), Cast (1, 2, 4).
Entered Freshman Year.
Arthur Leopold Dopmeyer "Dop"
Cleveland, Ohio, Born September 7, 1897.
Prepared at West High School, Cleveland, and Case School of Applied Science.
Civil Engineering.
Civil Engineering Society.
Entered Junior Year.

Herbert Reedy Dorr, FBE "Herb"
Dalton, Pa., Born March 13, 1896.
Prepared at Cambridge High and Latin School
Mechanical Engineering.
Mechanical Engineering Society (2, 3, 4),
Freshman Track; Varsity Track (2, 3, 4);
Varsity Cross-Country (2, 3, 4), Captain (3, 4),
Wearer of "T"; Mandolin Club (1); Glee Club
(1, 2, 3), Leader (3).
Entered Freshman Year.

Donald Lynd Dowling "Don"
Ridgewood, N.J., Born October 25, 1898.
Prepared at Ridgewood High School.
Rifle Club (1); Chemical Society (3, 4).
Entered Freshman Year.

Hugh Perrins Duffill "Duff"
Somerville, Mass., Born June 20, 1898.
Prepared at Somerville High School.
Civil Engineering.
Masonic Club (4); Civil Engineering Society
(3, 4),
Hockey Team, Assistant Manager (1), Manager (2).
Entered Freshman Year.
Albert Victor Dumas "Doom"
St. Casimir, P.Q., Canada, Born October 4, 1897.
Prepared at Quebec Technical High School.
Electrochemical Engineering.
Cosmopolitan Club (1, 2, 3, 4); Vice-President (2); President (3); A. I. E. E. (3, 4); Chemical Society (3); Institute Committee (3).
Entered Freshman Year.

Paul Hunt Duncan "Dunc"
Prepared at Wentworth Institute.
Architecture.
Entered Junior Year.

Freeman Huntington Dyke, BOff "Free"
New York, N.Y., Born November 23, 1897.
Prepared at Phillips Andover Academy.
Chemical Engineering.
Chemical Society (1, 2, 3, 4); Class Track Team (1); Class Cross-Country Team (1, 2); Class Relay Team (2); Varsity Cross-Country (2); Track Team (2, 3, 4).
Entered Freshman Year.

John Telford Elliott "Sp"
Newburyport, Mass., Born June 24, 1896.
Prepared at Newburyport High School.
Electrical Engineering.
Rifle Club (1, 2); Masonic Club (4); Electrical Engineering Society (2, 3, 4); VI-A Society (1).
Entered Freshman Year, Class of 1919.
Harmon Bridwell Deal, AXA "Harm"
Cape Girardeau, Mo., Born April 8, 1897.
Prepared at Charleston High School and Missouri State College.
Electrical Engineering.
Electrical Engineering Society (2, 3, 4); President (3, 4);
Institute Committee (3, 4).
Entered Sophomore Year.

John De Meulenaer "Demi"
South Boston, Mass., Born May 22, 1898.
Prepared at Mechanic Arts High School.
Civil Engineering.
Civil Engineering Society (3, 4).
Wrestling Team (1).
Entered Freshman Year.

George Fénelon Des Marais "?"
Boston, Mass., Born December 18, 1897.
Prepared at Boston English High School and Norwich University.
Mechanical Engineering.
English High School Club (2); Rifle Club (4);
Mechanical Engineering Society (3, 4).
Entered Sophomore Year.

William Farnham Dewey "Bill"
Prepared at Shafer's High School and Williams College.
Mechanical Engineering.
Mechanical Engineering Society (2, 3, 4); Vice-Chairman (4).
Entered Freshman Year.
Harold Edgerton Dimnick, KA "Dim"
Westfield, N.Y., Born January 14, 1895.
Prepared at Asheville School and Lehigh University.
Chemical Engineering.
Chemical Society (2, 3, 4).
Entered Sophomore Year, Class of 1919.

Foster Parker Doane, Jr. "Diager"
Arlington Heights, Mass., Born February 19, 1900.
Prepared at Arlington High School.
Chemical Engineering.
Cosmopolitan Club (3, 4); Aeronautical Engineering Society (4); Chemical Society (2, 3, 4).
Entered Freshman Year.

Albion Noyes Doe "Fiker"
San Francisco, Cal., Born December 3, 1890.
Prepared at Alameda High School.
Engineering Administration.
Corporation XV; Electrical Engineering Society; California Club; Catholic; Mechanical Engineering Society.
Entered Freshman Year.

Henry Gerard Dooley "H. G. Mercury"
Boston, Mass., Born November 16, 1898.
Prepared at Boston English High School.
Engineering Administration.
Electrical Engineering Society (1); Catholic Club (1); Corporation XV (3, 4); M. I. T. Branch A, I. E. E. (4).
Tech Show, Orchestra (1), Cast (1, 2, 4).
Entered Freshman Year.
Arthur Leopold Depmeier "Dog"
Cleveland, Ohio, Born September 7, 1897.
Prepared at West High School, Cleveland, and Case School of Applied Science.
Civil Engineering.
Civil Engineering Society.
Entered Junior Year.

Herbert Reedy Dorr, φBE "Herb"
Dalton, Pa., Born March 13, 1896.
Prepared at Cambridge High and Latin School.
Mechanical Engineering.
Mechanical Engineering Society (2, 3, 4).
Freshman Track; Varsity Track (2, 3, 4); Varsity Cross-Country (2, 3, 4), Captain (3, 4), Wearer of "T"; Mandolin Club (1); Glee Club (1, 2, 3), Leader (3).
Entered Freshman Year.

Donald Lynd Dowling "Don"
Ridgewood, N.J., Born October 25, 1898.
Prepared at Ridgewood High School.
Rifle Club (1); Chemical Society (3, 4).
Entered Freshman Year.

Hugh Perrins Dufill "Duff"
Somerville, Mass., Born June 20, 1898.
Prepared at Somerville High School.
Civil Engineering.
Masonic Club (4); Civil Engineering Society (3, 4).
Hockey Team, Assistant Manager (1), Manager (2).
Entered Freshman Year.
Albert Victor Dumas  "Doom"  
St. Casimir, P.Q., Canada, Born October 4, 1897.  
Prepared at Quebec Technical High School.  
Electrochemical Engineering.  
Cosmopolitan Club (1, 2, 3, 4); Vice-President (2); President (3); A. I. E. E. (3, 4); Chemical Society (1);  
Institute Committee (3).  
Entered Freshman Year.

Paul Hunt Duncan  "Dune"  
Prepared at Wentworth Institute.  
Architecture.  
Entered Junior Year.

Freeman Huntington Dyke, B0II  "Free"  
New York, N.Y., Born November 23, 1897.  
Prepared at Phillips Andover Academy.  
Chemical Engineering.  
Chemical Society (1, 2, 3, 4);  
Class Track Team (1); Chemical Cross-Country Team (1, 2); Class Relay Team (2);  
Varsity Cross-Country (2); Track Team (2, 3, 4).  
Entered Freshman Year.

John Telford Elliott  "P"  
Newburyport, Mass., Born June 24, 1896.  
Prepared at Newburyport High School.  
Electrical Engineering.  
Rifle Club (1, 2); Masonic Club (4); Electrical Engineering Society (2, 3, 4); VI-A Society (3).  
Entered Freshman Year, Class of 1919.
Carl Ambrose Ellis "Carl"
Waltham, Mass., Born July 20, 1898.
Prepared at Waltham High School.
Civil Engineering.
Civil Engineering Society (3, 4), Assistant Secretary (4).
Entered Freshman Year.

Alfred Augustus Ellsworth "Al"
Braintree, Mass., Born July 7, 1897.
Prepared at Braintree High School and Thayer Academy.
Biology and Public Health.
Tech Editorial Board (3, 4).
Entered Freshman Year.

Eric Llewellyn Etherington, 0Σ "Ed"
Cambridge, Mass., Born January 18, 1897.
Prepared at Cambridge High School.
Biology and Public Health.
Tech Show (1); Tech Monthly (1); The Tech.
Editorial Staff (2, 3).
Entered Freshman Year.

Harold Pearson Etter, ΚΣ "Snug"
Alameda, Cal., Born June 30, 1897.
Prepared at Alameda High School and University of California.
Civil Engineering.
Theta Tau (3, 4); California Club (4); Civil Engineering Society (3), President (4), Institute Committee (4).
Entered Junior Year.
Earle Chester Fairbrother, ΔΦ "E.C.
Toronto, Ont., Canada, Born March 17, 1898.
Prepared at University of Toronto.
Mining Engineering.
Mining Society (2, 3, 4).
Entered Freshman Year.

Herbert Gordon Fales, ΔΚΕ "Gus"
West Newton, Mass., Born July 14, 1896.
Prepared at Adirondack Florida School.
Mechanical Engineering.
 Theta Tau; Mechanical Engineering Society.
 Entered Freshman Year, Class of 1919.

Robert Lawrence Falkenberg "Bob"
Kansas City, Mo., Born September 30, 1896.
Prepared at Notre Dame University.
Civil Engineering.
Civil Engineering Society (2, 3, 4).
Crew (2); Football (2).
Entered Sophomore Year, Class of 1919.

Charles Joel Farist, ΦΚΣ "Charlie"
Cheshire, Conn., Born August 14, 1898.
Prepared at Cheshire School.
Electrical Engineering.
Electrical Engineering Society (2, 3, 4).
Entered Freshman Year.
Arthur Everett Farrington, AXA “Gus”  
Roxbury, Mass., Born October 3, 1895.  
Prepared at Huntington School and Worcester Polytechnic Institute.  
Civil Engineering.  
Civil Engineering Society (2, 1, 4), Executive Committee (3).  
Circulation Manager The Tech (3).  
Entered Sophomore Year, Class of 1919.

Edward Samuel Farrow, Jr., ΣΧ “Ed”  
Asbury Park, N.J., Born April 12, 1898.  
Prepared at Asbury Park High School.  
Chemical Engineering.  
Entered Freshman Year.

Herbert Melanethon Federhen “Finkie”  
Alston, Mass., Born July 21, 1898.  
Prepared at English High School, Boston.  
Chemistry.  
Chemical Society (2, 3, 4); Alpha Chi Sigma.  
Tug-o’-War (1, 2).  
Entered Freshman Year.

Howard Field, Jr., ΘX “Howt”  
Wilmette, Ill., Born March 19, 1895.  
Prepared at University of Illinois.  
Mechanical Engineering.  
Mechanical Engineering Society (4); Aeronautical Engineering Society (3, 4).  
Banjo Club (4).  
Entered Junior Year.
David Lewis Fiske, ΔΤ  "Dave"
Exeter, N.H., Born June 19, 1898.
Prepared at Phillips Exeter Academy.
Mechanical Engineering.
Beaver Club; Qsi; Theta Tri; Mechanical Engineering Society (3, 4).
Technique 1923, Portfolio Editor; Tug-o'-War (1); Class Treasurer (4).
Musical Clubs, Assistant Manager (1), Publicity Manager (2); Finance Committee (4).
Entered Freshman Year.

Willard Ames Fleming  "Red"
Somerville, Mass., Born April 5, 1898.
Prepared at Somerville High School.
Civil Engineering.
Civil Engineering Society (4); Masonic Club (4).
Entered Freshman Year.

Florence Fogler  "Phlauchcie"
Billings, Mont., Born October 3, 1898.
Prepared at Billings High School.
Electrochemical Engineering.
Cliofan (1, 2, 3, 4), Vice-President (1); Electrical Engineering Society (2, 3, 4), Secretary (3, 4); Cumnorian Club (1, 4), Secretary (4); Styloc Chemical Society (3, 4).
Technique Editorial Committee (2), Secretary and Treasurer.
The Tech (3, 4), Alumni Editor (4).
Entered Freshman Year.

William Chamberlain Forbes, ΦΒΚ, ΣΦΕ  "Bill"
Manchester, N.H., Born January 28, 1898.
Prepared at Manchester High School and Dartmouth College.
Chemical Engineering.
Chemical Society (3, 4).
Entered Junior Year.
Henry Ogley Forrest "Heinie"
North Andover, Mass., Born December 9, 1897.
Prepared at North Andover High School.
Chemical Engineering.
Chemical Society (2, 3, 4).
Entered Freshman Year.

Jerome James Franck, ZBT "Jerry"
Brookline, Mass., Born May 2, 1898.
Prepared at DeWitt Clinton High School, New York, and Brighton High School.
Chemical Engineering.
Chemical Society (2, 3, 4), Trip Manager (4),
Treasurer (4).
Track Team (1, 2); Tennis Team (3).
Entered Freshman Year.

Alfred Alexander Fraser "Feas"
Wellesley, Mass., Born September 26, 1898.
Prepared at Wellesley High School.
Mechanical Engineering.
Mechanical Engineering Society (2, 3, 4), Trips Committee (1).
Entered Freshman Year.

Simon Freed "Si"
Paterson, N.J., Born November 11, 1898.
Prepared at Paterson High School and Carnegie Institute of Technology.
Chemistry.
Menorah Society (2, 3, 4); Chemical Society (2, 3, 4).
Entered Sophomore Year.
Evert Wendell Freeman “Ev”
Providence, R.I., Born October 19, 1898.
Prepared at Moses Brown School, Providence.
Mechanical Engineering.
Mechanical Engineering Society (2, 3).
Class Wrestling Team (1, 2); Photographic Editor Technique 1920 (1).
Wrestling Team (2, 3), Captain (3).
Entered Freshman Year.

William M. Breakey Freeman, ΣΧ “Bill”
Prepared at Newton High School.
Civil Engineering.
Beaver Club; Civil Engineering Society (3, 4).
Executive Committee (3, resigned).
The Tech, Assistant Circulation Manager (2);
All Technology Smoker Committee (3, 4); Inter-
Fraternity Conference, Executive Committee (4).
Entered Freshman Year.

Grant Keith French “Granite”
Lowell, Mass., Born November 8, 1897.
Prepared at Lowell High School.
Civil Engineering.
Civil Engineering Society (3, 4).
Entered Freshman Year.

Senichi Fujimura “Fuji”
Tokio, Japan, Born September 18, 1889.
Prepared at Middlebury College.
Mechanical Engineering.
Entered Junior Year.
Raymond Richard Gauger, ΚΣ “Ray”
St. Paul, Minn., Born January 3, 1895.
Prepared at St. Paul Central High School.
Architecture.
Architectural Society (2, 3, 4).
Entered Sophomore Year, Class of 1917.

Richard Hawkins Gee, ΦΣΚ “Dick”
Fall River, Mass., Born October 13, 1897.
Prepared at B. M. C. Durfee High School, Fall River.
Mechanical Engineering.
Mechanical Engineering Society (2, 3, 4), Governing Board (3), Chairman Membership Campaign (4).
Class Football Team (1, 2); Technique Electoral Committee (2); Junior Prom Committee (1).
Tech Night Committee (4); All Technology Smoker Committee (1, 4); Inter-Fraternity Conference (3), Secretary.
Entered Freshman Year.

Eduardo Germain, ΠΔΦ “Ed”
Valparaiso, Chile, Born July 11, 1898.
Prepared at Naval Academy of Chile.
Civil Engineering.
Latin American Club (2, 3, 4); Civil Engineering Society (1, 4); Cosmopolitan Club (2, 3, 4).
Entered Sophomore Year.

James Wallace Gibson, ΣΑΕ “Jimmy”
West Newton, Mass., Born August 30, 1897.
Prepared at Chauncy Hall School.
Engineering Administration.
Beaver Club; Theta Tau; Corporation XV.
President (4).
Football Manager (1, 2); Class Treasurer (2); Class Crew (2); Electoral Committee (2).
Entered Freshman Year, Class of 1919.
Fred Morton Gill "Gillie"
Prepared at Gloucester High School.
Architecture.
Architectural Society (1, 2, 3, 4).
Entered Freshman Year.

Leland Warren Gilliatt "Rusty"
East Lynn, Mass., Born January 17, 1899.
Prepared at Lynn Classical High School.
Chemical Engineering.
Walker Club; K.S; Chemical Society, Treasurer (3), Trip Manager (3).
Committee for Publication of "Concerning M. I. T."
Entered Freshman Year.

Alfred Thomas Glassett, Ph. B. "Al"
Prepared at Boston English High School.
Civil Engineering.
Catholic Club (1, 2, 3, 4), Executive Committee (2), Treasurer (3); English High School Club (1, 2); Civil Engineering Society (2, 3, 4), Executive Committee (3).
Entered Freshman Year.

Everett Clifford Glover "Bush"
South Easton, Mass., Born March 19, 1899.
Prepared at Oliver Ames High School, North Easton.
Chemical Engineering.
Chemical Society (2, 3, 4); Rifle Club (3).
Entered Freshman Year.
Harold Lothrop Goodwin "Nat"
Brookline, Mass., Born November 14, 1897.
Prepared at Roxbury Latin School.
Mechanical Engineering.
Mechanical Engineering Society (2, 3, 4).
Entered Freshman Year.

Edward Watson Gore "Ed"
West Medford, Mass., Born August 4, 1894.
Prepared at Medford High School and Tufts College.
Mechanical Engineering.
Entered Junior Year.

Harry Inwood Granger "Injun"
South Weymouth, Mass., Born April 24, 1897.
Prepared at Phillips Andover Academy.
Electrical Engineering.
Electrical Engineering Society (2, 3, 4).
Entered Freshman Year.

Harland Alexander Gray, ΦΓΔ "Dolly"
Boston, Mass., Born October 27, 1898.
Prepared at Brookline High School and University of Maine.
Engineering Administration.
Banjo Club (2, 3); Mandolin Club (2); Corporation XV (2, 3, 4); Mechanical Engineering Society (3, 4).
Entered Sophomore Year.
Heland Joseph Green, ΦK  “Jazz”
Lowell, Mass., Born September 8, 1898.
Prepared at Lowell High School.
Civil Engineering.
Catholic Club (1, 2, 3, 4); Civil Engineering Society (2, 3, 4), Treasurer (3).
House Committee Summer Camp (2).
Entered Freshman Year.

Albert Beale Greene  “Al”
Washington, D.C., Born February 3, 1898.
Prepared at St. Albans School.
Civil Engineering.
Civil Engineering Society (3, 4); Rifle Club (1).
Entered Freshman Year.

John Philip Grilli  “Financier”
Chicago, Ill., Born May 8, 1896.
Prepared at Lewis Institute.
Mining Engineering and Metallurgy.
Mining Engineering Society (3), Treasurer (3).
Finance Committee (3).
Entered Junior Year.

Bennett Meyer Grousser  “Ben”
Roxbury, Mass., Born January 31, 1891.
Prepared at Russian Gymnasium.
Mechanical Engineering.
Menorah Society (2, 3, 4); Cosmopolitan Club (2, 3, 4); A. S. M. E. (4).
Entered Sophomore Year.
Henry Arthur Grosscup  "Grand Pa"
Camden, N.J., Born February 3, 1895.
Naval Architecture and Marine Engineering.
Naval Architectural Society, Treasurer (3, 4).
Entered Freshman Year, Class of 1919.

Newell Arthur Grover, 0E
Rutland, Vt., Born December 12, 1899.
Prepared at Rutland High School.
Civil Engineering.
Civil Engineering Society (3, 4), Vice-President (3).
Tug-o'-War (2).
Entered Freshman Year.

Philip Ebling Haebler, 4T  "Phil"
New York, N.Y., Born May 28, 1898.
Prepared at The Cutler School.
Chemical Engineering.
Chemical Society (2, 3, 4); K.S.
Dormitory Committee (3).
Entered Freshman Year.

Alfred Hand  "Al"
Scranton, Pa., Born March 18, 1898.
Prepared at Central High School, Scranton, and University of Pennsylvania.
Chemical Engineering.
Entered Junior Year.
Eugene Lorraine Harlin, ΔΣΔ “Bob”
West Plains, Mo., Born June 20, 1897.
Prepared at West Plains High School and University of Colorado.
Electrical Engineering.
Electrical Engineering Society; Theta Tau.
Tech Show Chorus (3).
Entered Junior Year.

Lawrence Isaac Harris “Admiral”
Roxbury, Mass., Born November 16, 1899.
Prepared at Roxbury Latin School.
Chemical Engineering.
Chemical Society (2, 3, 4).
Tug-o'-War (1, 2).
Entered Freshman Year.

Louis Harris “Hash”
New London, Conn., Born July 6, 1897.
Prepared at Bulkeley School.
Electrochemical Engineering.
Electrical Engineering Society (1, 4); Menorah Society (4).
Entered Freshman Year.

James Harrop, ΦΣΚ “!”
Prepared at New Bedford High School.
Chemical Engineering.
Chemical Society (2, 3, 4).
Track Team (2).
Entered Freshman Year.
Erwin Harsch, B.S., ΣΦΕ “Erv”
Washington, D.C., Born April 23, 1895.
Prepared at George Washington University.
Civil Engineering.
Civil Engineering Society (4).
Entered Senior Year.

Charles Gerald Hart, ΔΑΠ “Charlie”
Brighton, Mass., Born June 23, 1897.
Prepared at High School of Commerce, Boston, Mass.
Chemical Engineering.
Chemical Society.
Entered Freshman Year.

Theron Finson Harvey “Harv”
Gloucester, Mass., Born May 19, 1897.
Prepared at Gloucester High School.
Mechanical Engineering.
Mechanical Engineering Society (2, 3, 4); Aeronautical Engineering Society (3); Rifle Club (1, 2, 3, 4); Track Squad (1, 2, 3); Tech Regiment (1, 2), Second Lieutenant (2).
Entered Freshman Year.

Harold Frederick Hedberg “Heddie”
Prepared at Malden High School.
Mechanical Engineering.
Mechanical Engineering Society (1, 2, 3, 4), Publicity Committee (4), The Tech, Secretary Editorial Board (4).
Entered Freshman Year.
William Theodore Hedlund, A.T.O. "Bill"
Somerville, Mass., Born August 31, 1899.
Prepared at Somerville High School.
Naval Architecture and Marine Engineering.
Masque; Walker Club; Naval Architectural Society (2, 3, 4).
Musical Clubs (1, 2, 3); Leader Mandolin Club (2, 3); Tech Show, Orchestra (1, 2), Music (2, 3, 4), Lyricus (2, 3).
Entered Freshman Year.

Carl Sanfrid Helrich "Sam"
Everett, Mass., Born April 30, 1895.
Prepared at Everett High School.
Civil Engineering.
Civil Engineering Society (2, 3, 4).
Entered Freshman Year.

Daniel Joseph Hennessy, F.K. "Joe"
Brookline, Mass., Born August 9, 1897.
Prepared at Brookline High School.
Civil Engineering Society (2, 3, 4), Secretary (4); Catholic Club (1, 2, 3, 4),
Class Executive Committee (4).
Entered Freshman Year.

Henry Willard Hills "Hilsby"
Everett, Mass., Born November 16, 1899.
Prepared at Everett High School.
Electrical Engineering.
Electrical Engineering Society (2, 3, 4).
Entered Freshman Year.
John Jerome Hines, Jr., ΔΤΔ “Jack”
Brooklyn, N.Y., Born July 6, 1898.
Prepared at Boys’ High School.
Engineering Administration.
Oar: Corporation XV (2, 3, 4).
Class Treasurer (3); Vice-President (3); Manager Crew (1, 2).
M. I. T. A.A.: Assistant Manager Technology Rowing Association (1); President Inter-Fraternity Conference (3); Finance Committee (2); Chairman Tech Night Committee (3).
Entered Freshman Year.

Townsend Hill Hingston “Hink”
Wollaston, Mass., Born April 24, 1899.
Prepared at Quincy High School.
Chemical Engineering.
Chemical Society (3, 4); Aeronautical Engineering Society (3, 4).
Entered Freshman Year.

Richard Sigfrid Holmgren, AXA “Dick”
East Lynn, Mass., Born November 20, 1895.
Prepared at Massachusetts Agricultural College.
Civil Engineering.
Civil Engineering Society (3, 4).
Entered Sophomore Year, Class of 1919.

William Tibbits Honiss, 9X “Bill”
Hartford, Conn., Born August 16, 1897.
Prepared at Hartford Public High School.
Mechanical Engineering.
Mechanical Engineering Society (2, 3, 4).
Entered Freshman Year.
Wilford Priest Hooper, ΦΣΚ “Hoop”  
Maynard, Mass., Born December 26, 1895.  
Prepared at Chauncy Hall School.  
Architectural Society (1, 2, 3, 4), Secretary (4);  
Frieze and Cornice; The Masons.  
Entered Freshman Year.

Frederick James Hopkinson, ΞΧ “Hoppy”  
Dayton, Ohio, Born February 27, 1896.  
Prepared at Phillips Exeter Academy.  
Chemical Engineering.  
K.S.; Chemical Society (4).  
Entered Freshman Year, Class of 1919.

Augustus Sherrill Houghton, ΘΑΧ “Mike”  
Tarrytown, N.Y., Born January 15, 1898.  
Prepared at Choate School and Amherst College.  
Chemistry.  
Track Team (4); Banjo Club (4); Glee Club (4).  
Entered Junior Year.

Homer Vernon Howes, ΘΖ “Homer”  
Lynn, Mass., Born May 26, 1896.  
Prepared at Lynn Classical High School.  
Civil Engineering.  
Ossis; Walker Club; Pi Delta Epsilon; Stylus; Civil Engineering Society (2, 3, 4); Secretary (3); Alto Club (2).  
Tu-ko-War (1).  
Riff Club (4); Technology Monthly, Treasurer (2),  
Editor-in-Chief (3); Voo Doo, Editor-in-Chief (3), The Tech, Managing Editor (2), General Manager (3), Editor (3); Institute Committee (2, 3, 4), Secretary (3); Activities Committee, Secretary (3); Finance Committee (2, 1, 4), Treasurer (4); Advisory Council on Athletics (3, 4).  
Entered Freshman Year.
Franklin Bicknell Hunt
Prepared at Newton High School.
Mechanical Engineering Society (2, 3, 4).
Class Cross-Country (1); M. I. T. Orchestra (2).
Entered Freshman Year.

Ernest Hamlin Huntress “Grippertown”
East Lynn, Mass., Born May 9, 1898.
Prepared at Lynn Classical High School.
Chemistry.
Chemical Society (2, 3, 4).
Entered Freshman Year.

Robert Inley “Bob”
Nanuet, N.Y., Born October 31, 1894.
Prepared at Hamilton College.
Mechanical Engineering Society (3, 4); Aeronautical Engineering Society (3, 4).
Banjo Club (3, 4); Mandolin Club (3, 4).
Dormitory Committee (3); Dormitory Executive Committee, Chairman (4); Chairman Nichols Hall (4).
Entered Sophomore Year, Class of 1918.

William Sanborn Johnson “Bill”
Newburyport, Mass., Born February 9, 1898.
Prepared at Newburyport High School.
Chemistry.
Chemical Society (2, 3, 4); Alpha Chi Sigma.
Entered Freshman Year.
Harry Joseph Kahn, "H-Jay"
New York, N.Y., Born December 25, 1898.
Prepared at City College of New York.
Chemical Engineering.
Chemical Society (3, 4).
Entered Junior Year.

Leo David Kahn, TΔΔ “Shrimp”
Dorchester, Mass., Born November 4, 1898.
Prepared at Boston English High School.
Chemical Engineering.
Chemical Society (2, 3, 4); English High School Club (1, 2); Chess Club (1, 2).
Entered Freshman Year.

David Julius Kaplan, ZBT “Dave”
New York, N.Y., Born April 11, 1898.
Prepared at Dickinson High School.
Chemical Engineering.
Chemical Society (2, 3, 4); Menorah Society (2, 3, 4); Track Team (1).
Entered Freshman Year.

John Keats, “Jack”
Milwaukee, Wis., Born September 21, 1897.
Prepared at University of Wisconsin.
Chemical Engineering.
Chemical Society (2, 3, 4).
Entered Sophomore Year.
Donald Butler Kimball, ΔΣΦ "Don"
Washington, D.C., Born March 17, 1897.
Prepared at Cornell University.
Chemical Engineering.
Chemical Society (2, 3, 4); Alpha Chi Sigma.
Mandolin Club (2).
Dormitory Committee (2).
Entered Sophomore Year.

Archibald Hendrie Kinghorn, Jr., ΘΔΧ "Toots"
Lawrence, Mass., Born August 13, 1897.
Prepared at Lawrence High School.
Electrical Engineering.
Electrical Engineering Society (2, 3, 4), Treasurer (4); Aeronautical Engineering Society (4).
Entered Freshman Year.

Charles Henry Klinger, 2X "Charlie"
Milwaukee, Wis., Born May 8, 1898.
Prepared at University of Wisconsin.
Chemical Engineering.
Chemical Engineering Society (3, 4).
Entered Junior Year.

Merrill Bernard Knox, ΔΤΔ "M.B."
Chicago, Ill., Born November 17, 1896.
Prepared at Crane Technical High School.
Mechanical Engineering.
Theta Tau; Osiris.
Class Secretary (3).
Banjo Club (3, 4), Leader (4).
Entered Sophomore Year.
Armand St. Martin Kreeger, ΦΣΚ "Kreeg"
New Orleans, La., Born October 20, 1898.
Prepared at Tulane University.
Mechanical Engineering.
Mechanical Engineering Society (2, 3, 4).
Entered Sophomore Year.

Pierre Francis Lavedan, ΦΚ "Pete"
New Orleans, La., Born June 13, 1898.
Prepared at Jesuit High School, New Orleans.
Chemical Engineering.
Chemical Society (4); Catholic Club (1, 4); Aeronautical Engineering Society (4); Cosmopolitan Club (1, 2, 3, 4), Vice-President (4).
Cass Tug-’e-War (1).
M. I. T. Orchestra (4).
Entered Freshman Year.

Frank Watson Lawton, ΟΧ "Frank"
Detroit, Mich., Born June 14, 1898.
Prepared at St. Louis Manual Training School.
Mechanical Engineering.
Mechanical Engineering Society (2, 3, 4).
First Lieut. R. O. T. C. (2).
Entered Freshman Year.

Carl Hilding Leander "Carli"
Quincy, Mass., Born February 6, 1898.
Prepared at Quincy High School.
Engineering Administration.
Chemical Society (2, 3, 4); Corporation XV (2, 3, 4).
Tug-’e-War (1); Coach (3).
The Tech (1, 2).
Entered Freshman Year.
Yuan Lee  “Bob”  
Canton, China, Born November 29, 1895.  
Prepared at Chauncy Hall School.  
Naval Architecture and Marine Engineering.  
Naval Architectural Society (2, 3, 4); Chinese Club (1, 2, 3, 4); Aeronautical Engineering Society (4); Cosmopolitan Club.  
Entered Freshman Year.

Malcolm Bruce Lees  “Mal”  
Leominster, Mass., Born May 12, 1899.  
Prepared at Leominster High School.  
Engineering Administration.  
Chemical Society (2, 3, 4); Corporation XV (2, 3, 4).  
Entered Freshman Year.

Henry Mannheim Levy  “Mannheim”  
Roxbury, Mass., Born October 19, 1899.  
Prepared at Boston English High School.  
Chemical Engineering.  
Chemical Society (2, 3, 4); English High School Club (1, 2).  
Entered Freshman Year.

Morris Nathan Lipp, T.AΦ  “Moe”  
Prepared at Chelsea High School.  
Civil Engineering.  
Civil Engineering Society (3, 4); Menorah Society (2, 3).  
Entered Freshman Year.
Arthur Stanley Littlefield, ΘΣ "Bill"
Prepared at Peabody High School.
Chemical Engineering.
Chemical Society (1, 2, 3, 4).
Track (1, 2).
Entered Freshman Year.

Mendum Bartlett Littlefield, ΔΧΑ "Count"
Salem, Mass., Born August 19, 1898.
Prepared at Salem High School.
Chemical Engineering.
Chemical Society (1, 2, 3, 4).
Entered Freshman Year.

John Wood Logan, Jr, ΘΧ "Jack"
Bala, Pa., Born September 8, 1898.
Prepared at Episcopal Academy, Philadelphia, Pa.
Electrical Engineering.
Electrical Engineering Society (2, 3, 4).
Wrestling (1).
Tech Show, Freshman Publicity Manager (1);
Technology Monthly (2).
Entered Freshman Year.

Erskine Daniel Lord, KΣ "Dan"
Lawrence, Mass., Born August 4, 1899.
Prepared at Lawrence High School.
Chemical Engineering.
Chemical Society (2, 3, 4); Alpha Chi Sigma.
Orchestra (1, 2, 3, 4); Tech Show (1, 2, 3, 4).
Entered Freshman Year.
Wen Siang Lu "W"
Fuchow, China, Born September 9, 1895.
Prepared at Chinese Naval College, Nanking.
Electrical Engineering.
Electrical Engineering Society; Cosmopolitan Club; Wireless Society.
Entered Junior Year.

John Lucas "Jack"
Lynn, Mass., Born February 17, 1899.
Prepared at Lynn Classical High School.
Civil Engineering.
Civil Engineering Society (2, 3, 4), Trip Manager.
Wrestling (1, 2).
Entered Freshman Year.

Daniel Edward McCarthy "Mac"
Newton, Mass., Born September 29, 1897.
Prepared at Newton High School.
Engineering Administration.
Corporation XV (2, 3, 4); Aeronautical Engineering Society (4).
Entered Freshman Year.

Edward Joseph McCarthy, A.T.A. "Mac"
Syracuse, N.Y., Born March 28, 1899.
Prepared at Syracuse University.
Electrical Engineering.
Electrical Engineering Society (3, 4).
Entered Junior Year.
Rodman McClintock, Jr. “Rod”
Pittsburgh, Pa., Born September 26, 1896.
Prepared at Hill School.
Engineering Administration.
Corporation XV (2, 3, 4).
Entered Freshman Year.

Francis John McGill, PhK “Mac”
Dorchester, Mass., Born April 30, 1897.
Prepared at Mechanic Arts High School, Boston.
Engineering Administration.
Corporation XV (2, 3, 4); Catholic Club (3, 4).
Track (1).
Entered Freshman Year.

Alan Henderson McIntosh, PhK “Al”
West Roxbury, Mass., Born August 5, 1896.
Prepared at Mechanic Arts High School, Boston.
Mechanical Engineering.
Mechanical Engineering Society (3, 4); Rifle Club (1); The Masons (4).
Class Crew (2, 3).
Entered Freshman Year.

Walter Raymond McKenney “Mac”
Bridgeport, Conn., Born July 12, 1895.
Prepared at Bridgeport High School.
Mechanical Engineering.
Ostis; Theta Tau; Pi Delta Epsilon; Mechanical Engineering Society (2, 3, 4); Rifle Club (1, 2); Aeronautical Engineering Society (3).
Dormitory Executive Committee, Chairman Nichols Hall (3); Institute Committee (3, 4); Walker Memorial Committee, Chairman (3, 4); The Tech, News Staff (1), Night Editor (2), Managing Editor (3); Advisory Council on Athletics (4).
Delegate to Student Volunteer Convention.
Entered Freshman Year, Class of 1915.
Robert Burns MacMullin, ΦΤ "Jim"
New York, N.Y., Born September 18, 1898.
Prepared at Litchfield Academy and Bowdoin College.
Chemical Engineering.
Chemical Society; Cosmopolitan Club.
Entered Junior Year, Class of 1910.

Philip Francis Maher, ΚΣ "Phil"
Newton Highlands, Mass., Born January 8, 1894.
Prepared at Norwalk High School.
Naval Architecture and Marine Engineering.
Naval Architectural Society (2, 3, 4), President (3).
Institute Committee (3).
Entered Freshman Year.

Charles William Maloney, ΦK "Charlie"
Allston, Mass., Born December 29, 1898.
Prepared at Woburn High School.
Electrochemical Engineering.
Electrical Engineering Society (2, 3); Chemical Society (2, 3); Catholic Club.
Voo Doo Staff (3).
Entered Freshman Year.

Isadore Mandelbaum "Mandy"
Lawrence, Mass., Born October 14, 1895.
Prepared at Lawrence High School.
Civil Engineering.
Menorah Society (3); Orchestra (2).
Entered Freshman Year, Class of 1910.
Herman Joseph Marovitz, ZBT "Hy"
Everett, Mass., Born December 19, 1897.
Prepared at Everett High School.
Mechanical Engineering:
Mechanical Engineering Society (2, 3, 4); Menorah Society (1, 2, 3, 4); Treasurer (4).
Crew (1, 2).
Entered Freshman Year.

Marcial Ernesto Martínez V., ΠΔΦ "Mart"
Santiago, Chile, Born November 11, 1896.
Prepared at Naval Academy, Chile.
Mining Engineering.
Mining Engineering Society (2, 3, 4); Cosmopolitan Club (2, 3, 4), Vice-President (3), President (4); Latin-American Club (2, 3, 4), Treasurer (2), President (4).
Institute Committee (4).
Entered Freshman Year.

Henry Peirce Massy
Brookline, Mass., Born February 8, 1898.
Prepared at Brookline High School.
Civil Engineering.
Civil Engineering Society; Rifle Club; Aeronautical Engineering Society;
Tug-o'-War (1, 2).
Entered Freshman Year.

Medwin Matthews "Mat"
Prepared at Phillips Andover Academy.
Civil Engineering.
Civil Engineering Society (3, 4). Tug-o'-War (2).
Entered Freshman Year.
Francis Leo Meud  "Jeff"
Forest Hills, Mass., Born August 18, 1896.
Prepared at Milford High School.
Chemical Engineering.
Chemical Society (2, 3, 4); Catholic Club.
Baseball (1).
Entered Freshman Year, Class of 1919.

William Emil Meissner, 0ΔX  "Mousie"
West Hoboken, N.J., Born August 31, 1897.
Prepared at Hackley School.
Architecture.
Architectural Society (2, 3, 4); Treasurer (3),
President (4); Frieze and Cornice.
Finance Committee (3); Institute Committee
(4); Tech Board (1).
Entered Freshman Year.

Arthur Gates Merriman  "Art"
Prepared at Ohio State University.
Electrical Engineering.
Electrical Engineering Society (3, 4).
Entered Junior Year.

Alden Williams Miller, 06X  "Dusty"
Medford, Mass., Born April 11, 1898.
Prepared at Medford High School.
Engineering Administration.
Corporation XV (2, 3, 4); Chemical Society
(2, 3, 4); Rifle Club (4).
Track (1, 2, 3, 4); Cross-Country (1, 3, 4).
Associate Editor, The Tech (1).
Entered Freshman Year.
Robert Alan Miller  "Bob"
Campello, Mass., Born July 1, 1898.
Prepared at Brockton High School.
Electrical Engineering.
Electrical Engineering Society (2, 3, 4); Radio Society (4).
Entered Freshman Year.

Robert Williamson Mitchell  "Bob"
Taunton, Mass., Born August 8, 1897.
Prepared at Taunton High School.
Mechanical Engineering.
Mechanical Engineering Society (2, 3, 4); Rifle Club (1).
Entered Freshman Year.

John Donald Mitsch, ΦΚ  "Don"
Mattapan, Mass., Born March 2, 1898.
Prepared at Mechanic Arts High School and Tufts College.
Civil Engineering.
Civil Engineering Society (3, 4); Catholic Club (3, 4), Treasurer (4).
Entered Junior Year.

James Govan Mair, Jr.  "Jimmie"
Prepared at Arlington High School.
Electrical Engineering.
Electrical Engineering Society (2, 3, 4); Executive Committee (4); Wireless Society (4).
Tech Show, Assistant Publicity Manager (1).
Entered Freshman Year.
Enrique Rivero Monasterio, ΗΔΦ “Money”
Cangas de Onis, Spain, Born March 31, 1896.
Prepared at Dean Academy, Franklin, Mass.
Engineering Administration.
Corporation XV (2, 3, 4); Mechanical Engineering Society (2, 3, 4); Cosmopolitan Club (1, 2, 3, 4); Latin-American Club (1, 2, 3, 4).
Entered Freshman Year.

Charles Chilton Moore, Jr., AXA “Dinty”
Lexington, Ky., Born October 21, 1896.
Prepared at Kentucky Military Institute and
Worcester Polytechnic Institute.
Chemical Engineering.
Chemical Society (3, 4); Rifle Club (3); Aeronautical Engineering Society (3).
Banjo Club (3).
Entered Junior Year.

Joseph Charles Moosbrugger “Joe”
Dayton, Ohio, Born August 24, 1898.
Prepared at St. Mary’s College, Ohio.
Mechanical Engineering.
Mechanical Engineering Society (4); Catholic Club (4).
Combined Musical Clubs (4); Orchestra (4).
Entered Senior Year.

George Benson Morgan, B.S., AXA “J.P.”
Greenville, Tex., Born January 8, 1896.
Prepared at Texas A. and M.
Civil Engineering.
Civil Engineering Society (4).
Entered Senior Year.
Roger Gambee Mossop, ΦBE "Scoop"
Rochester, N.Y., Born October 18, 1898.
Prepared at Phillips Exeter Academy.
Chemical Engineering.
K.S: Chemical Society (2, 3, 4);
Technique Electoral Committee (2); Class Crew,
Manager (2); Rowing Association, Assistant Man-
ger (3); "Concerning M. I. T.," Editor-in-Chief
(3).
Entered Freshman Year.

William Moy-Ding "Bill"
Kwong-tung, China, Born July 21, 1896.
Prepared at Boston English High School.
Mechanical Engineering.
Chinese Club (1, 2, 3, 4); Cosmopolitan Club
(3); Mechanical Engineering Society (2, 3, 4);
English High School Club (1, 2); Fire Club (3);
Aeronautical Engineering Society (4).
Class Crew (2).
Entered Freshman Year.

Edwin Bennet Murdough, ΔΔΔ "Ed"
Dorchester, Mass., Born January 26, 1898.
Prepared at Boston Latin School and Dartmouth College.
Civil Engineering.
Civil Engineering Society (3, 4), President (3), Execu-
tive Committee (4).
Class Football Team (1); Class Crew (1, 2, 3),
Institute Committee (1); Technology Crew (2, 3);
Track Squad (3).
Entered Sophomore Year, Class of 1919.

Henry Russell Murphy, ΩΑΧ "Bant"
Lawrence, Mass., Born May 12, 1898.
Prepared at Phillips Andover Academy.
Biology and Public Health.
Entered Freshman Year, Class of 1919.
Harold James Murray "Hal"
Brockton, Mass., Born December 18, 1896.
Prepared at Brockton High School.
Civil Engineering.
Civil Engineering Society (2, 3, 4); Aeronautical
Engineering Society (3).
Class Cross-Country (2).
Track Team (1); Cross-Country Team (3).
Entered Freshman Year.

Joshua Musnitsky "Muss"
Manchester, N.H., Born September 23, 1896.
Prepared at Lancaster Boys High School.
General Science.
Stylus; Civil Engineering Society (3, 4);
Menorah Society (1, 2, 3, 4), Executive Com-
munity (4).
The Tech, News Board (3), Assistant Night
Editor (3, 4); Tech Engineering News (4).
Entered Freshman Year.

John Crandon Nash, ΔΤ "Heine"
Cherryfield, Me., Born July 25, 1897.
Prepared at Phillips Exeter Academy.
Mechanical Engineering.
Ciris; Beaver Club; Theta Tau; Walker Club; Mechanical
Engineering Society; Maine Club; Easter Club; Ma-
sonic Club.
President of Class (3); Institute Committee (4); Tech-
nique Electoral Committee (2).
Tech Show (1); Institute Committee, President (3),
Executive Committee (4); Junior Press Committee, Chair-
man (3); Inter-Fraternity Conference, Chairman (4).
Entered Freshman Year.

Eugene Nebolsine "Jenkins"
Petrograd, Russia, Born March 2, 1898.
Prepared at First Cadet Corps, Naval Academy.
Civil Engineering.
Civil Engineering Society (3, 4).
Entered Sophomore Year.
Rostislaff Nebolsine  "Kapa"
Petrograd, Russia, Born April 17, 1900.
Prepared at First Cadet Corps, Naval Academy.
Civil Engineering.
Civil Engineering Society (3, 4).
Entered Sophomore Year.

Philip Augustus Nelles, Jr.  "Phil"
Prepared at Lexington High School.
Mechanical Engineering.
Cosmopolitan Club (2); Mechanical Engineering Society (2, 3, 4); Masonic Club (4).
Crew (1); Tech Show Cast (2), Ballet (3).
Entered Freshman Year.

Kenneth Cyrus Newhall  "Mike"
Lynn, Mass., Born August 6, 1897.
Prepared at Lynn Classical High School.
Civil Engineering.
Civil Engineering Society (3, 4).
Entered Freshman Year.

Alexander Alexevitch Nikitin  "Nik"
Moscow, Russia, Born June 15, 1888.
Prepared at Moscow Institute of Technology.
Mining Engineering and Metallurgy.
Entered Junior Year.
John Nolen, Jr., ∆Τ "Jack"
Prepared at Cambridge Latin School and Harvard University.
Civil Engineering.
Civil Engineering Society (3, 4); Aeronautical Engineering Society (4).
Entered Sophomore Year.

Thomas Maurice Orchard, ΦΓΔ "Tommy"
Carbondale, Pa., Born January 10, 1897.
Prepared at Bucknell University.
Engineering Administration.
American Society of Mechanical Engineers;
Electrical Engineering Society (4).
Entered Senior Year.

Antonio Ortiz "Tony"
Madrid, Spain, Born September 13, 1898.
Prepared at "Escuela Central de Ingenieros Industriales" and "Instituto Cardenal Cisneros."
Mechanical Engineering.
Mechanical Engineering Society (4).
Entered Junior Year.

Grafton Ray Owens "Red"
Manchester, Mass., Born April 5, 1898.
Prepared at Manchester High School.
Chemical Engineering.
Chemical Society (3, 4); Rifle Club (4).
Varsity Cross-Country (2, 3); Wearer of the "T."
Entered Freshman Year.
José Augusto Padilla, IIΔΦ “Joe”
Tegucigalpa, Honduras, Born May 16, 1895.
Prepared at Instituto Nacional, Honduras.
Civil Engineering.
Cosmopolitan Club, Second Vice-President (4);
Latin-American Club; Civil Engineering Society.
Entered Freshman Year.

Ming-Hsing Pai “II”
Shanghai, China, Born August 7, 1898.
Prepared at Government Institute of Technology, China.
Electrical Engineering.
Entered Sophomore Year.

Robert Patterson, ΣΑΕ “Pat”
South Manchester, Conn., Born July 10, 1896.
Prepared at South Manchester High School.
Mechanical Engineering.
Oxford, Beaver Club; Theta Tau; Walker Club (2, 3, 4); 
Mechanical Engineering Society (2, 3, 4).
Tech Show (1); T. C. A. (2, 3), Activities Committee (3);
Budget Committee (2), Tech Night Committee (3);
Voo Doo Staff (3, 4), Smoker Committee (3, 4); Inter-
Fraternity Conference (2, 3, 4).
Entered Freshman Year.

Robert Theodore Pender “Bob”
Lynn, Mass., Born June 27, 1897.
Prepared at Worcester Academy.
Mechanical Engineering.
Mechanical Engineering Society (2, 3, 4); Aeronautical
Engineering Society (4).
Class Track (1, 2, 3); Class Football (1, 2); Technique
Electoral Committee (2); Athletic Editor, Technique 1920.
Varsity Track (1, 2, 3); Dormitory Hose Committee
(2); Dormitory Executive Committee (4), Treasurer (4);
Finance Committee (4).
Entered Freshman Year.
Elliott Ronald Perkins "Perk"
Prepared at Arlington High School.
Electrical Engineering.
Electrical Engineering Society (3, 4); Aeronautical Engineering Society (4); Radio Society (4).
Entered Freshman Year.

John Russell Perkins, Jr., ΦΣΚ "P Arts"
Danbury, Conn., Born February 19, 1899.
Prepared at Danbury High School and Dartmouth College.
Mining Engineering and Metallurgy.
Rifle Team, Captain (3); Rifle Club, President (4).
Entered Sophomore Year.

Alfred William Peterson "Pete"
Sewickley, Pa., Born February 15, 1897.
Prepared at Williams College.
Naval Architecture and Marine Engineering.
Naval Architectural Society (2, 3, 4), Secretary (3), President 4.
Institute Committee (4); Glee Club (2, 3, 4).
Entered Sophomore Year.

Henry Carleton Pierce "Hank"
West Newton, Mass., Born May 29, 1898.
Prepared at Newton High School.
Engineering Administration.
Civil Engineering Society (3, 4); Corporation XV (3, 4); Aeronautical Engineering Society (4).
Reorganization Committee (3).
Track Team (1, 2, 3, 4), Captain (3); M. I. T. A. A. (3); T. C. A. (1, 4), Chairman Freshman Discussion Groups.
Entered Freshman Year.
Moses Bernard Pike, ΔΤ "Mose"
Lubec, Me., Born September 16, 1897.
Prepared at Hebron Academy.
Electrical Engineering.
Electrical Engineering Society (2, 3, 4).
Tug-o'-War (2).
Entered Freshman Year.

Henry Pinkerton "Pink"
Boston, Mass., Born June 13, 1897.
Prepared at Thayer Academy.
Biology and Public Health.
Entered Freshman Year.

José Geigel Piza "Joe"
San Juan, Porto Rico, Born April 3, 1897.
Prepared at Escuela Industrial Tarrasa, Spain,
and Chauncy Hall School.
Electrical Engineering.
Electrical Engineering Society (3, 4); Latin-American Club (3, 4); Cosmopolitan Club (2, 4).
Entered Freshman Year.

Robert Bode Pollock "Bob"
Los Angeles, Calif., Born July 25, 1896.
Prepared at Long Beach High School and Throop
College of Technology, Pasadena, Calif.
Electrical Engineering.
Entered Junior Year.
William Henry Preston "Bill"
Ponce, Porto Rico, Born July 10, 1897.
Prepared at Swampscott High School.
Mechanical Engineering.
Catholic Club (4); Mechanical Engineering Society (3, 4).
Entered Freshman Year.

Teodorico Quiros "Teddy"
San José, Costa Rica, Born August 28, 1897.
Prepared at Liceo de Costa Rica.
Architecture.
Latin-American Club (1, 2, 3, 4); Architectural Society (1, 2, 3, 4), Executive Committee (1).
Voo Doo, Art Editor (3), Associate Editor (4); Art Editor, Technique 1920.
Entered Freshman Year.

Arthur Hitcheneck Radsech "Art"
Prepared at Springfield Technical High School.
Chemical Engineering.
Chemical Society (3, 4); Rife Club (1, 2).
Technique Electoral Committee (2).
Entered Freshman Year.

Clifford Kyler Ruthbone, ΚΣ "C.K."
Denton, Tex., Born April 8, 1893.
Prepared at Terrill School.
Architectural Engineering.
Architectural Society (2, 3, 4).
Entered Freshman Year.
Charles Henry Reed  "Chuck"
Lakewood, Ohio, Born October 14, 1898.
Prepared at West High School and Case School of Applied Science.
Aeronautical Engineering Society (2); Corporation XV, Director (3); Civil Engineering Society (2, 3, 4), Assistant Treasurer (3, 4).
Dormitory Committee, Secretary Summer (2), Chairman (3); Institute Committee (3); Walker Memorial Committee (4); Delegate to Student Volunteer Convention (1).
*Entered Sophomore Year.*

Raymond Castle Reese  "Ray"
Pittsfield, Mass., Born December 22, 1893.
Prepared at Pittsfield High School.
Civil Engineering.
Civil Engineering Society (2, 3, 4); Walker Club.
*Entered Freshman Year, Class of 1916.*

Frank Percival Reynolds  "Bunny"
Prepared at Malden High School.
Chemical Engineering.
Chemical Society (2, 3, 4); Alpha Chi Sigma.
Class Relay Team (2); Cabot Medal (1).
*Entered Freshman Year, Class of 1919.*

Stanley Cary Reynolds  "Stan"
New Haven, Conn., Born January 21, 1897.
Prepared at Choate School, Yale University, Sheffield '18.
Architectural Engineering.
Frieze and Cornice (4); Architectural Society (3, 4).
Banjo and Mandolin Clubs (3, 4).
*Entered Junior Year.*
Raymond Ronald Ridgway, ΣΑΤ “Ridge”
Freeport, Ill., Born August 27, 1897.
Prepared at Lake Forest College.
Electrochemical Engineering.
Chemical Society (2, 3, 4); Electrical Engineering Society (3, 4).
Tech Show Staff (2); Voo Doo Staff (3), Editor (4).
Entered Sophomore Year.

William Andrew Riley “Bill”
Prepared at Mechanic Arts High School, Boston, and Tufts College.
Architecture.
Architectural Society (3, 4).
Entered Freshman Year.

Arthur Roberts, ΦΚ “Art”
Philadelphia, Pa., Born October 24, 1895.
Prepared at Chauncy Hall School.
Naval Architecture, Mechanical Engineering.
Naval Architectural Society (2, 3), Vice-President (3), President (4, resigned); Mechanical Engineering Society (4), Institute Committee (4, resigned).
Entered Freshman Year.

Robert Edouard Robillard “Bob”
Cambridge, Mass., Born August 20, 1898.
Prepared at Rindge Technical School, Cambridge.
Civil Engineering.
Civil Engineering Society (3, 4), Program Committee (3), Treasurer (4); Catholic Club (4).
Entered Freshman Year.
John Daniel Rockefeller, ΣΧ “Rocky”
Deal Beach, N.J., Born December 3, 1898.
Prepared at Asbury Park High School.
General Engineering.
Mining Engineering Society (3).
Freshman Cross-Country (1).
The Tech (3, 4), Chairman of Editorial Board (4).
Entered Freshman Year.

Jesse Andrew Rogers, Jr. “Roge”
Newton, Mass., Born March 22, 1893.
Prepared at Newton High School.
Mechanical Engineering.
Mechanical Engineering Society (2, 3, 4).
Entered Freshman Year, Class of 1917.

John Winston Rogers, A.B., BOII “?”
Washington, Pa., Born May 11, 1895.
Prepared at Washington and Jefferson College.
Mechanical Engineering.
Mechanical Engineering Society (3, 4).
Entered Junior Year.

Kenneth Jacob Roman, ZBT “Ken”
Prepared at Brookline High School.
Mechanical Engineering.
Mechanical Engineering Society (2, 3, 4), Governing Board (3, 4), Secretary of Class (4); Technique Electoral Committee (2).
The Tech, News Board (1), Military Editor (2), Night Editor (2); Technique 1920, Statistics Editor; Junior Prom Committee (3); Smoker Committee (3, 4); Delegate to Des Moines Convention (4).
Entered Freshman Year.
George Ernest Rowe "Brownie"
Fall River, Mass., Born August 31, 1897.
Prepared at B. M. C. Durfee High School, Fall River.
Mechanical Engineering.
Mechanical Engineering Society, Trip Committee (3).
Entered Freshman Year.

Robert Rich Rowe, ATΩ "Bob"
Buffalo, N.Y., Born August 1, 1897.
Prepared at University of Buffalo.
Architectural Engineering.
Architectural Society (2, 3, 4); Frieze and Cornice.
Entered Sophomore Year.

Samuel Ruttenberg, ΦΩΔ "Rutty"
Brooklyn, N.Y., Born November 7, 1897.
Prepared at City College of New York.
Chemical Engineering.
Chemical Society (3, 4).
Entered Junior Year.

Edwin Delamater Ryer, ΔΚΕ "Pete"
Brookline, Mass., Born December 14, 1897.
Prepared at Brookline High School.
Electrical Engineering.
Oisers; Beaver Club; Theta Tau; Masque; Walker Club;
Electrical Engineering Society.
Tutco-War, Captain (1, 2); Institute Committee (1, 4);
Vice-President of Class (2).
Tech Show, Assistant Stage Manager (1), Stage Manager (2),
General Manager (3); Advisory Council on Athletics (4);
Chairman Point System Committee (4).
Entered Freshman Year.
Raymond Benedict Sandford  "Sandy"
Prepared at Phillips Andover Academy.
Electrical Engineering.
Electrical Engineering Society (2, 3, 4).
Entered Freshman Year.

Edward Earl Saunders, ΘΞ  "Tell"
Alfred, N.Y., Born October 4, 1896.
Prepared at Alfred Academy and Alfred University.
Electrical Engineering.
The Tech, Editorial Board (4); Glee Club (4).
Entered Sophomore Year.

Samuel Schenberg, ΦΔII  "Schen"
Brooklyn, N.Y., Born September 17, 1898.
Prepared at Boys' High School, Brooklyn, and
City College of New York.
Chemical Engineering.
Chemical Society (3, 4); Menorah Society (3, 4).
Swimming Team (3).
Entered Junior Year.

William Harrington Schimmelpfennig, ΚΣ  "Shimmy"
Waco, Tex., Born March 24, 1895.
Prepared at Waco High School and Texas A. and M. C.
Architectural Engineering.
Architectural Society, Vice-President (3), Ex-
ecutive Committee (4); Frieze and Cornice.
Entered Sophomore Year.
James Hamilton Scott, Jr., ΔΨ “Jimmie”
Richmond, Va., Born September 13, 1898.
Prepared at Gilman School.
Mechanical Engineering.
Mechanical Engineering Society (3).
Tug-o'-War (1).
Entered Freshman Year.

James Bennett Scully, ΣΤΑ “Jim”
Hyde Park, Mass., Born December 4, 1895.
Prepared at Hyde Park High School and Tufts Engineering School.
Mining Engineering and Metallurgy.
Mining Engineering Society.
Football (2); Baseball (2).
Entered Sophomore Year.

Elias Karnig Sehagian, A.B. “Chapeux’
Kesirig, Armenia, Born July 15, 1896.
Prepared at Armenian National High School and Euphrates College.
Civil Engineering.
Entered Sophomore Year.

Morroe Shakespeare “Shake”
Kalamazoo, Mich., Born September 25, 1898.
Prepared at Detroit University School.
Engineering Administration.
Corporation XV (2, 3, 4).
Entered Sophomore Year.
Walter Albert Sherbrook, ΔΦ "Walt"
Brookline, Mass., Born August 10, 1898.
Prepared at Stone School.
Mechanical Engineering.
Mechanical Engineering Society (2, 3, 4); Aeronautical Engineering Society (4).
Class Crew (1, 2); Swimming Squad (1).
*Entered Freshman Year.*

Abraham Esau Shlager, ΤΕΦ "Shlag"
Boston, Mass., Born September 18, 1898.
Prepared at Mechanic Arts High School, Boston.
Civil Engineering.
Civil Engineering Society (2, 3, 4); Menorah Society.
*Entered Freshman Year.*

Max Shlager "Sunshine"
Malden, Mass., Born January 22, 1899.
Prepared at Malden High School.
Chemical Engineering.
Chemical Society (3, 4); Menorah Society (3, 4).
*Entered Freshman Year.*

Henry Swain Simms, ΦΙΔ "Simme"
Prepared at University of Maine.
Chemistry.
*Entered Junior Year.*
Eugene Wallace Sloane, ΣX "Gene"
Salt Lake City, Utah, Born September 9, 1896.
Prepared at University of Utah.
Mechanical Engineering.
Entered Senior Year.

Harold Francis Smiddy "Hal"
Fayville, Mass., Born June 3, 1900.
Prepared at Peters High School, Southboro, Mass.
Electrical Engineering.
Electrical Engineering Society (2); Chairman Executive Committee (3, 4).
Entered Freshman Year.

Edgar Reynolds Smith, ΦΚΣ "Wren"
Wilmington, Del., Born May 13, 1897.
Prepared at Wilmington Friends School.
Chemistry.
Κς; Chemical Society (2, 3, 4).
Wrestling (1).
Entered Freshman Year, Class of 1919.

Gravville Byam Smith, ΔΦ "Granny"
New York, N.Y., Born October 16, 1895.
Prepared at Hobrook's Preparatory School.
Electrical Engineering.
Captain Coast Artillery, U.S.A. Still in Service.
Entered Junior Year.
Hosea Hart Smith "Smitty"
Prepared at New Bedford High School.
Chemical Engineering.
Chemical Society (2, 3, 4).
Wrestling Team (1, 2).
Entered Freshman Year.

Frederic Hawley Swayne "Bud"
Prepared at Chauncy Hall School.
Electrochemical Engineering.
Chemical Society (1, 2).
Entered Freshman Year, Class of 1919.

Everett Alexander Searl "E"'
Newburyport, Mass., Born December 23, 1897.
Prepared at Newburyport High School.
Engineering Administration.
Electrical Engineering Society (3); Executive Committee (3).
Entered Freshman Year.

Ralph Brackett Spencer "Tub"
Brockton, Mass., Born April 12, 1899.
Prepared at Brockton High School.
Civil Engineering.
Civil Engineering Society (4).
Entered Freshman Year.
Roy Nathan Spitzer  
Chicago, Ill., Born January 16, 1899.  
Prepared at R. T. Crane High School and Armour Institute of Technology, Chicago.  
Architecture.  
*Entered Sophomore Year.*  
Deceased December 7, 1919.

Creighton Boyd Stanwood  
Portland, Me., Born May 15, 1898.  
Prepared at Portland High School.  
Chemical Engineering.  
Chemical Society (2, 3, 4); Technology Christian Association (3, 4), Treasurer (3, 4).  
Freshman Tennis Team (1), Captain (1).  
Dormitory Committee (2, 4), Secretary (4); Regional Chairman Undergraduate Endowment Fund Committee (4).  
*Entered Freshman Year.*

Edward Stark "Ed"  
Brooklyn, N.Y., Born April 29, 1898.  
Prepared at Boys' High School, Brooklyn.  
Chemical Engineering.  
Chemical Society (3, 4); Menorah Society (3); Aeronautical Engineering Society (4).  
*Entered Junior Year.*

Edmund Carey Sullivan "Sully"  
Lowell, Mass., Born August 21, 1897.  
Prepared at Lowell High School.  
Civil Engineering.  
Civil Engineering Society (3, 4).  
*Entered Freshman Year.*
Robert Llewellyn Sunwall, 2N “Ike”
Lewes, Del., Born July 8, 1895.
Prepared at Delaware College.
Civil Engineering;
Masonic Club (4); Civil Engineering Society
(4); Phi Kappa Phi.
M. I. T. Orchestra (4), Manager-Treasurer (4),
Concert Master (4); Tech Show Orchestra (3);
Finance Committee (4).
Entered Junior Year.

Yun Hsiao Sun “Sunny”
Kao-yu, Kiangsu, China, Born July 29, 1897.
Prepared at Tsing Hua College, Peking, China.
Mechanical Engineering.
Mechanical Engineering Society (3, 4); Aeronautical Engineering Society (4).
Entered Sophomore Year.

George Whitney Swift “Speed”
Taunton, Mass., Born June 30, 1897.
Prepared at Taunton High School.
Mechanical Engineering.
Mechanical Engineering Society (3, 4).
Entered Freshman Year.

Clarence Marshall Syner, AXA “Sy”
Taunton, Mass., Born March 21, 1898.
Prepared at Taunton High School.
Mining Engineering and Metallurgy.
Mining Society (3, 4).
Tug-o’War (2).
Entered Freshman Year.
Gerald Tattersfield, ΘX "Jerry"
Philadelphia, Pa., Born November 3, 1898.
Chemical Engineering.
Sylus: Chemical Society (2, 3, 4); Aeronautical Engineering Society (1, 2); Rifle Club (4); Technology Christian Association (1, 4), Chairman Community Service (3, 4).
Football (2), Technology Monthly (2), Managing Editor (2); The Tech (3), Proof Editor (1); Regional Undergraduate Chairman of Endowment Fund (4).

Entered Freshman Year.

Garvin Robert Taylor "Gav"
Methuen, Mass., Born August 12, 1896.
Prepared at Methuen High School.
Chemical Engineering.
Chemical Society (2, 3, 4).

Entered Freshman Year.

Merritt Harrison Taylor, ΔΨ "Tail"
Wayne, Pa., Born August 2, 1899.
Engineering Administration.

Entered Freshman Year.

Louis Godfrey Leopold Thomas, B.S.
Prepared at Lewis Institute.
Mechanical Engineering.

Entered Junior Year.
Robert Wilson Tirrell, 0X “Bob”
Brockton, Mass., Born October 26, 1898.
Prepared at Brockton High School.
Mechanical Engineering.
Mechanical Engineering Society (4).
Entered Freshman Year.

Robert James Tobin “Bob”
Mountain Home, Ida., Born August 18, 1897.
Prepared at Washington State College and University of Minnesota.
Chemical Engineering.
Chemical Society (2, 3, 4).
Dormitory Executive Committee (3).
Entered Sophomore Year.

Ralph Ellsworth Tribou “Trib”
Montello, Mass., Born December 24, 1896.
Prepared at Brockton High School.
Civil Engineering.
Civil Engineering Society (2, 3, 4).
Entered Freshman Year, Class of 1919.

Teng Chang Tsu
Kashing, Chekiang, China, Born February 21, 1896.
Prepared at Naval Academy, Chefoo, China.
Electrical Engineering.
Chinese Students Club (3, 4), Vice-President (4); Cosmopolitan Club (3, 4); A. I. E. E. (3, 4); Radio Society (4), Chinese Science Society (3, 4); Chinese Engineering Society (4).
Entered Junior Year.
Aaron Tushin, TΔΦ “Al”
Chelsea, Mass., Born October 12, 1898.
Prepared at Boston English High School.
Chemical Engineering.
Chemical Society (2, 3, 4); Menorah Society
(2, 3); English High Club (1, 2).
M. I. T. Orchestra (2, 3).
Entered Freshman Year.

Howell Newbold Tyson, ΔT “Ty”
Pasadena, Calif., Born July 7, 1899.
Prepared at Pasadena High School and Throop
College.
Mechanical Engineering.
Mechanical Engineering Society (3, 4).
Entered Junior Year.

Edward Tiffany Van Deusen, XΦ “Van”
Pasadena, Calif., Born August 9, 1897.
Prepared at Pasadena High School and Throop
College.
Mechanical Engineering.
Mechanical Engineering Society (4); Air Service
Club (3), Secretary-Treasurer (3); Undergrad-
uate Committee Endowment Fund (4).
Entered Junior Year.

George Walmsley “Walm”
Prepared at New Bedford High School.
Electrical Engineering.
Electrical Engineering Society (2, 3, 4).
Entered Freshman Year.
Han Chen Wang
Peking, China, Born July 5, 1896.
Prepared at Pei-Yang University, Tientsin, China.
Electrical Engineering.
Chinese Science Society (3, 4); Chinese Students Club (3, 4).
Entered Sophomore Year.

Robert Peverell Wariner, 6X “Unk”
Bethlehem, Pa., Born August 1, 1898.
Prepared at Dalwhitch College, Dulwich, England.
Engineering Administration.
Cosmopolitan Club (1, 2, 3, 4); Corporation XV (2, 3, 4); Mechanical Engineering Society (2, 3, 4); Electrical Engineering Society (2, 3, 4); Aeronautical Engineering Society (4).
Crew (2).
Personals Editor, The Tech (3).
Entered Freshman Year.

Earle Francis Watts
Quincy, Mass., Born October 16, 1897.
Prepared at Thayer Academy.
Civil Engineering.
Civil Engineering Society.
Entered Freshman Year.

Tsen Fu Wei “Sub”
Canton, China, Born June 15, 1896.
Prepared at Naval Academy, China.
Naval Architecture and Marine Engineering.
Naval Architectural Society (2, 3, 4); Chinese Club (1, 2, 3, 4); Secretary (2); Cosmopolitan Club (1, 2, 3, 4); Treasurer (3); Aeronautical Engineering Society (4).
Finance Committee (3).
Entered Freshman Year.
Leo Weinberg "A"
Kimberley, South Africa, Born March 21, 1895.
Prepared at the University of Capetown.
Chemical Engineering.
Chemical Society (3).
M. I. T. Orchestra (3), Librarian (3).
Entered Junior Year.

Scott Hunter Wells, AKE "Scotty"
Portland, Ore., Born September 14, 1897.
Prepared at Portland Academy.
Mechanical Engineering.
Beaver Club; Stylus; Oasis; Mechanical Engineering Society (3), Vice-President (3).
Cross-Country (1); Swimming (1).
Circulation Manager of The Tech (3); Institute Committee (3, 4); Executive Committee (3); Chairman of All Technology Smoker Committee (3, 4); President of Technology Christian Association (3).
Entered Freshman Year.

David Wexler, TEΦ "Wex"
Fall River, Mass., Born January 15, 1899.
Prepared at B. M. C. Durfee High School, Fall River.
Civil Engineering.
Civil Engineering Society (3, 4); Menorah Society (1, 3, 4).
Entered Freshman Year.

Laurence Elmer Weymouth "Larry"
Dexter, Me., Born April 9, 1899.
Prepared at Dexter High School.
Chemical Engineering.
Chemical Society (2, 3, 4); Alpha Chi Sigma.
Entered Freshman Year.
Murray Morrison Whitaker  "Merc"
Hamilton, Ohio, Born May 14, 1897.
Prepared at Hamilton High School.
Chemical Engineering.
KαS; Chemical Society (2, 3, 4); Vice-President (4);
Masonic Club (4), Executive Board (4).
Cross-Country (1); Junior Prom Committee (3);
Dormitory Committee (2, 4); Dormitory Executive Committee (4), Chairman (4); Tech Show Chorus (1); Dele-
gate to Student Volunteer Convention (4).
Entered Freshman Year, Class of 1919.

Kenneth Blake White, 6X  "K B"
Morrisville, Pa., Born October 13, 1899.
Prepared at New Jersey State Model School.
Engineering Administration.
Electrical Engineering Society (2, 3, 4); Mechanical Engineering Society (4); Corporation XV (2, 3, 4); Rifle Club (3, 4), Treasurer (4); Aeronautical Engineering Society (4).
Editorial Board, The Tech (3, 4); Technology Monthly, Advertising Manager (2).
Entered Freshman Year.

Ernest Parker Whitehead  "Whitey"
Prepared at North High School, Worcester.
Civil Engineering.
Masque; Civil Engineering Society (2, 3, 4);
Rifle Club (1, 2); Tech Show (1), Assistant Business Manager (2), Treasurer (3); Finance Committee (3).
Entered Freshman Year.

Charles Thomas Wilson  "Pete"
St. Louis, Mo., Born October 5, 1896.
Prepared at Manual Training School, St. Louis.
Architecture.
Frieze and Cornice, Secretary-Treasurer; Architectural Society (2, 3, 4).
Assistant Art Editor Technique 1920; Art Staff, Voo Doo (3).
Entered Freshman Year.
George Arthur Wilson  “Art”  
Newburyport, Mass., Born January 27, 1898.  
Prepared at Newburyport High School.  
Naval Architecture and Marine Engineering.  
Naval Architectural Society (3, 4).  
Class Relay Team (2).  
Cross-Country Team (2).  
Entered Freshman Year.

John Chester Wilson, 64X  “Woodie”  
Portland, Ore., Born January 13, 1899.  
Prepared at Portland Academy.  
Electrochemical Engineering.  
Electrical Engineering Society (2, 3, 4); Radio Society (2, 4).  
Entered Freshman Year.

Leland David Wilson, AXA  “L.D.”  
New Rochelle, N.Y., Born June 26, 1898.  
Prepared at New Rochelle High School.  
Civil Engineering.  
Civil Engineering Society (2, 3, 4), Executive Committee (1);  
Track (1); Tug-o’-War (1, 2); Class Secretary (3).  
Technique 1919, Assistant Business Manager (2); Technique 1920, Associate Business Manager.  
Entered Freshman Year.

Walter Lawrence Winant, AT  “Larry”  
Poughkeepsie, N.Y., Born February 24, 1895.  
Prepared at Phillips Exeter Academy.  
Engineering Administration.  
Beaver Club; Corporation XV (2, 3, 4), Director (4).  
Electoral Committee (3); Business Staff and Assistant Advertising Manager, The Tech (1); Advertising Manager, The Tech (2); Cast, Tech Show (1); Committee on Publication, “Concerning M. L. T.” (3).  
Entered Freshman Year.
Arthur Wiesebaum, TEP “Weinie”  
Lawrence, Mass., Born September 28, 1895.  
Prepared at Lawrence High School.  
Civil Engineering.  
Civil Engineering Society (3, 4); Menorah Society (3, 4), Executive Committee (3, 4).  
Entered Freshman Year, Class of 1919.

Helley Stetson Winkfield “Wink”  
Winter Hill, Mass., Born September 30, 1897.  
Prepared at Thayer Academy.  
Electrical Engineering.  
Electrical Engineering Society (3).  
Baseball (1).  
Mandolin Club (4); Boxing (4); M. I. T. Orchestra (4).  
Entered Freshman Year, Class of 1915.

James Jacob Wolfson, ZBT “Jimmy”  
Winthrop, Mass., Born April 3, 1899.  
Prepared at Boston English High School.  
Architectural Engineering.  
Architectural Society (1, 2, 3, 4); Menorah Society (2, 3, 4), Executive Committee (2), President (3, 4).  
Tech Show, Chorus (1), Cast (2).  
Entered Freshman Year.

Cheng-Hsue Yang “Young”  
Changsha, China, Born September 5, 1897.  
Prepared at Tsing Hua College, China.  
Chemical Engineering.  
Cosmopolitan Club (3, 4); Chinese Students Club (3, 4).  
Entered Junior Year.
Soa-Lien Yang  "Lamb"  
Szechuen, China. Born August 20, 1898.  
Prepared at Government Institute of Technology, 
China.  
Electrical Engineering.  
Chinese Students Club; Electrical Engineering 
Society.  
Entered Junior Year.

Albert Morse Young  "Al"  
Manchester, N.H., Born August 10, 1897.  
Prepared at Manchester High School and Dart- 
mouth College.  
Chemistry.  
Chemical Society (2, 3, 4).  
Track Squad (3, 4); Gym Team Squad (4).  
Entered Sophomore Year.

Philip Lee Young, XP  "Phil"  
Louisville, Ky., Born April 21, 1898.  
Louisville Boys High School.  
Chemical Engineering.  
Chemical Society (2, 3, 4); K.S.  
Undergraduate Committee Endowment Fund.  
Entered Freshman Year.  

Fred Ernst Zurwelle  
East St. Louis, Ill., Born June 25, 1889.  
Prepared at Lowell Institute.  
Architectural Engineering.  
Architectural Society (4), Vice-President (4);  
Masonic Club (4);  
Walker Memorial Committee (3); Dormitory 
Chairman (4).  
Entered Freshman Year.
CLASS OF 1921

CLASS OFFICERS

President
Garvin Bawden

Vice-President
Lawrence Wickes Conant

Secretary
Laurence Berry Davis

Treasurer
Francis Bowen Kittredge

INSTITUTE COMMITTEE

Richard Julius Spitz

William Hoyt Young, Jr.

EXECUTIVE COMMITTEE

Henri Pell Junod

Robert Walker Barker

Spitz  Barker  Young
Junod  Conant  Bawden  Davis  Kittredge
PAST OFFICERS OF THE CLASS

SOPHOMORE YEAR

President
William Hoyt Young

Vice-President
Lawrence Trowbridge

Secretary
John Newton Worcester

Treasurer
William Robert Barker

INSTITUTE COMMITTEE
Garvin Bawden
Richard Julius Spitz

EXECUTIVE COMMITTEE
Robert Walker Barker
Lawrence Wickes Conant

FRESHMAN YEAR

President
Ernest Farnham Stockwell

Vice-President
Lawrence Trowbridge

Secretary
Richmond Sanford Clark

Treasurer
Joseph Henry McEvoy, Jr.

INSTITUTE COMMITTEE

*Garvin Bawden
Edmund Francis O'Hearn
Rollin Francis Officer

EXECUTIVE COMMITTEE

Arthur Warren Norton
John Newton Worcester

* Resigned
WEARERS OF THE INSTITUTE INSIGNIA

WEARERS OF THE T
Anthony Anable
Paul Nathaniel Anderson
Oliver Louis Barde
Garvin Bawden
Theodore William Bossert
Donald Bidwell Carter
Charles George Dandrow, Jr.
James Francis Downey, Jr.
Alfred Hocking Fletcher
Clark Doane Greene
John William Kellar
Arthur Clinton Newton
Fred Luman Raymond
Palmer Scott
Theodore Parker Spitz

WEARERS OF THE A\T
Paul Nathaniel Anderson
Oliver Louis Barde
Garvin Bawden
Rodrie Leslie Bent
Donald Bidwell Carter
James Francis Downey, Jr.
Arthur Hocking Fletcher
Henri Pell Junod
Fred Luman Raymond
Palmer Scott
Theodore Parker Spitz
Card Leon Stone

WEARERS OF THE C\T
Donald Fell Carpenter

WEARERS OF THE T\T
William McWane
Thomas Henry West

WEARERS OF THE S\T
Clark Doane Greene
Richard McKay
Isadore Harry Rogovin
William Hoyt Young, Jr.
Richmond Hastings Skinner

WEARERS OF THE W\T
Julius Gordon

WEARERS OF THE K\T
Arthur Norman Brambach
Munroe Chaplin Hawes
John Franklin Pierce
Arthur Lewis Silver
Richmond Hastings Skinner

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WEARERS OF THE NUMERALS

Class of 1921

BASEBALL
Edmund Francis O'Hearn
Alfred James Shaughtnessy
Lawrence Wickers Conant
Edwin Francis Delany
Ambrose Lawrence Kerrigan

Thomas Haskins Goshiam
Robert Walker Barker
Andrew George Crowley, Jr.
Edmund John MacDonald
Albert Eugene Frawah

RELAY
Garvin Bawden
Henri Pdi Junod
Charles Wallace Scranion
Herbert Kenneth Noek
Palmer Scott

Oiver Louis Bardes
Tsu-Kuang Lin
Anthony Anable
Mark Valentine Hamburger
Clinton Arthur Newton

CREW
Irving Daniel Jakobson
William Forrester Clements
Donald Morse
Robert William Hasakel
Harold Montgomery Noelke

Dyton Talman Brown
William Fieldsne
Leon Albertus Lloyd
John Newton Worcester
Trevor Otto Moorhead Davidson
Edwin Theodore Stefan

WRESTLING
Alberto Aurelio Acosta
William Robert Barker

John Drummond Bowman
Carl Augustinus Johnson

FOOTBALL
Edward Wolcott Booth
John Louis Hurley
Henry Newman Landis
John Joseph Murphy

Isadore Harry Rogovin
Ralph Waldo Wood
Samuel Fletcher Chalfin
Francis Bowen Kitteridge

TRACK
Oliver Louis Bardes
Lawrence Wickers Conant
Alfred Rocking Fletcher
Henri Pdi Junod
Fred Loomis Raymond
Everett James Wilson
Morris Fahnstock Sheldon
Mark Valentine Hamburger
Tsu-Kuang Lin

Albert James Kiley
Richmond Hastings Skinner
Elliott Burgess Roberts
Donald Atheron Robbins
Bruce Morton Mills
Norman Insley
Myer Harry Naiples
Alfred Rocking Fletcher
Hurshat Field Frease

SWIMMING
Clarke Deane Greene
Richard McKay
Richmond Hastings Skinner

John Ellsworth Sow
Richard Lee
Ois Hubbard Troubridge
Ralph Edmund Fernand

William Hoy Young, Jr.
Isadore Harry Rogovin
Charles Wallace Scranion

TENNIS
Philip Higginbotham Hatch

Lawrence Wellington Troubridge
WHO'S WHO AND WHY

Each year the Junior class adds its list of notables to Technology's Roll of Fame. We, of 1921, hereby bring forth our list of "Blue-Book" eligibles, together with notation of certain popular opinions. These facts and fancies were all properly determined by official ballots cast by all of the liver members of our class.

Who of the Class of 1921 is

THE MOST POPULAR—WITH THE FELLOWS?
There was no doubt about this—it's Mish Bawden.

THE MOST POPULAR—WITH THE LADIES?
Lots of competition for this great honor! Some admitted personal distinction for themselves. Harry Junod "that he was till 'she' got engaged." However, they say that Wallie Adams and Scripps Booth have both smashed many a little heart in their time and are still in the game.

THE MOST POPULAR—WITH HIMSELF?
J. T. Peirce, Dick McKay, and A. L. Silver put all other possible candidates out of the race.

THE MOST LIKELY TO SUCCEED?
W. R. Barker wins the count against scattered votes.

THE MOST UNLIKELY TO SUCCEED?
Possibilities seem infinite. Any and all "C" chasers were popular candidates, especially those birds who bewail their lowly fate in rating only six out of a possible eight.

THE MOST PIOUS?
Larry Conant got a lot of support here, with all the Des Moines delegates trailing him.

THE MOST WORLDLY WISE?
What Johnny Starkweather doesn’t know about hasn’t happened yet, that’s all!

THE MOST CHEERFUL LIAR?
No uncertainty here! Win Dean caused a landslide vote. Win even admits that he is clever at it.

THE BIGGEST DUB?
Nine-tenths of the fellows claimed this quality all for themselves. Strange how the 'Stute can create that feeling in one!

THE MOST SERIOUS-MINDED?
No one voted for him, but the fellow who said that dominoes was his favorite indoor sport should rate the vote on general principles. J. G. Lee got a big vote, with J. Vanhorn Whipple's matured mustache showing him in.
Who of the Class of 1921 is

THE MOST LIGHT-HEADED?
A lot of rare wit was spilled about the blondes, among them Blomquist and Whitehead!!

THE BEST SPORT?
Irving Anderson—“always happy Jake”—scores highest. They also say that Ken Sutherland takes lots of kidding!

THE BIGGEST SOREHEAD?
Hans, C. E. Thomas, Vaupel. Take your pick.

Who Is Our

BOSS POLITICIAN?
From the way Rollin Officer corralled the decisions we have a hunch that he could swing even a South Boston vote. And they say that Bill Young can engineer things pretty well, too.

CHAMP ACTIVITIES MAN?
Paul Anderson never seemed to have any regard for the Point System. Dick Spitz kept everything going except his course at the 'Stute.

HOT-AIR EXPERT?
Egbert W. Olcott receives a hundred per cent. Course VI. vote. John Gray runs strong with the mechanical gang. Win Dean isn’t the last man on the list, either.

ARROW COLLAR AD REPRESENTATIVE?
It seems to be general opinion that J. H. Bayle, Dwight Stagg, and Dick Lee should all be strongly recommended to the collar company out in Troy.

JOY-KILLER?
Who can blast more young, tender hopes than Sir Walter?

BEST WELLESLEY HOUND?
Paul Anderson has a B. & A. train schedule tacked up near his telephone. Bruce Rogers is about one twelve-trip ticket behind him.

BEST COPLEY HOUND?
Henry Landis seems to have more “nights” to his credit than anyone else. Art Rogers, Harry Junod, and J. Trevor Peirce are also observed down there every now and then.

MOST FAITHFUL STAGE-DOOR SENTINEL?
Those who saw I. D. Jakobson and Wallie Adams at the Interfraternity dance say there’s no doubt about this. Jake insists that the Gaieties was a “nice” show, too! “Tis said that Miles Zoller, Scripps Booth, and Pip Coffin are also faithful.

BEST ATHLETE?
Flip a jet between Mish Bawden and Ted Spitz.
Who Is Our

WORST ATHLETE?
We are told that Dick Spitz left building 2 as the afternoon car left Harvard Square—and he missed it!

CLASS BEAU BRUMMELL?
J. Henri Bayle wins this without disturbing a hair.

CLASS JOHN BARLEYCORN? (in ye elden days)
The vote revealed a long, long line of eligibles. Too many to print! Some say inquire from the Beaver Club gang.

CLASS BOLSHEVIST?
Canzanelli, Creel, and Lurie won most of the laurels!

WHAT'S YOUR WILDEST AMBITION?
What could be wilder than a dream of graduating—some day? Some few expressed rather tame desires like inheriting a million or getting married!

GOT A GIRL?
36 per cent. said, “Yea Bo.”
24 per cent. said, “Not one—several.”
24 per cent. said, “Never can tell.”
16 per cent. said, “H - - - No!”

WHAT DO YOU KNOW ABOUT WELLESLEY?
“Ask the man who knows one.” “You'd be surprised.”
Murray Jones insists that you are not always out of luck if you miss the 10:05 train.

WHO WAS ENTROPY?
Few there are who really know him. Strange! Some have vague premonitions that he's somehow related to either Eutectic, Double Ef, Berry, or Nero.

EVER TAKE A NAP IN HEAT LECTURES?
Not peaceful ones—nightmares!

THINK YOU'LL EVER BECOME AN ENGINEER?
Many thought there might be a fair chance of acquiring the title if given a job on the New Haven. The others didn't even think of that possibility.

ARE YOU SUPERSTITIOUS? DO YOU BELIEVE THAT THE NUMBER 10 BELONGS IN THE SAME CLASS WITH 13 AND 23?
There were but very few who displayed no knowledge of that ominous creation of the faculty,—Vote Ten. Just a few little unlucky breaks, they say, plus The Vote seem to be sufficient to cause sonny's hasty departure for home and family.
HOW MANY HOURS PER DAY DO YOU STUDY? HOW MANY FOR LOAFING?

Beyond a doubt these Juniors are industrious fellows. They can generally find something to study every evening. Bill Young says that his study sessions begin at either 8.00 or 8.15 P.M., depending on where he goes, you know. The average time for grinding figured at about five hours. The class appears even more able at loafing, accomplishing a lot of it in “the barn,” 3–270, 4–270, 3–440, or 10–250.

What’s Your Favorite

BEVERAGE?

Some of the fellows claim that their favorite “ain’t no more.” But we got a lot of suggestions, too. Wood alcohol is good to finish a little party with. Then there’s Zepp’s Hair Tonic (only 56%). Bevo is good to fall back on.

HOBBY?

Seben-come-eleben, or the old reliable Vice and Bench work.

INDOOR SPORT?

How human they are after all! By those “family firesides” (minus all of the family), and— Oh! Man!

COLLEGE, BESIDES TECH?

Smith wins by a big lead, followed by Sargent, Wellesley, Vassar and Yale, in the order named.

STUDY?

Women, Astronomy, or Polly-con. And incidently we would like to know what Bill Young knows about that Modeling class down at Rogers.

LITERATURE?

“The Voo Doo” first, then “La Vie Parisienne” and “The Tech.”

PROF?

The old stand-bys,—Eddie Miller and Doc Talbot.

HAUNT?

The Lenox Grill used to be. Some know that the corner of Tremont and Boylston is good with favorable zephyrs blowing. Others say Wellesley suits them.

SHOW?

“Tech Show” ahead of anything else on the boards. After it comes “The Follies,” “Sinbad,” and “The Unknown Purple.”

ACTRESS?

Our Freddie Britton takes the first honors against a whole stage full of notables. And when Norma kisses --- !!! Julia Sanderson and Ina Claire are not without their admirers, either!
CLASS OF 1922

CLASS OFFICERS

President
Warren Tebbetts Ferguson

Vice-President
Winslow Corson Morse

Secretary
Willard Bates Purinton

Treasurer
Charles Edmond Brokaw

INSTITUTE COMMITTEE
Sidney Miles Biddell
Abbott Livingston Johnson, 2d

EXECUTIVE COMMITTEE
Nathaniel Oliver Robinson
Elmer Weston Hammond
ON the tenth of October nineteen eighteen there was found in the main
lobby an infant. Since no one called to claim it and we took a liking
to it, it was adopted into our midst and christened Duoet Viginti. Doubt-
less you are all familiar with him (he proved to be a boy), for he is the
largest child that has as yet been adopted by the Institute, and so far
promises to become one of her most favored sons.

Although nurtured in infancy on the food of war (S. A. T. C.) and
subject to all the exposures and hardships attendant upon such circum-
cstances, his growth has not been stunted in the least. In fact historical data
qualifies the statement that in January nineteen nineteen, as a result of the
Junior Freshman episode he gained some three hundred "grams" (scientifically speaking), and last fall we were told that he had gained some two
hundred more.

The stimulation of the Junior Freshman episode drove him to queer
antics which resulted in the disapproval of his kind benefactor, but it
created in his brethren a great esteem, for his acrobatic qualities had
placed his emblem in those lofty positions envied by all.

Merry always and full of cheer, no wonder his first birthday banquet
was a glorious feast. In mentioning this, it were impossible to omit the
customary ceremony whereby he was initiated into the mystery of Insti-
tute life and led forth to be tempted into that city whose name has per-
meated a world, and the mention whereof has quickened the heart of many
a student of culture. For a son of Technology to be tempted and not
fall into the wiles of that city—! Suffice it to say that he was a credit to
the name he bore and did justice to those who had trodden the wayward
path before him.

"Duo" gives great promise of becoming a famed scientist, for at an
early age he conclusively demonstrated Darwin's theory that humans,
when young, like their brothers who walk on their hands, have a grip of
tremendous tenacity when tugging at a rope. In this connection he re-
vealed not only his ability for leadership but also a cunning appreciation of
opportunity by utilizing the efforts of his older brother to prove the
experiment, and taking advantage of the large gathering on field day to
demonstrate it. At that evening's entertainment he was accorded the
seat of honor, the "highest" in the place, and he delighted himself at
intervals by showering the noisy family below with miscellaneous missives.

Browned and baked by the sun on the Charles and the proud master
of a differential, we find Duoet after a pleasant summer the host to
"Skidoo," an awkward biped mailed to the Institute for experimental
purposes. The first month was spent in impressing upon "Skidoo" by
means of a rope and a shell, and those conveyances of physical mani-
festation that serve to thoroughly impress a younger, how vital he was
to the Institute, and how necessary—for the development of "Duo."

At his second birthday banquet with joyful singing to the tune of
"Thirteen to Nothing" he celebrated the complete field day subdual of
"Skidoo," and solemnly dedicated his abilities to the interest of the
Institute. Needless to say the affair was a great success and we are
completely justified in quoting those immortal words, "A good time was
had by all."

We find that his promises were not vain. Seasoned by experience
and nourished by victory his zeal was paramount. He continued to pur-
sue his course of indomitable leadership which was so thoroughly estab-
lished the year before when he took the part of leading lady in a prom-
inent musical comedy and demonstrated to the appreciation of contemporaries his aquatic ability. The wrestling and gym teams seized
the opportunity to acquire a peerless leader and they chose him as their
captain. To him also were intrusted the offices of general manager and
treasurer of the Technology Musical Clubs, and the clear tone and quality
of his playing was everywhere remarked. As an "Ad Chaser" he has no
equal, for nearly all the advertising matter which appears in the latter
part of this volume has been secured through his efforts. Satisfied by his
keenness and business ability the swimming and wrestling teams elected
him to determine their plan of campaign, and whatever would have become
of The Tech without his services is painful to contemplate.

None daunted by participation in strange fields he continued to exhibit
an ever increasing skill in swimming, his merits echoing even to foreign
shores. We note with satisfaction that his was an ambitious and venture-
some nature, ever active and yet intelligently reflective.

In closing this brief biographical sketch we are tempted to paint a
vivid future for our hero but we refrain, modesty compels us, being so
intimately related to him. We have decided that it were better far for him
to convey himself by his actions, than for us to boost him to the skies.
So with a sincere belief that we have said no more than fact has merited,
we close, endeavoring to encourage him with our interest and religiously
determined to do all in our power to assist in elevating him to the lofty
pedestal of which we believe him worthy.
TECHNIQUE 1921

"Cliff"

"Park"

"Tom"

"Duffy"

"Joe"

"Cotton"

"Sam"

"Russ"

"Yard"
CLASS OF 1923

OFFICERS

President
Robert Payne Shaw

Vice-President
Franklin Groves Clement

Secretary
William Lyman Stewart, Jr.

Treasurer
Arthur Raymond Holden

INSTITUTE COMMITTEE
Charles Alan Brantingham

EXECUTIVE COMMITTEE
Winthrop Knowlton Coolidge

Robert Elverson Dodd

George Hale Hewett
EXTRACTS FROM A FRESHMAN DIARY

Dear 1924:

The present Freshman Class has decided to furnish a little fatherly advice for the future entering classes, to give them an idea, even though perhaps a vague one, as to what may befall them. For this reason the following has been preserved:

October 1919:

On the 6th, from the four corners of the globe the cohorts of 1923 gathered within the bounds of the grand and glorious Institute nearly seven hundred strong. It was the largest Freshman Class in the history of the Institute and has every indication of being the best. We soon settled down in our new surroundings to prove for ourselves whether or not the rumors we had heard (as to studies, etc.) were true.

However, we were not allowed to pursue this pastime too closely for at the "All Technology Smoker," on the 17th, we were treated royally and brought to realize the size of Technology and the opportunities of the various activities.

Unfortunately, because of the smoker and the police strike, our banquet was postponed. This took away a chance of becoming better acquainted with one another and tended somewhat to keep our class spirit under cover.

November:

Things went exceedingly well until the seventh (Field Day). The day was a glorious one (for the weather-man). Mathematically we were completely swamped, but that was not accomplished without a hard fight (several of them in fact, not scheduled) and a kind heart. The tug-o'-war, relay, and football teams, although very good, were satisfied to remain a few steps behind, but it was the crew race which furnished the thrills. We had been especially well coached for this race, so that a spectacular spurt, beforehand arranged, made the finish so close that many of the onlookers did not know who had won, and stood beseeching the judges to announce the winner, but they had also been fooled and announced erratically that '22 was the winner.

Nevertheless we swallowed our pill without crying and made the best
of it. Some sought to soothe their injured feelings by getting orchestra seats that night at the "Gaetées," with the Juniors and Seniors. (Lookout, '24, that's bad business.) The chorus girls, however, seemed to sympathize with us, for during the closing song of one of the acts they appeared with our class caps on. This caused considerable commotion among the Sophomore ranks. (Perhaps they were wishing that they had lost.) It was hard to settle down again after such a stirring up, but soon a little card marked "Duplicate" rudely awakened us. Soon the call for candidates for our swimming team was made, and many enthusiastic competitors turned out, showing that '23 was ready to do its share in upholding Technology's honor, even though, by a new ruling, Freshmen are excluded from all varsity squads.

December:
We held our elections this month and chose our Shah (R. P. Shaw).
Many of us also received our first taste of real Technology exams, and for every one it was not a particularly sweet taste. They had some of us scared, and much modern midnight oil was consumed in preparation. However, the exams were disposed of in one way or another and the first lap of our four-year(?) journey was completed.
The rest of the winter, and indoor, sport teams were called out and a good start made.

January, 1920:
We returned from vacation with a few of the originals missing. (It was only a few because of a new faculty ruling.) However, this depletion was more than covered by about one hundred Junior Freshmen who had chosen 1923 as their standard.

February:
More "Duplicate" and disappointment—they seem to go together.
It has been decided to hold our postponed banquet early in March.
A call for a basket-ball team was made recently, but has not as yet been given a test. The rest of the athletic teams have fared well, and it seems as though '23 has firmly established itself as an active part of the Institute other than merely the student body.
We hope that this short missive will be of aid to some in preparing for similar ordeals. We commiserate with the present and future students who are unable to be members of the glorious class of 1923.

Very sincerely,
1923.
Summer Camp
SUMMER CAMP

YOU know, fellows, this is supposed to be a brief history of the main events up at Summer Camp, where, when the end of the stay has come and each fellow thinks over the happenings during that time, he cannot but be glad that he is pursuing a course here at the Institute that requires his being present there.

It is a certainty that you won't find a single one of the hundred-odd fellows that boarded the train, August 4th, 1919, at 10 P.M., who will regret a minute of the time that he put in up there. Some, for various reasons, very nearly missed the train, while in the case of others, the reasons accompanied them to South Station to bid them a fond farewell.

Immediately on arrival, there was a grand rush toward Camp in jitneys. The Miners, by hiring a couple of canoes in which four of their number proceeded to cross the lake, gained the honor of being the first official arrivals in Camp. Soon after, the crowd arrived in the good old craft “The Tech,” chauffeured by Al Stevens himself, and dinner was served. We might here mention that from the very start the main thing in the dining-room was TO EAT, and, sad but true, this had a very bad effect on table manners. Competition started at the first meal to determine those of greatest capacity. Before many moons had risen, however, the Miners had gained this honor undisputed, proving easily their preëminence in this art. For individual honors the race was much closer, since among the Civils were several who showed marked ability along these lines. Four weeks were necessary before this Epicurean honor could be awarded, but finally by decision of Dick Shaw, our high and mighty chef, Carol Stone brought home the bacon to the Camp of the Miners.

There has to be some directing force in every community, so soon after the Camp opened, the crowd was addressed by the powers in charge, and, by the election that followed soon after, the following outfit was picked to hold the high and mighty power:

STUDENT COUNCIL

CHAIRMAN
H. V. Howes

SECRETARY AND TREASURER
R. H. Smithwick

MEMBERS
Adams
Curtin
Delany

Johnson
Junod
Knight

McDonald
Mos
Rogers

Skilling
Stone
Spitz

180
SUMMER CAMP

TO OFFICIALS

THE WHOLE CAMP

MUCH WATER

BASEBALL - THE BALL CR

MEN

CAMPING OUTF

FISH FRYER

NICE TRASH

181
And baseball! Oh, how they craved it! Every p.m., on completion of the afternoon's work, a crowd would gather on the athletic field, and only the call to dinner could break up the game. There were good players and bad ones, but somehow the interest remained high from the beginning to the end of our stay. A League was formed to determine the champions of Camp. Chairman Delany of the athletic committee picked the teams from those who signed up. Five teams were formed, and, as things resulted, Ed Delany's team romped off with the Championship. Therein lies the mystery still unsolved.

Ed MacDonald was picked as captain of the team which represented Camp in the games with East Machias, etc. Among his men were Eddie Howard, pitcher-extraordinary; Ace Gardner, a wonderful hurler, provided he had a day's rest—which somehow he never seemed to get; Brimblecom, tall, and hard to miss at first; hard-hitting Bill Farrisee at second; Curtin, who didn't miss very many, at short; and George Bray, a regular all-around ball-player, at third. In the outfield were Spitz, who has ambitions of becoming a pitcher; Johnson, slow but sure; and Knight, who was much better as Chairman of the House Committee. All in all, they constituted a well-balanced team.

Don't ever let any one tell you that there is nothing to do up there Saturday nights. Just ask Gibson, De Staebler, Rogers, Junod, Smithwick, Loesch, Skilling, Moss, or any one of the others, who seemed always to have important engagements in Machias about twelve o'clock Saturday night, causing them to miss the last boat back for Camp. But, to be fair to these boys, it must be said that the attraction over there was quite some strong; furthermore, it isn't often that one finds a seven-piece saxophone orchestra of the Wiswall type. Oh, no! Never will the names of Kay Gilsen, El Farrell, Edna Crane, Mary Halloway, Florence Nash, and many others, be forgotten.

But not all the dances were held in Machias. To be sure, the drafting-hall wasn't built for a dance-hall, but some very good times were had there, just the same. The girls came over in the boat, some thirty to forty strong, for each event, and the fun began. Professor Luther was always there in full regalia and surely did himself justice with the young ladies. There may have been better dances staged in the history of the Stute, but none more thoroughly enjoyed.

The time just seemed to fly past, and along came Labor Day. On this date, he of aforementioned athletic prowess gains the honor of leaving his name engraved on a silver loving-cup, along with those of great skill
who had gained their laurels before his time. For a time it appeared that Ted Spitz was going to have things his own way, but Harry Junod came into his own after the half-mile race, and, by placing second to Smithwick in the 50-yard swim, brought the points even all between himself and Spitz. One event, that of the underwater swim, remained. Spitz, not being a swimmer, remained out, and Junod did his best to carry off the honors undisputed; but luck was not with him, for, though he swam far and well, his course was not directed in a straight line, and consequently the cup is burdened with two names. But there were others in the competition. Stone showed his ability in the mile and half-mile, Brimblecom had little competition in the high jump, Vepsula showed his aptitude with the shot, while our modest friend Smithwick surprised every one in the swimming events. There were many more entered who did well, and all helped to make the affair a success.

And the Show! Oh, yes, the Show! Tech Show 1920 can find some excellent material in the members of that cast. Let a word to the wise be sufficient. Who doesn’t remember De Staebler, Hobey Baker, Rus Johnson, and Ace Gardner, our famous end men, with their wild antics? Just to glance over the noted personages in the cast is surely enough to prove without a doubt the great success of the performance. Read and believe!

TECHNOLOGY MINSTRELS

Arthur F. Rogers
Reginald H. Smithwick
Herbert C. De Staebler
Arthur W. Skillings

H. C. De Staebler
H. E. Gardner

End Men
C. N. Baker
R. C. Johnson

G. Bray
N. E. Ferguson
K. Jetter
W. G. Loech

C. A. Stone
F. Curtin
A. Fletcher
C. S. Knight

L. W. Moss
T. Van Dusen
W. J. Farris
W. Freeman

R. Lee
N. Ottens
J. Vaque

One doesn’t often have the pleasure of seeing a student cut up a professor’s hat in public, as did Herb De Staebler when he failed in his trick to knife Professor Babcock’s hat and restore it to its original condition with his magic words. The hall was packed to the limit, and among the
audience were such illustrious persons as Johnny Nash, who made the long trip from his home so as not to miss the occasion. Those who saw the performance were well pleased, and as for those who performed, they too enjoyed it up to the time when they had to remove the blacking from their darkened countenances. Following the show came the Junior Prom of Summer Camp, attended by all, both the students and inhabitants of Machias and East Machias. The memories of that night will live long in the minds of many.

But this history would be a failure were we to leave out that part played by the men who were not students. From Professor Luther down to the kitchen boy, there could not have been a better organization. No one could have done his work as head of Camp better than did Professor Luther. His discipline was strict yet wholly fair, and, as far as popularity is concerned, there was not a better liked man in the Camp. May those who follow us have the good fortune we possessed. Professors are not professors at camp, as we all know in our contact with Professor Robbins, Professor Howard, Professor Babcock, Professor Hosmer, and Professor Collomore. The assistants were all good fellows, which helped considerably. One must go far to find such fellows as Keith, Hole, Lucus, McCrery, Dawson, etc.; and all deserve a lot of praise for the manner in which Camp was conducted.

The Minors left Camp on September 10th, for their underground work in Vermont, leaving the Civils behind with the feeling that a large portion of Camp had departed.

Thenceforth the drive was on to see what would be the final count for the two months' work, and studying was for the first time really in evidence. Soon the days of exams were over, and after pulling down the tents and discarding the Camp outfit of clothing, across the lake were again borne the returning members of the party, each in the best of spirits, happy that he had been present, sorry to leave, and yet with the desire to get back to the State and all that it means in the life of an undergraduate.
MINING CAMP

YOU'VE got to hand it to those Miners. They were a real bunch if ever there was one here at the State. Professor Howard would never admit it,—in fact, he oftentimes proclaimed drastically in the opposite belief; but then, he wouldn't have told the fellows they were good even if they had been experts in their line. The bunch all liked him, and it's a good guess that it wasn't all one-sided, either.

The party, fifteen in number, including Professor Johnny and his assistant Griffith, departed from Maine on the tenth of September, much to the sorrow of the Civils, since most of the pep of the Camp departed with the Miners.

Professor Howard was kind enough to grant a day in Boston before leaving for the mine in Vermont. It was a day of days for the boys, and they surely did make The whole crowd re-overnight, except Reg some very important him up to New Hampshire said it was business. pointment came to had read about the the Hub and was just more to his large earn-Guard had arrived was doomed to disap-

After a six-hour ride in a bus, we ar- tion. The following first hike to the mine two miles distant. survey, survey, survey, time at night for sleep

The mine was wet, the hike was long, and none of the party wanted to lug the lunch-baskets. Eddie Noyes, however, was aspiring toward a "C," so he was rather easily influenced at times to help out. Speaking of Eddie, we must mention that his fair friend, Helen Lord, was there in all her glory, which leads to the statement Professor Howard made that "the Miners spoke two languages, poor English and Profanity." Judge the rest for yourself.

Then came the map-making without the drawing-tables. The floor had to serve for this purpose, and the maps proved the fact that when good drawings are desired, situations other than the floor should be found. Then followed the exam. On asking any one of the crowd, you will be told that it didn't take long to pack up after that, and soon the Miners were again on their way back to Boston and the one and only—School.
Athletics at Technology

ATHLETIC sports at Technology have always been hampered, but at last they are coming to their own. The Institute at large realizes that we must keep up our prestige with other colleges, this is in the main done by athletics. Nothing can help a college more than good, clean, straight athletics; and this is what Technology stands for in the Athletic World. As with all other colleges, we had to fight our way through the ranks, meeting smaller opponents at first and then expanding until now, when we are recognized as being in the first rank of athletics. We compete against such colleges as Cornell, Dartmouth, Harvard, and Pennsylvania; and though we taste of defeat, may it always be said that Technology goes down fighting.

During the 1919-20 season Technology was very successful in athletics. Her Track Team won the New England Intercollegiate Championship for the third consecutive time. This victory also entitled her to the first leg of the Briggs Cup, which is awarded to the team winning the most championships in the next eight years. Major Briggs is a prominent backer of athletics in general, and especially those of the Institute. The Tennis Team likewise carried off a New England Inter-Collegiate Championship. The Swimming Team has only been defeated twice in five years, and both of these times by Yale University, the Intercollegiate Champion. Our other sports have also more than held their own, and the prowess of Technology along athletic lines is beginning to stand out.

Technology is also striving to establish more varied kinds of athletics, and therefore new athletics are springing up at the Institute. During the last year many athletics that had either been extinct or never in the Institute before were organized and started in good shape. Hockey has been reorganized again, and a fast team has been put on the ice. Basketball, Boxing, Fencing, Gym, and Soccer have been started up. These sports are all new at Technology, but they are becoming more and more known, and popular to the Student Body. Unfortunately, due to the large amount of work done by the Undergraduates of the Institute, Varsity Football and Baseball Teams are not put into the field. Nevertheless, Technology may stand very high in an athletic sense by excelling in these other sports.

Technology has always been more or less handicapped by lack of equipment, time, and money. Of these three, lack of time is unavoidable, the work at the Institute must be done; but this is not the case with the other two. Our equipment in general is poor, and athletics are not allowed a great deal of money; but I believe that this difficulty can be overcome by the increasing wealth of the Institute.

It has always been the policy of the Massachusetts Institute of Technology to expand, and this policy should be carried out as regards athletics; and when the time comes that the Institute realizes this, We will stand at the top of athletics in this country.
Wearers of the

Paul Nathaniel Anderson  William Kennedy MacMahon
Prentice Durfee Ash  Oliver Adams Mills
Anthony Anable  Harold James Murray
Henry Converse Allen  Joseph Darwin Nagel Jr.
Herman Broockmann Jr  Clinton Arthur Newton
William Norman Barron  James Brodie Ormon
Oliver Louis Bardes  Grafton Ray Owens
Theodore William Bossert  Henry Carlton Pierce
Garwin Bawden  Fred Luman Raymond
Donald Bidwell Carter  Wingate Rollins
Carl Daniel Dipple  Alfred Hocking Fletcher
Charles George Dandrow  Morris Fahnstock Sheldon
Herbert Reedy Dorr  Charles Wallace Scranton
James Francis Downey Jr  Theodore Parker Spitz
Austin Rogers Frey  Palmer Scott
Clark Doane Greene  Francis Willett Walton
John William Kellar  Irving Harrison Wilson
Advisory Council

Chairman
John Arnold Rockwell '96

Secretary
Allan Winter Rowe '01

Treasurer
Henry Elwynne Worcester '07

Representatives from the Alumni
Carl William Gram '09
Frederick Huston Hunter '02

Student Representatives
Homer Vernon Howes '20
Walter Raymond McKenney '20
Edwin Delamater Ryer '20
ATHLETICS

M. I. T. A. A.

Back Row: McKenney, Rysss, Humphrey, Coffin
Second Row: Addicks, Broockmann, Howes, Geckeler, Guy, Ryr, Greenblatt
Front Row: Greene, Skinner, Bawden, Officer, Coffren, Steffan

President
Rollin Francis Officer '21

Vice-President
Garvin Bawden '21

Secretary
Richmond Hastings Skinner '21

Treasurer
Warren Louis Cofren '20

MEMBERS
Allen Drew Addicks '21
Herman Broockmann '20
Josiah Denton Crosby '21
Philip Tristram Coffin '21
Herbert Reedy Dorr '20
Ralph Charles Geckler '22
Joseph Greenblatt '22
Clark Doane Greene '21
David Wade Guy '22
Homer Vernon Howes '20
Watts Sherman Humphrey '22
Godfrey Grey Kearful '22
Walter Raymond McKenney '20
Daniel Murdock McNeil '21
William Watson Russell '22
Edwin Delamater Ryer '20
Edwin Theodore Steffan '21
Carleton Hart Talcott '21
THE track outlook for 1919 was bright despite the fact that several star men were lost, either by enlistment or graduation. Manager Anderson had arranged an attractive schedule, the regular Spring Interclass Meet being the first on the program, followed by a meet with Harvard at home. The team next took the trip to Dartmouth, and then wound up with the New England Inter-Collegiates and the I. C. A. A. A.

Spring Interclass Meet

The Spring Meet, which is the opening meet of the year, was won by 1921 with a total score of 65 points. The Freshmen and Juniors fought it out for second and third places, the Freshmen winning 41 to 34, the Senior class trailing with 13 points. Rollins ’19 was the highest point winner of the meet, winning the 100-yard dash and the shot put, and placing second in the 220. Bawden ’21 was another star of the meet, winning the half-mile and the quarter.

Harvard Meet

On May 3, Harvard came to Tech Field with a very strong, evenly balanced team. They avenged themselves of last year’s defeat by defeating the Technology team 73-44. The star performance of the day was made by Flower of Harvard, who won the broad jump with a leap of 23 feet, 3 inches. In the quarter, Bawden was hard pressed by his team mates, Downey and Ormon, who finished in the order named. Dandrow broke his own record in the hammer throw and won first place from Acting Captain Stevens of Harvard.

Dartmouth Meet

The team made the trip to Hanover on May 10, to meet the strong Dartmouth team. The Dartmouth team was too strong for Technology, defeating us 85-41. The team was unfortunate in losing four of its star men. Bawden was unable to
run in the quarter and half because of a bad ankle. Dandrow, Nagel, and Poole also remained in Cambridge, due to unavoidable circumstances. Captain Murray of Dartmouth and Downey of Technology had a sensational race in the quarter-mile, the result being a tie. Murray of the Technology team sprang a surprise by defeating Bolles of Dartmouth. Rollins was again the highest point winner of the meet, winning the 100 and placing second in the 220 and shot put. Weld of Dartmouth closely followed him with first in the hammer throw and discus. The meet was run off on a wet track with very adverse weather conditions, and the times were very good considering this.
TECHNIQUE 1921

1919 Track Team

![1919 Track Team](image)

<table>
<thead>
<tr>
<th>HENRY C. PIERCE</th>
<th>Captains</th>
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<tbody>
<tr>
<td>PAUL N. ANDERSON</td>
<td>Manager</td>
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**PERSONNEL**

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<thead>
<tr>
<th>Anthony Asarle (T)</th>
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<tbody>
<tr>
<td>Henry C. Allen (T)</td>
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<td>Prentice D. Arm (T)</td>
<td>High Jump</td>
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<td>Garvin Bawden (T)</td>
<td>Quarter-and-Half-Mile</td>
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<td>George F. Bell</td>
<td>Discus Throw</td>
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<tr>
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<td>Hurdle</td>
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<tr>
<td>Donald B. Carter (T)</td>
<td>Pole Vault</td>
</tr>
<tr>
<td>Carl D. Deppe (T)</td>
<td>Broad Jump</td>
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<tr>
<td>Charles G. Davidsow (T)</td>
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<td>Quarter-Mile</td>
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<td>Alfred H. Fletcher (T)</td>
<td>Pole Vault</td>
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<tr>
<td>Austin R. Fley (T)</td>
<td>High Jump</td>
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<tr>
<td>James Hayes (a(TA))</td>
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<td>Henry P. Jones (a(TA))</td>
<td>Sprint Race and Broad Jump</td>
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<tr>
<td>Oliver A. Mills (T)</td>
<td>Hurdles</td>
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<td>Harold J. Murray (T)</td>
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<td>Clinton A. Newton (T)</td>
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<td>James B. Odom (T)</td>
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<td>Edwin J. Purcell (a(TA))</td>
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<td>Wingate Rollins (T)</td>
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<td>Alfredo de Echavira (a(TA))</td>
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# Athletics

## Harvard vs. Technology

Tech Field, Cambridge

May 3, 1919

<table>
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<th>Winner</th>
<th>Second</th>
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<td>Gourdin (H)</td>
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<td>3</td>
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<td>Dungan (H)</td>
<td>Douglas (H)</td>
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<td>5</td>
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<td>Lucas (H)</td>
<td>Stone (T)</td>
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<td>1</td>
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<tr>
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<td>Nally (H)</td>
<td>Murray (T)</td>
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<td>Church (H)</td>
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<td>Stevens (H)</td>
<td>Raymond (T)</td>
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Moore of Harvard winning the 220-yard dash.

197
**DARTMOUTH vs. TECHNOLOGY**

Hanover

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May 10, 1919

Scantont in the Low Hurdles
Technology won the thirty-third annual New England Inter-Collegiates for the third successive time, and won the first leg on the Briggs trophy donated by Major Briggs to the team winning the New England Inter-Collegiates the greatest number of times in eight years. Technology had 37 points, nearly twice as many as the nearest competitor, Wesleyan, with 19½ points. Brown was a close third with 19 points, followed by New Hampshire State with 17½ points. The remaining teams totalled 61 points.

In the track events Rollins won the 100-yard dash, but was beaten by
Mullane of Brown in the 220-yard dash, Spitz '21 placing third in this event. The quarter-mile was run in heats, and the task proved too much for Downey, for after winning his heat he was unable to place in the finals. Ormon placed fourth for Technology, Driscoll of Boston College winning the race. Bawden's absence was felt in the half as it was in the quarter, for in all probability he would have won the half and placed in the quarter. Bordes placed fourth in the half-mile. Technology's weakness in the mile and two-mile was felt, as we secured no points in either event. Scranton placed third in the high hurdles. The race was one of the most hotly fought of any. All four that placed were within a couple of yards of one another.

In the field events we did very well in contrast to last year's results. Unfortunately Dandrow fouled in all his attempts in the hammer throw. Previous to this he had been throwing some 15 feet farther than the winner's throw. Raymond placed second in this event. We placed no men in the shot put or discus throw whereas we won both first and second place in the discus last year. The high jump was very much Technology's way, for we got nine of the eleven points. Allen won the event, and Frey and Ash tied for second place. In the pole vault, Nagel and Walton tied for first place, while Fletcher and Carter figured in a tie for second place with four other men.

Taking it as a whole the meet was a great success. It was less of a walk-away than last year, and all the events were closely contested. In all Technology scored two first places, tied twice for first, two second places, tied four times for second, three thirds, and two fourths.
## ATHLETICS

N.E.I.C.A.A. MEET

Tech Field, Cambridge  
May 24, 1919

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Officers of N. E. I. C. A. A.

President
Paul N. Anderson, M. I. T.

Vice-President
John Coe, Jr., Williams

Secretary
Lewis W. Brown, Bowdoin

Treasurer
T. A. Black, Jr., Brown

Advisory Committee
F. H. Briggs, M. I. T.
J. E. Hinckly, Brown
W. P. Towner, University of Maine

Executive Committee
Paul N. Anderson, M. I. T.
John Coe, Jr., Williams
Lewis W. Brown, Bowdoin
T. A. Black, Brown
Raymond Lucier, Holy Cross
J. F. Bickford, Tufts
H. D. Barber, Trinity

MEMBERS OF THE ASSOCIATION

*Amherst College
Bates College
*Boston College
*Bowdoin College
*Brown University
Colby College
*Holy Cross
*Middlebury College
*Mass. Agricultural College

*Mass. Inst. of Tech.
*New Hampshire State
*Tufts College
Trinity College
*University of Maine
University of Vermont
*Wesleyan University
*Williams College

* Competed in 1919.
I. C. A. A. A. A. Technology entered several men in the I. C. A. A. A. A. Meet, which was held at the Harvard Stadium: three men qualified for the finals, Dandrow in the hammer throw, Rollins in the 100-yard dash, and Allen in the high-jump. On Saturday, the day of the finals, we placed two men (Dandrow was second in the hammer throw, and Rollins fifth in the 100-yard dash), giving us a total of five points.

Manager Anderson took charge of the team after Manager Drew went into the service, and the position was well looked after. Manager Anderson is on the Executive Committee of the I. C. A. A. A. and besides this, is also president of the N. E. I. C. A. A. The prospects for next year's team seem to be very good, for, now that the war is over, many of Technology's old stars will be returning; besides this the enrolment has increased very appreciably, and a good deal of material should be found from incoming classes. A very attractive schedule is being arranged for next season by Manager Anderson.

PAST WINNERS OF THE N. E. I. C. A. A. MEET

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*Dartmouth withdrew from N. E. I. C. A. A. in 1916.
## RECORDS

### COMPARATIVE TRACK RECORDS

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<td>Georgetown</td>
<td>Holy Cross</td>
<td>1909</td>
</tr>
<tr>
<td></td>
<td>R. C. Craig</td>
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<tr>
<td></td>
<td>Michigan</td>
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</tr>
<tr>
<td></td>
<td>D. F. Lippincott</td>
<td></td>
<td></td>
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<td></td>
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<td>J. D. Lester</td>
<td>T. H. Guething</td>
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<td>P. D. White</td>
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<td>Cornell</td>
<td>Brown</td>
<td>1911</td>
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<tr>
<td>One Mile</td>
<td>J. P. Jones</td>
<td>N. S. Taber</td>
<td>R. G. Brown</td>
</tr>
<tr>
<td></td>
<td>Cornell</td>
<td>Brown</td>
<td>1915</td>
</tr>
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<td>I. Dresner</td>
<td>R. W. Atwater</td>
<td>F. L. Cook</td>
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<td></td>
<td>Cornell</td>
<td>Tulia</td>
<td>1915</td>
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<td>120-Yard</td>
<td>F. S. Murray</td>
<td>A. B. Shaw</td>
<td>E. L. Orington</td>
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<td>Leeland Stanford</td>
<td>Dartmouth</td>
<td>1904</td>
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<td>220-Yard</td>
<td>A. C. Kramziel</td>
<td>W. A. Savage</td>
<td>G. P. Burch</td>
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<td>Wesleyan</td>
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<td>L. A. Whitney</td>
<td>F. H. Leslie</td>
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<td></td>
<td>Columbia</td>
<td>Dartmouth</td>
<td>1914</td>
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<td>H. P. Bailey</td>
<td>C. G. Dandrow</td>
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<td>1919</td>
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<td>O. V. Chamberlin</td>
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<td>1911</td>
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<td></td>
<td></td>
<td>135' 5 9-10&quot;</td>
<td>121' 1&quot;</td>
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<tr>
<td>High Jump</td>
<td>W. M. Oler</td>
<td>P. W. Dalrymple</td>
<td>C. D. Heywood</td>
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<td></td>
<td>Yale</td>
<td>Technology</td>
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<td>H. B. Enright</td>
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<td>Broad Jump</td>
<td>A. C. Kramziel</td>
<td>H. T. Worthington</td>
<td>C. S. Reed</td>
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<td>Dartmouth</td>
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<td></td>
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<td>Pole Vault</td>
<td>R. A. Gardner</td>
<td>M. S. Wright</td>
<td>J. D. Nagel</td>
</tr>
<tr>
<td></td>
<td>Yale</td>
<td>Dartmouth</td>
<td>1919</td>
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<tr>
<td></td>
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<td>12' 90&quot;</td>
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</table>
Start of the half-mile in N.E.I.C.A.A. Meet

Bawden winning the 440-yard dash

Allen in the High Jump
THE 1919 cross-country season really started before the school year,
as Coach Kanaly had his charges working out previous to the opening
of the Institute. The team lost no men by graduation and was
fortunate enough to have MacMahon '21, a star of two years ago, return.

The usual preliminary runs and the Wakefield handicap meet were
held early in the season. Stone '21 won the Wakefield handicap race with
the fastest actual time, and he was closely followed by Murray '20; but
unfortunately MacMahon '21 and Flanders '22 with several others lost
their course and were disqualified. The times were fairly fast in this
meet and gave promise of good results as the season went on.

The first intercollegiate meet was held at Syracuse on October 25, where
the Technology team acquitted itself very well, placing third; a duel meet
with New Hampshire State followed on November 1, when the Technology
team lost in a close meet 23–32. The New England Inter-Collegiates fol-
lowed this, in which Technology placed fourth. The next week, in the
I. C. A. A. A., Technology only placed eighth, but MacMahon placed
second to Simmons of Syracuse after putting up a good fight all the way.
The freshmen had three meets, being defeated by Harvard in a dual meet
and placing second in a meet with Yale and Dartmouth, and in their last
meet they defeated Dartmouth 23–32. We should have an excellent team
ANNUAL HANDICAP CROSS-COUNTRY RUN

Wakefield Course

Distance 7½ Miles

October 18, 1919

<table>
<thead>
<tr>
<th>Order of Finish</th>
<th>Finish by Actual Times</th>
<th>Actual Times</th>
</tr>
</thead>
<tbody>
<tr>
<td>C. L. Stone '21</td>
<td>C. L. Stone '21</td>
<td>45 min. 47 sec.</td>
</tr>
<tr>
<td>M. J. Jemey '21</td>
<td>H. J. Murray '20</td>
<td>46 min. 41 sec.</td>
</tr>
<tr>
<td>P. M. Allen '22</td>
<td>D. F. Carpenter '22</td>
<td>47 min. 10 sec.</td>
</tr>
<tr>
<td>D. F. Carpenter '22</td>
<td>G. R. Owens '20</td>
<td>47 min. 18 sec.</td>
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<tr>
<td>H. S. Murray '20</td>
<td>H. R. Derr '20</td>
<td>47 min. 26 sec.</td>
</tr>
<tr>
<td>G. R. Owens '20</td>
<td>P. H. Dyke '20</td>
<td>48 min. 15 sec.</td>
</tr>
<tr>
<td>T. H. Gill '22</td>
<td>T. H. Gill '22</td>
<td>48 min. 30 sec.</td>
</tr>
<tr>
<td>F. H. Dyke '20</td>
<td>M. R. Jenney '21</td>
<td>48 min. 31 sec.</td>
</tr>
<tr>
<td>H. R. Derr '20</td>
<td>P. M. Allen '22</td>
<td>49 min. 07 sec.</td>
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<tr>
<td>A. W. Miller '20</td>
<td>A. W. Miller '20</td>
<td>51 min. 36 sec.</td>
</tr>
</tbody>
</table>

First Prize won by C. L. Stone '21.
Second Prize won by C. L. Stone '21.
Record for the Wakefield Course, 41 min. 36 sec. Held by A. F. Nye '14.

next year, for the Varsity loses only one man by graduation and some of the Freshmen showed great promise of developing into Varsity material.

Syracuse Meet On October 25 the Syracuse invitation cross-country run was held. In all, eleven colleges were represented. Technology did exceedingly well in this contest, placing third to the Princeton and Syracuse teams, and defeating such teams as Harvard, Yale, Cornell, and Pennsylvania. The Syracuse course was a hard four-mile run, the steep hill bothering the runners most of all, but in spite of this the team did very
SYRACUSE INVITATION MEET
October 25, 1919
Distance, 4½ miles
Time, 24 minutes, 50¾ seconds

<table>
<thead>
<tr>
<th>Team</th>
<th>Points</th>
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<tbody>
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<td>Princeton</td>
<td>8</td>
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<tr>
<td>Syracuse</td>
<td>10</td>
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<tr>
<td>Technology</td>
<td>16</td>
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<tr>
<td>Yale</td>
<td>26</td>
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<tr>
<td>Pennsylvania</td>
<td>40</td>
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<tr>
<td>Cornell</td>
<td>24</td>
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<td>Harvard</td>
<td>29</td>
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<tr>
<td>Williams</td>
<td>33</td>
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<tr>
<td>Columbia</td>
<td>38</td>
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<tr>
<td>Colgate</td>
<td>44</td>
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<tr>
<td>Dartmouth</td>
<td>49</td>
</tr>
</tbody>
</table>

Summary of Points

1. Simmons, Syracuse
2. Watson, Syracuse
3. Rogers, Princeton
4. McDermott, Cornell
5. Campbell, Cornell

Scoring Technology Team

1. W. K. MacAlmon '21
2. D. F. Carpenter '22
3. E. J. Purell '22

Individual Winners

1. Nightingale of New Hampshire State
2. MacAlmon, Technology
3. Stone, Technology
4. Weston, N.H. State

New Hampshire State vs. Technology
November 1, 1919
Distance, 5 Miles
Time, 31 minutes, 53 seconds

<table>
<thead>
<tr>
<th>Team</th>
<th>Score</th>
</tr>
</thead>
<tbody>
<tr>
<td>New Hampshire</td>
<td>1</td>
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<tr>
<td>Technology</td>
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</tbody>
</table>

Team Scores

Individual Winners

1. Nightingale, N.H. State
2. MacAlmon, Technology
3. Stone, Technology
4. Weston, N.H. State
5. Billingham, N.H. State

Scoring Technology Team

1. W. K. MacAlmon '21
2. A. L. Flanders '22
3. C. L. Stone '21
4. H. R. Dorr '20
5. E. J. Purell '22

well. The men were more or less bunched at the finish, MacAlmon placing seventh, followed by Stone, who placed sixteenth.

New Hampshire State Meet

The dual cross-country meet with New Hampshire State, which was held on November 1 at Franklin Park, proved disappointing to the Technology harriers, New Hampshire State winning 23–32. Nightingale of New Hampshire State led from the start and finished about one hundred yards ahead of MacAlmon '21.
N.E.I.C.A.A. MEET

Franklin Park Course
Distance, 5 Miles

Summary of Points

<table>
<thead>
<tr>
<th>Team</th>
<th>1</th>
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<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
<th>7</th>
<th>8</th>
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<tr>
<td>Williams</td>
<td>3</td>
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<td>16</td>
<td>17</td>
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<td>Holy Cross</td>
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</tr>
</tbody>
</table>

Time, 30 minutes, 14½ seconds

Individual Winners
1. Nightingale, N.H. State
2. Leith, N.H. State
3. MacMahon, Technology
4. Brown, Williams
5. Crofts

Scoring Technology Team
3. W. K. MacMahon '21
21. C. L. Stone '21
15. H. R. Dorr '20
22. D. F. Carpenter '22
24. A. L. Flanders '22

New England Inter-Collegiates

The New England Inter-Collegiates were held at Franklin Park on November 22, Technology placing fourth in this meet. This was rather a disappointment, for the team was thought to have a good chance of winning the meet. MacMahon starred for Technology, placing third and nosing out Brown of Williams in the last yard.
COACH KANALY had hoped this year to have an indoor track to run on; and the hangars left by the Naval Aviators had been seriously considered. However, unfortunately this plan did not seem feasible, as the Bursar had some other use for the hangars, and so the old board track was put up behind the Track House. This track is a 150 yard track and one of the fastest of its kind in this part of New England.

The men started training for the indoor season shortly after Field Day and the outlook was very promising, for there were a great number of old men back and so the competition for the teams was very keen. Coach Kanaly selected Spitz ’21, Junod ’21, Bardes ’21, and Bawden ’21 for the 390 Relay Team; while Gill ’22, Gurney ’22, Stone ’21, and Hennessy ’21 were chosen for the 780 Team.

The Boston Athletic Association games saw the wearers of the Cardinal and the Gray in action for the first time. The Dartmouth quartet administered defeat to the Technology long distance team; but the 390 team defeated Harvard, and in so doing the result of the B. A. A. meet was very satisfactory to Technology.

Spitz, Technology’s lead-off man, ran a pretty race against Chute of Harvard. The two men raced around almost together for two laps, and then Spitz showed his superior strength and forged ahead and passed the baton to Junod, Technology’s second man, with two yards to spare. From then on, the race was never in doubt, as each succeeding Technology runner gained on his Harvard opponent; and Bardes, running last for Technology, had about 15 yards advantage over Wharton, running for Harvard. The time was 3 minutes 14½ seconds. This was the third fastest time of the evening. The Freshman did not fare as well against the Harvard Freshman, for they were beaten. The race was a very pretty one to watch, as it was not evident at any time which team would win.

Technology had a team entered in the Millrose games at New York, but unfortunately the night before the race it was found that Spitz was unable to take the trip, and Junod was ill. Poole, one of the substitutes, was also ill, and so it was decided to call off the trip. This was a big disappointment, for after the fine showing Technology made against Harvard it was expected that they would finish well up in the ranks at New York.

The Pennsylvania Relay Carnival, which is to be held in Philadelphia the latter part of April or the first part of May, will have some keen competition for the one mile Intercollegiate Championship of America. Technology hopes to send her four fastest men down there and bring back a championship.
One- and Two-Mile Relay Teams

Spitz  Junod  Baudes  Bawden

Stevens  Hennessey  Stone  Gill
TECHNOLOGY had hopes of a new swimming-pool adjoining Walker Memorial, but the Endowment Campaign drive more or less put a stop to the raising of funds for a pool. However, a new pool is a thing that Technology needs, because we have a swimming team that is on a firm foundation of high intercollegiate standing. A pool would attract greater numbers to the swimming squad, and would make swimming conditions better in every way. The Technology team, which had only been defeated once in four years, and then by Yale University, the Intercollegiate Champions, had one of the biggest schedules in the history of the Institute. The first two meets on the schedule, those with Brown and Pennsylvania, had to be respectively postponed and cancelled due to the suspension of Institute activities because of the death of President Maclaurin. The meet scheduled with Amherst for February 6 was also cancelled because the team was unable to go to Northampton, due to the heavy snowfall which blocked railway traffic. The arrangement of this schedule was all due to Manager McKay '21; and McKay has run the entire swimming team in a most efficient manner. He has been asked to take charge of the N. E. I. C. A. A. swimming meet to be held in Boston on March 13. McKay was unfortunately compelled to resign as Manager of Swimming because of his outside duties, but his place is being ably filled by Geckler '22.

Ex-Manager McKay
Captain Greene
Manager Geckler
Swimming Team

Top Row: Powers, Asst. Mr., Barker, Reinhardt, Trowbridge, Kendall, Stalbird, Bard, Skinner, Ferdinand, Richardson, Asst. Mr.
Front Row: Geckler, Mr., Thimme, McGrath, Biddell, Greene, Capt., Young, Colton, McKay, Ex-Mgr. Weber

Captain
Clark Doane Greene '21

Manager
Ralph Charles Geckler '22

Assistant Managers
Richard M. Homberg '23
Thomas L. Powers '23
Philip Richardson '23

Team
Richards J. Bard '22
Robert W. Barker '21
Sidney M. Biddell '22
Leonard P. Botting '21
Henry S. Colton '21
Ralph E. Ferdinand '21
Clark D. Greene '21
Jackson W. Kendall '21
Leigh J. McGrath '22
Willard B. Purinton '22
Everett Allan Reinhardt '22
Preston Robinson '22
Roscoe E. Sherbrook '22
Richmond H. Skinner '21
Edward P. Soule '22
James A. Stalbird '22
Edmund J. Thimme '22
Otis H. Trowbridge '22
Bertram A. Weber '22
William H. Young '21

Alexander Sutherland, Coach

213
The Yale meet was unfortunate from the standpoint of the Technology swimmers, for the strong Yale team defeated them by the score of 39-11. In the opening event of the meet, the relay race, the Yale team led the Technology swimmers to the finish, but the first Yale swimmer fouled by not touching the end of the tank. Because of this, the race was called off; ordinarily the team fouling is disqualified, but under the circumstances (Yale winning by quite a margin), the judges decided that the only fair way was to race over again. Yale then won the race by default. The feature of the meet was the plunging of Meagher of Yale, who broke the tank record by plunging 73 1/2 feet in 60 seconds. Biddell '22 placed second in the 220 yard swim and third in the 100 yard race, while Captain Greene '21 closely followed him in the 220 yard swim. Technology gathered her remaining points in third places. The Freshman Relay Team was victorious in an exhibition race with the Boston Chapter of the American Red Cross.

**Varsity Relay Team**

Coxon  McGrath  Biddell  Young
Springfield Y. M. C. A. Meet

The opening meet of the year was held at Springfield against the Y. M. C. A. team on January 31. The result was an easy victory for the Technology swimmers, the score being 36-17. Technology capturing 5 first, 2 second, and 2 third places. Captain Greene '21 won the 220 yard swim with ease and placed second to his team-mate Weber '22 in the 100 yard race. The Relay Team, consisting of McGrath '22, Young '21, Colton '22, and Greene '21, defeated the Y. M. C. A. quartet with ease. Colton '22 won the 40 yard, while Stalbird '22 plunged the 60-foot tank in 49 seconds, winning the event. Ferdinand '21 placed third in the fancy dive.

Wesleyan Meet

The team took the trip to Middletown and met the Wesleyan on Saturday, February 7, defeating them 30-20. Technology showed good all-around form and placed in all events. Williams of Wesleyan showed the way to the Technology swimmers in the 40 yard and 100 yard swims. Purinton '22 won the fancy dive, and Captain Greene '21 won the 220 yard swim. Stalbird '22 plunged the length of the tank (60 feet) in the fast time of 39 seconds, easily winning the event; the Relay Team also won their race. The team was scheduled to meet Amherst at Northampton just before the Wesleyan meet, but weather conditions prevented this.
Brown Meet

The team met defeat at the hands of Brown in Providence on February 18. The Brown swimmers won the meet 28 to 25, the score being 25 to 20 in favor of Technology until the last event, the relay, which the Brown swimmers took from the Technology swimmers. This and the fancy dive were the only first places that Brown won, for Technology took first in the other four events. Biddell '22 was the individual star, winning both the 100 and 220 yard swims. Captain Greene '21 also won the furlong in the fast time of 2 minutes, 42½ seconds, while Stalbird '22 won the plunge with a distance of 65 feet. The strong Freshman Relay Team were again victorious over their opponents, the Moses Brown School of Providence.

Schedule of Meets

<table>
<thead>
<tr>
<th>Date</th>
<th>Opponent</th>
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<tbody>
<tr>
<td>January 24, 1920</td>
<td>Technology vs. Pennsylvania, Canceled</td>
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<tr>
<td>January 31, 1920</td>
<td>Technology vs. Springfield Y.M.C.A. 17</td>
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<tr>
<td>February 6, 1920</td>
<td>Technology vs. Amherst, Cancelled</td>
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<tr>
<td>February 7, 1920</td>
<td>Technology vs. Wesleyan 20</td>
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<td>February 14, 1920</td>
<td>Technology vs. Yale 39</td>
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<tr>
<td>February 20, 1920</td>
<td>Technology vs. Brown 28</td>
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<td>February 23, 1920</td>
<td>Technology vs. Harvard 24</td>
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<td>February 28, 1920</td>
<td>Technology vs. U.S. Naval Academy, 36</td>
</tr>
<tr>
<td>March 13, 1920</td>
<td>New England Inter-Collegiates —</td>
</tr>
</tbody>
</table>
THE Tennis season started early in the year with the defeat by Harvard, Captain Broockmann winning the only match for Technology. Amherst then defeated the team in a close contest, four matches to two. In May, however, the New England Inter-Collegiates were held and Technology was very well represented there. In the singles, Captain Broockmann and Barron reached the finals, Captain Broockmann defeating his team-mate Barron in straight sets. In the doubles, Broockmann and Barron reached the finals giving Technology two points out of the possible three points, thereby winning the Inter-Collegiates for her. The team then met Tufts, defeating them easily 6-0. The trip to Dartmouth was not so successful, Technology losing 4-2. In the final match of the season, Worcester Polytechnic Institute was defeated 6-0, closing what may well be called a highly successful tennis year.

The Freshman tennis team had a very successful year indeed, winning all of their six matches, but one. Elliot of the Freshman team won the annual tournament, which was held in the spring of the year. The team after losing to the Harvard second team won five successive matches by defeating Andover, Milton, Harvard freshman, Tufts freshman, and Exeter.
Varsity Tennis Team

Herman Broockmann '20 ............ Captain
Laurence Elbridge Boyden '20 .... Manager

Team
Herman Broockmann '20
William N. Barron '20
William McWane '21
Thomas H. West, 3d, '21

Schedule of Matches

<table>
<thead>
<tr>
<th>M. I. T.</th>
<th>Opponents</th>
</tr>
</thead>
<tbody>
<tr>
<td>Harvard</td>
<td>1</td>
</tr>
<tr>
<td>Amherst</td>
<td>2</td>
</tr>
<tr>
<td>Dartmouth</td>
<td>2</td>
</tr>
<tr>
<td>Tufts</td>
<td>6</td>
</tr>
<tr>
<td>W. P. I.</td>
<td>6</td>
</tr>
</tbody>
</table>

N. E. Inter-Collegiates won by M. I. T. with 2 points.
Freshman Team

William Albertus Cauldwell
Joseph Greenblatt

Team
William A. Cauldwell
Josiah R. Elliott, Jr.
Hamilton Beattie
William R. B. Scott
Sidney M. Biddell

Schedule of Matches

<table>
<thead>
<tr>
<th>1922</th>
<th>Opponents</th>
</tr>
</thead>
<tbody>
<tr>
<td>Harvard 2d</td>
<td>1</td>
</tr>
<tr>
<td>Andover</td>
<td>4</td>
</tr>
<tr>
<td>Milton</td>
<td>3</td>
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<tr>
<td>Harvard '22</td>
<td>3</td>
</tr>
<tr>
<td>Tufts '22</td>
<td>7</td>
</tr>
<tr>
<td>Exeter</td>
<td>4</td>
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</table>

219
WRESTLING
1920 Wrestling Season

WRESTLING is a sport that has been very progressive at Technology. Although working under the disadvantages of inadequate conditions and lack of funds, the team has proved itself to be of high calibre.

One of the best schedules in years has been arranged by Manager Coffin and Assistant Manager Bainbridge, and they deserve a great deal of credit. The team is led this year by Captain Russell, an old Andover man. Since practically the whole team was back from last year, with a few additions they present a very formidable array. Technology has been very successful in all her early season games, one of the greatest features being the defeat of Yale in their own gymnasium. The Yale Wrestling Team has been undefeated for seven years, and it is a great honor to the Technology Wrestling Team to break this record. From the early season meets, the team shows great promise of winning the N. E. I. C. A. A. Wrestling Meet at Springfield.

The team met Brown in the Walker Memorial on Friday, January 9, and won by the close score of 17–8. Captain Russell '22 was thrown by Shurtleff of Brown in the 175-pound class, but he retaliated and threw his man in the heavyweight class. The team then defeated the Cambridge Y. M. C. A. in a practice meet 15–3.

The trip to New Haven and Brooklyn was the feature of the year, the team defeating Yale 10–8 and easily beating Brooklyn Polytechnic Institute 16–1. At Yale the Technology team obtained two falls and two decisions, Captain Russell '22, 175-pound class, and Humphreys '22, heavyweight, threw their respective men; while Smoley '20, 115-pound class, and Butler '21, 145-pound class, gained decisions over their opponents, thus giving the meet to Technology. The team was very fortunate in securing the services of Bridge Greene, the 145-pound champion of New England, and the outlook seems very bright for the remaining meets of the season.

Manager Coffin

Captain Russell
Wrestling Team

**Captains**
- William W. Russell '22

**Manager**
- Philip T. Coffin '21

**Team**
- Tom H. Barnard '22
- David M. McFarland '18
- Julius Gordon '21
- George H. Buttler, Jr. '22
- Harry Rosenfield '21
- William W. Russell '22
- Watts S. Humphrey '22

**Substitutes**
- Nicholas G. Smoley '20

**Schedule**

<table>
<thead>
<tr>
<th>Month</th>
<th>Opponent</th>
<th>Score</th>
</tr>
</thead>
<tbody>
<tr>
<td>January 9</td>
<td>Brown</td>
<td>8</td>
</tr>
<tr>
<td>February 7</td>
<td>Cambridge Y. M. C. A.</td>
<td>3</td>
</tr>
<tr>
<td>February 13</td>
<td>Yale</td>
<td>8</td>
</tr>
<tr>
<td>February 14</td>
<td>Brooklyn Polytechnic</td>
<td>1</td>
</tr>
<tr>
<td>February 21</td>
<td>Tufts</td>
<td>3</td>
</tr>
<tr>
<td>February 24</td>
<td>Harvard</td>
<td></td>
</tr>
<tr>
<td>March 6</td>
<td>Dartmouth in Walker Gym</td>
<td></td>
</tr>
<tr>
<td>March 12</td>
<td>Tufts at Melrose</td>
<td></td>
</tr>
<tr>
<td>March 19–20</td>
<td>N. E. I. C. A. A. at Springfield</td>
<td></td>
</tr>
</tbody>
</table>

**Weights**
- 115-Pound Class
- 125-Pound Class
- 135-Pound Class
- 145-Pound Class
- 158-Pound Class
- 175-Pound Class
- Unlimited-Weight Class

Won by Forfeit
CREW
1919 Crew Season

CREW is a coming sport at Technology and all efforts are being made to have it properly recognized. The Crew race in May was the first one to count in the points of Field Day; and although the Freshmen lost this race, they were highly successful throughout the rest of the season. They were only defeated by the strong Harvard '22 Crew, and were successful in winning their other four races.

The officials in charge of rowing are E. T. Steffian '21, General Manager, G. P. Anderson '22, Assistant General Manager, E. W. Villett '22, 1922 Manager. Steffian arranged an attractive program for the Crews and obtained the services of Mr. Manning as Coach. Mr. Manning is considered one of the best coaches in New England. It is hoped by the Technology Rowing Association that a Varsity Crew may be put on the river; however, nothing definite has been decided concerning this. There is great enthusiasm shown for the Crew, and a large number of men turn out yearly for the Crews; in numbers Crew is second only to Track.

The Crew season opened with a defeat by the Harvard '22 Crew on May 10, the Crew then met Stone School on May 19 and defeated them quite easily with 3 lengths to spare. Middlesex and Tufts Varsity then fell victims to the prowess of the Crew; and in the last race of the year the Crew entered the Harvard Regatta for junior eights and defeated the Noble & Greenough School and Tufts. Each member of the Crew was awarded a medal.

It has been decided by the Advisory Council on Athletics that, due to the increasing prominence of the Crew, a “T” with crossed oars shall be awarded each year to the General Manager. This in itself shows the expansion of the Crew; and Crew needs the backing of all the Institute in order to expand. A new boat-house and equipment are badly needed, and the Crew has also need of shells and a bigger place for winter practice. The outlook for a good Crew next year is very bright, for there are many men in the Institute at present who are interested in rowing, and from these men some very good material may be obtained.
ATHLETICS

Out for a spin on the river

Lowering the shell

Schedule

<table>
<thead>
<tr>
<th>May 10</th>
<th>Technology '22 vs. Harvard '22</th>
</tr>
</thead>
<tbody>
<tr>
<td>May 19</td>
<td>Technology '22 vs. Stone</td>
</tr>
<tr>
<td>May 21</td>
<td>Technology '22 vs. Middlesex</td>
</tr>
<tr>
<td>May 22</td>
<td>Technology '22 vs. Tufts</td>
</tr>
<tr>
<td>May 23</td>
<td>Harvard Regatta</td>
</tr>
</tbody>
</table>

Winner

| Harvard '22 |
| Technology '22 |
| Technology '22 |
| Technology '22 |
| Technology '22 |

Nip and tuck between the two crews
GYM
1920 Gym Season

GYM is a sport that went out of existence at the Institute some time ago; it was reorganized again this year mainly through the efforts of Humphrey '22, an old Princeton star. The Institute saw the need of equipment and Walker Memorial was fitted out with a complete set of apparatus. The first call for the team brought forth a large number of candidates, some of whom had had a great deal of previous experience. Humphrey '22 was elected Captain and Ramsey '22 was appointed Manager by the M. I. T. A. A. Ramsey '22 was compelled to resign because of his departure from the Institute, his place being filled by Wade '22. The Gym Team was recognized by the M. I. T. A. A. and was given a place on the Athletic Association. Manager Ramsey made the trip to Princeton, where the Intercollegiate Meeting was held; at this meeting Technology was invited to become a member of the Association. Dr. David Montgomery was engaged to act as Coach for the coming year.

The team is composed of many stars from other colleges and has all the makings of a championship outfit. Captain Humphrey was a star on the Rings while at Princeton, being a varsity man there. Pew '23 is an exceptionally good man; while at Annapolis he won the Intercollegiate Indian Club Championship, and also carried away first honors on the Horse. McKinstry '21 was captain of the Haverford Gym Team, and is a consistent performer on the Parallel Bars. Simpson '23 was a member of the Yale Freshman Gym Team, while Bowers '22 was a member of the Dartmouth Freshman Team. Wood '22 and Davidson '22, who perform in the Tumbling, are from Exeter and Hill School respectively. The team has a good schedule and seems to have all the prospects of a highly successful season.
ATHLETICS

Gym Team

Top Row: Perry, Phillips, Thompson
Middle Row: Guy, Mer, Folsom, Whipple, Felzenthal, Bailey, Simpson, Dr. Montgomery, Coach
Front Row: Wood, Davidson, Pew, Humphrey, Capt. McKinstry, Bower, Schoenherr

Captain
Watts S. Humphrey '22

Team
Horizontal Bar
Wayland S. Bailey '22
Paul M. Phillips 'G
Ernest K. Schoenherr '22

Swaying Rings
Watts S. Humphrey '22
John S. Raftery '22
Jack V. H. Whipple '21

Claw Swaying
James A. Bowers '22
Arthur E. Pew, Jr. '23

Manager
David W. Guy '22

Parallel Bars
Hugh E. McKinstry '21
William S. Simpson '23

Side Horse
Harold C. Bower '20
Arthur E. Pew, Jr. '21

Tumbling
Robert Davidson '23
Ralph W. Wood '22

Schedule
February 12 Boston Y. M. C. A. Exhibition Meet
February 21 Annapolis at Annapolis
March 8 Princeton and Harvard in Walker Gym
March 12 Dartmouth in Walker Gym

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HOCKEY

1920 Hockey Season

HOCKEY was reorganized this year for the first time since 1917. Its organization was entirely due to R. F. Officer '21, who worked upon the matter and got hockey recognized by the Advisory Council. An attractive schedule was arranged, and the services of Mr. Charles Foote were obtained as Coach. Due to the building of the new Pavilion, Technology has had better opportunities for practice, although conditions are not yet as good as they might be. The team had several men back, including Ex-Captain Cochrane of the 1917 Technology team. D. M. McNeil '21 was elected captain of the team. McNeil is a very fast, able hockey player and was a well-known player at the Boston Arena before it burned down.

The hockey season opened on January 9 with a game against Tufts at the Pavilion. In this game, Technology showed superior playing and won 4-2. The game scheduled with the Massachusetts Aggies for Friday, January 16, was cancelled because of the suspension of activities at the Institute in memory of President MacLaurin. The team defeated Boston College at Roslindale by the score of 6-4, and three days later, on January 30, Springfield Y. M. C. A. was overwhelmed by the decisive score of 10-2. However, in the next two games, the Technology skaters struck a snag in the form of Harvard and Boston College. Harvard defeated Technology 8-0, the work of Holmes, the Harvard goal, being the feature of the game.

Boston College administered defeat to Technology in a very rough but close game at the Pavilion, by the score of 5-4. The game with the Yankee Division Club resulted in a 7-7 tie, although four extra periods were played; however, the team made the trip to Williamstown on February 14, and defeated the Williams team 3-1.
ATHLETICS

Hockey Team

Captain
Daniel M. McNeil '21

Manager
Rollin F. Officer '21

Team
Howard J. Williams '20
Daniel M. McNeil '21
Clarence Cochrane '20
William A. Cauldwell '22
John N. DuVernet '22
Theodore E. Schwamb '22

Substitutes
Edwin F. Delany '21
Carl E. Thomas '21
Hubert L. Williams '22

Schedule

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<tr>
<th>January</th>
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<th>2</th>
<th>M. I. T.</th>
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<tbody>
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<td>Springfield Y. M. C. A.</td>
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<td>Boston College</td>
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<td>M. I. T.</td>
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<tr>
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<td>M. I. T.</td>
<td>3</td>
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<tr>
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<td>YD Club</td>
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<td>M. I. T.</td>
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</table>
BOXING
Boxing Team

Captain
Allen D. Addicks ’21

Manager
Josiah D. Crosby ’21

Team

<table>
<thead>
<tr>
<th>Name</th>
<th>Class</th>
<th>Weight Class</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tom H. Barnard ’22</td>
<td></td>
<td>115-Pound Class</td>
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<tr>
<td>Allen D. Addicks ’21</td>
<td></td>
<td>125-Pound Class</td>
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<tr>
<td>Frederick C. Paul ’22</td>
<td></td>
<td>135-Pound Class</td>
</tr>
<tr>
<td>Egil Christensen ’22</td>
<td></td>
<td>145-Pound Class</td>
</tr>
<tr>
<td>Frank L. Bradley ’20</td>
<td></td>
<td>155-Pound Class</td>
</tr>
<tr>
<td>Thomas W. Proctor ’21</td>
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<td>175-Pound Class</td>
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Substitutes

<table>
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<tr>
<th>Name</th>
<th>Class</th>
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</thead>
<tbody>
<tr>
<td>Justin R. Curry ’21</td>
<td>115-Pound Class</td>
</tr>
<tr>
<td>Harold R. Ten Eyck ’22</td>
<td>135-Pound Class</td>
</tr>
<tr>
<td>Martin J. Bergen ’22</td>
<td></td>
</tr>
<tr>
<td>Fred C. Koch ’22</td>
<td></td>
</tr>
</tbody>
</table>

Schedule

- March 6: Pennsylvania at Philadelphia
- March 13: Yale at New Haven
- April 2: Springfield Y.M.C.A. in Walker Gym
- April 9: New York Aggies in Walker Gym
- April 23: New York University in Walker Gym
- April 30: Tufts in Walker Gym

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ATHLETICS

SOCCER
Soccer Team

Dirk J. Luykx '22 ............................................ Captain
Harold P. Kurzman '23 ...................................... Manager

Team
Atahualpa Guimaraes '22
Harold P. Kurzman '23
Dirk J. Luykx '22
John L. Luykx '23
Edward D. MacColl '23

John MacColl '22
Fernando de la Macorra '23
Maurice Mason '21
Victor E. Moller '22
Victor Ruiz '21
Philip M. Stearas '23

Schedule
November 11 Soccer Team vs. All-Chinese ........................................ 1 0
November 15 Soccer Team vs. Harvard '21 ........................................ 1 0
November 22 Soccer Team vs. Brockton United .................................. 0 2
November 29 Soccer Team vs. Harvard '23 ........................................ 1 1
December 6 Soccer Team vs. Brockton United .................................... 1 1
# TECHNIQUE 1921

## CLASS MEETS

<table>
<thead>
<tr>
<th>Event</th>
<th>Winner</th>
<th>Second</th>
<th>Third</th>
<th>Fourth</th>
<th>Result</th>
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</thead>
<tbody>
<tr>
<td>100 Yards</td>
<td>Rollins '19</td>
<td>Spitz '21</td>
<td>Downey '21</td>
<td>Hamburger '21</td>
<td>10.6s</td>
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<td>220 Yards</td>
<td>Spitz '21</td>
<td>Rollins '19</td>
<td>Downey '21</td>
<td>Newton '21</td>
<td>22.8s</td>
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<tr>
<td>440 Yards</td>
<td>Rawden '21</td>
<td>Ormon '20</td>
<td>Scott '21</td>
<td>Grover '22</td>
<td>52.8s</td>
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<tr>
<td>880 Yards</td>
<td>Rawden '21</td>
<td>Barides '21</td>
<td>Poul '22</td>
<td>Couch '20</td>
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<td>One Mile</td>
<td>Purcell '22</td>
<td>Stone '21</td>
<td>Roberts '21</td>
<td>Gill '22</td>
<td>4:56s</td>
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<tr>
<td>Two Mile</td>
<td>Dor '20</td>
<td>Murray '20</td>
<td>Houghton '20</td>
<td>Robbins '21</td>
<td>10:45s</td>
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<td>High Hurdles</td>
<td>Brokaw '22</td>
<td>Scranton '21</td>
<td>Lecy '22</td>
<td>Skinner '21</td>
<td>1:73s</td>
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<tr>
<td>Low Hurdles</td>
<td>Scranton '21</td>
<td>Mills '20</td>
<td>Lin '21</td>
<td>Brokaw '22</td>
<td>26.8s</td>
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<tr>
<td>Shot Put</td>
<td>Rollins '19</td>
<td>Ash '20</td>
<td>Scranton '21</td>
<td>Kiley '21</td>
<td>37'10&quot;</td>
</tr>
<tr>
<td>Hammer Throw</td>
<td>Danhrow '20</td>
<td>Raymond '21</td>
<td>Lecy '22</td>
<td>Insley '21</td>
<td>134'6¾&quot;</td>
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<tr>
<td>High Jump</td>
<td>Allen '22</td>
<td>Ash '20</td>
<td>Frease '21</td>
<td>Frey '20</td>
<td>5'10¾&quot;</td>
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<tr>
<td>Pole Vault</td>
<td>Napel '21</td>
<td>Walton '21</td>
<td>Fletcher '21</td>
<td>Conrad '22</td>
<td>12'</td>
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<tr>
<td>Broad Jump</td>
<td>Dippel '22</td>
<td>Clarke '22</td>
<td>Lin '21</td>
<td>Scranton '21</td>
<td>20'6¾&quot;</td>
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<td>Discus Throw</td>
<td>Boli '22</td>
<td>Hay '20</td>
<td>Dyke '20</td>
<td>Downey '21</td>
<td>101'4¾&quot;</td>
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### Team Scores

<table>
<thead>
<tr>
<th></th>
<th>1919—13</th>
<th>1920—34</th>
<th>1921—65</th>
<th>1922—41</th>
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<tbody>
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<td></td>
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</table>

Spitz winning the 220-Yard dash in the Spring Meet.

230
FIELD DAY

THE nineteenth annual Field Day held Friday, November 7, found Technology larger than she had ever been before, and therefore with greater numbers to pick from. The two classes were all prepared for the fray. It was 1922's last chance to have their names inscribed on the Field Day Cup, and they availed themselves of this opportunity by easily defeating the Freshmen.

The teams were coached in general by Juniors and Seniors. 1922 football was coached by Russell '22 and Casey '20. 1923 was coached by H. Gardiner '21. A tug-o'-war found Ryer '20 showing the Sophomores how to pull, while Boley '21 and Crosby '21 did the same for the Freshmen. Mr. Frank Kanaly and Mr. Pat Manning administered the honors of both relay teams and crews respectively.

The order of events and the number of points allotted to each is as follows:

<table>
<thead>
<tr>
<th>Event</th>
<th>Points</th>
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</thead>
<tbody>
<tr>
<td>Crew Race</td>
<td>3</td>
</tr>
<tr>
<td>Relay Race</td>
<td>4</td>
</tr>
<tr>
<td>Tug-o'-War</td>
<td>2</td>
</tr>
<tr>
<td>Football Game</td>
<td>4</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>13</strong></td>
</tr>
</tbody>
</table>

For the second time in the history of Field Day, crew counted in points of the day. The race was rowed over the mile course, starting at Cottage Farm Bridge and finishing in front of the Walker Memorial. The '22 shell took the lead from the start and
passed under Harvard Bridge a full length ahead; from then on the '23 crew put up a game struggle, and they began slowly but surely to pull up and lessen the space between the two boats. However, the stamina of the '22 crew showed itself, and they finished one-third of a length ahead.

The Relay Race From the beginning the relay race seemed to be a foregone conclusion. The Sophomores led and increased this lead until they were ahead by about 40 yards at the finish. Laird started off passing the baton to Christensen with 3 yards to spare. Holden of the Freshmen practically evened this up, but Chittick, who was running fifth for '22, opened up the first big gap of about 10 yards and after this the Sophomores increased their lead up to 40 yards. The time was 8 1-5 seconds slower than the record held by 1921.

The Tug-o'-War The first pull of the tug-o'-war came immediately after the relay race. The Sophomores, who were favorites, due to their last year's victory, showed their superiority by pulling the Freshmen over the line in quick order. The Sophomores pulled together steadily and accomplished this victory in the fast time of 24 3-5 seconds.

The Football Game—First Half The men had a pretty muddy field to contend against, but notwithstanding this they put up a good exhibition, the Sophomores winning 12-7. At the start both teams were prone to fumble, but they soon rid themselves of this. Johansen '22 was the star of the day, as he repeatedly made long runs ranging up to one 60-yard run, and he also scored one of the Sophomores' touchdowns. Brokaw '22 was exceptionally good when it came to broken-field running. Boli also starred, catching a forward pass over the goal line for a touchdown.
First Quarter

1923 kicked off to the Sophomore 15-yard line, Boli receiving the ball and running it back 15 yards, 1922 then losing the ball on a fumble. The Freshmen fumbled once and recovered, but followed this fumble by another which was captured by a Sophomore, and at this time the crowd was thrilled in the form of a 60-yard run around left end by Johansen '22. Kelley '23 then intercepted a forward pass on his own 7-yard line, the Freshmen then punted out from behind their goal line, and Johansen '22 ran the punt back to the 12-yard line. Brokaw '22 went through guard for 5 yards, following this with another 2-yard gain. Immediately after this, Brokaw '22 shot a pass to Boli '22 right over the line, and a touchdown was scored. Boli missed the goal. 1922 kicked off to 1923, Kelley '23 running the ball back 35 yards. The Freshmen were then penalized for holding. A short forward pass was given, Braithwaite to Bedis; Richards made 8 yards through tackle, followed by Cronin with 5 yards more. But '23 was off side, and they refused the penalty, so '22 took the ball. Brokaw '22 and Johansen between them carried the ball about 45 yards with seven plays. The whistle then blew and the quarter was up.

1922 . . . 6 1923 . . . 0

Second Quarter

Johansen '22 ran the ball to the 1923 1-yard line. The Freshmen then held for two downs, but after that, Johansen pushed the ball over the line. The kick out was missed. The Freshmen kicked off.
sen running the ball back 20 yards, he then punted the ball 40 yards and the ends dropped the '22 man in his tracks. The Sophomores accepted the forward pass and Brokaw made 5 yards on a fake kick. Boli was then called back and he punted. Kelley who ran the ball back 10 yards was laid out and was replaced by Schultz. The Sophomores were off side and Johansen punted the ball about 25 yards. The ball wasn't run back. At this time the whistle blew for the close of the first half.

1922 . . . 12 1923 . . . 0

Tug-o'War—Second Pull

The second tug-o' war took place between the halves of the football game. The Freshmen were determined not to be pulled over as easily as they were the first time, and they put up a mighty struggle. The Sophomores got the jump and fought their way, pulling the Freshmen slowly toward the line and the Freshmen did not capitulate until 1 minute, 25 seconds.

Third Quarter

Football Game—Second Half

Meyer '22 for Boli '22, Shepherd '22 for Chadbourne '22, and Pike '23 for Randolph '23. The Sophomores kicked off to Schultz, who ran the ball back 25 yards. The Freshmen then decided to punt, and Brokaw '22 ran the punt back eight yards. Ramsey '22 was hurt, and Bainbridge '22 replaced him. The Sophomores were unable to gain, and Johansen kicked, the punt almost being blocked. The Freshman receiving this was downed without much gain, but on the next play Richards '23 carried the ball 25 yards around left end for a touchdown. The ball was kicked out, and Cronin '23 made the goal. 1923 kicked off

1922 Tug-o' War Team just before the battle
to 1922, Brokaw running back for kick. A lateral pass was attempted, but no gain was made, Kelley downing the man for a 6-yard loss. Miller '23 went in for Schultz '23, and Smith '23 for Richards '23. The quarter then ended.

Fourth Quarter

1922 failed on a forward pass and then resorted to a punt which went over the back fields' heads for about 55 yards. The punt was exchanged and 1922 again received the ball. Johansen was thrown for a 10-yard loss by Tirrell '23 forcing 1922 to punt. The man was tackled before he had started. The Sophomores were penalized 5 yards for off side. Sayre '23 went in for Hewitt, and Newman '22 for White '22; then 1923 held on the next down, but it was of no avail, because Johansen made it first down by a 15-yard run around end. Richards '23 went in for Miller '23, and Levitz '23 for Sayre '23; and shortly after this the game ended with the ball on 1923's 33-yard line.

Boxing

Boxing was in a rather unfortunate position, being the last scheduled event, and at this time of year it was too dark to see; but two bouts were fought off practically by searchlight. Corbett '21, the New England amateur light-weight champion, received the decision
over Rhodes '22, and Rosenfield '21 got the decision over Horgen '22 in the heavy-weight class. The third match, Addicks '21 against Doebler '22, was not held, as Doebler was ill and unable to participate.

The dinner in honor of Field Day participants was held the next night in Walker Memorial, thus ending one of the best Field Days ever held at the Institute.
### Field Day Scores

<table>
<thead>
<tr>
<th>Year</th>
<th>Class</th>
<th>Score 1</th>
<th>Score 2</th>
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<tbody>
<tr>
<td>1901</td>
<td>'04 vs. '05</td>
<td>'05-6</td>
<td>'06-3</td>
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<tr>
<td>1902</td>
<td>'04 vs. '05</td>
<td>'05-6</td>
<td>'04-3</td>
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<tr>
<td>1903</td>
<td>'05 vs. '06</td>
<td>'05-7</td>
<td>'06-2</td>
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<tr>
<td>1904</td>
<td>'06 vs. '07</td>
<td>'06-9</td>
<td>'07-0</td>
</tr>
<tr>
<td>1905</td>
<td>'07 vs. '08</td>
<td>'07-5½</td>
<td>'08-3½</td>
</tr>
<tr>
<td>1906</td>
<td>'08 vs. '09</td>
<td>'08-5</td>
<td>'09-4</td>
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<tr>
<td>1907</td>
<td>'09 vs. '10</td>
<td>'09-5</td>
<td>'10-4</td>
</tr>
<tr>
<td>1908</td>
<td>'10 vs. '11</td>
<td>'10-9</td>
<td>'11-0</td>
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<td>1909</td>
<td>'11 vs. '12</td>
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<td>'12 vs. '13</td>
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<td>'12-3</td>
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<td>'13 vs. '14</td>
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<td>'14-0</td>
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<td>1912</td>
<td>'14 vs. '15</td>
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<td>'14-3</td>
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<td>1913</td>
<td>'15 vs. '16</td>
<td>'15-9</td>
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<td>1914</td>
<td>'16 vs. '17</td>
<td>'16-5</td>
<td>'17-4</td>
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<td>'17 vs. '18</td>
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<td>'17-4</td>
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<td>'18 vs. '19</td>
<td>'18-9</td>
<td>'19-0</td>
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<td>1917</td>
<td>'19 vs. '20</td>
<td>'20-6</td>
<td>'19-3</td>
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<tr>
<td>1918</td>
<td>'20 vs. '21</td>
<td>'20-6</td>
<td>'21-3</td>
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<td>1919</td>
<td>'21 vs. '22</td>
<td>'21-11</td>
<td>'22-2</td>
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<tr>
<td>1920</td>
<td>'22 vs. '23</td>
<td>'22-13</td>
<td>'23-0</td>
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</table>

### Field Day Records

- **Football** Made in 1904 by '07 vs. '08: 22 to 0.
- **Tug-o'-War** Made in 1916 by '19 vs. '20: Time=15 2-5 sec.
- **Relay Race** Made in 1918 by '21 vs. '22: Time=4 min., 48 sec.
- **Crew** Made in 1918 by '21 vs. '22: Time=5 min., 40 sec.
TECH NIGHT is so well known to all undergraduates that it scarcely needs an introduction. Even though the Institute has a well-earned reputation for long and concentrated hours of mental effort, the majority of the students are so constituted that upon occasion they seem quite able to appreciate the pleasures of an evening spent at some more or less frivolous show; the more frivolous the better, in fact. As the year rolls by and a new fall appears, every undergraduate looks forward to Tech Night as a fitting climax to the annual Field Day.

All the details for Tech Night are placed in the hands of a committee of three men, two Seniors and one Junior. This committee selects the show and makes all the necessary arrangements with the theatre management for taking over and selling every seat in the house. Furthermore, it is their duty to determine the allotment of seats for the different classes: the best seats to Field Day officials and Seniors, then Juniors, then Field Day teams and Sophomores, and finally Freshmen.

This year the "Gaieties of 1919" appealed to the committee as suitable for the occasion, this selection proving highly acceptable to the student body as well. "How far is up?" "Who wants to know?" became the recognized form of greeting during the ensuing week.

In closing, it is well to add a word or two in regard to the undergraduates present. The conduct of every Tech man in the audience made each and every one proud of the fact that he was a Tech man. No further comment is necessary. May the years to come see many such enjoyable evenings as that of Tech Night 1919.
1922 Football Team

1923 Football Team
# Athletics

## Football

### 1922
- Captain: Charles Edmund Brokaw
- Manager: Donald Elbra Walch

### 1923
- Captain: Charles Alan Brantingham
- Manager: Kenneth George Crompton

### Teams

<table>
<thead>
<tr>
<th>Year</th>
<th>Left End</th>
<th>Left Tackle</th>
<th>Left Guard</th>
<th>Center</th>
<th>Right Guard</th>
<th>Right Tackle</th>
<th>Quarter Back</th>
<th>Left Half Back</th>
<th>Right Half Back</th>
<th>Fullback</th>
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<tbody>
<tr>
<td>1922</td>
<td>Henry Lyman Bretting</td>
<td>Warren Don Sherman</td>
<td>Francis Wheeler Spalding</td>
<td>Abbott Livingston Johnson</td>
<td>William King White</td>
<td>Harry McKenzie Ramsay</td>
<td>George Trevel Boii</td>
<td>John Stanley Rafferty</td>
<td>Joseph Humphrey Chadbourne</td>
<td>Elmer Lawrence Johansen</td>
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</tbody>
</table>

### Substitutes
- William Warren Bainbridge
- Lawson Tisdale Blood
- George Wainbaugh Heathman
- Charles Randolph Myer, Jr.
- Charles Gordon Rudderham
- Thomas Elwell Shepherd
- Edmund Jared Thimme
- Attilio Robert Tomen

- John Whitbeck Barrows
- Fultz Albert Hooper
- Henry Parker Kelley
- George John Leewitz
- Frank Miller, 2d
- Herman Fay Pike
- Daniel Clemens Sayre
- Charles Frederick Smith, Jr.

### Football

- **Won By**
  - 1922

- **Score**
  - 12-7

### Schedules
- 1922, 7; English High, 7
- 1922, 13; Harvard '23 2d, 0
- 1922, 6; Harvard '23 1st, 6
- 1922, 13; Lowell Textile, 6
- 1923, 6; Bentley, 7
- 1923, 0; St. John's, 6
ATHLETICS

RELAY TEAMS

1922
John Warde Poole, 3d . . . Captain
Harrison Davis Folinsbee, Jr. Manager

1923
Robert Pond Bolster
Frank Oliver Bond-Nelson

1922
Leonard Bentley Laird
Egil Christensen
Frank Tourtellot Wallcott, Jr.
Bernard Samuel Falk
Charles Yardley Chittick
Walter Thomas Kirley
Morris Fahnestock Sheldon
Robert Prescott
George Kelley Matthews
William Brewster Gurney
Alvah George Hayes
John Warde Poole, 3d

1923
Harry John Brusner
Arthur Raymond Holden
Edgar Dodge Deming
Frank Hughey Plaisted
Clayton Fuller Harvey
Edward Ward Hollister
Walter Neal Webster
Greatore Charles Bradshaw
Robert Elverson Dodd
Worthing Lapham West
Arthur Dearborn Smith, Jr.
Robert Pond Bolster

LEADERS

Leland Kinsey Cowie
Carl Daniel Dipple

SUBSTITUTES

Norman Towne Allen
Robert Landis Hershey

RELAY RACE

Distance: 1½ miles
Won by 1922 Time: 4 minutes, 56½ seconds

Record: 4 minutes, 48 seconds, held by 1921

243
## CREW

### 1922

<table>
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<th>Name</th>
<th>Position</th>
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<tbody>
<tr>
<td>Ralph Walter Hemenway</td>
<td>Captain</td>
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<tr>
<td>Everett Walker Vilett</td>
<td>Manager</td>
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</table>

### 1923

<table>
<thead>
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<tr>
<td>John Lewis Brill</td>
<td>Captain</td>
</tr>
<tr>
<td>Edward Tortington Ross, Jr.</td>
<td>Manager</td>
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### CREWS

#### 1922

<table>
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<td>Ragnar Meyer Knutsen</td>
<td>Bow</td>
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<tr>
<td>Henry John Horn, Jr.</td>
<td>2</td>
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<td>Frank Perkins Knight, Jr.</td>
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<td>John Clement Molinar</td>
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<td>Walter Bridges Driscoll</td>
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<td>Fay Herman Osborne</td>
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<tr>
<td>Ralph Walter Hemenway</td>
<td>7</td>
</tr>
<tr>
<td>Colby William Bryden</td>
<td>Stroke</td>
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<tr>
<td>Harrison Davis Föllinsbee, Jr.</td>
<td>Cox</td>
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#### 1923

<table>
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<td>Roger Jackson Evans</td>
<td>Bow</td>
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<tr>
<td>John Lewis Brill</td>
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<td>Howard Dickson Hackett</td>
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<td>William Lyman Stewart, Jr.</td>
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<td>Benjamin Pray Bullman</td>
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<tr>
<td>Gilbert Nelson Ross</td>
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<td>Joseph Cornell Nowell, Jr.</td>
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<tr>
<td>Henry Yates Satterlee</td>
<td>Stroke</td>
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<tr>
<td>William Alden Peabody</td>
<td>Cox</td>
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### Substitutes

- Ford Blanchard
- Richard Lyon Bowditch
- Henry Schumann Rubens

### Crew Race

- Won by 1922
- Distance: 1½ miles
- No time taken
ATHLETICS

1922 Crew

Bryden Oshorn
Dricoll Knight
Hassenway, Capt.
Blanchard Knutsen
Vilet, Mgr.

1923 Crew

E. Ross, Mgr.
Hackett
Nowill
Ballman
Satterlee
Rubens
Brill, Capt.
Bowditch
Stewart
Evans
G. Ross

245
1922 Tug-o'-War Team

Back Row: Nemith, Earls, Cook, Vaughan, Dickerson, Laverne, Silberman, Henders
Second Row: Howe, Hubbard, Kurtz, Pearson, James, Capt., Leland, Bidwell, Roberson
Sitting: Wolf, Windo, McFarland, Perry, Winner

1923 Tug-o'-War Team

Back Row: Richardson, Kinch, Hastings, Davenport, Procter, Barrett, Burns
Middle Row: Herrick, Mr., Haseltine, Berger, Crosby, Scotfield, Hildreth, Field
Front Row: Tenney, Hartwright, Rounds, Shaw, Capt., Wilder, Lundeke
# Tug-o'-War

1922

William Howard Lawrence James . Captain . Robert Payne Shaw  
Francis Huston Wyeth . . . . Manager . Philip Abbott Herrick

<table>
<thead>
<tr>
<th>Teams</th>
<th>1922</th>
<th>1923</th>
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<tbody>
<tr>
<td></td>
<td>Sydney Miles Biddell</td>
<td>Harry Clark Barrett</td>
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<td>Ralph Miller Cook</td>
<td>Sherwood Isbell Berger</td>
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<td>William Palma Dickerman</td>
<td>Horatio Lockerby Bond</td>
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<td>Weston Stafford Earle</td>
<td>Robert Valentine Burns</td>
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<td>Ralph Charles Geckler</td>
<td>Robert Ralph Crosby, Jr.</td>
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<td></td>
<td>Everett Wheeler Howe</td>
<td>Arthur Winthrop Davenport</td>
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<tr>
<td></td>
<td>Cecil Haskins Hubbard</td>
<td>David Porter Field</td>
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<tr>
<td></td>
<td>Robert William Hughes</td>
<td>Francis Toomer Haseltine</td>
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<td></td>
<td>William Howard Lawrence James</td>
<td>Atherton Hastings</td>
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<td></td>
<td>Francis Mason Kurtz</td>
<td>Clark Williams Hildreth</td>
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<td></td>
<td>Sanford Daniels Lelaad, Jr.</td>
<td>Frederick Adrian Kinch, Jr.</td>
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<tr>
<td></td>
<td>Robert Bullock Miller</td>
<td>Harold Philip Kurzman</td>
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<tr>
<td></td>
<td>Julian Bonsall McFarland</td>
<td>Herbert Carl Ludeke</td>
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<td></td>
<td>James Nesmith, 2d</td>
<td>John Nicholas Luykx</td>
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<td></td>
<td>Harry Leslie Pearson</td>
<td>Stephen Jones Miller</td>
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<td>William McGee Perry</td>
<td>Bernard Emerson Proctor</td>
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<td>MacDudley Perkins</td>
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<td>Isador Joseph Silverman</td>
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<td>Holland Russell Smith</td>
<td>Hollis Clinton Ruoff</td>
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<td>William David Scofield</td>
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<td>Eugene Van Buren Van Pelt, Jr.</td>
<td>Robert Payne Shaw</td>
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<td></td>
<td>Raymond Lincoln Vaughn</td>
<td>Rodolphus Kibbe Turner</td>
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<td></td>
<td>Paul Winsor, Jr.</td>
<td>Philip Sawyer Wilder</td>
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<tr>
<td></td>
<td>Ronald Henry Winde</td>
<td>Preston Woodling</td>
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|        | William Carter Roberson                                              | Herbert Hesselton Flather                                           |

| Substitutes | Alfred Lawson             | Victor Lawrence Wolf |

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<th>Won By</th>
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<td>Second Pull</td>
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<td></td>
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<tr>
<td>247</td>
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STUDENT ACTIVITIES
THE first event of the school year 1919–20 in the line of undergraduate activities was the All Technology Smoker held in Walker Memorial on October 17 under the auspices of the Institute Committee. This, although a comparatively recent addition to the Institute’s calendar of annual student get-togethers, has now reached the point where it is really satisfying a much-felt want among the undergraduate body, namely, an opportunity for the entire school including the faculty to get together, to hear what the school activities are doing, and to appreciate better the fact that the Institute is one unified whole rather than a university composed of a large number of different courses each with its own particular organization. This year the Smoker was given for the ostensible purpose of welcoming the Class of 1923 and introducing to them the various Institute activities, but in accomplishing this end the bigger, broader significance of the gathering was made clear.

Following the dinner and the various vaudeville features, speakers representing the school activities gave five-minute talks outlining the history and future plans of the organizations which they represented. Dean Alfred E. Burton, known at Technology as the “friend of activities,” extended the welcome to the new class from the undergraduate body and the faculty, and the Rev. George C. Gibbs ’00 spoke on loyalty to self, school, and country.

Inasmuch as Walker Memorial was a gift to the students from the Alumni, each year the keys to the building are presented by an alumnus to a representative of the undergraduate body, thus symbolizing the gift to the school. The first presentation was made at the All Technology Smoker held in Walker Memorial the early part of last year. This year the presentation was made by Mr. Henry A. Morse, Ex-President of the Alumni Association, and the keys were accepted by Norris G. Abbott as President of the Institute Committee. No more fitting conclusion to an All Technology Smoker could be found. May the Smokers of ensuing years continue to maintain the high standard set by that of 1919.
TECHNIQUE 1921 BOARD

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Grunds Editor

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Associate Business Manager

Francis Bowen Kittredge  
Societies Editor

Henri Pell Junod  
Athletic Editor

William Robert Barker  
Business Manager

Winter Dean  
Treasurer

Reginald Hammerick Smithwick  
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Portfolio Editor

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Assistant Photographic Editor

Roger Hayward  
Art Editor

Merritt Freeman Farren  
Assistant Art Editor

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Assistant Art Editor

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George William Potter
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Editor
John Everett Hoffman

Editorial Staff
Russell Weaver Conant
Thomas Bradford Drew
David Minott Houston
### Former Editors of Technique

<table>
<thead>
<tr>
<th>Year</th>
<th>Editor-in-Chief</th>
<th>Business Manager</th>
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<td>1885</td>
<td>F. P. Gulliver</td>
<td>H. C. Spaulding</td>
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<td>1886</td>
<td>G. E. Claplin</td>
<td>L. A. Ferguson</td>
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<tr>
<td>1887</td>
<td>J. L. Mauran</td>
<td>R. L. Russell</td>
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<td>H. F. Hathaway</td>
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<td>F. Metcalfe</td>
<td>H. M. Waite</td>
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<td>1892</td>
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<td>R. K. Sheppard</td>
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<td>A. L. Canfield</td>
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<td>R. S. Willis</td>
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<td>1900</td>
<td>L. Stewart</td>
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<td>C. F. Cains</td>
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<td>H. R. Crowell</td>
<td>G. Urquhart</td>
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<td>J. M. DeBell</td>
<td>P. C. Leonard</td>
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<td>K. Reid</td>
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<td>1920</td>
<td>N. G. Abbott, Jr.</td>
<td>G. H. Burt</td>
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WELCOME addition to the publications of the undergraduate body of the Institute appeared this year in the form of the third edition of “Concerning M. I. T.” The first edition of this little book appeared in 1909, the second in 1914, and the third in 1919. The purpose of the book is to present a complete description of the Institute and its life to the incoming freshmen particularly, and to the undergraduates, alumni, and the world in general. The first two editions had so well accomplished their purpose of making better known the true Tech as to make the publication of “Concerning M. I. T.” an established necessity in the scheme of things at the Institute. But in order that it might keep pace with the changing conditions of undergraduate life, it has now been reedited and the third edition printed.

This third edition contains a full-page picture of President Maclaurin, an historical sketch of the Institute, and descriptions of the aims and requirements of the various courses in the first part. The following sections deal with the many sides of undergraduate life, social and class organizations, teams, the Show, Musical Clubs, publications, and professional societies. All these various features of undergraduate activities are taken up from the point of view of the student.

The information contained in the little volume is broad and accurate, making the book valuable to everyone interested in the Institute. Probably the greatest service rendered is that of counsellor and guide to the freshman, bewildered and trying to adjust himself to new conditions. For with each succeeding year just such a volume becomes more and more necessary to assist the freshmen in solving the various problems of undergraduate life.

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Founded in 1902 at the University of Wisconsin, Madison, Wis.

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<td>Beta</td>
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<td>Urbana, Ill.</td>
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<td>Boulder, Col.</td>
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<td>Lincoln, Neb.</td>
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<td>Iota</td>
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<td>Terre Haute, Ind.</td>
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<td>Kappa</td>
<td>University of Kansas</td>
<td>Lawrence, Kan.</td>
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<td>Lambda</td>
<td>Ohio State University</td>
<td>Columbus, Ohio</td>
</tr>
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<td>Mu</td>
<td>New Hampshire College</td>
<td>Durham, N.H.</td>
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<td>Omicron</td>
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</tr>
<tr>
<td>Pi</td>
<td>Syracuse University</td>
<td>Syracuse, N.Y.</td>
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<tr>
<td>Rho</td>
<td>University of North Carolina</td>
<td>Chapel Hill, N.C.</td>
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<tr>
<td>Sigma</td>
<td>University of California</td>
<td>Berkeley, Calif.</td>
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<tr>
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<td>Cornell University</td>
<td>Ithaca, N.Y.</td>
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<tr>
<td>Upsilon</td>
<td>Northwestern University</td>
<td>Evanston, Ill.</td>
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<tr>
<td>Phi</td>
<td>Allegheny College</td>
<td>Meadville, Pa.</td>
</tr>
<tr>
<td>Chi</td>
<td>Yale University</td>
<td>New Haven, Conn.</td>
</tr>
<tr>
<td>Psi</td>
<td>Louisiana State University</td>
<td>Baton Rouge, La.</td>
</tr>
<tr>
<td>Omega</td>
<td>University of Pittsburgh</td>
<td>Pittsburgh, Pa.</td>
</tr>
<tr>
<td>Alpha Alpha</td>
<td>Leland Stanford Junior University</td>
<td>Stanford University, Calif.</td>
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<tr>
<td>Alpha Beta</td>
<td>University of Michigan</td>
<td>Ann Arbor, Mich.</td>
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<tr>
<td>Alpha Gamma</td>
<td>University of Kentucky</td>
<td>Lexington, Ky.</td>
</tr>
<tr>
<td>Alpha Delta</td>
<td>University of Cincinnati</td>
<td>Cincinnati, Ohio</td>
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<tr>
<td>Alpha Epsilon</td>
<td>Washington University</td>
<td>St. Louis, Mo.</td>
</tr>
<tr>
<td>Alpha Zeta</td>
<td>Massachusetts Institute of Technology</td>
<td>Cambridge, Mass.</td>
</tr>
<tr>
<td>Alpha Eta</td>
<td>University of Oklahoma</td>
<td>Norman, Okla.</td>
</tr>
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</table>
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<thead>
<tr>
<th>CLASS REPRESENTATIVES</th>
<th>1920</th>
<th>1921</th>
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</thead>
<tbody>
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<td></td>
<td>Norris Greenleaf Abbott, Jr.</td>
<td>Garvin Bawden</td>
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<td>John Crandon Nash</td>
<td>Richard Julius Spitz</td>
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<td>William Hoyt Young</td>
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<td></td>
<td>Warren Tebbetts Ferguson</td>
<td>Robert Payne Shaw</td>
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<td>Sidney Miles Biddell</td>
<td>Charles Alan Brantingham</td>
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<td></td>
<td>Abbott Livingston Johnson, 2d</td>
<td>Robert Elverton Dodd</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Ex-officio Members</th>
</tr>
</thead>
<tbody>
<tr>
<td>William Emil Meissner</td>
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<tr>
<td>Paul Nathaniel Anderson</td>
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<td>Arthur Clark Atwater</td>
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<td>Harold Pearson Etter</td>
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<td>Murray Morrison Whitaker</td>
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<td>Harmon Bridwell Deal</td>
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<td>Marcial Ernesto Martinez</td>
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<td>Count Brooke Capps</td>
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<td>Hobart Oakes Davidson</td>
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<td>Henry Neuman Landis</td>
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<td>Percy Bugbee</td>
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<td>Reginald Hammerick Smithwick</td>
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<td>Walter Raymond McKenney</td>
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<td>Alfred William Peterson</td>
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<td>Herbert William Reinhard</td>
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<td>Homer Vernon Howes</td>
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<td>George Henry Burt</td>
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General Secretary
Wallace M. Ross
Advisory Council
Scott H. Wells

Norris G. Abbott

The Technology Christian Association aims to be of practical service to every student in the Institute and to help Technology realize its highest ideals.

This year the Association ran a book-exchange which disposed of eight hundred dollars' worth of books for and to undergraduates; it conducted an employment bureau which gave work to men amounting to $4,100; it distributed, free of charge, 2,500 handbooks or "Bibles," obtained rooms for 1,000 fellows, and placed 18 undergraduates in boys' work in Greater Boston.

Department Heads

Handbook
Elmer W. Davis
Egbert W. Olcott
Employment Bureau
Bradley P. Williams
Foreign Students
Albert Calvert
Book Exchange
Edwin R. Clark
Boys' Work
Paul A. Bray
Membership
Robert L. Turner

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Des Moines Convention

The eighth convention of the Student Volunteer Movement was held at Des Moines, Ia., December 31, 1919, to January 4, 1920. Practically every educational institution in the United States and Canada was represented, there being 7,500 students, professors, and other representatives from about 800 institutions. Tech was represented by the largest number which she ever sent to any similar gathering—33, which was her full quota. Great information and inspiration was obtained by the Tech delegation showing them what a Christian engineer might do in foreign lands.

DELEGATES

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<thead>
<tr>
<th>Year</th>
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<tr>
<td>1920</td>
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<tr>
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<td>Warren L. Cofen</td>
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<td>Charles H. Reed</td>
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<td>Kenneth J. Roman</td>
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<td>Irving D. Jakobson</td>
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<td>Justaro Kawai</td>
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<td>1922</td>
<td>William H. Lang</td>
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<td>Duncan R. Lindsay</td>
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<td>William H. Noyes</td>
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<td>W. King White</td>
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<td>Frederick C. Spooner</td>
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<td>Scott H. Wells</td>
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<td>John S. Ruffet</td>
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<td>Harry M. Ramsay</td>
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ADVISORY MEMBERS

Frank L. Hewitt, Faculty Representative
Wallace M. Ross, T. C. A. delegate
SOCIETY OF ARTS

THIS is a department of the Institute which is especially devoted to the general dissemination of scientific knowledge. It aims to awaken and maintain an interest in the advances and practical applications of the sciences. During the past four years popular experimental lectures on science have been given for the pupils of high and preparatory schools of Boston and vicinity. The purpose of these lectures is to provoke an interest in science from the pupils of the secondary schools. While it is expected that pupils who are studying science may benefit more than others from these lectures, a knowledge of science is not assumed by the lecturers.

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Civil Engineering Society

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Assistant Secretary
Carl Ambrose Ellis

Assistant Treasurer
Charles Henry Reed

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Theodore Wallace Adams
Edwin Bennett Murdough
Elliott Burgess Roberts

Trip Manager
John Lucas
### MEMBERS

**1920**

<table>
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<tr>
<th>James Allen</th>
<th>H. K. Fields</th>
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<td>F. E. Justice</td>
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### SPECIAL STUDENTS

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<tr>
<th>Akel Andersen</th>
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<td>T. D. Wilson</td>
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E. V. Carroll
H. F. Casey
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J. W. Crowley
S. R. Cummings
G. H. Cutter
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J. A. Goldthwaite
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B. M. Grosser
T. F. Harney

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R. M. Simpson

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E. K. Barnes
J. R. Jameson
W. J. Hamburger
J. W. D. Chelis
V. C. Haskell
L. C. Bishop
W. J. Hammon
P. F. Clark
J. R. Henion
L. C. Bishop
F. D. Clarkson
J. F. Hickey
F. H. Coldwell
P. N. Hillard
R. C. Cole
R. H. Hitchkin
J. D. Collins
J. H. Hull
K. W. Cunningham
H. F. Hunter
E. E. Davis
A. H. Iyon
E. S. Dennis
N. Imley
J. D. Dielenback
E. Jackson
B. F. Williams
V. Dixon
E. V. Jackson

G. H. Jackson

A. T. Dielenback

J. L. Eddington

L. S. Edgerton

W. F. Winchester

W. H. Young

H. D. Allie

N. L. Apoloniaio

R. M. Arnold

W. W. Bainbridge

J. T. Bickford

S. A. Black

W. G. Blake

R. P. Bolster

C. M. Bosia

M. B. Bradley

H. L. Breiling

E. C. Brook

R. B. Brown

C. W. Bryden

C. J. Burke

J. Cassidy

C. S. Cner

K. K. Cheng

H. S. Clemins

G. O. Clifford

E. A. Cobb

B. A. Cooper

W. J. Crift, Jr.

R. F. Cottin

C. D. Crystor

H. S. Dinkmsk

G. D. Dunne

J. H. Dugt

F. H. Wood

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A. K. Bak

I. N. Zavarene

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Wilford Priest Hooper

Treasurer
Merritt Freeman Farren

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R. H. Blatter
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P. H. Duncan
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W. J. Ferguson

L. Hearne

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F. M. Gill
H. W. Hatch
E. V. Holden
W. P. Hooper
W. E. Meissner
D. B. Parkinson

Margaret Kimball
A. Kruse
W. E. Luke
S. E. Lunden
C. F. McGill

J. O. Merrill
C. M. Nelson
R. E. Paton
C. F. Koech
Ann Roseenthal

Margaret Mall
E. A. Merrill
S. V. Farratt
E. G. Pennell
A. H. Pierce
N. F. Randall

C. H. Muhlenburg

Muriel Smith

R. W. Reno
H. L. Rosengard
H. MacA. Schley
Florence W. Stiles
D. G. Swan
A. H. Vigneux

E. F. Shields

W. H. Schimmelpfennig
T. Quiros
A. L. Williams
C. T. Wilson
J. J. Wolfson
F. E. Zurwelle

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A. F. Wood

BROWNELL

Schimmelpfennig
Farren
Meissner
Zurwelle
Hooper

FOURTH YEAR

SECOND YEAR

FIRST YEAR

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H. N. Evetz
J. B. Ford
A. R. Gatewood
J. G. Haver

D. F. Bissett
F. Blanchard
J. A. Bowes
C. A. Chase
S. J. Hatheld
T. T. Heffernan
F. Hutchinson

Graduate

1920
N. Lee
P. F. Maher
S. M. Fassell

1921
E. T. Howard
M. S. Howe
A. L. Jackson
I. D. Jakobson
A. L. Mock
C. B. Nelson
A. Osborne

1922
J. H. Kanan
C. C. Maling
D. B. Marsh
W. Mateese
F. Minat
E. Morse
J. R. Mortin
A. L. Newhall

Lieutenant E. L. Cochrane, U.S.N.

A. W. Peterson
T. F. Wei
G. A. Wilson

C. A. Rimmer
M. C. Rose
E. I. Schock
F. Scott
R. R. Siegfried
B. H. Wallace
E. L. Young

H. G. Olson
W. F. Sammett
J. E. Shaver
E. Shenherr
R. R. Stewart
D. Talano
E. L. Wraslow

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M. I. T. Radio Society

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Fullerton Deering Webster

Treasurer
William Corydon Kohl

Program Committee
Henry Reinhold Kurth

Ronald Hayden Shaw

Publicity Committee
Carole Aaron Clarke

Anscale Newman
## MEMBERS
### GRADUATE

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### 1920

- W. S. Lu
- P. A. Demars
- A. G. Merriman
- R. A. Miller
- C. H. Young

### 1921

- G. M. Fox
- E. B. George
- H. R. Haines
- A. R. Harvey
- W. L. Knopke
- H. R. Kurth
- A. J. Lapointe
- E. P. Malloy

### 1922

- F. J. Horgan
- W. I. Horwick
- S. W. Huff
- G. W. Kenrick
- M. Knight
- E. H. Koehler
- J. Lovejoy
- H. B. McIntyre
- H. H. Maxim
- A. W. Milliken
- L. A. Morrow
- A. P. Munning
- P. Wisner

### 1923

- W. Dietz
- G. Ferrenbach
- R. H. Fratier
- P. D. Fuller
- R. E. Hendrie
- C. C. Henry
- C. W. Hildreth
- D. Kaufman
- H. E. Kent

### Wei-Yu Chiu

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<td>A. A. Turner</td>
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### 1922

- J. Nesmith
- A. Newman
- F. Pratt
- O. T. Radcliffe
- H. H. Razack
- C. P. Schumacher
- A. E. Shaw
- R. H. Shaw
- E. R. Thomas
- O. H. Trowbridge
- C. W. Whittemore
- W. B. Wingert

### 1923

- W. S. Marder, Jr.
- S. J. Miller
- N. Page
- C. V. Reeves
- J. W. Sands
- F. L. Smith
- P. C. Smith
- W. L. Trumper
- W. H. Walker

### C. F. Woodbury

- A. K. Whitaker
Electrical Engineering Society

Foster Smiddy
Kinloch Deal Booth Moir

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Harmon Bridwell Deal

Vice-Chairman
Ralph Douglas Booth

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Florence Fogler

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Archibald Hendrie Kinghorn, Jr.

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James Govon Moir, Jr.
Harold Francis Smiddy
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MEMBERS

GRADUATE STUDENTS

R. L. Davis
C. S. Lockwood

B. E. Hopkins

D. M. Jemmett

J. M. Nalle

C. A. Keener

W. W. Robinson

1920

L. H. Allen
E. H. Beucker
E. G. Bongarts
J. H. Becker
E. G. Betts
H. W. Ebber
R. D. Booth
P. C. Benedict
J. T. Braaten
P. S. Brown
K. K. Chun
H. B. Deal

P. A. de Mars
A. N. Dos
H. G. Dooley
A. Y. Dumas
I. T. Elliott
Mia F. Fowler
J. R. Fuller
H. L. Granger
L. Harris
A. H. Keightborn
J. W. Logan, Jr.

W. S. Lu
A. G. Merriam
R. A. Miller
J. G. Moir, Jr.
I. L. More
M. H. Pai
E. R. Perkins
M. R. Pike
G. J. Piza
R. B. Pollock
R. R. Ridgway
M. S. Sanders

R. B. Sandford
E. E. Saunders
H. F. Smidt
N. G. Smokey
C. A. Snowes
F. C. Tan
G. Wulfsay
H. C. Wang
K. B. White
J. C. Wilson
L. F. Woodruff
J. Young

1921

E. D. Ayres
W. R. Barker
D. A. Barnes
H. R. Blomquist
J. D. Bowerman
L. J. Brown
J. E. Buckley, Jr.
L. O. Buckner
R. G. Burr
T. B. Card
O. W. Clark
C. A. Carke
P. T. Coffin
R. F. Cornell
J. S. Cummings
A. Denhin
T. D. Dutton

J. L. Entwistle
G. E. Famer
E. G. Farrand
H. P. Field
H. Flesning
G. M. Fox, Jr.
G. O. Frederickson
R. H. Gilbert
W. C. Hagerton
H. R. Haines
G. L. Hall
M. C. Hall
P. H. Hatch
D. H. Hathaway
D. C. Jackson, Jr.
L. R. Jones
M. R. Jenney

A. J. Johnson
S. M. Jones
G. A. Kain, Jr.
A. L. Kerrigan
W. L. Knowlko
W. C. Kohl
H. R. Kuehn
J. B. Mattson
B. M. Mills
G. F. B. Owens
N. P. Patten
F. K. Peterman
A. P. Powell
L. J. Purnell
L. Randall
A. S. Richards

E. L. Rose
W. S. Ross
P. H. Ruthford
E. D. Ryster
R. M. Shaw, Jr.
H. M. Shirey
G. E. Shoemaker, Jr.
G. W. Spaulding
H. F. Stowe
C. E. Thornton
S. F. Travis, Jr.
M. S. Vallarta

1922

P. M. Alden
R. M. Arnold
L. A. Atola
E. J. Bachman
C. H. Baker
T. H. Barnard
L. J. Batt
M. J. Bergen
J. F. Brush
H. E. Bundy
H. L. Cobb
R. L. Cohen
K. G. Crabtree
A. B. Craig
P. W. Cusdby
F. R. Dalley
R. C. Davey
G. Dean
R. E. Downey
R. R. Ellis, Jr.
W. B. Euler
B. S. Falk

R. E. Ferdinand
F. A. Fletcher
A. F. Flourney
G. A. Fowlercade
C. C. Fulton
F. D. Gage
L. R. Gimiliat, Jr.
C. L. Gilson
G. W. Gilman
A. E. Gruppe
G. Hauge
F. G. Hopper
E. H. Hubbard
W. H. L. James
P. M. Kolbog
G. W. Kemrick
D. P. Knight
J. Lecuzzi
C. J. Lundborg
W. C. McCreas
H. B. MacIntyre
F. G. Marden

I. Mark, Jr
J. T. Martin
E. B. MacInnis
H. F. Metzke
A. W. Mikkel
H. E. Moore
P. S. Murdoch
J. Nesmith
A. Newman
M. J. Patitiaeas
R. G. Penningill
H. P. Plaza
W. F. Potter
F. Pratt
I. D. Price
W. W. Quirtes, Jr.
H. H. A. Razzack
A. F. Robertson
R. W. Rousse
E. R. Rushton
A. J. Sadow

J. D. Sarros
A. E. Shaw
R. H. Shaw
H. E. Smelser
E. W. Smith
R. L. Smith
M. J. Steinberg
D. C. Stewart
E. N. Strong
J. A. Thum
H. R. Tomlinson
W. A. Tripp
O. H. Trowbridge
E. V. A. Vain Pelt, Jr.
E. W. Vittert
D. E. Welch
F. D. Webster
V. E. Whiteson
H. L. Williams
D. D. Williamson
P. Wilson, Jr.
Corporation XV

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Warren Louis Cofren

Treasurer
Alan Wollison Burke

Directors
Kenneth Fellows Akers
Lawrence Wickes Conant

Dwight Elliot Stagg
Walter Lawrence Winant
## MEMBERS

### 1920

<table>
<thead>
<tr>
<th>F. H. Blackmer</th>
<th>A. P. Cochran</th>
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### 1921

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Chemical Society

President
Robert Laird Turner

Vice-President
Murray Morrison Whitaker

Secretary
Theodore William Bossert

Treasurer
Jerome James Franck

Program Committee
Alexandre James Lapointe

August Peter Munning

Members

Graduates

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J. L. Parsons
E. F. Perkin
C. E. Ruby

1920

L. I. Harris
J. Harrop
C. G. Hart
T. H. Hingston
Y. Homberg
E. S. Hoghton
E. H. Huntress
J. C. Irwin, Jr.
W. S. Johnsen
H. J. Kato
J. D. Kahn
D. J. Kaplas
J. Keats
D. B. Kimbell
C. H. Klingler
P. F. Lawden
C. H. Leander

M. B. Lees
H. M. Levy
A. S. Littlefield
M. B. Littlefield
A. MacMullis
M. A. McClure
F. L. Need
A. W. Miller
R. G. Mosscrop
G. R. Owen
A. P. Powell
A. H. Radack
F. P. Reynolds
S. Ruttenberg
R. H. Savage
S. Scheber
M. Shlager

H. S. Rimna
E. R. Smith
H. H. Smith
C. B. Stanwood
E. Stark
D. C. Stockbarger
G. Tatterfield
G. R. Taylor
A. Tushin
A. A. Uckelmeyer
E. Underhill
L. W. Weisberg
L. E. Weymouth
M. M. Whitaker
P. L. Young
C. H. Yang

E. O. Cummings
W. R. Hamsworth
C. H. Hery, Jr.
M. I. Marshall

F. W. Sanders
J. J. Scharfer
L. B. Smith
C. H. Sorum

T. G. Sullivan
E. G. Wiswell
R. Woodward

D. L. Dowling
F. H. Dyke
R. R. Evans
E. S. Farrow
H. M. Fehren
W. C. Forbes
H. O. Forrest
J. J. Frank
S. H. Franklin
S. Freed
O. F. Fynn
L. W. Gillatt
E. C. Glover
W. Grey
P. E. Haefler
D. C. Hall
A. Rand

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PROFESSIONAL SOCIETIES

1921

L. W. Kendall
R. C. Kingsley
J. Koch
E. H. Koehler
F. M. Kurtz
E. Leberg
W. E. Lennon
W. D. Lenhour
B. H. Leaven
H. A. Lockhart
G. H. Ludlow
E. Louie
J. F. Macneil
R. F. Mann
A. A. Maria
G. G. Marvin
E. N. May
F. L. McDonald
W. H. McLean
A. S. Meyers
R. C. Meyers
C. C. Miller
C. W. Morse
M. Minton
G. G. Moore
W. T. Morgan
C. W. Morris
M. M. Morris
J. E. Murray, Jr.
J. J. Murphy
A. K. Nicholson
J. N. Norris, Jr.
P. F. Osborn
K. L. Page
E. B. Pages
H. J. Payne
C. W. Perkins
W. M. Perry
A. E. Pew
W. B. Purinton

1922

G. D. Ramsay
L. L. Raymond
P. O. Ricker
A. F. Robertson
P. Robinson
C. S. Roll
W. M. Sanders
A. S. Schellhorn
D. N. Shaw
J. J. Silverman
S. F. Sinclair
H. T. Sliman
E. F. Sojte
E. W. Smith
H. J. Smith, Jr.
J. A. Stahbne
H. D. Stanley
C. W. Stowe
R. D. Stuart
C. D. Sullivan
L. P. Tabor
W. K. Taft
J. Tamer
C. M. Taylor
E. L. Thomas
E. E. Turner
M. A. Ulbrecht
P. H. Utziedt
A. N. Walker
R. D. Warren
C. M. Wellin
V. E. Whitman
C. W. Whittemore
G. P. Whitten
H. A. Wilbur
E. M. Wilson
G. S. Williams, Jr.
D. D. Williamson
W. B. Wingert
A. S. Wise
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- **Vice-President**: Montgomery Knight
- **Managing Board**: Robert Melville Arnold
- **Secretary-Treasurer**: James L. Truslow

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- Dr. Sanford A. Moss
- Col. A. A. Maybach
- Lt. Col. F. M. Green
- Lt. Col. L. H. Dennen

### MEMBERS

#### Special

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<td>B. E. Hopkins</td>
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<td>B. Townsend</td>
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#### 1921

- Fairbanks
- Truslow
- Kendall
- Burnham
- Brown
- Winser
- Knight
- Morse
- Arnold

**Officers**

- Robert H. Brown
- Charles H. Burnham

**Vice-President**

- Montgomery Knight

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- Robert D. Fairbanks
- Jackson W. Kendall

**Honorary Members**

- Dr. Sanford A. Moss
- Col. A. A. Maybach
- Lt. Col. F. M. Green
- Lt. Col. L. H. Dennen

**Members**

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- G. N. Denninger
- J. A. Carr
- L. B. Chambers
- E. F. Badger
- G. A. Beeche
- H. W. Best
- E. G. Betts
- H. W. Biber
- R. D. Booth
- F. S. Britten
- G. I. Brown
- A. W. Burt
- G. H. Burt
- S. R. Cummings
- R. M. Frey
- T. S. Greenwood
- C. A. Hancscom
- H. R. Caldwell
- M. C. Chou
- H. C. Clayson
- H. C. Collins
- H. R. Deal
- W. M. Ding
- F. P. Doane, Jr.
- H. M. Federhen
- Miss F. Fogler
- K. L. Ford
- R. H. Gee
- I. Herman
- E. T. Hickman
- T. H. Hingston
- R. Inley
- B. Joxes
- A. H. Kinghorn, Jr.
- A. S. Keegner
- P. F. Lavedan

*Deceased*
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#### 1921

| A. A. Acesta | K. M. Cunningham | E. R. Haigh |
| F. W. Adams | T. D. Dalton | G. L. Hall |
| A. C. Addicks | C. G. Dandrow | M. C. Hall |
| C. L. Aragoni | G. Duteo | H. N. Hallett |
| W. K. Avery | T. O. M. Davidson | C. W. Hanward |
| L. H. Banks | C. P. Davis | R. W. Haskel |
| D. A. Barnes | W. Dean | J. G. Hauber |
| E. L. W. Barry | A. Dnbin | L. B. Hitchcock |
| O. K. Bary | V. Dixon | P. Holmes |
| H. O. Bisby | J. L. Dodson | N. Issidy |
| C. L. Bond | J. P. Drueing | N. R. Jenney |
| J. D. Brown | C. P. Dyer | A. C. Jonasen |
| R. W. Bridcick | A. L. Edson | S. D. Johnston |
| W. A. Bolin, Jr. | R. D. Fairbanks | Kawai |
| J. E. Buckley, Jr. | G. Fargo | J. Keilier |
| L. O. Buckner | R. N. Felsenthal | J. W. Kendall |
| H. M. Butter | R. E. Fennel | H. S. Kiser |
| M. R. Better | E. E. Fendall | S. W. Kitson |
| J. L. Better | H. P. Field | W. Knope |
| A. H. Clarke | H. P. Finch | D. R. Lauglin |
| R. S. Clarke | W. W. Fraynower | J. G. Lee |
| P. T. Colff | C. T. Gardner | W. Leonori |
| W. A. Collins | A. R. Gateswood | M. Lieberman |
| J. Cook | A. Oranoke | H. Y. Lin |
| L. K. Cowie | J. A. Gray | T. K. Lin |
| L. C. Creamer | M. M. Green | D. F. Lyman |
| J. L. Creel | H. A. Greenwald | J. K. Macomber |
| J. D. Crosby | P. E. Guckes | F. M. Maconi |
| J. Crowley | C. G. Malcolm | G. K. Matthews |
| J. R. Cudworth | H. W. Gwynn | D. Russell |

#### 1922

| L. F. Acker | W. H. Dibble | E. Johannsen |
| E. K. Ackerman | H. W. Earle | J. L. Johnson |
| Mrs. V. D. Akin | F. C. Edie | H. C. Judy |
| W. R. Amon | Miss M. Eiesen | J. H. Kahansky |
| R. M. Arnold | R. R. Ellis | T. W. Kendall |
| J. S. Baker | A. F. Erickson | K. C. Kingsley |
| R. H. Baker | E. C. Fales | O. J. Kirchner |
| C. G. Ball | R. E. Furtado | W. T. Kidby |
| T. R. Barnard | A. L. Flournoy | A. G. Knight |
| R. W. Bartlett | A. L. Follmee | D. P. Knight |
| M. J. Bergen | T. H. Gill | E. P. Knight, Jr. |
| W. G. Blake | W. C. Gilman | M. Knight |
| F. Blanchard | G. D. Godard | R. C. Knuthen |
| F. Borcherding | A. P. Godbout | E. H. Kohler |
| J. O. Bowser | J. R. Godfrey | H. C. Kudlick |
| H. R. Boyer | W. L. Gooden | F. M. Kurtz |
| J. L. Boyer | J. G. Greenblatt | A. Lawson |
| G. P. Brookfield | W. L. Gorden | S. C. Lewis |
| G. Brun | J. Greenblatt | Y. H. Li |
| D. A. Brew | W. L. Grunnet | E. Lieberg |
| R. H. Brown | M. L. Harris | F. H. Littrell |
| H. A. Burbank | D. L. Hauke | G. H. Ludlow |
| C. B. Burnham | E. D. Hall | C. Lundberg |
| H. D. Chase | B. Haskell | R. R. Macomber |
| E. Christiansen | A. G. Hayes | K. E. Maddan |
| A. A. Clough | W. A. Hayes | W. L. Magee |
| V. V. Coeks | R. C. Hauer | C. W. Mannville |
| C. S. Consey | W. A. Hoops | Y. D. Markon |
| A. Cooper | P. C. Howe | P. H. Marmon |
| H. P. Cowell | R. E. Hubbard | J. W. Marvin |
| J. Cychoi | W. G. Hughes | M. A. Matasone |
| | E. Ingalls | H. H. Maxime |
| | R. O. Ingalls | C. T. McGready |
| | | J. V. Zarbo |
| | | |

| T. A. McNair | J. V. McGrail | L. J. McGrath |
| D. McCarty | C. J. McIntire | L. A. Johnson |
| E. D. Mehling | W. H. McLean | H. C. Judy |
| R. J. Mellen | T. W. Kendall | J. H. Kahansky |
| E. Merrill | K. C. Kingsley | O. J. Kirchner |
| R. L. Miller | W. T. Kidby | D. P. Knight |
| A. L. Mook | E. P. Knight, Jr. | M. Knight |
| E. P. Molloy | R. C. Knuthen | E. H. Kohler |
| H. D. Moore | H. C. Kudlick | H. C. Lieberg |
| W. D. Morrison | F. M. Kurtz | F. H. Littrell |
| A. L. Morse | A. Lawson | G. H. Ludlow |
| M. H. Nipals | C. W. Mannville | C. C. Lundberg |
| O. F. Netzke | Y. D. Markon | R. R. Macomber |
| L. T. Nichols | P. H. Marmon | J. W. Marvin |
| F. J. O'Connell | J. W. Marvin | M. A. Matasone |
| R. F. Officer | H. H. Maxime | C. T. McGready |
| C. M. Palmer | J. V. Zarbo | J. V. Zarbo |
| P. R. Parson | | |
| V. S. Planeau | | |
| A. D. Powell | | |
| H. C. Pratt | | |
| R. H. Price | | |
| J. P. Putnam | | |
| E. E. Radcliffe | | |
| E. G. Rayast | | |
| W. K. Ramsey | | |
| F. L. Raymond | | |
| C. A. Rimmer | | |
| F. Bowell | | |
| J. L. Stearns | | |
| | | |

| J. C. Sargeant | P. S. Sinclair | C. P. Skinner |
| C. B. Schrame | E. Smith | H. E. Smith |
| E. J. Scott, Jr. | H. V. Seavy | G. A. Snelld |
| S. Setto | A. Shaw | W. A. Sherbrooke |
| A. Shaw | J. M. Sherman | K. Shoda |
| W. A. Sherbrooke | G. E. Shoemaker | R. R. Siegfied |
| J. M. Sherman | A. J. Silver | E. Smith |
| K. Shoda | C. L. Stone | W. T. Smith |
| G. E. Shoemaker | C. E. Storff | R. E. Travers |
| R. R. Tuthill | H. B. Tuthill | A. A. Ubelacker |
| A. A. Ubelacker | M. S. Vallarta | F. C. Vogel |
| J. Van H. Whipple | J. W. Whelan | P. B. Wendall |
| L. P. Whitten | F. H. Whelan | J. W. Whittl |
| H. O. C. Williams | H. O. C. Williams | H. O. C. Williams |
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1920

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H. W. Erickson

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W. A. Gray, Jr.
J. P. Grill
W. Jayme

A. B. Jenkins
M. E. Martinez
D. McCluskey
J. R. Perkins, Jr.

W. H. Turner

1921

W. K. Brimblecom
A. Cassanelli
C. A. Cassell
J. Cudworth
J. R. Decker
J. M. Giles

E. R. Gordon
A. D. Harvey
R. C. Johnson
H. F. Junod
K. Lee
G. H. LeFevre

W. G. Loesch
W. L. MacComb
D. M. MacNeil
H. E. McKinstrey
E. W. Noyes
F. F. Olson

1922

G. H. Buttler, Jr.
L. K. Cowie
D. J. Flesh

P. P. Knight, Jr.
K. J. Lutz
G. D. Ramsey

M. S. Peterson
J. D. Rockfeffer
H. C. Stephens
C. M. Syner

R. L. Presbery
G. B. Schureman
R. W. Smith
R. H. Smithwick
C. L. Stose

P. Reiche
P. I. Starr
H. S. Swenson
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Florence Fogler

Treasurer
Valborg Aschehoug

Secretary
Cornelia Marie Nelson

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Graduate
Nelie Jefferson

1920
Valborg Aschehoug
Florence Fogler

1921
Marion Coes
Theodora Keith
Margaret Kimball
Anne Rosenthal
Cornelia Nelson

1922
Vivien Aken
Frances Day
Martha Eiselem
Helen Harper
Elizabeth Homenway
Laura Holland
Phyllis Kraft
Helen Lord
Margaret Mall
Marjorie Pierce
Florence Stiles

1923
Gladys Farmer
Florence Foote
Gertrude Harris
Helen Miller
Muriel Smith
Stella Wolff

Special

Anna Agassiz
Mary Almy
Ruth Capen
Edith Gardner
Elizabeth Gatewood
Nancy Hale
Catherine Jones
Mildred Lauder

Mildred Wilson

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# CHINESE CLUB

## OFFICERS

<table>
<thead>
<tr>
<th>Position</th>
<th>Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>President</td>
<td>M. C. Chou</td>
</tr>
<tr>
<td>Vice-President</td>
<td>F. C. Tsu</td>
</tr>
<tr>
<td>Treasurer</td>
<td>Y. F. Lee</td>
</tr>
<tr>
<td>Chinese Secretary</td>
<td>K. C. Li</td>
</tr>
<tr>
<td>English Secretary</td>
<td>K. H. Pei</td>
</tr>
</tbody>
</table>

## ACTIVE MEMBERS

### 1920

- M. C. Chou
- K. K. Chiu
- Y. Lee
- J. A. Lo
- W. S. Lu
- W. Moy-Ding
- M. H. Pei
- Y. H. Sun
- S. L. Yang
- F. C. Tsu
- H. C. Wang
- T. F. Wei
- C. H. Yang

### 1921

- Y. F. Lee
- C. Li
- K. C. Li
- T. K. Lin
- H. Y. Liu
- S. Sectoo
- P. N. So
- K. T. Tu
- C. C. Wang

### 1922

- C. S. Chen
- C. F. Cheng
- C. T. Chien
- T. H. Chin
- F. C. Ede
- T. Ho
- H. Y. Hau
- K. C. Ku
- Y. K. Lei
- Y. H. Li
- C. F. Lo
- K. H. Pei

### 1923

- P. Y. Chan
- Z. W. Chang
- C. T. Chue
- G. Gong
- P. T. Kuc
- Z. Z. Li
- B. B. Nieh
- C. S. Mung
- T. H. Nyi
- T. B. Tiang
- H. F. Yang

## GRADUATES

- W. Y. Chiu
- K. P. Hu
- C. Y. Huang
- S. M. Lee
- Y. L. Yeh
- N. H. Leung
- H. C. Wang

## ASSOCIATE MEMBERS

- T. L. Chang
- M. F. Chen, Miss
- A. T. Kung
- Alice Wong, Miss
- T. K. Liang
- P. Moy, Miss
- W. S. Siu, Miss

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LATIN AMERICAN CLUB

Back Row: Guerrero, Macosa, Durán-Ballén, Sousa, Uribe, Arenas
Second Row: Penna, Guimaraes, Acosta, Osas, Ottolino, Prebrán, Restrepo, Yurrita, Brunner
First Row: Rodriguez, Ponce, Zubiría, Valdés, Martinez, Vallarta, Ayulo, Beeche, Padilla
Sitting: Eloula, Gomez

OFFICERS

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Marcial E. Martínez (Chile)

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Vice-President
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Sub-Secretary
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Felipe Ayulo (Peru)
CLUBS

MEMBERS

1920

Heliodoro S. Ayala ........................................... Ecuador
Francisco Lobos ............................................... Chile
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Jose Pita Geigel ............................................. Porto Rico
Bernardo Germain ........................................... Chile
O. A. Orteza ................................................... Porto Rico
Jose A. Padilla ............................................... Honduras
Carlos A. Stowhas .......................................... Chile
Alfredo de Zubiri .......................................... Colombia

1921

Alberto A. Acosta ........................................... Peru
Antonio H. Rodriguez ..................................... Cuba

1922

Gilberto Castillejo-Convers ............................... Colombia
Felipe Diaz ..................................................... Chile
Feix de Martino .............................................. Mexico
Victor Moller ................................................... Chile
Antonio T. Penna .............................................. Brazil
Luciano A. Preloran ......................................... Argentina
F. Raveca ........................................................ Uruguay
Luis P. Restrepo .............................................. Colombia
Tomas A. Subirana ............................................ Spain
Adolfo Zambrano ............................................ Colombia
H. P. Plazo .................................................... Chile

1923

Jose A. Arena .................................................. Mexico
Julio P. Arena .................................................. Mexico
A. Bruna .......................................................... Chile
Felipe E. Cadenas ............................................. Cuba
Sisto E. Duran-Ballan ....................................... Ecuador
Harold H. Eder ................................................ Colombia
Bernardo Eldoza ............................................... Mexico
J. E. Ferreyra ................................................... Argentina
Antonio M. Gomez ............................................ Brazil
Alberto Lobo Guerrero .................................... Colombia
Atualapa Guimaraes ......................................... Brazil
Fernando de la Macorla .................................... Mexico
Juan Noriega ..................................................... Spain
Roberto J. Ortonello ........................................ Argentina
Francisco Parra ............................................... Spain
Enrique Uribe .................................................. Colombia
Pedro de Yurrita ............................................ Spain

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CHAUNCY HALL CLUB

Temporary President
Warren Tebbetts Ferguson

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Rien Budaude
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Christopher Coleman Carven
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Clarence Irving Justheim

Howard Edward Lack
Yuan Lee
Ying Fen Lee
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Howard B. Stevens
Cornelius D. Sullivan
James P. Sullivan
John W. Sullivan
A. J. Tigges
Attilio R. Tonon
Lawrence J. Tracy
Joseph S. Ward
Charles H. Wenz
Julius W. Werra
Martin J. Werra
Daniel E. Whelan, Jr.
Frank H. Whelan
H. J. Williams
R. E. Winslow
CALIFORNIA CLUB

THE M. I. T. California Club was organized in 1919 to fill an ever growing need at the Institute. In view of the increasing number of men coming here every year from the various Western colleges, and the difficulty of obtaining practical information from college circulars, the Club was formed to assist men of the West, who desired to come to Tech, in procuring the best data possible on the various subjects and courses, and, in addition, the California Club will help the new men get settled and smooth the way wherever possible.

OFFICERS

President
Jackson W. Kendall

Secretary
Dale D. Spoor

Treasurer
Henry R. Haines

MEMBERS

GRADUATE STUDENTS AND FACULTY

1920

Redlands
Pasadena
Berkeley

1921

Phoenix, Ariz.
San Francisco
Alameda
Claremont
Los Angeles
Pasadena

1922

San Francisco
San Francisco
Sierra Madre
Los Angeles
Hollywood
Fresno
Los Angeles
San Francisco
Alameda
Redlands
Pasadena

1923

San Diego
Pasadena
Lamanda Park
San Francisco

H. A. Greenwald
Henry R. Haines
Jackson W. Kendall
Richard Lee
S. E. Ludden
D. G. McAllister
M. A. McClure
Den H. McCrerry
R. J. Meien
Archie L. Mock
A. Osborne
E. G. Ranke
E. L. Rose
Paul H. Rutherford
Elon Underhill

H. R. Harris
Alex Shepherd
William L. Stevart, Jr.
S. G. Walton
RIFLE CLUB

Powers  Skinner  Hawes  Kearful  Perkins

President  Munroe Chapin Hawes
Secretary  Lewis Jeroldton Powers, Jr.
Manager  Godfrey Gray Kearful

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Treasurer  Kenneth Blake White

WEARS OF THE T-CROSSED RIFLES
George Greville Haslam '15
James Sydney Stuart '17
George Reynolds Bond '19
Frank Linton Butterworth '17
Frank Charles Howard '17
James F. Fierce '21
Godfrey Gray Kearful '22
Munroe Chapin Hawes '21

WEARS OF KIT
Arthur Elmer Keating '17
Theodore Erasmus Stahl '17
Albert Edward Tuttle '17
Lewis Jeroldton Powers, Jr. '22
Robert Lewellyn Skinner '21
Arthur Norman Bambach '21
John Russell Perkins, Jr. '20

MATCHES 1918-19
Possible 1,000
Possible 500
Possible 10,000

Individual Championship Cup 1918-19
Won by Munroe Chapin Hawes '21
Second, Lewis Jeroldton Powers, Jr. '22

High Total in National Rifle Association Matches 1918-19
John Russell Perkins, Jr. Score 1,912 Possible 1,000
Godfrey Gray Kearful, Jr. Score 1,908 Possible 2,000

310
CLUBS

MEMBERS

Anna Agassiz
Vivien van Akin
Adolph B. Aland
Gunmar R. Anundsen
Robert M. Arnold
Edward A. Ash
Edward A. Averell
Richard J. Bard
Daniel P. Barnard
Tom H. Barnard
George E. Barnes
H. C. Barrett
C. B. Barton, Jr.
Harold B. Beadle
James H. Becker
Alf Bjerknes
Bjorn B. Bjornson
Horatio L. Bond
Eoin Borchervink
Stuart E. Bradford
Frederick H. Brewer
Gleason S. Bromley
Adin A. Brown
George E. Brown
August A. Bukler
T. M. Bumiller
Louis J. Caldwell
Philip Captain
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C. DuB. Carleton
Ralph D. Carleton
Anthony B. Cassidy
Myron K. Chandler
Charles A. Chase
Roger Clapp
Verne V. Cocks
John V. Cook
Joseph Cristoph
George E. Dean
Edouard N. Dube
Theodore M. Edison
Howard Field, Jr.
C. Ganahl
Ernest N. Gelotti
Charles L. Gilkeson
Roland W. Gleason
Arthur W. Graves
Harold B. Gray
John J. Gray
Pedro Gurria
Sydor Hall
Arthur C. Hampton
Paul Hanson
Theron F. Harvey
Munroe C. Hawes
Robert H. Henderson
Le Roy M. Hersam
Richard M. Homberg

H. R. Hosea
David M. Houston
Everett W. Howe
Homer V. Howes
Edward Iczay
Max L. Ilfield
F. E. Ingals
James C. Irwin, Jr.
William H. Irwin
Philip M. Johnson
Allan C. Johnston
Lawrence W. Jordan
Frederick E. Justice
Godfrey G. Kearful
Theodora Keith
Donnall F. Kelly
Henry M. Kendall
Horace J. Kerr
Hall Kirkham
Walter T. Kirley
Victor N. Kruse
Harold P. Karzman
Philip Lamotheux
Alexander J. Lapointe
Alfred Lawson
Ralph W. Leach
Howard W. Lewis
Arcu Lear
S. W. Livermore
Leon A. Lloyd
Helen C. Lord
Julian Lovejoy
G. J. Land
B. A. MacKintosh
A. D. Maclachlan, Jr.
W. H. McLean
Wayne P. McMeans
James W. McNaul
I. R. McQuilten
Frederick S. Mann
G. F. Des Marais
Eugene B. Mechinaud
Romney J. Mellen
William L. Merzbach
Alden W. Miller
Bruce M. Mills
E. R. Monasterio
Edward G. Moody
Charles C. Moore, Jr.
William D. Morrison
Clifton B. Morse
Harrison H. Mosher
Ragner E. Nass
R. A. Nebelino
Christopher B. Nelson
James Nesbit
George F. Nevers
Alexander F. Newman

John P. Nissen
Joseph C. Nowell, Jr.
Grafton R. Owens
Robert H. Park
Antonio T. Penna
Alfred M. Perkins
John R. Perkins, Jr.
E. S. Pomykala
W. F. Potter
Lewis J. Powers, Jr.
John S. Raffety
Parker C. Reed
Edwin B. Richards
T. F. Richardson
James M. Robison
Frank R. Robinson
Karl F. Rodgers
A. H. Rodriguez
Edward P. Roll
Anne Rosenthal
T. F. Rounds, Jr.
Sik Seeto
Alfred Shaw
Edward C. Shaw
W. B. Shippey
Erling Skabo
E. I. Shock
Muriel P. Smith
Norman L. Smith
Joseph Soreff
H. B. Stearns
Paul R. Stewart
William E. Stone
Charles W. Stowe
Sydney M. Strauss
Gordon W. Stuart
Lewis P. Tabor
Elizabeth Tainter
Gerald Tattersfield
O. D. Tenney
Nesmith Thompson
Henry C. Tainter
Armin A. Uebelacker
Henry Uribe
R. E. Van Gijse
William W. Vicinus
P. S. Wadsworth
Joseph S. Ward
Dale E. Washburn
Julius H. Werner
R. S. Wertheimer
Vernon E. White
Kenneth B. White
John S. Williams, Jr.
Raymond Willis
Paul Winser, Jr.
Stella Wolff
Louis F. Woodruff

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MENORAH SOCIETY

"For the Study and Advancement of Jewish Ideals and Culture"

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Secretary
Leonard Joseph Siff

Vice-President
Hyman Joshua Levensohn

Treasurer
Jerome Meier

Executive Committee
Milton M. Manshel
Arthur Winebaum

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1920
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Isadore Mandelbaum
Abraham E. Shlager

Jerome James Franck
Herman Joseph Marovitz
Max Shlager

Simon Freed
Joshua Musnitsky
James Jacob Wofson

David Julius Kaplan
Kenneth Jacob Roman
Arthur Winebaum

1921
Abraham Morris Aronson
Isaac Mandel
Elias Samuel Schiro

Samuel Brown
Goodman Mattelson
Richard J. Shaltz

Harold M. Butter
Rostmond Milton Raphael
Henry Coleman Stillman

Asher Zelig Cohen
Samuel Rubin
Myer Weissman

Harold Arthur Greenwalt
Samuel Scharlach
Hymen Albert Wexler

1922
Meyer Levi Alpert
Irving Jack Kahansky
William Schulman

Philip Caplain
Bennett H. Levenson
Samuel Melbourne Seegal

Morris Joseph Cohen
Israel Block Levine
Manuel Shampanier

Samuel Cohen
Will I Levy
Leo Shedlovsky

Sigmund Cohen
Milton M. Manshel
Leonard Joseph Siff

Solomon Julius Copelhnaan
Isaac Mark
Abraham G. Silverman

Morris Feinberg
Yolanda David Markson
Isador Joseph Silverman

Morris J. Gordon
Isadore Olesky
Max Jacob Steinberg

Meyer N. Grossman
Harry E. Rich
Sydney Martin Strauss

William Israel Horlick
Bernard Morris Rivkin
Jack A. Tishman

Oscar Henry Horowitz
Abraham Joseph Sadow
David Andrew Weill

Samuel Schmid

1923
Julian Emerson Berla
Isidore Mandelbaum
Milton Oransky

Nicholas Cohen
Alexander Karkinusk
Alfred James Perry

David James Flesh
David Kaufman
Harry Reuben Raphael

Harry Green
Richard Cuthman Kleinberger
Isador Robinson

Harry Kalker
Paul Konszt
Arthur Winebaum

312
Junior Week

Dreaming Dreams

M.F. Farren, Jr.
JUNIOR WEEK

THE WINNERS
1. P.T. Coffin '21
2. C.R. Myers '22
3. Morrice Hawes '20
4. J.H. Scott '20
5. J.D. Crosby '21

---
JUNIOR PROM

Copley-Plaza Hotel

Edward Wolcott Booth
Lawrence Wickes Conant

Mrs. Calvin Coolidge
Mrs. Henry G. Pearson
Mrs. Robert E. Rogers

Mrs. Alfred E. Burton
Mrs. Frederic J. Bawden
Mrs. Edward S. Booth
Mrs. George F. Conant

Friday Evening, April 16, 1920

1921 JUNIOR PROM COMMITTEE
Garvin Bawden, Chairman

Alexander Duer Harvey
Kenneth Reynold Sutherland
Miles Miller Zoller

MATRONS

Mrs. Charles E. Smith
Mrs. Henry P. Talbot
Mrs. Daniel C. Harvey

PATRONESSES

Mrs. Walter Humphreys
Mrs. John F. Rogers
Mrs. Reynold H. Sutherland
Mrs. James S. Zoller

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THE twenty-second annual Tech Show is a musical comedy in a prologue and two acts, entitled "Patsy," and was written by C. C. Carven '21.

The play concerns two students of Architecture at Tech, Philip Morris and Herbert Tareyton. While studying "History of European Civilization and Art" late one evening in the Rogers Building, the lights suddenly go out. Much to their surprise, as the lights gradually grow bright again they find themselves in Cleopatra's Palace at Alexandria. Here they meet many men and women famous in history, among them Julius Sneezer, Emperor of the Roman World, and Marc Antony Keezer. Marc is a forerunner of our friend Max and is in the same business, as the two students soon discover. Without the Egyptian costume of their classmates, they easily slip into the disguise of second-hand Egyptian dresses from him.

Much to the disgust of Julius and Marc are the costumes of the students, but it is natural that down upon Marc's embarrassment at the scantiness of their Egyptian clothes the two students make their début before the audience, and with difficulty explain the cause of their presence and describe their Technology On the Charles. Patsy is not slow in having plans prepared for a Technology on the Nile, as "Egypt must be foremost in education," and Murad, the Royal Architect, collaborates with the students on the plans.

Later, when left to themselves, Phil and Herb are filled with amazement at the whole business, but their little reverie is broken by Cleofan, Patsy's daughter. She succeeds in vamping Herbert, much to Philip's disgust, as he is "off that stuff." He is just a little premature, however, as he soon finds that Patsy herself is an aim worth considering.

In the meantime Antony has been thinking of how he might get rid of Sneezer, that he too might have a chance with Patsy. Rameses, an Egyptian cigarette manufacturer, offers him a solution of his problem.
Knowing that Sneezer must attend a Senate meeting on the Ides of March, they plot his assassination in Rome on that date. The details are discussed on the long-distance telephone with Brutus, head of the Roman Bolsheviks.

Now Sneezer, before his departure, wishes to win the Queen's hand, but is unfortunate in his endeavors. He is constantly interrupted just as he is about to "pop the question," which leaves him, much to Keezer's delight, in no better position than he was before. But Keezer, in turn, reckons without Rameses. He also has aspirations for the Queen's hand.
and intends to get rid of Keezer at his first opportunity. Meanwhile Sneezer, unsuccessful in his love, leaves for Rome, not waiting even to see an exhibition of the Queen's Royal Ballet, which is given in his honor.

The second act, timed a month later, depicts further the adventures of Philip and Herbert. Keezer has managed since Sneezer’s departure to tell the Queen of his love for her; but his joy is short-lived. News is received of Sneezer’s murder and also that Keezer has been blamed for it. The Roman populace are enraged and demand his death, which naturally causes him no little worry. Phil and Herbert, however, try to save him by rehearsing him in Anthony’s celebrated funeral oration, that he might deliver it to the Roman people and thus appease their anger. This done, Keezer goes to Rome.

Rameses sees now his chance to get rid of Keezer. He and his sister Zira again telephone to Rome and arrange the details for Keezer’s murder. Rameses is exultant as he can see no possible chance of his plans being disrupted, but he soon discovers he is mistaken. Patsy has singled out for her next victim our friend Philip, and when he is not supervising the work on the new Technology, he is making love to the Queen.

This naturally enrages Rameses, and for a while he and Zira are at a loss as to what to do. They finally hit on a novel plan whereby they hope to dispose of both students. Knowing that the people are anxiously awaiting the completion of this new Tech, they plan for a strike of the Bricklayers which would hold up the work. The blame would be placed on Phil and Herb, and Rameses expected the people would rise up against them. The plan works to perfection, and the students are put in jail, much to the sorrow of Cleofan, who suspects a plot. Her hopes are raised again, however, by a conversation with Helmar, Chief of Police. The policemen intend to strike, and Cleofan, realizing that the jails will be left unguarded, sympathizes with them. Meanwhile Rameses is not as fortunate as he had hoped, for Patsy refuses him when he asks her hand.

Events now move rapidly. The policemen strike,
much to Patsy's discomfort; and to cap the climax, news is brought that Keezer's ship has been sub-
marined. She is just about to kill herself with the
snake, when the students rush in and save her.
With every one else out of the way, Philip makes
his final attempt to win the Queen's hand. His
arms are about her waist. In honeyed words he
tells her how he loves her. She is just about to
kiss him—and then he wakes up.

Tech Show has been unusually fortunate this
year in securing Mr. John Craig to coach the Show,
assisted by Miss Mary Young and Mr. Harry
Gribble. Mr. Craig and his associates have given
freely of their time, and the excellent finish which
characterizes this year's production is due almost entirely to them.

As heretofore, Miss Virginia Tanner has charge of the Ballet. All of
the other branches of the Show—scenery, music, lyrics, and even cos-
tumes—have been the work of the undergraduates. The co-eds deserve
special mention for their very generous work in the making and designing
of the costumes.

Twenty-second Annual Tech Show, 1920

"Patsy"

A musical comedy in two acts and a prologue.

Book by Christopher Coleman Carven '21

Music by

Samuel V. Chamberlain '20
Frank D. Gage '22
William T. Hedlund '20

Ellsworth V. Holden '21
David M. Minton, Jr. '22
Clarence J. Muller, Grad.

Joseph H. Randall '21

Lyrics by

John G. Lee '21
David M. Minton, Jr. '22
Clarence J. Muller, Grad.
Joseph H. Randall '21

Jesse Stam '19
Amos H. Stevens '22
Albert E. Tuttle '20

Coaches

Miss Mary Young
Mr. Harry Gribble

Dancing Directress
Miss Virginia Tanner

Poster designed by
James A. Bowers '22

Score Cover designed by
Edwin I. Schock '21

321
TECH SHOW MANAGEMENT

General Manager
Percy Bugbee '20

Assistant to the General Manager
Broderick Haskell, Jr. '22

Business Manager
Richard J. Spitz '21

Treasurer
Herbert W. Smith '21

Property Manager
Hiram Y. Waterhouse '15

Publicity Manager
John G. Lee '21

Stage Manager
Stuart Nixon '21

Music Director
Wilhelm T. Hedlund '20

Scenery Director
Samuel V. Chamberlain '20

Assistant Managers

Business
Herbert C. Ham '22
Fearing Pratt '22
William D. Scofield '23
Joseph C. Nowell '23

Publicity
Otho Neil G. Williams '22
William Kirkpatrick, Jr. '23
Thomas O. Richards '23
William L. Searles '23

Stage
Herbert A. Kaufman '21
Leland K. Cowie '22
William C. Roberson '22
Harold D. Beadle '23

Property
Edward W. Booth '21

322
TECH SHOW

Munce Harlan Schmitz Gage Church
Horn Hamburger Angel Mock

TECH SHOW CAST

Cleopatra, better known as "Patsy" ......................................................... Walter J. Hamburger '21
Cleofan, her daughter ................................................................................. Parke D. Appel '22
Philip Morris ............................................................................................... Frank D. Gage '22
Herbert Tareyton ......................................................................................... Henry J. Horn, Jr. '22
Julius Sneeker, Emperor of the Roman World ............................................ Archie L. Mock '21
Marc Antony Keezer ..................................................................................... Edwin H. Schmitz '23
Rameses, a Bolshevik cigarette-maker ......................................................... Marshall G. Munce '21
Helmus, Chief of Police .................................................................................. Eugene L. Hallin '20
Mukal, the Royal Architect .......................................................................... Everett R. Harman '21
Zira, suffragist, and sister to Rameses ......................................................... John W. Church '21
Bevo, the camel .............................................................................................. Edward W. Booth '21
Slaves, Attendants to the Queen, etc. ............................................................ John A. Grimmons '21

Costumes made by

Miss Dorothea Brownell '20 (in charge)
Miss Anna Agasse `22 .................................................................................. Miss Helen Lord '21
Miss Charlotte Alling '21 .............................................................................. Miss Cornelia Nelson '21
Miss Mary Almy '20 ..................................................................................... Miss Marjorie Pierce '22
Miss Florence Fogler '20 ............................................................................... Miss Miriel Smith '23
Miss Theodora Keith '21 ................................................................................ Miss Florence Stiles '22
Miss Elizabeth Taintor '21

Scenery designed by

Samuel V. Chamberlain '20 ............................................................................ Roger Hayward '21
Charles T. Wilson '20
TECHNIQUE 1921

TECH SHOW CHORUS

Boys: Stevens, Robinson, Greenwalt, Griffith, Baker, Barry, Gurney, Layks, Johnson, Davis

Boys
Roswell H. Baker '20
Elmer L. Barry '20
Laurence B. Davis '21
Crawford H. Greenewalt '22
Harley G. Griffith '21
William B. Gurney '22
George R. Johnson '23
John N. Layks '23
Frank R. Robinson '23
Howard B. Stevens '23

Girls
Edward A. Ash '22
Adolph J. Freheit '22
William T. Honiss '20
William A. Hoops '22
William H. Leonori '21
Emil C. Linn '23
William A. Peabody '23
Walter M. Saunders, Jr. '22
Roscoe E. Sherbrooke '22
Blanchard D. Warren '22

Ballet
Will R. Anon '22
Arthur H. Earle '23
Ralph E. Ferdinand '22
John A. Frank '23
William C. Gray, Jr. '22
John A. Gimmons '21
Henry R. Harris '23
Joel D. Harvey '22
Francis M. Kurtz '22
James K. Macomber '22

John V. McCrea '22
Teodoro Quiros '21
Frank O. Rickers '22
Theodore Riegel '22
George A. Rowen '23
Arthur L. Silver '21
George W. Spaulding '21
John W. Strieder '22
William R. Taylor '23
Howell W. Tyson '20

Francis Wyeth '22

324
M. I. T. COMBINED MUSICAL CLUBS

General Manager
Frederick Luman Raymond '21

Treasurer
Wilfrid Molock Thomson '22

Assistant Managers
Edward Menier Bolding '23
Gregory Ferenbach '23
Clark Williams Hildreth '23
William Kirkpatrick, Jr. '23

OWING to the unusually large registration at the Institute this year, the call for tryouts for the Musical Clubs brought out a wealth of material. The services of Mr. G. Robert Langer were obtained as coach for the Glee Club, and the splendid work done by this organization throughout the year has evidenced the wisdom of the choice.

Rehearsals began in October and the first concert was given at South Braintree followed by the Annual Concert at the Franklin Square House. The next affair at Lynn on the 26th of January served as a dress rehearsal for the Winter Concert on the 30th. The latter was the most pretentious of its kind ever given by the Clubs. The management was able to secure the Princess Ball Room at the Hotel Somerset in addition to the main Ball Room and about four hundred couples were present at the dance, while the attendance at the concert was over nine hundred. At this time the Musical Clubs were beginning to show their real caliber, with the result that the concert was a great success.

Following the Winter Concert came concerts at the Arlington Men's Club and at the Winchester Town Hall. Owing to the uncertainty of the Alumni Associations, the plans for the Annual Spring Trip had to be changed somewhat, but the Clubs were cordially received wherever they went and the concerts were well up to the standard of the winter entertainment. The Spring Concert was also given at the Hotel Somerset, where a large and enthusiastic audience heard a well-balanced program.

The Clubs were unfortunate in losing the services of General Manager Landis '21, at the beginning of the second term. F. L. Raymond '21 was elected to his position and took up the work where Landis left off.

Under the capable leadership of H. O. Davidson '20, the Glee Club and the Glee Quartet did especially good work while the Banjo Club under Merrill Knox '20, and the Mandolin Club under J. R. Hotchkiss '21, did splendidly. Special praise is due Frank Gage and his Specialty Act for the "pop" and variety which it added to the program. Great credit is also due the management for the very satisfactory financial showing made by the Clubs during the season.

326
Glee Club

Back Row: Rogers, Spoor, Grover, Nichols, Johnson, Hazard, Lund, Lloyd
Third Row: McConnell, Davis, Williams, Knight, Baldrige, Rodriguez, Vahberg, Hill, Leland, Beckett
Second Row: Travers, Fiske, Whitaker, Couch, Davidson, Conant, Burke, Braaten, Knight
Sitting: Perkins, Peterson, Hildreth, Littlefield, Church, Maudell, Harrison

Hobart Oakes Davidson, Leader
Lawrence Wickes Conant, Assistant Leader

First Tenors
William Acton Hoops '22
Abbott Livingston Johnson, 2d '22
Ashley Guilley Knight '22
Edward Gane Clark '22
Harry Howland Fiske '21
Karl Jetter '21

Second Tenors
Edward Gane Clark '22
Harry Howland Fiske '21
Karl Jetter '21

First Basses
Frederick Steele Blackall, Jr. '22
Isgaard Theodore Braaten '20
Frank Adelbert Fletcher '22
Bruce Falconer Rogers '21

Second Basses
Estes Russell Baldrige '21
John Wheeler Church '22
Laurence Wickes Conant '21
Samuel Parker McConnell '22

Glee Club Quartet
Hobart Oakes Davidson '20
Harry Howland Fiske '21

Antonio Helier Rodriguez '21
Edward Herant Tverz '23
Walter Theodore Vahberg '22
Robert Leathen Land, Jr. '22
Edgar Stuart Russell '21
Frank Alva Travers '20
Clayton Deimont Grover '22
Clark Williams Hildreth '23
Martin Samuel Peterson '21
Hobart Oakes Davidson '20
Frank Nickerson Houghton '22
John Louis Liecty '22
Clark Williams Hildreth '23
Walter Theodore Vahberg '22
Mandolin Club

Back Row: Siegfried, Miller, Falls, Richards, Perkins, Adams, Besse, Levin, Fiske
Third Row: Hall, Price, Brash, Johnston, Lund, Beekman, Willard, Carroll, Wilson, Norton
Second Row: Alder, Clement, Isley, Breed, Hotchkiss, Pollock, Baldwin, Winkfield, Boldog
Sitting: Nims, Lord, Redway

James Rowland Hotchkiss, Leader
Charles Alfred Breed, Assistant Leader

First Mandolins
Henry du Post Baldwin '21
Charles Alfred Breed '21
Franklin Groves Clement '21
James Roland Hotchkiss '21

Second Mandolins
Thomas Wilson Alder '22
Hamilton Judson Bickford '23
Edward Menner Boldig '23
Reginald Sexton Hill '22
Allan Charles Johnston '22

Third Mandolins
Theodore Wallace Adams '21
Roderic Leslie Bent '20
Julian Eugene Brash '22
Lee Wingate Carroll '22

Guitars
John Louis Lichten '22
Rudolf Robert Siegfried '22

Flöten
Ralph Henry Price '21

Mandoline
Ellsworth MacNab Wilson '22

Technique 1921
Banjo Club

Back Row: Norton, Hassold, Bent, Moore, Wendler, Levin, Field
Third Row: Allen, Silver, Adams, Bickford, Alder, Falls, Neitake, Miller
Second Row: Pollock, Neiley, Breed, Knox, Bartholomew, Sarge, Wilson
Sitting: Boldig, Bradley, Isley

Merrill Bernard Knox, Leader
John Rilman Bartholomew, Assistant Leader

First Banjos
Merrill Bernard Knox '20
Dwight Elliot Stagg '22
Ellsworth MacNaul Wilson '22

Second Banjos
Harold Lester Levin '21
George William Pollock '21
Paul Bernard Wendler '21

Third Banjos
Norman Isley '21
Edmund Huddleston Miller '23

Cyde Arthur Norton '21

Five-String Banjos
Oscar Frederic Neitzke '21
Frank Percival Reynolds '20

Piano
Frank Dana Gage '22

Jazz Band

Violin
Leslie Daniel Price '22

Saxophone
Bruce Falconer Rogers '21

Cello
Harold Burbree '20

Traps and Xylophone
Edmund Jared Themmo '22

Piano
Frank Dana Gage '22
THE M. I. T. ORCHESTRA

Back Row: Perkins, Myers, Thomas, Mooohreer, Hendrie, Matarese
Second Row: Farmer, Nathan, McGorum, Gurney, Lavedan, Daesen, Case
First Row: Weinberg, Shepard, Winkfield, Sunwalt, Reinhard, Raphael, Starbuck, Willis, Pennypacker
Strings: Hardin

OFFICERS

President
Herbert W. Reinhard
Manager-Treasurer
Robert L. Sunwalt
Librarian
Leo Weinberg

MEMBERS

First Violins
R. L. Sunwalt, Concertmaster
J. R. Wolf
E. D. Lord
C. A. Clark
A. D. Matarese
H. Kurth
J. R. Daesen
R. D. Stuart
R. M. Raphael
W. B. Gursey
W. B. McGorum
L. N. Brown
J. Mooburger
S. H. Waldron
E. Smith
R. E. Hendrie
P. F. Lavedan

Violins
C. Statuck
H. S. Winkfield
E. G. Farrand
L. Weinberg
J. A. Pennypacker
R. W. Hemenway

Cellos
G. Nathan
G. J. Leewitz
A. S. Myers
R. L. Luedt
L. N. Brown

Clarinetts
J. Mooburger
S. H. Waldron
E. Smith
R. E. Hendrie
P. F. Lavedan

Flutes
J. P. Borland
O. L. Perkins
W. V. Morgan

Cornets
G. E. Farmer
L. M. Gentleman
S. E. Travis
J. Shepard
H. Harper

Baritone
E. W. Willis

French Horn
W. G. Hodges
W. A. Case

Trombones
E. J. Wolf

Saxophones
E. R. Thomas
I. F. Chambers
M. A. Young

Piano
A. H. Fischer

Director: Mr. J. G. Cowley

330
Dormitory Committee

DORMITORY EXECUTIVE COMMITTEE
Chairman
Robert Insley
Treasurer
Robert Theodore Pender
Secretary
Creighton Boyd Stanwood
Murray Morrison Whitaker
Fred Ernst Zurwelle

STUDENT DORMITORY COMMITTEE

ATKINSON
Donald Judd Swift '21
Verne Vertis Cocks '22
Richard Henry Frazier '23

NICHOLS
Dayton Talmage Brown '21
Frank Perkins Knight, Jr. '22
Gerald Irving Carper '23

HOLMAN
Jerome Joseph Collins '21
Arthur Isley Bradley '22
August Peter Manning '22

RUNKLE
Robert Laird Turner '21
Thomas Henry Gill '22
Alfred James Perry '23

Member-at-Large
Creighton Boyd Stanwood

It is the custom in this annual recital to draw comparison with the past. Precedent must not be ignored. The Dormitories have this year for the first time been unmarred by military garb of any kind. When first the Dorms opened and the student battalions were in operation,
each pleasant afternoon saw an array of embryo officers stepping out for their drill. Following this, the Naval Aviators requisitioned the plant and occupied it until last winter, when it was again released for peaceful pursuits. This year militarism is taught on a strictly vocal plan, and the Dormitories are at peace, at least sartorially.

The summer session disclosed no organized social activities, but that there were social activities was testified by the heterogeneous flock of automobiles herded in our front yard, and by the general exodus of expectant-looking youths each evening.

During this year the best traditions of the past have been followed and improved upon. The national indoor pastime of dancing has interfered with many otherwise peaceful evenings, "and a very pleasant time was reported by all." This year the Dance Committee adopted a program considerably more extensive than any previous. In February there was put on a special entertainment in the form of a Mardi Gras with all the customary features and several additional decorations. This is by far the most elaborate affair that has taken place in Walker Memorial, and was in itself evidence of the untiring activity of this year's Dance Committee. Informal dances were given to celebrate almost every holiday, legal and illegal, a particularly hilarious one accompanying Hallowe'en.

A very successful smoker was given in February. Some combustibles were furnished by the committee, and no smoking instrument was barred, not even the aromatic corncob. The Dormitory Jazz Orchestra, local talent capering, and the usual speeches diverted attention from ordinary troubles.

Athletics consisted, as in former years, of bowling and baseball. Not enough candidates volunteered to make up second teams, but the first team from each section bowled every week. A number of individual high scores were made, and what the teams lacked in marksmanship they made up in vigor. A baseball team is planned for spring. The weather last year did not permit a regular schedule, but any clear day when twelve or more men could be lured out to an open lot a match game was held. We are hoping for more regularity this spring. Dormitory baseball, informal as it is, unencumbered by convention as to personnel, equipment, or terrain, may be expected to cause many a hearty sleep and ill-prepared lesson. Basket-ball has been agitated. So far the demand exceeds the supply. Basket-ball must await the provision of an adequate court, which in turn must await a good many things.

This tale of Dormitory activities must not be concluded without mention of "Mac," officially Superintendent McCafferty, unofficially the Dormitory shock-absorber for complaints from both directions. Since the Dorms were put in commission "Mac" has been in charge. His careful management, his desire to bring conveniences within easy reach of the inmates, the prodigal lending of his hammer and nails and morning paper, and his chronic good-nature have in no small way contributed to our general happiness.
## Fraternity Statistics

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THE GREEK LETTER FRATERNITIES

at the Massachusetts Institute of Technology arranged in the order of their final establishment.

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Sigma Chi
Alpha Theta Chapter—Established 1882
FRATER IN FACULTATE
DeWitt Clinton Croissant
FRATRES

1918
John Alston Clark
    Brainerd Alden Thresher
Oswald Camman
    Albert Batchelder Clarkson
    Fredrick James Hopkinson
George Bliss
    Edwin Sharp Burdell
    William Morton Breakey Freeman
Waldo Adams
    Henry Seymour Colton
    Cardus Levon Ekebergian
    Harold Nelson Ewartz
    Donald Stuart Laughlin
    Kenneth Thomas Lavelle
Will Rice Amont
    James Beyler Brinkerhoff
    Edward Came Clark
    Francis George Davidson
    Joel Demetrios Harvey
Hall Kirkham
    John Nicholas Luykx

1919
John Wheeler Clarkson
    Edward Samuel Farrow
    Dirk Jacobus Luykx

1920
Charles Henry Kligger
    John Daniel Rockafeller
    Eugene Wallace Sloan
    John Ronald Leslie
    Samuel Evans Morton, Jr.
    William Daniel Morrison
    William Henry Fredrick Rose
    Simeon Edmund Travis
    Richard Philip Windisch

1921

1922

1923
George Hartwell Ludlow
    Harry Eugene Rockefeller
    William Ryland Beall Scott
    Randall Edward Spaulding
    Thomas Madison Taylor

Clarence James McDonough, Jr.
    Daniel Clemens Sayre

532 Beacon Street, Boston
# Theta Xi

## Chapter Roll

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Theta Xi
Delta Chapter—Established 1885

FRATRES IN FACULTATE

Henry Greenleaf Pearson
John Arnold Rockwell
Harrison Washburn Hayward
Charles Augustine Chayne

FRATRES

1918
Milton Albert Loucks

1919
Perry Bush Byrne
Arklay Seymour Richards

1920
Theodore William Bossert
Frederic Channing Bowditch, Jr.
Newell Arthur Grover
Homer Vernon Howes
Andrew Ture Johnson
Arthur Stanley Littlefield
Clyde Arthur Norton
Martin Samuel Peterson
Edward Earl Saunders

1921
Channing Nichols Baker
Andrew Dugald Macalchan, Jr.
Maurice Garthwaite Townend
Donald Atherton Robbins
Raymond Anthony Snow

1922
Richards Johnson Bard
Laurence Warren Codding
Stanley Denton Hartshorn
Samuel Norris Williams Huff
Jean Lepicier
Fearing Henry Morris
Woodworth Northey Murray
John Alden Plimpton
Lewis Jeroldton Powers, Jr.
Robert Pritchard Ramsey

1923
Harold Van Fossen Harper
Herbert Leroy Hayden

406 Marlborough Street, Boston
Delta Psi

CHAPTER ROLL

Alpha ........................................ Columbia University
Delta ......................................... University of Pennsylvania
Epsilon ....................................... Trinity College
Lambda ....................................... Williams College
Sigma ......................................... Sheffield Scientific School, Yale
Upsilon ...................................... University of Virginia
Tau .............................................. Massachusetts Institute of Technology
Delta Psi
Tau Chapter—Established 1889

FRATRES

1918
John Coleman Purves
Fraser Muir Moffat, Jr.

1920
William Barrows Peake
James Hamilton Scott, Jr.
Kennedy Pope
Merritt Harrison Taylor

1921
Benjamin Fisher, Jr.
Fairfield Eager Raymond
Decker Gordon McAllister, Jr.
Palmer Scott
Edgerton Merrill
Otis Hibbard Trowbridge

Thomas Henry West, 3d

1922
Everett Cathcart Brown
Arthur Edmund Pew, Jr.
Homer Lenoir Ferguson, Jr.
Russell Robb, Jr.
William Edwards Otis
Thomas Earl White
Gerald Church Pearce
Habert Lefehvre Williams

1923
Edward Bancroft
Theodore Miller Edison
John Lewis Brill
Joseph Cornell Nowell, Jr.
Jonathan Brown, 3d
Dale Purves

Palmer Cosset Puinam

428 Charles River Road, Cambridge
Chi Phi
Established at Princeton 1824

CHAPTER ROLL

A  University of Virginia          University, Va.
B  Massachusetts Institute of Technology  Cambridge, Mass.
C  Emory College                   Oxford, Ga.
D  Rutgers College                New Brunswick, N.J.
E  Hampden-Sydney College         Hampden-Sydney, Va.
F  Franklin and Marshall College   Lancaster, Pa.
G  University of Georgia           Athens, Ga.
H  Rensselaer Polytechnic Institute Troy, N.Y.
I  Ohio State University           Columbus, Ohio
K  University of Wisconsin         Madison, Wis.
L  University of California        Berkeley, Calif.
M  Stevens Institute of Technology Hoboken, N.J.
N  University of Texas             Austin, Tex.
S  Cornell University              Ithaca, N.Y.
O  Yale Sheffield Scientific School New Haven, Conn.
P  Lafayette College                Easton, Pa.
Q  University of Illinois          Champaign, Ill.
S  Amherst College                 Amherst, Mass.
X  Dartmouth College               Hanover, N.H.
A  Ohio Wesleyan University        Delaware, Ohio
F  Lehigh University               South Bethlehem, Pa.
O  Georgia School of Technology    Atlanta, Ga.
Chi Phi

Beta Chapter—Established 1890

FRATRES

1920

Prentice Durfee Ash
James Lomax Clark
Archie Prentiss Cochran

Rodman McClintock
James Lloyd McGuigan
Edward Tiffany Van Deusen

Philip Sec Young

1921

Anthony Anable
Clarence Eldred Baker Coleman
James Rowland Hotchkiss

Francis Bowen Kittredge
Donald Wolf Randolf
Alfred Boyd Wason

1922

Howard Frazier Baldwin
Lawrence Harold Connell
Robert Saunders Coupland
John Fargason Falls

Ellsworth MacNaulil Wilion

1923

Milton Birch Barba
John Magee Boislevain
Dubney Herndon Maury, Jr.
Henry Cowdin Lay Miller, Jr.

Foster Nichols Perry
Henry Yates Satterlee
John Redford Sheffield, Jr.
Allard Mayo Valentine

John Hamilton Zane
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Established 1844—Yale University

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Delta Kappa Epsilon
Sigia Tau Chapter—Established 1890

FRATRES IN FACULTATE
Alfred Edgar Burton
Walter Humphreys
Maurice DeKay Thompson

FRATRES

1918
Ellsworth Vincent Holden

1919

1920
Frederick Augustus Brooks
Bartholomew Francis Casey
Herbert Gordon Fales

1921
Garvin Bawden
Hunter Everett Gardner
Edmund John MacDonald

1922
Paul Albrecht Bray
Harold Raymond Boyer
Frank Marcel Didisheim
Joseph Howard Flather
Batist Ritzinger Hauelson
John Timothy Heffernan, Jr.
Watts Sherman Humphrey

1923
Franklin Groves Clement
Winthrop Knowlton Coolidge
Herbert Heselson Flather

104 Charles River Road, Cambridge
Phi Beta Epsilon

Local at Technology—Established 1890

ALUMNI ASSOCIATIONS

Boston
Chicago

New York
Northern Ohio

California

350
Phi Beta Epsilon
Local at Technology—Established 1890

FRATRES IN FACULTATE
Howard Foster Clark
Gordon Ball Wilkes

FRATRES

1920
Douglas Riley Buchanan
Alan Wollison Barke
Herbert Reedy Dorr
Roger Gambee Mossrop
Louis Ernst Wyman
Alfredo de Zubiria S.

1921
William Robert Barker
Lansing Taylor Carpenter
Ralph Edmund Ferdinand
Henry Neuman Landis
Arthur Warren Norton

1922
Thomas Wilson Alder
Eben Hayward Baker
Donald Fell Carpenter
William Albertus Caustlwell
Frederick Nathan Dilson, Jr.
John Arnold Farrer, Jr.
Henry Clifford Gayley
Joseph Kemp Godfrey
Einar Augustus Hanson
Felix de Martino, Jr.
Ernest Nugent May
Fearing Pratt
Holland Russell Smith
Charles Starbuck, Jr.
Othneill Glanville Williams

1923
Hamilton Judson Bickford
Charles Alan Brantingham
Lester Stanley Champion
Gregory Ferenbach
William Edward May
Walter Baldwin Murdoch
Herman Fay Pike

400 Charles River Road, Cambridge
# Delta Upsilon

Established 1834—Williams College

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<td>Kansas</td>
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- Established 1834—Williams College
- Chapter Roll
- Schenectady, N.Y.
- Clinton, N.Y.
- Amherst, Mass.
- Cleveland, Ohio
- Waterville, Me.
- Rochester, N.Y.
- Middlebury, Vt.
- Brunswick, Me.
- New Brunswick, N.J.
- Providence, R.I.
- Hamilton, N.Y.
- New York City
- Oxford, Ohio
- Ithaca, N.Y.
- Marietta, Ohio
- Syracuse, N.Y.
- Ann Arbor, Mich.
- Evanston, Ill.
- Cambridge, Mass.
- Madison, Wis.
- Easton, Pa.
- New York City
- South Bethlehem, Pa.
- Tufts College, Mass.
- Greenscute, Ind.
- Minneapolis, Minn.
- Cambridge, Mass.
- Swarthmore, Pa.
- Berkeley, Calif.
- Stanford University, Calif.
- Lincoln, Neb.
- Montreal, Can.
- Toronto, Can.
- Chicago, Ill.
- Columbus, Ohio
- Champaign, Ill.
- Seattle, Wash.
- State College, Pa.
- Ames, Ia.
- Lafayette, Ind.
- Bloomington, Ind.
- Pittsburgh, Pa.
- Middletown, Mass.
- Lawrence, Kan.
Delta Upsilon
Technology Chapter—Established 1891

FRATRES IN FACULTATE

Louis Derr
Fred Mortimer Green
Frank Vogel
Paul Willard Norton
Rafus Cook Reed

FRATRES

1920

Walter Jay Beadle
Frederick William Boley
Vaughn J ohnnet Byron
Norman Dawson
David Lewis Fiske
Philip Ebling Haebler
John Crandon Nash
John Nolen, Jr.
Moses Bernard Pike
Howell Newbold Tyson
Lawrence Winant

1921

Henry duPont Baldwin
Roderic Leslie Bent
Edward Millard Howard
Charles Thomas Jackson
Irving Daniel Jakobson
Alexander Morrison McMorran

1922

Hamilton Beattie
James Alan Bowers
Leland Kinsey Cowie
Reginald Sexton Hall
Willard Dean Lesher
JohnLouis Liecty
Arthur Evan Meling
Rollin Francis Officer
William Watson Russell
Thomas Elwell Shepherd
Dale Dewey Spoor
Robert Kelly Thulman
Raymond Lincoln Vaughn
Frank Chaffee Vogel

1923

Malcolm Birch Beattie
Howard Dickson Hackett
Henry Roy Harris
George Richard Johnson
Benjamin Philbrick Lane
Frank Miller
William Alden Peabody

526 Beacon Street, Boston
Sigma Alpha Epsilon

Founded in 1856 at the University of Alabama, Tuscaloosa, Ala.

CHAPTER ROLL

**Province Alpha**

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**Province Epsilon**

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Sigma Alpha Epsilon
Massachusetts Iota Tau Chapter—Established 1892

FRATRES IN FACULTATE

William Thomas Hall
Norris Greenleaf Abbott, Jr.
Myron Harrison Clark
Frederick Steele Blackall, Jr.
Edward Wolcott Booth
Herbert Cogswell Button
Edward Parkinson Clark
Clark Dwaine Greene
John Aldrich Grimmens
Alexander Duer Harvey
George Wambaugh Heathman
Sanford John Hill
Parke Danwiddie Apel
Thomas Nicholas Berlage
Sidney Miles Birdell
Edward Menier Bolding
James Beal Beeland
Joseph Humphrey Chadbourne, Jr.
Frank Dana Gage
William Hudson Laag
Charles Donald McIntosh
Harold Irving Beadle

1920
James Wallace Gibson
Robert Patterson
Harold Frierson Hunter
Leigh John McGee
Earl Henry McRobbie
William Rosner Matthews
Edward Adams Mead
Christopher Bertelson Nelson
George William Pellock
Bruce Falconer Rogers
Ralph Walds Wood
Sanford Daniels Leland, Jr.
Duncan Robertson Linley
Charles Tolbert McGrady
Foster Moore Post
Van Dora Cranford Smith
Wilfred Murllock Thomson
Donald Elbra Walch
Roy Dietric Snyder
Charles Henry Trelle

1921

1922

1923

484 Beacon Street, Boston
355
**Delta Tau Delta**  
Established at Bethany College, 1859

**CHAPTER ROLL**

**Southern Division**

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Eastern Division

Alpha
Gamma
Nu
Rho
Tau
Upsilon
Omega
Beta Lambda
Beta Mu
Beta Nu
Beta Omicron
Beta Chi
Gamma Gamma
Gamma Epsilon
Gamma Zeta
Gamma Nu
Gamma Omicron
Gamma Sigma
Gamma Phi

Allegeny College
Washington and Jefferson College
Lafayette College
Stevens Institute of Technology
Pennsylvania State College
Rensselaer Polytechnic Institute
University of Pennsylvania
Lehigh University
Tufts College
Massachusetts Institute of Technology
Cornell University
Brown University
Dartmouth College
Columbia University
Wesleyan University
University of Maine
Syracuse University
University of Pittsburgh
Amherst College

Delta Tau Delta
Beta Nu Chapter—Established 1889

FRATRES IN FACULTATE

Raymond Donald Douglas
Philip Reed Morss

FRATRES

1920

Henry Millet Blank
Minor Millikin Beckett
Robert Ivan Bradley
Kenneth Seymour Moorhead Davidson

Edward Ellis Scofield

1921

Estes Russell Baldridge
Trevor Otto Moorhead Davidson
Elmer William Davis
Laurence Berry Davis
Edward Edwards
Everett Radcliff Harman

Edward Vaughn Jones
William Henry Leonori, Jr.
Donald Graham Morse
Clinton Arthur Newton
Wilford Seitz
Dwight Elliot Stagg

Paul Bernard Wendler

1922

Wallace Alexander Anderson
Morris Miller Bauer
Lawson Tisdale Blood
Albert Jesse Browning
George Dewey Goddard
Henry John Horn, Jr.
Cecil Haskins Hubbard
Winslow Corson Morse

Walter Mills Saunders, Jr.
Dexter Nichols Shaw
Warren Don Sherman
Webster Batchelor Shippey
Charles Wheeler Springer
Arthur Hutton Vignoles
Bertram Anton Weber
Ronald Henry Winde

Frank Oliver Bond-Nelson
Kenneth George Crompton
Josiah Richardson Elliott, Jr.

James Arthur Henderson
Clark Williams Hildreth
Frank Foster Hobson

Roscoe Harwil Smith

4 Ames Street, Cambridge

357
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---

**Phi Gamma Delta**

Iota Mu Chapter—Established 1889

**FRATER IN FACULTATE**

Henry Paul Talbot

**FRATRES**

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Lyman Perley Whitten

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491 Commonwealth Avenue, Boston
Phi Sigma Kappa
Established 1873—Massachusetts Agricultural College

CHAPTER ROLL

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Phi Sigma Kappa

Omicron Chapter—Established 1902

FRATRES IN FACULTATE
Charles Blaney Beed
Edward Furber Miller
Frederick George Kyes

FRATRES

1920
Richard Hawkins Gee
Armand St. Martin Kreeger
James Harrop
Stephen Allan Merselis
Wilford Priess Hooper
John Russell Perkins, Jr.
Arthur Roberts

1921
Charles Bradford Barton, Jr.
Victor Clarence Hassold
Josiah Morton Briggs
Lawrence William Jordan
Vernon Clark Cole
Raymond Guy Lefean
John Morse Giles
Leon Albertus Lloyd
Harold Dean Grisswold
Julian Lovejoy
Philip Exton Guckes
Norman Friebie Patton
Henry Langdon Halterman
Robert Edward Waterman
William Hoyt Young

1922
Ralph Walter Hemenway
Robert Prescott
Walter Dale McCrea
Hilary Sanford Swenson
Amiley Newman
Frank Robert Robinson
Eliot Underhill

1923
Cymus Lawrence Day
Arthur Wesley Graves
Edward Campbell Vernon

517 Beacon Street, Boston
Theta Chi

Established at Norwich University, 1856

CHAPTER ROLL

A  Norwich University  ........................................ Northfield, Vt.
B  Massachusetts Institute of Technology  .......... Cambridge, Mass.
G  University of Maine  ........................................ Orono, Me.
Δ  Rensselaer Polytechnic Institute  .......... Troy, N.Y.
Z  New Hampshire State College  .......... Durham, N.H.
H  Rhode Island State College  .......... Kingston, R.I.
O  Massachusetts Agricultural College  .......... Amherst, Mass.
I  Colgate University  ......................................... Hamilton, N.Y.
A  Cornell University  ......................................... Ithaca, N.Y.
M  University of California  .......... Berkeley, Calif.
Ξ  University of Virginia  .......... Charlottesville, Va.
Ο  Richmond College  ......................................... Richmond, Va.
Π  Dickinson College  ......................................... Carlisle, Pa.
P  University of Illinois  ................................ Urbana, Ill.
Σ  Oregon Agricultural College  .......... Corvallis, Ore.
Τ  University of Florida  .......... Gainesville, Fla.
Τ  New York University  ........................................ New York, N.Y.
Φ  North Dakota Agricultural College  .......... Fargo, N.D.
Χ  Alabama Polytechnic Institute  .......... Auburn, Ala.
Ψ  University of Wisconsin  .......... Madison, Wis.
ΔΒ  University of Pittsburgh  .......... Pittsburgh, Pa.
Theta Chi
Beta Chapter—Established 1902

Fratres in Facultate
Hale Sutherland
Frank Clark Hoyt

Fratres
1918
Dana Avery Barnes

1919
Arthur Friedrich Kaupe

Ernest George Bangratz
Harold Whitney Bibber
Charles DuBois Carleton
Braddock Judson Clark
William Tibbits Honiss
Howard Field, Jr.
Frank Watson Lawton

1920
Stephen Mead Lee
John Wood Logan, Jr.
Alden Williams Miller
Gerald Tattersfield
Robert Wilson Tirrell
Robert Peverell Warriner
Kenneth Blake White

Robert Walker Barker
Clyde Allen Benson
Samuel Tilton Drew
Curtiss Tarring Gardner

1921
Edmund Irving Howard
Victor Nason Kruse
George Frank Lord
John Thomas Rule

John Wyman Shepard

William Faulkner Atwood
Lewis Newton Brown
Ronald Dalrymple Brown
George Travel Boli
Crawford Hallock Greenewalt

Arnold Flint Taylor

1922
Robert Lay Hallock
Howard Edward Hanson
Franklin Hall Marmon
Harry Leslie Pearson
Francis Wheeler Spalding

1923
John Allan Abbott
Sherwood Isbell Berger
William Lansingh Freeman

Arthur Raymond Holden
Theodore Whitman Kenyon
Richard LaRoy Nims

161 Bay State Road, Boston
363
Phi Kappa Sigma

Founded at the University of Pennsylvania in 1850

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Phi Kappa Sigma

Alpha Mu Chapter—Established 1903

FRATRES IN FACULTATE

Dugald Caleb Jackson  
Bailey Townshend  
William Hultz Walker  
Walter Lucius Whitehead

FRATRES

1920  
George Henry Burt  
Charles Joel Farist  
Dugald Caleb Jackson, Jr.  
Edgar Reynolds Smith

1921  
Allen Drew Addicks  
Paul Nathaniel Anderson  
Charles Aubauge Cassell  
Fred Russell Eugene Dean, Jr.  
Winter Dean  
Donald Wentworth Kitchin  
Albert Kruse  
Thomas Carlton Rowen  
Reginald Hammerick Smithwick

1922  
Robert Melville Arnold  
Fred Jackson Burt  
Ellis Howard Dennett  
Walter Bridges Driscoll  
Barrett Grout Hindes  
George Lockhart Baum  
John Frederick Robinson  
Girard Boyce  
Blanchard Dominick Warren

1923  
Hoyt Skerman Griffith  
Philip Abbot Herrick  
Philip Richardson  
Mahlon Kemmerer Quealy  
Andrew Eisen Vaughan

203 Bay State Road, Boston

365
## Alpha Tau Omega

Founded at Virginia Military Institute in 1865.

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<td>Missouri Gamma Rho</td>
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<td>Missouri Delta Zeta</td>
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**Alpha Tau Omega**

Beta Gamma Chapter—Established 1885

**FRATRES IN FACULTATE**

| Charles Francis Park | George Edmund Russell |

**FRATRES**

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<tr>
<td>David Paul Brown</td>
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<td>William Theodore Hedlund</td>
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<td>Samuel Fletcher Chalfin</td>
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<tr>
<td>Hurley Gray Griffith</td>
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<td>William Riley McKeen, Jr.</td>
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<td>Howard Cushman Mandell</td>
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<td>William Warin Bainbridge</td>
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<tr>
<td>Harold Addison Burbank</td>
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<tr>
<td>George Buttler</td>
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<td>John Wheeler Church</td>
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<td>Edwin Hodges Arnold</td>
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<tr>
<td>Harry Clark Barrett</td>
</tr>
<tr>
<td>John Whithber Barrows</td>
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<tr>
<td>Frederick Henry Bush</td>
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Gordon Welling Stuart

37 Bay State Road, Boston

367
# Theta Delta Chi

Established 1847

## Charge Roll

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Theta Delta Chi
Theta Deuteron Charge—Established 1890

FRATRES IN FACULTATE
Nathan Richard George, Jr.             Erwin Haskell Schell

FRATRES
1917
Clarence Cochrane

1918
James Marion Bugbee             Willard Earl Imhoff

1919
Adolph Frederick Spiehler

1920
Herman Broockmann, Jr.             Archibald Hendrie Kinghorn, Jr.
Harold Bugbee                       Donald Ball McGuire
Percy Bugbee                        William Emil Meissner
Harold Beidler Caldwell            Austin Southard Myers
Fontinelle Scott Carpenter          Henry Russell Murphy
Henry Carvill Haskell               John Chester Wilson
Augustus Sherrill Houghton          William Earl Zimmerman

1921
Lincoln Barrett Barker             Henri Pell Junod
Ivan Fleming Chambers               George Howard LeFevre
Lawrence Wickes Conant              Fred Myron Rowell
Josiah Denton Crosby                Lucian George Schillingen
Roger Henderson Damon               Herbert Watson Smith
Marshall Hayden Winchester

1922
Charles Harvey Edwards             Herbert Coleman Ham
Robert Dane Foster                  Frank Perkins Knight, Jr.
William Brewster Gurney             Keble Perine
Jasper Bennett Willsea

1923
Samuel Charles Dearstyne            Charles Samuel Keevil
Clarence Thomas Mower               Kensell Williams

334 Harvard Street, Cambridge
Lambda Phi

Local at Technology — Established 1906

ALUMNI ASSOCIATION . . . . . . . . . NEW YORK
Lambda Phi

Local at Technology—Established 1906

FRATRES IN FACULTATE

Harry Chandler Stearns  Benjamin Burrows Tremere, Jr.

FRATRES

Jean Edgar Beique  Lawrence Haskell Barnham
George Augustus Beeche  Earle Chester Fairbrother
Herbert Walter Best  Walter Albert Sherbrooke
Granville Byam Smith

1920

1921

Vladimir Dixon  Edward Wood Jackson
Edward Crippen Layng  Melvin Charles Rose

1922

Farris Baldwin Briggs  Haywood Perry Cavarly, Jr.
Harold Sevier Clements  Roscoe Ernest Sherbrooke
James Linklater Truskow 3d  William Evans Williams, Jr.
Hemekiah Allen Wescott

1923

John Aldrich Dow  Charles Townsend Ludington

493 Commonwealth Avenue, Boston
Lambda Chi Alpha
Established at Boston University, 1912

ZETA ROLL

Alpha Zeta .................................................. Boston University
Gamma Zeta .................................................... Massachusetts Agricultural College
Epsilon Zeta .................................................... University of Pennsylvania
Zeta Zeta ........................................................ Pennslvania State College
Iota Zeta ......................................................... Brown University
Lambda Zeta ...................................................... Massachusetts Institute of Technology
Beta Zeta ........................................................ University of Maine
Sigma Zeta ....................................................... Rutgers College
Pi Zeta ............................................................ Bucknell University
Theta Zeta ....................................................... Cornell University
Omicron Zeta ..................................................... University of California
Mu Zeta ............................................................ Washington State College
Nu Zeta ............................................................. Rhode Island State College
Chi Zeta ........................................................... Dartmouth College
Rho Zeta ........................................................... Louisiana State University
Kappa Zeta ....................................................... De Pauw University
Iota Zeta .......................................................... University of Illinois
Lambda Zeta ...................................................... Alabama Polytechnic Institute
Nu Zeta ............................................................. Knuu College
Mu Zeta ........................................................... University of Georgia
Pi Zeta ............................................................. Union College
Alpha Alpha Zeta .................................................. Purdue University
Alpha Gamma Zeta ................................................. Butler College
Alpha Epsilon Zeta ............................................... University of South Dakota
Alpha Zeta ........................................................ Harvard University
Alpha Iota Zeta .................................................. Colgate University
Alpha Lambda Zeta .............................................. Northwestern University
Alpha Beta Zeta .................................................. Oregon Agricultural College
Alpha Sigma Zeta ................................................ University of Wisconsin
Alpha Phi Zeta ................................................... Cumberland University
Alpha Delta Zeta ................................................ University of Alabama
Alpha Pi Zeta ..................................................... Missouri School of Mines
Alpha Mu Zeta .................................................... University of Texas
Alpha Eta Zeta ................................................... Ames College
Alpha Nu Zeta ................................................... Oklahoma Agricultural and Mechanics College
Alpha Tau Zeta .................................................. Franklin and Marshall College
Alpha Xi Zeta .................................................... Syracuse University
Alpha Epsilon Zeta ................................................ New Hampshire College
Alpha Chi Zeta ................................................... Richmond College
Alpha Omega Zeta ................................................ Ohio University
Alpha Kappa Zeta ................................................ Wabash College
Alama Nu Zeta .................................................... Western Reserve University
Alpha Rho Zeta ................................................... Colby College
Alpha Pi Zeta ..................................................... University of Washington

Boston, Mass. .......................................................... Amherst, Mass.
Providence, R.I. ................................................... Cambridge, Mass.
Grono, Me. .......................................................... Ann Arbor, Mich.
New Brunswick, N.J. .............................................. Lewisburg, Pa.
Ithaca, N.Y. ......................................................... Berkeley, Calif.
Pullman, Wash. .................................................... Kingston, R.I.
Huntsville, N.H. .................................................... Baton Rouge, La.
Greencastle, Ind. .................................................. Urbana, Ill.
Auburn, Ala. .......................................................... Galesburg, Ill.
Athens, Ga. .......................................................... Schenectady, N.Y.
Lafayette, Ind. ..................................................... Indianapolis, Ind.
Hamilton, N.Y. ..................................................... Evanston, Ill.
Corvallis, Ore. ...................................................... Madison, Wis.
Lebanon, Tenn. ..................................................... University, Ala.
Rolla, Mo. ............................................................ Denver, Col.
Bloomington, Ind. .................................................. Austin, Tex.
Amarillo, Texas ................................................... Stillwater, Okla.
Lancaster, Pa. ..................................................... Syracuse, N.Y.
Durham, N.C. ....................................................... Richmond College, Va.
Athens, Ohio .......................................................... Crawfordsville, Ind.
Cleveland, Ohio .................................................... Waterville, Me.
Seattle, Wash. ......................................................
Lambda Chi Alpha

Lambda Zeta Chapter—Established 1913

FRATER IN FACULTATE
John Wardwell Howard

FRATRES

1920
Kenneth Fellows Akers
Laurance Elbridge Boyd
Frederick Schall Britton
Adin Allen Brown
Philip Sewall Brown
Harmon Bridwell Deal

George Frank Gokey, Jr.
Robert Faint Lewis
Mundan Bartlett Littlefield
Harold Wales McIntosh
Charles Chilton Moore, Jr.
Clarence Marshall Syner
Leland David Wilson

1921
Edward Sears Brown
Franklin Trimby Flaherty
Carl Wing Hammond
Paul Landers Hanson
Munroe Chapin Hawes
Erwin Robert Hermann
Frank Ellsworth Huggins, Jr.

Ralph Weston Leach
Stuart Nixon
Chester Raymond Painter
Philip Perkins Payson
Harold Charles Pearson
John Seddon
Kenneth Reynold Sutherland

1922
Stanley William Boyd
Lee Wingate Carroll
Edward Hune Clandinin
Charles King Crofton
Elmer Weston Hammond

James Forrest MacIntyre
Rodney Gordon Pettengill
Carl Winter Shattuck
Amaus Henry Stevens
Attilio Robert Tonon

1923
Harwood Bradford Brabrook

Paul Johnson Moore

Theodore Max Bamiller

398 Marlborough Street, Boston
## Beta Theta Pi

Founded in 1839 at Miami University, Oxford, Ohio

### CHAPTER ROLL

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**Beta Theta Pi**

**Beta Upsilon Chapter—Established 1913**

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**Herrick Ogden Tappan**

375
**Kappa Sigma**

Founded in 1869 at the University of Virginia, Charlottesville, Va.

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**Kappa Sigma**

Gamma Pi Chapter—Established 1914

**Frat in Facultate**

William Henry Mcdams

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512 Commonwealth Avenue, Boston

377
Zeta Beta Tau

Founded at the College of the City of New York—1898

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Zeta Beta Tau

Xi Chapter—Established 1911

FRATRES

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David J. Kaplan
Herman Marevitz
Meyer H. Naigles
Kenneth J. Roman
James J. Wollson

1921
Louis Mandel

1922
Milton M. Manshel
Yoland D. Markson
Jerome Meier
Leonard J. Siff

1923
Julian E. Berla
Sigma Alpha Mu

Founded at the College of the City of New York—1909

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<td>Tau</td>
<td>University of Alabama</td>
<td>Tuscaloosa, Ala.</td>
</tr>
<tr>
<td>Upsilon</td>
<td>University of Utah</td>
<td>Salt Lake City, Utah</td>
</tr>
<tr>
<td>Phi</td>
<td>Washington University</td>
<td>St. Louis, Mo.</td>
</tr>
<tr>
<td>Chi</td>
<td>McGill University</td>
<td>Montreal, Can.</td>
</tr>
<tr>
<td>Psi</td>
<td>University of Pittsburgh</td>
<td>Pittsburgh, Pa.</td>
</tr>
</tbody>
</table>
Sigma Alpha Mu
Xi Chapter

FRATER IN FACULTATE
Murray Philip Horwood

FRATRES
1920
William Norman Barron

1921
Harold Arthur Greenwald
Mark Valentine Hamburger
Walter Julian Hamburger

Hyman Joshua Levensohn
Harold Lester Levin
Maurice Bernard Lieberman
Arthur Lewis Silver

1922
Will I Levy

Samuel Melbourne Seegal
Sydney Martin Strauss

28 Plympton Street, Cambridge
Phi Kappa

Founded at Brown University—1899

CHAPTER ROLL

<table>
<thead>
<tr>
<th>Chapter</th>
<th>University</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alpha</td>
<td>Brown University</td>
<td>Providence, R.I.</td>
</tr>
<tr>
<td>Beta</td>
<td>Illinois University</td>
<td>Champaign, Ill.</td>
</tr>
<tr>
<td>Gamma</td>
<td>Pennsylvania State College</td>
<td>State College, Pa.</td>
</tr>
<tr>
<td>Delta</td>
<td>University of Iowa</td>
<td>Iowa City, Ia.</td>
</tr>
<tr>
<td>Epsilon</td>
<td>University of Kansas</td>
<td>Lawrence, Kan.</td>
</tr>
<tr>
<td>Zeta</td>
<td>Purdue University</td>
<td>Lafayette, Ind.</td>
</tr>
<tr>
<td>Eta</td>
<td>Massachusetts Institute of Technology</td>
<td>Cambridge, Mass.</td>
</tr>
<tr>
<td>Theta</td>
<td>Ohio State University</td>
<td>Columbus, Ohio</td>
</tr>
</tbody>
</table>

ALUMNI CHAPTERS

Chicago

Providence
Phi Kappa

Eta Chapter—Established 1918

FRATER IN FACULTATE
Frank Morris Kanaly

FRATRES

1918
Joseph Aloysius Kelley

1919
Lawrence Charles McCloskey

1920
Frank Leo Bradley
Edward Vincent Carroll
Edward Joseph Coughlin
John William Crowley
Alfred Thomas Glassett
Heland Joseph Green

Daniel Joseph Hennessy
Pierre Francis Lavedan
Charles William Maloney
James William McDonald, Jr.
Francis John McGill
John Donald Mitsch

1921
Justin Richard Curry
Andrew George Crowley, Jr.
Charles George Dandrow
Robert Charles Dolle
James Francis Downey, Jr.
William Francis Driscoll
George Francis Fyfan
Joseph Wolcott Gartland

Clement Joseph Hallinan
William Leo Hyland
Ambrose Lawrence Kerrigan
Frank Jeremiah O'Neil
Bernaard Henry Moran
John Joseph Murphy
Herbert William Reinhard
Cornelius Dermott Sullivan

1922
Edward Connely
George Henry Dyer
William Joseph Grady

Albert Joseph Hanley
Eldor John Mink
Edwin Joseph Purcell

1923
Oswald Joseph Kirchner

Howard Bernard Stevens

299 Newbury Street, Boston
383
Tau Delta Phi

Established 1910—College of the City of New York

CHAPTER ROLL

<table>
<thead>
<tr>
<th>Chapter</th>
<th>College</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alpha</td>
<td>College of the City of New York</td>
</tr>
<tr>
<td>Gamma</td>
<td>New York University</td>
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<tr>
<td>Delta</td>
<td>Columbia University</td>
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<td>Epsilon</td>
<td>Boston University</td>
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<tr>
<td>Zeta</td>
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<td>Eta</td>
<td>Massachusetts Institute of Technology</td>
</tr>
<tr>
<td>Theta</td>
<td>Tufts College</td>
</tr>
<tr>
<td>Alumni Club</td>
<td>New York City</td>
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# Tau Delta Phi

Eta Chapter—Established 1918

<table>
<thead>
<tr>
<th>Year</th>
<th>Fratres</th>
</tr>
</thead>
<tbody>
<tr>
<td>1920</td>
<td>Leo D. Kahn</td>
</tr>
<tr>
<td></td>
<td>Aaron Tushin</td>
</tr>
<tr>
<td>1921</td>
<td>Henry A. Alter</td>
</tr>
<tr>
<td></td>
<td>Sidney Featherton</td>
</tr>
<tr>
<td></td>
<td>Joseph Givener</td>
</tr>
<tr>
<td>1922</td>
<td>Joseph Greenblatt</td>
</tr>
<tr>
<td>1923</td>
<td>Joseph Levin</td>
</tr>
<tr>
<td></td>
<td>Morris N. Lipp</td>
</tr>
<tr>
<td></td>
<td>Manuel M. Green</td>
</tr>
<tr>
<td></td>
<td>William A. Swett</td>
</tr>
<tr>
<td></td>
<td>Abram E. Watov</td>
</tr>
<tr>
<td></td>
<td>Nathan Schneiderman</td>
</tr>
</tbody>
</table>

1234 Massachusetts Avenue, Cambridge.
Inter-Fraternity Conference

OFFICERS

President
John Crandon Nash

Vice-President
William Hoyt Young

Secretary
Kenneth Seymour Moorhead Davidson

Treasurer
Lawrence Wickes Conant

EXECUTIVE COMMITTEE

Warren Louis Cofren
William Morton Breakey Freeman
Count Brooke Capps
THE purpose of the Inter-Fraternity Conference is to help fraternity men to become better acquainted with each other, to regulate and control their common interests, and to furnish a link between the faculty and the fraternities and between fraternity and non-fraternity men. This is a very large scope and perhaps a little larger here at Technology than elsewhere because of local conditions.

As to the specific things that the Conference does. It has always felt that one of its big duties should be to work for betterment of fraternity scholarship. To this end a prize is awarded each year to the chapter having the best scholarship record for the past year. The prize is a clock which stays in one house only as long as that chapter maintains its first place. The faculty has been very glad to cooperate with the Conference so that the award may be perfectly fair. Inter-fraternity sports are arranged for, schedules drawn up and rules made so that each year the champion in any sport may be determined. So far, inter-fraternity sports have been limited to baseball and bowling, but an attempt was made this year to establish football and basket-ball as recognized sports. These attempts, if not successful this year, will undoubtedly prove to be within the next year. Inter-fraternity sports not only get men in the different chapters better acquainted, but give men who do not feel that they have time to go out for a Technology team an opportunity to do something in the way of athletics. The Conference takes care of the arrangements each year for a series of exchange dinners between the various chapters. These usually come once in two weeks and by the time each chapter has visited each of the other chapters for dinner, the year is over and every one feels that he knows all the other fraternity men just a little better than he would have otherwise. It is to be hoped that the precedent established this year in having a formal inter-fraternity dance will be continued in subsequent years. The dance was a very great success.

Sigma Chi
Theta Xi
Delta Kappa Epsilon
Phi Beta Epsilon
Delta Upsilon
Sigma Alpha Epsilon
Delta Tau Delta
Phi Gamma Delta

Phi Sigma Kappa
Theta Chi
Phi Kappa Sigma
Alpha Tau Omega
Theta Delta Chi
Lambda Phi
Lambda Chi Alpha
Beta Theta Pi

Kappa Sigma

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WANDERING GREEKS AT M.I.T.

<table>
<thead>
<tr>
<th>Chapter</th>
<th>Members</th>
<th>College</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alpha Chi Phi</td>
<td>Clareace Julian Muller, William Thompson Smith</td>
<td>Trinity College</td>
</tr>
<tr>
<td>Alpha Delta Phi</td>
<td>John Fuller Austin, Jr., Howard Herrold Turbull, Donald Dewey Williamsen</td>
<td>Dartmouth College</td>
</tr>
<tr>
<td>Alpha Kappa Sigma</td>
<td>Romney Johnson Melvin</td>
<td>Trinity College</td>
</tr>
<tr>
<td>Alpha Mu Sigma</td>
<td>Abraham Alva Otlinger</td>
<td>University of Wisconsin</td>
</tr>
<tr>
<td>Alpha Phi</td>
<td>Walter Bernard Neumann</td>
<td>University of Rochester</td>
</tr>
<tr>
<td>Alpha Sigma Phi</td>
<td>Donald Bidwell Carter, John Sheldon Merrill, Paul Carver Merrill</td>
<td>University of California</td>
</tr>
<tr>
<td>Alpha Tau Omega</td>
<td>William Besor Bowers, Jr., Elmer Wilmot Campbell, Roger Dickinson Carver, Florence MacCartur Perry</td>
<td>College of the City of New York</td>
</tr>
<tr>
<td>Beta Theta Pi</td>
<td>Charles Hall Baker, Clifford Banta, Rudolph Hens Bletter, Hubert Freeman Bernan, Spencer Walter Butler, Hobart Clark, Frank Messenger Hart, Charles Branner Schuman, Kenneth Brunner Skarden, Bradley Potter Williams</td>
<td>College of the City of New York</td>
</tr>
<tr>
<td>Chi Phi</td>
<td>John Elly Backard, Jr., Robert Bruce Parks Crawford, Edward Porter Socle</td>
<td>Stanford University</td>
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<tr>
<td>Delta Mu</td>
<td>John J. Staston</td>
<td>Boston College</td>
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<tr>
<td>Delta Phi</td>
<td>James Stewart Parsons</td>
<td>Northwestern University</td>
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<tr>
<td>Delta Pri</td>
<td>Hubert Lefebore Williams</td>
<td>caso School of Applied Science</td>
</tr>
<tr>
<td>Delta Tau Delta</td>
<td>Charles Wheeler Sprinker</td>
<td>Northwestern University</td>
</tr>
<tr>
<td>Delta Epsilon</td>
<td>S. W. Blackett, Robert Arthur Eckles, Harold Dunx Herron, Ephraim Fletcher Ingalls</td>
<td>University of Washington</td>
</tr>
<tr>
<td>Kappa Alpha</td>
<td>Harold Edgar Ditloch, Harry Pepton Field, J. C. Googins, Frederick Livingston Hesly, Warren Every Howland, Charles Dennis Kalmbach, Jr., Charles Kerr, Jr., Denton Massey, Joseph McKay Spears</td>
<td>University of Washington</td>
</tr>
<tr>
<td>Kappa Sigma</td>
<td>Charles Henry Bradley, Roscoe Hartwell Hysom, Forest Wayne Sanders, George Edward Taylor</td>
<td>University of Washington</td>
</tr>
<tr>
<td>Phi Beta Delta</td>
<td>Samuel Rutenberg, Samuel Schenberg</td>
<td>University of Washington</td>
</tr>
<tr>
<td>Phi Delta Pi</td>
<td>Samuel Vance Chamberlain, Gustav Henry Diehmann, Karl Ernest Geisthen, Mahlon Artman Hartley</td>
<td>University of Washington</td>
</tr>
<tr>
<td>Phi Delta Theta</td>
<td>Samuel Vance Chamberlain</td>
<td>University of Washington</td>
</tr>
</tbody>
</table>

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### Phi Delta Theta
- Ira Payne Jones
- Dana Ewart Kepner
- Harold Raymond Kepner
- Harris Birdsell McIntyre
- Ernest William Maddocks
- Donald Charles Stockbarger
- Lyall Love Stuart
- Harold Robert Ten Eyck
- Arthur Goodhue Wakerman
- William De Gauntill Williams
- Harry Minnick Witherow

- Vanderbilt University
- Ohio Wesleyan University
- Ohio Wesleyan University
- Colby College
- Colby College
- Northwestern University
- University of Washington
- Colorado College
- University of Wisconsin
- Brown University
- Pennsylvania College

### Phi Epsilon Pi
- Julian Eugene Bash
- David Guthman

- Georgia School of Technology
- University of Georgia
- University of Oregon
- Worcester Polytechnic Institute
- University of Maine
- University of Washington
- University of Pittsburgh
- Pennsylvania College
- University of Kansas
- Marion Suttoro Sanders
- Washington and Lee University
- Norwich University
- Case School of Applied Science
- Pennsylvania State College
- University of Missouri
- Vanderbilt University
- Lafayette College
- University of Colorado
- Columbia University
- University of Minnesota
- Pennsylvania State College
- Pennsylvania State College
- University of Michigan
- University of Washington
- Miami University
- Lowell Textile Institute

### Phi Gamma Delta
- Harold Haschke Cake
- Thomas Buell Card
- Ernest Davis Crosby
- William Richard Hainsworth
- Lewis Le Roy Hill
- Horace J. Kerr
- Leo Rossinger Kahar
- Marion Suttoro Sanders

- Case School of Applied Science
- Pennsylvania State College
- University of Missouri
- Vanderbilt University
- Lafayette College
- University of Colorado
- Columbia University
- University of Minnesota
- Pennsylvania State College
- Pennsylvania State College
- University of Michigan
- University of Washington

### Phi Kappa Delta
- Jason Tolles Beckford

- Case School of Applied Science
- Pennsylvania State College
- University of Missouri
- Vanderbilt University
- Lafayette College
- University of Colorado
- Columbia University
- University of Minnesota
- Pennsylvania State College
- Pennsylvania State College
- University of Michigan
- University of Washington
- Miami University
- Lowell Textile Institute

### Phi Kappa Psi
- Arthur Ishley Bradley
- Albert William Demmler
- Herbert Conrad De Staehle
- Ageron Francis Flournoy
- Walter Jayne
- Eugene Burdine Macpling
- Albert Stuart Rairden
- Lamar Randall
- Howard John Roberts
- John Henry Teeter
- Charles Theros Van Duen
- Charles Williams

- Davidson College
- University of California
- Dartmouth College
- Bowdon College
- Bowdon College
- Ohio State College
- Colorado Agricultural College
- Case School of Applied Science
- University of Michigan
- Columbia University
- University of Washington
- Carnegie Institute of Technology
- Drury College
- University of Maine
- University of Pennsylvania
- University of Wisconsin
- University of Illinois
- Alabama Polytechnic Institute
- Delaware College
- Georgia School of Technology
- College of William and Mary
- University of Wisconsin
- Oregon Agricultural College
- Syracuse University
- Worcester Polytechnic Institute
- University of Virginia
- University of Rochester
- University of Virginia
- Colby College
- Columbia University
- Tufts College
- University of California

### Phi Kappa Tau
- Edmund Dale Ayres

- Georgia School of Technology
- Georgia School of Technology
- Alabama Polytechnic Institute
- Georgia School of Technology
- Miami University
- Lowell Textile Institute

### Pi Kappa Alpha
- John Valentine Cook
- Arthur Bell Craig
- Willard M䓑tsser Mobley
- Starke Mertin Sluathen

- University of Pennsylvania
- University of Michigan
- University of Kansas
- University of Wisconsin
- University of Washington
- Miami University
- Lowell Textile Institute

### Pi Kappa Phi
- James Raymond Morton, Jr.
- Ernest Moody Best

- University of Pennsylvania
- University of Michigan
- University of Kansas
- University of Wisconsin
- University of Washington
- Miami University
- Lowell Textile Institute

### Pi Upsilon
- Thomas Patterson Campbell
- Louis Burton Dennett
- Philip Marshall Johnson
- Clifton Benjamin Morse

- University of Pennsylvania
- University of Michigan
- University of Kansas
- University of Wisconsin
- University of Washington
- Miami University
- Lowell Textile Institute

### Sigma Alpha Epilon
- George Wainwahgh Heathman
- Charles Donald McIntosh
- Hugh Frederick Peirce
- Ralph Leonard Volk

- University of Pennsylvania
- University of Wisconsin
- University of Washington
- Miami University
- Lowell Textile Institute

### Sigma Nu
- James Stewart Doubleday
- Sydney Hall
- Samuel Paul Johnston
- Francis Harvard Littell
- Robert Mines Littlefield
- Samuel Parker McConnell
- Irving Kellogg Peck
- William Washington Quarriles, Jr.
- Robert Llewellyn Sunwalt

- University of Pennsylvania
- University of Wisconsin
- University of Washington
- Miami University
- Lowell Textile Institute

### Sigma Phi Epilon
- Ruy Cooke Burrell
- Eugene Van Baren Van Pek, Jr.

- University of Wisconsin
- Oregon Agricultural College
- University of California
- Lowell Textile Institute

### Sigma Phi
- Charles Henry Muhlenberg, Jr.

- University of Wisconsin
- Oregon Agricultural College
- University of California
- Lowell Textile Institute

### Sigma Tau
- Leo Edwin Johnson
- Roy Jacob Diesenbach

- Syracuse University
- Lowell Textile Institute

### Theta Alpha
- Stanley Bryan Braggin

- University of Virginia
- University of California
- Lowell Textile Institute

### Theta Chi
- John Major Nalle
- Jasper Bennett Willard

- University of Virginia
- University of California
- Lowell Textile Institute

### Theta Delta Chi
- Willoughby Devin Gendry
- Harvard Ederan Moore

- University of Virginia
- University of California
- Lowell Textile Institute

### Zeta Psi
- Walter Vincent Morgan
- Lawrence Goodhue Kopes
- Lewis Emerson Spear

- University of Virginia
- University of California
- Lowell Textile Institute

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And now you can scan the pages
Where Mirth and Humor prevail,
So join in the fun free-heartedly,
Lest all our efforts should fail.

"Laugh and the world laughs with you,
Weep and you weep alone";
And the one who can laugh at the knocks
Is the one that avoids the hone.

O ye Freshmen that appear so innocent,
And you Sophomores steeped in sin,
Juniors that have survived the Heat,
And Seniors nearly out of the din;
You professors with your stale old jokes,
And the assistants devoid of fun,—
If we get your pet goat in passing,
Remember that the truth harmeth none.

Let the spirit of give and take,
Even if your panning should be rough,
Render to your injured mind and soul
An appreciation of this stuff;
For we knock on a constructive basis,
As knocking at times does good,
So Woe to him who doth forget
"Real Humor is better than food."
Much interest is being shown in the new course in distilling, which now forms a part of the curriculum.

Prof. George—Which is right, Hurley, the former or the latter method?

Hurley—The former.

Prof. George—Which is the former?

Hurley—I don’t know.

We’ll Say So

Barker—She has the rep. of being some siren.

Junod—That’s nothing. You ought to hear Conant after he gets to sleep.

A New Kind of Movie

W. T. R.—Is that going to be a military science lecture to-night?

W. H. J.—No. They are going to show illustrated movies.
Christian Scientist—Is your father a scientist?
Freshman—No. He is an insurance agent.

Heard at Tech Nite

"Who was that on the phone?"

"Some one calling Scotty Wells. He wanted to get the keys to Walker Memorial from Scotty, so that he could run a smoker for himself."

Helen—I heard you out there. What was it that Jack said before leaving that tickled you so?

Gertrude—it wasn't anything he said.

Naturally

Shugrue (in accounting)—Upon what does the strength of a company rest?
Student—Its assets.

Medically Speaking

'21 (in report writing)—What about the appendix?
Prof.—For Heaven's sake, wait until we finish the body of the report and then we will take up your appendix and also the heads as well as their general features.

Force of Habit

Prof.—Mr. Windisch, will you please see me at five?
Dick (half-asleep from excessive study the night previous)—Sure, I will see you and raise you five.
Courses

ECONOMICS
I'll serve dinner this trip.

HYDRAULICS
Gurgle, gurgle, click! click!

ACCOUNTING
But—kind sir!

EYE
Oh, I wish I were back again.

MECHANISM

ORGANIC

395
The Whole Class Was There

Prof. (elucidating method of staying)—Now if we had two guys at C.

Frosh—Say, Prof., how long could I live without brains?
Prof.—Well, that remains to be seen.

Muses

I sometimes wonder how it would feel to be a laborer and only have to work eight hours a day or how the electric light companies could stay in business if it were not for Tech men.

At Wellesley

Prof. (the old maid)—When I was a young girl, I used to sit in the parlor to entertain my young gentlemen callers.
Prof. (ditto)—That’s why you are still sitting there.

Expert Mechanic

The other day one of the members of our faculty had difficulty in starting his car and after working for over an hour on the engine discovered that the gasoline tank was empty. This was no less a personage than our own Walter Humphreys, professor in mechanism. Impracticality is his middle name.
GRINDS

Prof. — Here Mr. Whoo-oo, you carry
the instrument during the
exercise. In— by the way,
it's worth about $150.

CRUNCH
RATTLE

Tape

G'bye, tape!

Hey—You!
Come back with
that stake!

Honk Honk

Zowie! That sure was
one close shave. I wish
this instrument was in—

Prof.

Clarence (after having focussed on
other end of Harvard Bridge)
— Pass! Hey, Charlie! Look at
this one. Oh boy! Some baby!!

LEF ME SEE!
14,000 CHAINS

SURVEYING
Tony Anable (rounding corner at approximately 72 per) — Hear those cylinders knocking?

Companion — 'Tain't the cylinders. It's my knees.

Very Good, Eddie

'21 — I want a good book for Heat. What would you recommend?
Cooper — Well, we have a Goodwin and Goodenough, both of which are considered to be very good, and Goodenough, in my opinion, is good enough for any good student.

Eventually, Why Not Now?

A melodrama in two acts. Short and Snappy.

Act The One

Time — Bedtime
Place — Right near there
Oldtimer — Well, what course are you going to take?
Frosh — I came here to do some hard work, so think I'll take II.

Act The Two

Time — Overtime
Place — Replace
Oldtimer — How yuh making out?
Soph (formerly Frosh) — Fine. Found out that the cultural side of engineers is neglected, so changed to XV.
“Hot Stuff!” he sighed, and then he cried:

“Oh, Damn that course in Heat!
Of all the courses I ever took,
That never could be beat.”

Here’s to old Triple E,
Long may she wave
With an adiabatic sin curve
O’er each sinner’s grave!

Prof. L . . . e (illustrating the theory of crushing)—Now if I break this piece of chalk into two pieces, I do just twice as much work as if I break it into one piece.

Unanimous Agreement

Capps (at news-staff meeting)—You news men remember, now, that we have to have some readable material for The Tech.

Oh, Gentle Knock

Dewey—Why is the par of exchange for German money quoted at four marks?
Rundlett—I don’t know.
Dewey—I can’t blame you much. The most intelligent of men have been unable to explain it [Rundlett’s face beams with pleasure], but of course, Mr. Rundlett, your ignorance is not a sign of intelligence. Exeunt.

She Meant a Tank

Naval Officer—I would like very much to show you one of our tugs of war.
She—Oh, yes. I saw one, Field Day.
The Atavistic Maid

Listen, Sweetheart, to my plea.
Cut this highly cultured game.
All this fine gentility
Grows to be exceedingly tame.
What I want is low-brow love,—
Heavy, knockdown, caveman stuff.
I'm no cooing turtle-dove.
Treat me rough, kid,
Treat me rough.

Can the soft and weepy sighs.
Choke the meek and humble pose.
I'm no cut-glass raffle prize.
I'm no fragile little rose.
Grasp me with a pythian grip.
If I struggle, call my bluff.
Want my love? Then take my tip—
Treat me rough, kid,
Treat me rough.

I don't want my cheek caressed
With a soft and gentle peck.
Yank me wildly to your chest;
If I fight you, break my neck.
Please don't be a gentle dub.
Woo and win me with a club.
Treat me rough, kid,
Treat me rough.

In the Coop

"How much are those collars there?"
"Two for a quarter."
"How much for one?"
"Fifteen cents."
"Give me the other one, please."

She—I thought that I told you to come after supper.
He—That's what I came after.
Very Easy

Louie Derr—You make a few substitutions in the formula, then perform a few simple mathematical operations and arrive at the desired result.

Student—Do you think that the angels in heaven have sex?

Prescott—No. They would not be angels if they did.

Ode to 1920

Six hundred little Freshmen entering the State;
Midyears came along, and thirty got the boot.
Five-seventy little Freshies still left alive;
When the year ended there were five-forty-five.

Five hundred and forty Sophs working like slaves;
Twenty passed away, due to Derr’s light waves.
Four-seventy of the fittest still hope to get through;
See to it, fellows, that the Dean doesn’t get you.
The girl stood in the moonlight,
The world lay stretched below,
And all the sky was peaceful,
As the gentle zephyrs did blow.

The world was quiet and silent.
Far on the plain so wide
The girl was on the cliff alone,
Nor did she try to hide.

Our Li'l Nell

The stars that twinkled in the sky
Shone like balls of fire,
And sent a message of love to her
That stilled her heart's desire.

The girl is quite imaginary,
So if you have read this through,
Remember others have read it too
And are quite as dumb as you.

Wait a Minute

"I was just about to propose"
"This is so sudden."
"That we go to a show"
"I love musical comedies."
"When the check comes from home."

Freshman (in centre of bridge)—Hey! Going over the bridge?

Automobilist—Hell, no! Think I am going up the river?
Wanted: A Technology graduate who can work beer percentages on a slide rule. Must be accurate to the fourth decimal place.

All Technology Smoker

Himself: Gentlemen, I am president of the T. C. A., but inasmuch as I am also chairman of the smoker committee I will allow Mr. Kepner to speak for the T. C. A.

Passer-by—My young man, don't you know that you will never catch anything in the Charles?

Pledge—Yes, I sure do. As long as I fish here, I don't catch anything. If I stop I do.

Fright-Seeing at the Prom

Be sure to show your house guests the following points of interest around the Institute:
1. The Dudley Street Express.
2. Our Tech co-eds (guaranteed not to arouse jealousy).
3. The Chemical Labs. (where slavery still exists).
4. Dean Burton’s office (famous as a scene of wonderful debates where even the mightiest fall).
5. The Hairless Wonder (that world-famous prof. who has not a mustache or goatee).
6. Monte Carlo, Jr., alias “Dorms” (announce your visit beforehand, as you may surprise a session of the “Royal Order of Domino Gallopers”).
Look Who's Here

One guess as to the identity of the brave toreador throwing the bull. You guessed it. No other personage than our own Eddie Miller, B.S., A.S.M.E., Royal Order of Life Savers, etc. His faithful second, "Kid" Berry, can be seen on the side lines grasping the adiabatic tail of the bull, whose name is "Old Entropy" in English, corresponding to "Galloping Dandruff" in Spanish. The score is 1-0 in favor of Eddie. Come on, Eddie.

What's Going On in Boston

Friday, November 14
Boston Jesters, Supper, 12:30 A. M., Midnight, Copley Plaza.
Tech. Infantry Conference Dance, Louis XIV Ball Room, 8 P. M. to 2 A. M., Somerset.

Some Military Ball!

We sent our staff photographer out after a picture of this year's leading lady in Tech Show. We submit for your approval the picture he turned in. We say "approval," for we take that much for granted. Did we fire him? I'll say we did. Oh, of course we kept the picture and phone number also. The office will be open all of next week.
Lengthy and Shorty

Freddie Britton, the big and mighty Senior, is shown here with Red Bousis, the little Freshman. The question is, Would you rather be large than small, or vice versa? Fred maintains that, in view of the price of clothes, the smaller the better, while Red claims that it is better to spend a few simoleons and be seen. Both are right.

Ye Olden Days

“I went to a wooden wedding last night.”
“Why, what is a wooden wedding?”
“Two Poles got married.”

O Death, Where Is Thy Sting?

Prescott—The only thing that will excuse any one from this theme is pure unadulterated death.

Slipped From “Other Fraternity Men at Tech”

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News Item: One of the ex-members of Technology's class of 1922 is now working for the State. Road-building, which constitutes part of the course in Highway Engineering, is occupying most of his attention.
After passing thru the gay care-free period of the innocent freshman...

and the worrying sophomore year... and the oppressive bitter days of the junior...

and the heart-rending, desperate, despairing moments of the dignified senior...

... till you believe you will look like this ere you plough into the world...

But on the last day you get your degree — WE ONLY GET IT ONCE IN A LIFETIME — BUT WHEN WE DO — GEE!! HOW WE ENJOY IT——

---

PROF. SEDGWICK ARGUES FOR ROCKING CHAIRS FOR JAPAN

Colonel Green, with $40,000 worth of liquors stored away, shows that he has put by something for a long dry spell, as well as having laid up something for a rainy day.

"Boy," says the Colonel.
'21—If the Dean doesn’t take back what he said this morning, I am going to leave college.

'22—What did he say?

'21—He told me to leave college.

General Pershing (in Independent)—Wellesley is a Paradise for girls. To which might be added, “and for some Tech men.”

Damon and Pythias

The English and Mathematics Departments.

A Story Without Words

Peabody (after getting the answer he wanted)—Well, why didn’t you say that in the first place?

Williams—Why, I thought that you knew that.

Wellesley ’20—Do you know why I won’t marry you?

Tech ’23—I can’t think.

Wellesley ’20—You guessed it.

ALL THE PROFS. HAVE THE RIGHT SPIRIT

“The professional spirit puts the work above the man.”
"Hope the illness amounts to something! I've got writer's cramp now from signing checks!"

"Pa"

"Ma"

"That poor dear boy! I really think that they are pushing him too hard. Why, in his last letter, he said—"

"Dearie"

"Goodness, how popular Oswald must be with his professors! Why, only last night he told me—"
P. B. (haranguing lyric writers for Tech Show)—What do you fellows say to getting some snappy new ditties for the Show this year?

Course IV (member of the life-modelling class)—Ye gods! Has Tech Show come to "nudities" also?

Prof. Park—If you get these principles in your head, you've got it all in a nutshell.

Senior—Where did you get the black eye?

Frosh—I told the conductor that I was travelling on my face and he punched the ticket.

**VOGEL SEES HIS DREAMS COME TRUE**

**211-2 Quarts 2.75 Beer Needed to Produce Jag**

**Sells Half of His Royalty to Bradley Company for $58,000.00.**

**ST. LOUIS, Nov. 12—Six authority of alcohol and its effe**

**EDDIE MILLER AS HE LOOKS TO A COURSE XV MAN.**
Heat Lecture

411
Truthful Louie

Prof. Derr—The charge would act on me, the table or any other piece of furniture.

"Yes, sir. I kiss my wife every morning and night. Why don't you do something like that?"

"When is your wife at home?"

"Hello. Can you tell me—hic—where is the opposite side of this—hic street?"

"Why, right over there, of course."

"Aw, gwan. A fellow over there just told me that this was it."

Too many co-eds at Tech will cause the dropping of the "s" in slipstick.

Dyke (with pleasant memories of former years)—I think that Tech Nite will be very wet.

Moore—Yes. Isn't it funny how it always rains on Field Day!

THIEVES ROB COOP
Negroes Steal $50 Worth of Goods At Technology Branch

PS. The chickens have gone home to roost.

ENDOWMENT DRIVE WILL START SOON

President Maclaurin and General Du Pont After Successful Campaign in New York and Middle West. Go to Indiana.

TWO MONTHS AFTER THE CAMPAIGN STARTED +
GRINDS

TECHNIQUE

00—TECH 0

We therefore take great pleasure in challenging you to a football battle, a fight to the finish, to take place at 4 o’clock on Tech Field, November 12, 1919.

Till the day of your death.

TECHNIQUE 1921.

(Signed) R. H. SMITHWICK,
Editor-in-Chief.

Mr. R. H. Smithwick, Editor-in-Chief,
TECHNIQUE 1921, Walker Memorial,
Cambridge, Mass.

Dear Sir:—

Be assured that nothing is dearer to the hearts of the Techites than an opportunity such as your rash challenge has presented. We are prepared, not only to punish you most properly on the football field, but to perform the last rites and ceremonies over your dead bodies.

It is most pleasing to note that each issue of our paper has acted as the red flag to the bull, and has furthered the rage of the “Sniqers.” Ask some of your Spanish friends whether it is the one who waves the flag or the bull itself that gets the worst of the fray.

The provisions for the contest as stated in your challenge are most acceptable, inasmuch as they bind you to observe all the rules of gentlemanly conduct—distasteful as it probably is to you. November 12th, 1919, then, shall be the glorious day. (A different point of view causes us to change your wording “fatal day.”)

Yours with love and devotion,

(Signed) J. H. COYLE.
Sporting Editor.

Mr. J. H. Coyk, Sporting Editor,
THE TECH, Walker Memorial,
Cambridge, Mass.

Dear Sir:—

Another year has passed by, and with the coming of fall the blood of the members of the Technique Board is surging through their veins, hot with anticipation, and instilled with the desire to inflict upon THE TECH, board and staffs, their annual trouncing. It is with great difficulty that this spirit has been restrained, as each issue of THE TECH serves only to further our rage, as the torcador urges on the bull, and makes us quiver with delight at the thought of performing the customary and traditional killing.

“Techites,” you have reason to shiver with fear, but we are merciful. Our hunger for blood increases with the square of the time, hence we set November 12, 1919 as the fatal day. We would like to treat you as gentlemen, trusting to your code of honor not to entice ringers into your ranks, but past experience and information received from our secret service department prove conclusively that you have no honor, and that you are using underhand methods to impress ineligible men into your service. You outnumber us five to one yet these odds do not seem to be enough. Therefore, considering the above facts, we must insist that you play no men who have been elected to THE TECH this fall in any capacity whatsoever, and we will pledge our honor to observe the same rule. Watch out “Techites,” our spy system is ever potent and every underhand move you make or contemplate making will be discovered. Remember two can play at every game.

Sniqers

Techites
FACTS
Award of Insignia

AWARD OF "T"
To winners of points at the annual meet of the I. C. A. A. A. and winners of first or second place at the annual meet of the N. E. I. A. A.
To scoring members of a winning cross-country team or any man making twelfth place, or better, at the I. C. A. A. A. or fifth place, or better, at the N. E. I. A. A. races.
To members of a winning relay team at the B. A. A. annual indoor games making better time than 3:10 for 1,500 yards (substitutes included).

ADDITIONAL INSIGNIA
Any student winning a "corp" in two different years in any one form of sport or in the same or different years in two forms of sport as recognized by the Advisory Council shall be granted, on event of the second win, a star to be worn in addition to the "T." Further qualification is similarly rewarded.

SPECIAL AWARD OF "T"
At the discretion of the Advisory Council the "T" may be awarded in the following cases:
To the first man in a dual or first or second in a triangular intercollegiate meet, and to the first and second in a dual, or first, second, and third in a triangular intercollegiate cross-country run.
To members of a winning team in relay races and dual or triangular cross-country runs.
To members of teams who as individuals are winners of final events in any intercollegiate championship competition.
To members of the doubles team reaching the final or of the singles team reaching the semi-final round at the annual tournament of the N. E. I. L. T. A.
To members of a team in any sport recognized by the Advisory Council who participated in not less than two-thirds of the games of one season.
To the manager of the track team.

AWARD OF "TA"
To winners of points in dual or triangular intercollegiate track and field meets.
To winning teams in outdoor intercollegiate relay races.
To the manager of the track team.

AWARD OF "CT"
To any man who makes thirtieth place, or better, at the annual cross-country run of the I. C. A. A. A., or twentieth place, or better, at that of the N. E. I. A. A.
To any point winner who makes tenth place, or better, in a collegiate dual or triangular cross-country race.
To the four men making the fastest time in the annual M. I. T. open cross-country race.

AWARD OF "OT"
To first place winners in intercollegiate gymnasmium meet teams previously applied for and approved by the Advisory Council.

AWARD OF "TT"
To the winners of singles and doubles in M. I. T. intramural championship.

AWARD OF "KT"
To point winners at the annual meet of the I. S. A. A. and at the annual N. E. I. S. Championship meet.

AWARD OF "WT"
To winners of finals in the annual championship meet of the N. E. I. W. A.

AWARD OF "T WITH CROSSED RIFLES"
To members of the outdoor rifle team who shall score 143, or better, out of a possible 150 at the outdoor competition of the N. R. A.
To members of the indoor team who participate in two-thirds or more of the competitions of one season, providing the team be placed in Class A (the first third of the competing teams).

OTHER AWARDS
The Advisory Council reserves the power to constitute automatic awards of insignia in other branches of recognized sport where the level of performance shall be adjudged to be comparable to those given above.
At its discretion, the Council may also award "TA" as follows:
To members of winning relay teams in indoor intercollegiate competition.
To winners of first place in open class meets.
To the manager: For any team, exclusive of the track team, who participate in two-thirds or more of the meets of one season, and to the manager.

AWARD OF CLASS NUMERALS
To winners of points in open class meets.
To members and manager of winning teams in any form of interclass competition recognized jointly by the Advisory Council and the M. I. T. A.
To participants on Technology Field Day as follows:
First, to members, not more than five substitutes, and manager of both football teams; second, to members, not more than two substitutes, and manager of the winning team in the relay race; third, to members, not more than two substitutes, the manager, and the counter of the winning tug-o-war team; fourth, to members, not more than two substitutes, and manager of the winning crew.
To the first six to finish of the winning class in the annual Freshman-Sophomore cross-country run.
ACKNOWLEDGMENTS

TECHNIQUE takes this opportunity to express its appreciation of the interest and assistance afforded the Editors by the faculty and undergraduates in the preparation of this volume. The Board is especially indebted to:

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The wording of the Dedication is an extract from the "Resolutions of the Faculty of the Massachusetts Institute of Technology upon the death of President Macalpin."

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## GENERAL INFORMATION

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<tr>
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<td>353 Fairfield Ave., Bridgeport, Conn.</td>
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<td>2670 Pierce St., San Francisco, Calif.</td>
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<td>1920</td>
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<td>109 Walnut St., Loomington, Mass.</td>
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<td>1921</td>
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<td>1921</td>
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<td>18 Florence Ave., New York, Mass.</td>
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<td>1921</td>
<td>X</td>
<td>224 Sants Ave., San Mateo, Calif.</td>
</tr>
</tbody>
</table>
GENERAL INFORMATION

Name | Class | Course | Home Address
--- | --- | --- | ---
McCrea, Walter Dale, ΦΚ | 1923 | VI | 3600 Macomb St., Washington, D.C.
McCreery, Don Hall | 1920 | 7 | 900 Plymouth Ave., Fall River, Mass.
McCreery, George William, S.B. | 1920 | I | New Brighton, S.L., N.Y.
McCue, George Sutherland | 1922 | X | Chestnut St., Westport, Mass.
McCullough, Fakoner Vroom | 1922 | X | 312 Mack Block, Denver, Colo.
McCullough, Mary Shirl | 1922 | X | 1238 Taylor St., Port Townsend, Wash.
McCurdy, Horace Window | 1921 | I | 28 Ad St., Auburndale, Mass.
MacDonald, Edmund John, ΔΚΕ | 1921 | I | 235 Copeland St., Brockton, Mass.
MacDonald, Handol Edward | 1921 | I | 461 Appleton St., Holyoke, Mass.
MacDonald, Hugh Douglas | 1921 | I | 24 Prospect St., Marlboro, Mass.
McDonald, James Arthur | 1922 | XV | 1280 Clay Ave., Bronx, N.Y.
McDonald, James William, Jr., ΔΚΕ | 1921 | I | 305 Everett St., Allston, Mass.
MacDonald, Joseph James | 1922 | XV | 17 Rockland St., Roxbury, Mass.
Macdonald, Ronald Gordon | 1923 | IV | Newsfield, N.H.
Macdonald, Stuart Pansley | 1923 | IV | 79 Columbia St., Albany, N.Y.
McDonough, Clarence James, Jr., ΣΔΛ | 1923 | IV | 20 Mt. Vernon Ave., Boston, Mass.
McDonough, Francis | 1920 | X | 626 S. High St., West Chester, Pa.
McFarland, David Meekson, B.ØH | 1922 | X | 626 S. High St., West Chester, Pa.
McFarland, Julian Bonsall, B.ØH | 1922 | X | 193 No. St., Rochester, N.Y.
McGill, John James | 1922 | IV | 409 Ringgold St., McKeene, Pa.
McGue, Harry Sirl | 1921 | II | 101 S Mountain Ave., Montclair, N.J.
McHale, Malcolm Stuart, ΦΓΔ | 1921 | II | 66 Pacific St., Rockland, Mass.
McCulloch, Francis John, ΔΚΕ | 1922 | XV | 16 Cooma St., Dorchester, Mass.
McGurn, William Biard | 1922 | II | 104 Highland St., Natick, Mass.
McIntyre, Charles Tomsett, ΣΔΕ | 1922 | II | 4200 Hastings St., Ed Paso, Tex.
McIntyre, John Vincent | 1922 | XV | 52 Francis St., Roxbury, Mass.
McGrath, Leigh John, ΣΔΕ | 1922 | I | 815 S. Beech St., Gasper, Wyo.
McGuigan, Joseph Loyd, ΧΦ | 1920 | APR | 609 W. 6th St., Oklahoma City, Okla.
McIntyre, Clarence Julius | 1921 | II | Center St., Burlington, Mass.
McIntosh, Alan Hemandon, ΦΑ | 1921 | II | 29 Westover St., West Roxbury, Mass.
McIntosh, Charles Donald, ΣΔΕ | 1922 | IV | 217 Remington St., Fort Collins, Col.
McIntosh, Harold Wales, ΔΧΑ | 1922 | I | 431 Great Plain Ave., Wellesley, Mass.
McIntyre, Harris Birdsell | 1922 | XII | 65 Court St., Houlton, Me.
McIntyre, James Forrest, ΑΧΑ | 1921 | III | 44 Haskell Ave., Clinton, Mass.
McIver, William Ramsay | 1923 | IV | Coldwater, Miss.
McKean, William, ΦΓΣ | 1921 | EXB | 428 S. 6th St., Ferne Haste, Ind.
McKenny, William Raymond | 1920 | II | 157 Cottage St., Ridgeport, Conn.
MacKenzie, Lachlan | 1922 | VI | Oyster Bay, L.I., N.Y.
Mckinley, Malcolm Robertson | 1920 | X | 474 Beacon St., Lowell, Mass.
McKinney, Charles | 1920 | X | 16 Allerton Rd., Rochester, N.Y.
Mckinstry, Hugh Exton, B.S. | 1921 Sp | XII | 140 Dean St., West Chester, Pa.
Mckittrick, Bertrand Allan | 1923 | I | 15 Hathorn St., Lowell, Mass.
Mckinley, Andrew Dougall, Jr., 62 | 1923 | X | 31 Mount Vernon St., Melrose, Mass.
Mckinley, Andrew, Jr., 62 | 1923 | X | 131 Pine St., Holyoke, Mass.
Mckinley, George | 1920 | X | 12 Eaton St., Wakefield, Mass.
Mckinley, William Francis | 1922 | XV | 44 Swan Ave., Lowell, Mass.
Mcewen, William Lee | 1921 | X | 11 Hawthorne St., Wobum, Mass.
Mcewen, Donald Murdock, A.B. | 1921 | III | 591 D. W. Woodruff, Indianapolis, Ind.
Mcewen, John Joseph, A.B. | 1921 | III | 217 W. High St., Mt. Giral, Ohio
Mcewen, Neil Alexander | 1921 | III | Oak Hill, New Brunswick
Mcewen, James Stanley | 1921 | III | 1024 Grove St., Evanston, Ill.
MacKee, Edward Francis, Jr. | 1921 | X | 154 W. 73d St., New York, N.Y.
Mead, William Francis | 1920 | X | 37 Hope St., Attleboro, Mass.
Mead, John Joseph, A.B. | 1921 | III | Grand Narrows, Nova Scotia
McDowell, Neil Alexander | 1921 | III | Grand Narrows, Nova Scotia
McDowell, Neil Alexander | 1921 | III | Grand Narrows, Nova Scotia
McDowell, James Stanilants | 1921 | II | 150 Glenway St., Dorchester, Mass.
Mack, Frank | 1921 | XV | 76 Clark St., Newton Centre, Mass.
Mack, Andrew Albert, 3T | 1921 | XV | Avenue Chapultepec 161, Mexico City
Mack, Earl Ewen | 1921 | I | 69 Washington St., Taunton, Mass.
Maffet, Howard Clark, B.S. | 1921 U | V | 1107 Morton Ave., Des Moines, Ia.
Maggie, Thomas | 1922 | XV | Route H., Box 358, Falm, Cali.
<table>
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**GENERAL INFORMATION**

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- **Course**: VI
- **Address**: 100 Upham Rd., Waban, Mass.
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### GENERAL INFORMATION

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Name | Class | Course | Home Address
--- | --- | --- | ---
Snell, Harold Earle | 1922 | VI | 41 Nichols St., Norwood, Mass.
Smalley, Harold Francis | 1920 | VI | P.O. Box 13, Fayville, Mass.
Smith, Charles Francis | 1924 | X | 8 St. John St., Jamaica Plain, Mass.
Smith, Charles, A.B. | 1922 | U | 4543 W. 36th Ave., Denver, Col.
Smith, Eastman | 1922 | II | Granby, Mass.
Smith, Edgar Reynolds, A.M. | 1920 | V | 1105 Franklin St., Wilmington, Del.
Smith, Edward Watson | 1922 | XIV | 38 Depot St., East Weymouth, Mass.
Smith, Eric, A.A. | 1923 | U | 41 Landows Ave., Saskatoon, Sask., Canada
Smith, Francis Le Vene | 1923 | VI | 1112 N. 30th St., Waco, Tex.
Smith, Granville Byam, A.B. | 1920 | VI | 701 W. 108th St., New York, N.Y.
Smith, William Thompson, B.S. | 1921 | U | Riverside Drive, Tuxton, E.I.
Smith, William Thompson, B.S. | 1921 | III | 12 Dartmouth St., New Bedford, Mass.
Smith, William Thompson, B.S. | 1921 | III | 26 Lansdowne Ave., Galt, Ont., Canada
Smith, William Thompson, B.S. | 1921 | III | 24 Lyons Ave., Menasha, N.Y.
Smith, William Thompson, B.S. | 1921 | III | 235 W. Brittain St., Taunton, Mass.
Smith, William Thompson, B.S. | 1921 | II | 333 S. St. Louis Ave., Chicago, III.
Smith, William Thompson, B.S. | 1921 | I | 311 Main St., Hingham, Centre Mass.
Smith, William Thompson, B.S. | 1921 | II | 138 Central St., Auburn, Mass.
Smith, William Thompson, B.S. | 1921 | I | 7 Marboro St., Belmont, Mass.
Smith, William Thompson, B.S. | 1921 | II | 240 Main St., Haverhill, Mass.
Smith, William Thompson, B.S. | 1921 | I | 138 Woodland Ave., Garden City, N.Y.
Smith, William Thompson, B.S. | 1921 | II | 405 Revere St., Winthrop, Mass.
Smith, William Thompson, B.S. | 1921 | II | 19 Union St., Livermore Falls, Me.
Smith, William Thompson, B.S. | 1921 | III | 102 Waverly Pl., New York, N.Y.
Smith, William Thompson, B.S. | 1921 | III | 31 Roth St., New Bedford, Mass.
Smith, William Thompson, B.S. | 1921 | III | 483 Beacon St., Boston, Mass.
Smith, William Thompson, B.S. | 1921 | II | 21 Larchmont St., Dorchester, Mass.
Smith, William Thompson, B.S. | 1921 | II | 74 Davis Ave., Brookline, Mass.
Smith, William Thompson, B.S. | 1921 | II | 25 Deverex St., Marblehead, Mass.
Smith, William Thompson, B.S. | 1921 | II | 19 Gage St., Needham, Mass.
Smith, William Thompson, B.S. | 1921 | I | 406 W. Oak St., Highland Park, Ill.
Smith, William Thompson, B.S. | 1921 | I | Caston, China
Smith, William Thompson, B.S. | 1921 | I | 17 Payson St., Newburyport, Mass.
Smith, William Thompson, B.S. | 1921 | I | Ulebume, Sweden
Smith, William Thompson, B.S. | 1921 | I | 15 Sheldon St., Lowell, Mass.
Smith, William Thompson, B.S. | 1921 | I | Haagok, Siam
Smith, William Thompson, B.S. | 1921 | I | 10 Bennington St., Lawrence, Mass.
Smith, William Thompson, B.S. | 1921 | I | Landbo, Mind, Sweden
Smith, William Thompson, B.S. | 1921 | I | 138W. 108th St., New York, N.Y.
Smith, William Thompson, B.S. | 1921 | I | 846 Millidge Ave., Athens, Ga.
Smith, William Thompson, B.S. | 1921 | I | 4 Rice St., Salem, Mass.
Smith, William Thompson, B.S. | 1921 | I | 800 South St., Pittsfield, Mass.
Smith, William Thompson, B.S. | 1921 | I | 12 Maple St., Auburndale, Mass.
Smith, William Thompson, B.S. | 1921 | I | Queen's Crescent, Mt. Lawley, Western Australia
Smith, William Thompson, B.S. | 1921 | I | 8301 W. Madison Ave., Cleveland, Ohio
Smith, William Thompson, B.S. | 1921 | I | 13 Grant St., Lexington, Mass.
Smith, William Thompson, B.S. | 1921 | I | 38 E. Main St., Georgetown, Mass.
Smith, William Thompson, B.S. | 1921 | I | Locust Ave., N.Y.
Smith, William Thompson, B.S. | 1921 | I | 140 Elm St., Alameda, Calif.
Smith, William Thompson, B.S. | 1921 | I | Lillington, N.C.
Smith, William Thompson, B.S. | 1921 | I | 96 Central St., Andover, Mass.
Smith, William Thompson, B.S. | 1921 | I | 111 Sturgis Ave., Mass., Ohio
Smith, William Thompson, B.S. | 1921 | I | 156 Spring St., Brockton, Mass.
Smith, William Thompson, B.S. | 1921 | I | 662 Averill Ave., Rochester, N.Y.
Smith, William Thompson, B.S. | 1921 | I | 48 Highland Ave., Roxbury, Mass.
Smith, William Thompson, B.S. | 1921 | I | 50 Thornclifke St., Brookline, Mass.
Smith, William Thompson, B.S. | 1921 | I | 15 Cookidge St., Brookline, Mass.
Smith, William Thompson, B.S. | 1921 | I | Box 27, Furnace, Mass.
Smith, William Thompson, B.S. | 1921 | I | Sherman Mills, Me.
Smith, William Thompson, B.S. | 1921 | I | 50 Marshall St., Brookline, Mass.
Smith, William Thompson, B.S. | 1921 | I | 68 Stetson Ave., Swampscott, Mass.
Smith, William Thompson, B.S. | 1921 | I | 105 Madison St., Boston, Mass.
Smith, William Thompson, B.S. | 1921 | I | 59 State St., Portland, Me.
Smith, William Thompson, B.S. | 1921 | I | 28 Mason Ter., Brookline, Mass.
Smith, William Thompson, B.S. | 1921 | I | South Lancaster, Mass.

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### GENERAL INFORMATION

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<th>Name</th>
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<td>1013 Oakridge Ave., Madison, Wis.</td>
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<td>X</td>
<td>7 Clay St., New Bedford, Mass.</td>
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<td>1991</td>
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<td>204 Common St., Walpole, Mass.</td>
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<td>1920</td>
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<td>55 Oak St., Tuantaon, Mass.</td>
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<td>301 Bay St., Tuantaon, Mass.</td>
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<td>181 Circle Drive, Waltham, Mass.</td>
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<td>Takadi, Naohito</td>
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<td>1454 Clay St., San Francisco, Calif.</td>
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## GENERAL INFORMATION

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| 1234 N. Broadway, Oklahoma City, Okla. |
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| 363 Wolcott St., Audubon, Mass. |
| 947 Cumberland Ave., Portland, Me. |
| 71 Main St., Rockville, Mass. |
| Tacuba 68, Mexico City, Mexico |
| 1329 N. Hill Ave., Pasadena, Calif. |
| 140 Virginia Pk., Detroit, Mich. |
| 118 Brookline Ave., Bexar, Conn. |
| 28 Algonquin St., Dorchester, Mass. |
| Sharp, Va. |
| 315 Harvard St., Cambridge, Mass. |
| 3944 Euston St., Cambridge, Mass. |
| 3944 Euston St., Cambridge, Mass. |
| 1154 High St., Pettsontown, Pa. |
| 72 Portland St., Providence, R.I. |
| 14 Park Vale Ave., Allison, Mass. |
| 18 Clark St., Cambridge, Mass. |
| 15 Rollstone St., Fitchburg, Mass. |
| 4242 Commonwealth Ave., Cambridge, Mass. |
| 4242 Commonwealth Ave., Cambridge, Mass. |
| 29 Greenway St., Newton Centre, Mass. |
| 3605 Westmount Rd., Ramsey, Minn. |
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Zager, Harold Louis Arnold | 1921 | X | 34 Edleston St., Jamaica Plain, Mass. |
Zambrano, Adolph | 1922 | XV | Colombia, South America |
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IN the following pages will be found the announcements of many reliable companies which have contributed materially to the success of this volume.

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AMERICAN RETREAD AND TIRE COMPANY
TIRES, TUBES AND ACCESSORIES
88 Massachusetts Avenue
Cambridge, Mass.
OPPOSITE TECHNOLOGY BUILDINGS

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FOR EVERY OCCASION

We specialize in shoes for college men

J. L. ESART CO.
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TELEPHONE CAMBRIDGE 1344
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