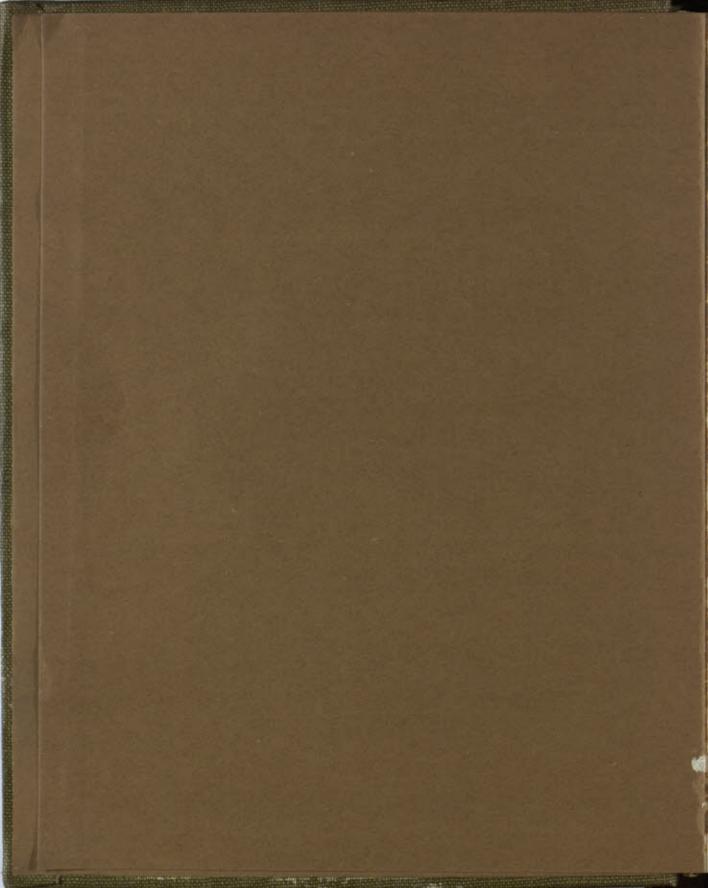


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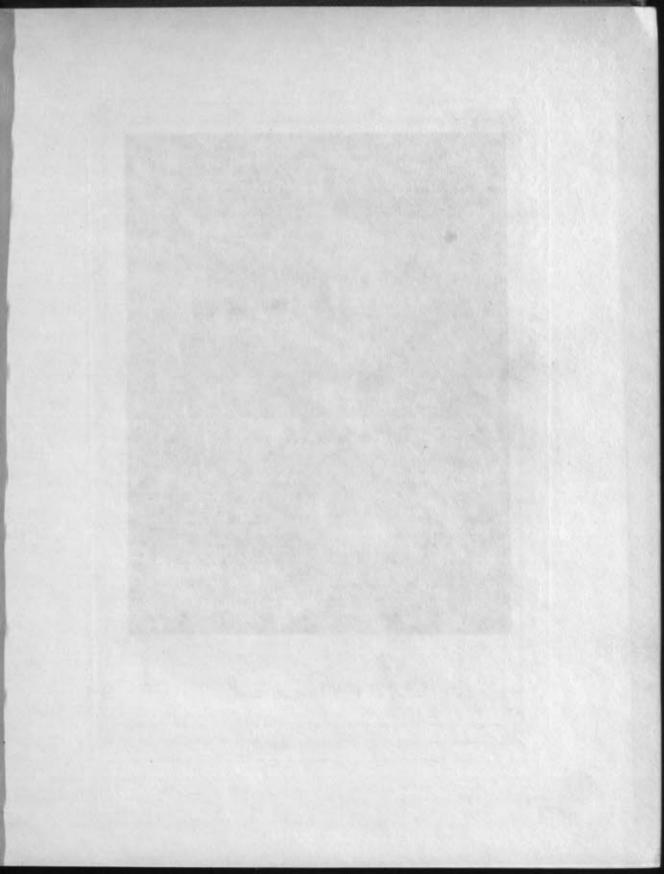
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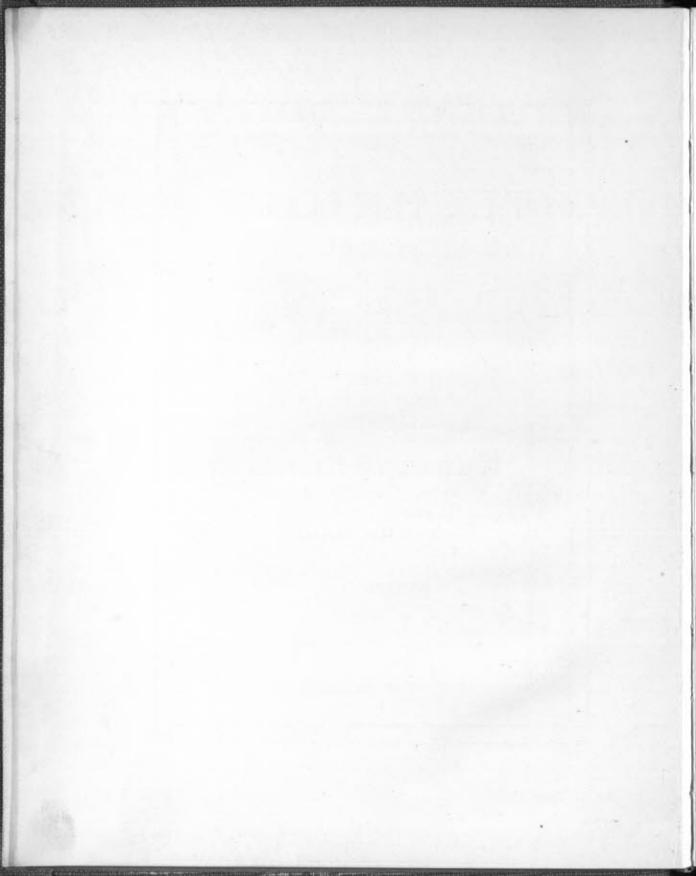
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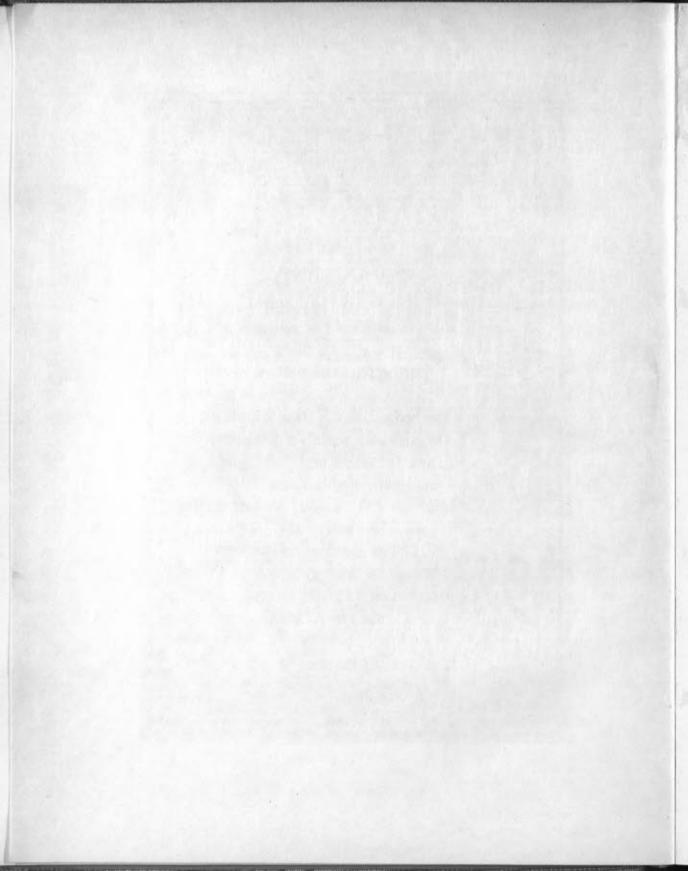
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VOLUME XXII

APRIL, 1907 :: :: BOSTON, MASSACHUSETTS









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## ACKNOWLEDGMENTS

VERY year the success of Technique depends in a large measure upon the contributions from men outside the board. The editors wish to express their gratitude to those who, by their kind assistance, have helped us in our attempt to make this twenty-second volume worthy of its predecessors and representative of Technology.

#### IN GENERAL

Many members of the Faculty, Bursar Rand, Mr. Heywood, and Staff.

#### LITERARY

Prof. Arlo Bates, K. G. Chipman, H. W. Hoole, W. F. Dolke, R. H. Allen, J. H. Ruckman, and all who contributed to the grind department.

#### ARTISTIC

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#### 1906

- May 21 Annual Examinations began.
  - 31)
  - to Commencement Exercises. (See page 275.)

#### June 5

- Sept. 26 Fall Term opens. Dr. Pritchett addresses 1910.
  - 28 Y.M.C.A. Reception to 1910 at the Union.
  - 29 Tech Dinner to 1910 at the Union.
- Oct. 1 Underclass Teams start training for Field Day.
  - 8 First call for Track Team Candidates. Annual Meeting Technology Club.
  - 12 M.I.T.A.A. Meeting. Mining Engineering Society Meeting at the Union.
  - 13 Electrical Engineering Society Meeting at the Union.
  - 15 Architectural Society Smoker at the Union.
  - 17 British Empire Association Dinner at the Union.
  - 19 Naval Architectural Society Smoker at the Union.
  - 20 Civil Engineering Society Smoker at the Union.
  - 26 Walker Club Reception at Technology Club.
  - 27 Fall Handicap Meet at the Field. (See page 169.)
  - 29 Pennsylvania Club Dinner at the Union.
  - 31 Dr. White's Lectures on Personal Hygiene begin.
- Nov. 2 1909 Dinner at the Union. (See page 236.)
  - 3 1908 Dinner at the Union. (See page 235.)
  - 8 Convocation: President Hamilton of Tufts, Speaker. 1910 Dinner at the Union. (See page 236.)
  - 9 1907 Dinner at the Union. (See page 235.)
  - 10 First Kommers at the Union.
  - 13 Mining Engineering Society Meeting at the Union.
  - 16 Field Day Technology Field. (See page 189.) Tech night at the Tremont
  - 19 Gymnasium Classes start. Professor Swain's Readings start.
  - 21 American Institute Electrical Engineers Meeting in 6 Lowell, Chemical Society Meeting at the Union.
  - 23 Civic Club Meeting at the Union.
  - 26 Cross Country Team leaves for Princteon.
  - 27 Mechanical Engineering Society Meeting at the Union.
- Dec. 1 Kommers at the Union.
  - 3 Electrical Engineering Society Meeting at the Union.
  - 7 Convocation: Dr. Henry Van Dyke, Speaker.

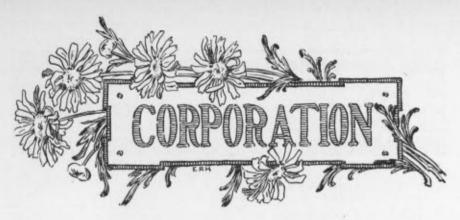
## · TECHNIQUE · 1908 ·

#### 1906

- Dec. 8 Kommers at the Union.
  - 12 Chicago Club Banquet at the Union.
  - 18 Annual Winter Concert and Dance of the Musical Clubs. Walker Club Meeting at the Technology Club.
  - 20 Mechanical Engineering Society Dinner, Copley Square Hotel.
  - 21 M.I.T.A.A. in Huntington Hall.
  - 22 Xmas Recess begins.
  - 24 Dr. Pritchett's Xmas Reception at the Union.
  - 31 Xmas Recess ends.

#### 1907

- Jan. 8 Indoor Interclass Meet at the Gymnasium. (See page 171.)
  - 9 Ohio Club Dinner at the Union.
  - 15 Semi-Annual Exams. begin.
- Feb. 5 Second Term begins.
  - 8 Architectural Society Smoker at the Union.
  - 12 Mechanical Engineering Smoker at the Union.
  - 13 First Call for Show Candidates.
  - 16 B.A.A. Games at Mechanics Hall. (See page 175.)
  - 18 Electrical Engineering Society Smoker at the Union.
  - 19 M.A.H.S. Club Meeting at the Union.
  - 20 Chemical Society Smoker at the Union.
  - 28 American Institute Electrical Engineering Meeting in 6 Lowell.
- Mar. 1 Texas Club Dinner at the Union.
  - 2 '98-'08 Kommers at the Union.
  - 7 New York State Dinner at the Union.
  - 8 Missouri Club Dinner at the Union. Tech Fences Princeton at the Gym.
  - 9 Kommers at the Union.
  - 13 Mechanical Engineering Society Smoker at the Union.
  - 15 Architectural Society Smoker at the Union.
  - 16 Kommers at the Union.
  - 20 American Institute Electrical Engineering Meeting in 6 Lowell. Chemical Society Smoker at the Union.
  - 21 Ohio Club Dinner at the Union.
  - 23 Cross Country Association run at Hyde Park. 1910 Kommers at the Union.
  - 25 Pennsylvania Club Dinner at the Union. First call for Track Men at the Field
  - 26 Instructors' Club Dinner at the Union.
  - 30 Cross Country Association run at Waban. Kommers at the Union.
- Apr. 6 Cross Country Association run at Reading.
  - 20 Annual Spring Games at the Field.
  - 24 Annual Spring Concert by Musical Clubs.
  - 25 Junior Week begins. (See page 263.)
  - 27 Pennsylvania Relay Games at Philadelphia.
- May 4 Dual Meet: M.I.T. vs University of Maine at Orono.
  - 11 Dual Meet: M.I.T. vs Brown at the Field.
  - 21 Annual Examinations begin,
- 24 & 25 N.E.I.A.A. Meet at Worcester.
- June 4 Graduation Exercises. School year ends.



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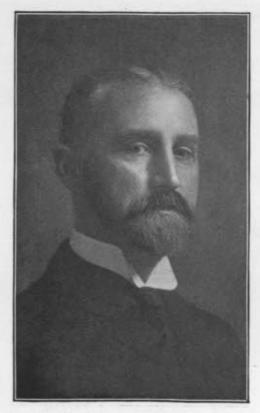
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President of the Corporation, Massachusetts Institute of Technology; Assistant Professor in the Naval Observatory, Washington, 1878; Assistant Professor of Mathematics and Astronomy in Washington University, 1881; Professor of Astronomy in Washington University, 1884; Superintendent of the U.S. G. and C. Survey, 1897; President of the Massachusetts Institute of Technology from 1900.

Report on Observations of the Total Eclipse of July 29, 1878; Observations of Conjunctions of the Satellites of Saturn; A Determination of the Mass, of Mars; A Determination of the Diameter of Mars from Micrometric Observations, with a Discussion of Systematic Errors; Determination of the Longitude of the Mexican National Observatory. The Transit of Mercury, 1891; Report of Washington University Eclipse Expedition; The Solar Corona of 1899, with Discussions of the Photographs; Eclipses of Saturn's Satellites and Their Use in Determining the Planet's Diameter (with tables); Personal Equation in Time Observations; Meridian Circle Observations, etc.; A Plan for an International Arc of the Meridian; and many other papers and reports. Residence, 174 Bay State Road.



Alfred E. Burton Dean



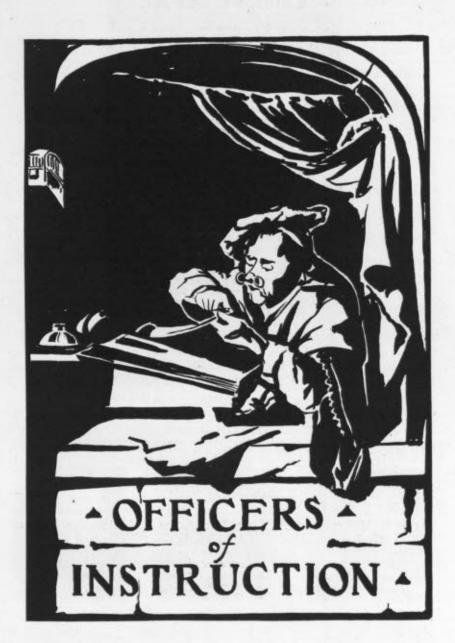
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## Courses I. and XI.

#### CIVIL AND SANITARY ENGINEERING

George F. Swain, S.B., M. Am. Soc. C.E., Hayward Professor of Civil Engineering. — M.I.T., '77, I.



George F. Levain

Student in Germany, 1877–80; Expert on Tenth U.S. Census, 1880–83; Instructor in Civil Engineering, Massachusetts Institute of Technology, 1881–83; Assistant Professor of Civil Engineering, 1883–87; Associate Professor, 1887–88; Professor from 1888; Engineer of Massachusetts Railroad Commissioners from 1887; Member Boston Transit Commission since 1894; ex-President Boston Society of Civil Engineers; ex-President of the Society for the Promotion of Engineering Education; Director American Society of Civil Engineers, 1901–04.

Director American Society of Civil Engineers, 1901–04.

Author of Report on Water Power of Atlantic Slope, Notes on Hydraulics and on Theory of Structures, numerous reports on Railroad Bridges, Brake Equipment and other subjects, in the reports of the Massachusetts Railroad Commission, and many papers on Engineering subjects, published in the Transactions of American Society Civil Engineers, Proceedings New England Water Works Association, Technology Quarterly, Proceedings Society of Arts, Journal Franklin Institute, Journal of the Association of Engineering Societies, etc. Residence, 435 Marlboro Street.

C. FRANK ALLEN, S.B., Am. Soc. C.E., Professor of Railroad Engineering. — M.I.T., '72, I.

Alfred E. Burton, S.B., M. Am. Soc. C.E., Dean, Professor of Topographical Engineering. — Bowdoin, '78;  $\Delta$  K E,  $\Phi$  B K.

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Associate Professor of Hydraulic Engineering. — M.I.T., '89, I;
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ARTHUR G. ROBBINS, S.B., Associate Professor of Highway Engineering. — M.I.T., '86, I.

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#### MECHANICAL ENGINEERING

Gaetano Lanza, C.E., Professor of Theoretical and Applied Mechanics; in charge of the Department of Mechanical Engineering.

Instructor, Massachusetts Institute of Technology, 1871–72; Assistant Professor, 1872–75; Professor of Theoretical and Applied Mechanics from 1875; also in charge of Department of Mechanical Engineering from 1882

Author of Applied Mechanics (1885), and of many papers in Transactions American Society of Mechanical Engineers, Proceedings Society of Arts, Proceedings British Institution of Civil Engineers, Technology Quarterly, etc. Notes on Mechanical Engineering (1886). Notes on Friction (1887), etc. Residence, 22 West Cedar Street.



Gaetano Laura

Peter Schwamb, S.B., Professor of Machine Design and Director of the Mechanical Laboratories. — M.I.T., '78, II.

ALLYNE L. MERRILL, S.B., Am. Soc. M.E., Professor of Mechanism. — M.I.T., '85, II.

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S. Homer Woodbridge, A.M., Associate Professor of Heating and Ventilation. — Williams College, '73.

Charles E. Fuller, S.B., Associate Professor of Mechanical Engineering.
— M.I.T., '92, II.

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George Bartholomew Haven, S.B., Assistant Professor of Mechanical Engineering. — M.I.T., '94, II.

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## Course III.

#### MINING ENGINEERING AND METALLURGY

Robert H. Richards, S.B., Professor of Mining Engineering and Metallurgy. — M.I.T., '68, III.



Assistant in Chemistry, Massachusetts Institute of Technology, 1868–69; Instructor in Assaying and Qualitative Analysis, 1869–70; Assistant Professor of Analytical Chemistry, 1870–71; Professor of Mineralogy and Assaying, in charge of the Mining and Metallurgical Laboratories, 1871–72; Professor of Mining Engineering, 1873–84; Secretary of the Faculty, 1878–83; Professor of Mining Engineering and Metallurgy from 1884; President of the M.I.T. Alumni Association, 1873–76; President of the American Institute of Mining Engineers, 1886–87. Author of Ore Dressing, 1903. Residence, 32 Eliot Street, Jamaica Plain.

Robert N. Richards

Heinrich O. Hofman, E.M., Met.E., Ph.D., Professor of Metallurgy.— E.M., Met.E., Prussian School of Mines, Clausthal, '77; Ph.D., Ohio University, '89.

RICHARD W. Lodge, Assistant Professor of Mining and Metallurgy.— M.I.T., '79, III.

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John A. Root, S.B.

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#### ARCHITECTURE

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With Messrs. Ware & Van Brunt, Architects, 1864–66; Student in Paris, 1866–68; Assistant with Professor Ware at the Massachusetts Institute of Technology, 1869; Assistant Supervising Architect at Washington, 1870–73; in partnership with Mr. E. C. Cabot of Boston, 1873–88; Professor of Architecture, Massachusetts Institute of Technology, from 1888; Advisory Architect to the Mayor of the City of Boston since 1896; Member of Art Commission, City of Boston; Honorary Member of American Institute of Architecture.

Author of a Few Hints About Drainage (1888), Construction Details (1892), Notes on Limes, Cements, Mortars and Concretes (1892); editor of Municipal Architecture in

Boston (1898), etc. Residence, 195 Marlboro Street.



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- D. Despradelle, Rotch Professor of Architectural Design. Architect, D.P.L.G.
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- HARRY W. GARDNER, S.B., Assistant Professor of Architecture. M.1.T., '94, IV.

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## Courses V. and X.

#### CHEMISTRY AND CHEMICAL ENGINEERING

HENRY P. TALBOT, S.B., Ph.D., Professor of Inorganic and Analytical Chemistry. — M.I.T., '85, V.; S.B., M.I.T., '85; Ph.D., University of Leipzig, '90.



Many O Zellet.

Assistant in Analytical Chemistry, Massachusetts Institute of Technology, 1885–87; Instructor, 1887–88 and 1890–92; Assistant Professor of Analytical Chemistry, 1892–95; Associate Professor of Analytical Chemistry, 1895–98; Professor of Analytical Chemistry, 1898–1902; Professor of Inorganic and Analytical Chemistry; from 1902

Author of Ueber das Verhalten der Tiglinsäure und Angelicasäure gegen Bromwasserstoff und Jodwasserstoff (1890); Notes on the Action of Hybromic and Hydriodic Acids on Tiglic Acids (1891); An Index to the Literature of Angelic and Tiglic Acids from 1842 to 1892; Notes on the Properties of Hydrogen Peroxide Solutions (with H. R. Moody); An Introductory Course of Quantitative Chemical Analysis (1897); A Bibliography of the Analytical Chemistry of Manganese (with John W. Brown) (1902); The Recorded History of the Members of the Argon Group (1902); and other Chemical Papers. Residence, 273 Otis Street, West Newton.

- ARTHUR A. NOYES, S.M., Ph.D., Professor of Theoretical Chemistry. M.I.T., '86, V.; S.M., M.I.T., '87; Ph.D., Leipzig, '90.
- Thomas E. Pope, A.M., Professor of Inorganic Chemistry. Harvard University, '69.
- WILLIAM H. WALKER, S.B., Ph.D., Φ K Σ, Professor of Industrial Chemistry. S.B., Pennsylvania State College, '90; Ph.D., Göttingen, '92.
- Henry Fay, A.B., Ph.D., Associate Professor of Analytical Chemistry.—
  A.B., Lafayette College, '89; Ph.D., Johns Hopkins University,
  '95.
- Augustus H. Gill, S.B., Ph.D., Associate Professor of Technical Analysis. M.I.T., '84, V.; S.B., M.I.T., '84; Ph.D., Leipzig, '90.

- WILLIS R. WHITNEY, Ph.D., Non-Resident Associate Professor of Theoretical Chemistry.
- FRED L. BARDWELL, S.B., Assistant Professor of Inorganic Chemistry. University of Minnesota, '81; M.I.T., '84, V.
- FRANK H. THORP, S.B., Ph.D., Assistant Professor of Industrial Chemistry.

   M.I.T., '89, V.; S.B., M.I.T., '89; Ph.D., University of Heidelberg, '93.
- F. Jewett Moore, B.A., Ph.D., X Φ, Assistant Professor of Organic Chemistry. — B.A., Amherst, '89; Ph.D., Heidelberg, '93.
- Samuel P. Mulliken, S.B., Ph.D., Assistant Professor of Organic Chemistry. M.I.T., '87, V.; Ph.D., Leipzig, '90.

#### Instructors

ELLEN H. RICHARDS, A.M., S.B. PETER S. BURNS, PH.D. GEORGE W. ROLFE, A.M. JOSEPH W. PHELAN, S.B. ALPHEUS G. WOODMAN, S.B. WILLIAM T. HALL, S.B. FREDERICK R. KNEELAND, S.B. ARTHUR A. BLANCHARD, PH.D. MILES S. SHERRILL, PH.D. RAYMOND HASKELL, S.B. CHAMPION H. MATHEWSON, S.B. CHARLES FIELD, 3D, S.B.

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## Course VI.

#### ELECTRICAL ENGINEERING

DUGALD C. JACKSON, S.B., C.E., Professor of Electrical Engineering.—Penn. State College, '85.



Professor of Electrical Engineering and head of department at University of Wisconsin, 1891–1906. Senior Partner of D. C. and William B. Jackson. Professor of Electrical Engineering, in charge of department Massachusetts Institute of Technology, 1906. Member A.I.E.E., A.S.C.E., A.S.M.E., Société Internationale des Electriciens, Society for the Promotion of Engineering Education (Pres.), and various other engineering societies.

Author of Text Books on Electro-magnetism and the

Fellow and Instructor at Cornell University, 1885-87;

Author of Text-Books on Electro-magnetism and the Construction of Dynamos (1893); Electricity and Magnetism (1895); joint author Alternating Currents and Alternating Current Machinery (1896); joint author An Elementary Book on Electricity; and many technical papers.

Hyeld & Jackson

HARRY E. CLIFFORD, S.B., Professor of Theoretical Electricity. — M.I.T., '86, VI.: ⊚ Ξ.

Frank A. Laws, S.B., Associate Professor of Electrical Testing. — M.I.T., '80, VI.

Ralph R. Lawrence, S.B., Assistant Professor of Electrical Engineering. — M.I.T., '95, VI.

HARRISON W. SMITH, A.B., S.B., Assistant Professor of Electrical Engineering. — Harvard, A.B., '95; M.I.T., S.B., '97, II; Δ Υ.

George C. Shaad, S.B., E.E., Assistant Professor of Electrical Engineering.

#### Instructor

CHARLES H. PORTER, A.B., S.B.

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WALDO V. LYON, S.B.

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EDWARD B. ROWE, S.B.

ARTHUR S. GIBBS
S. H. GRAUTEN
CHARLES D. RICHARDSON, S.B.
S. B.

## Course VII.

#### BIOLOGY

William T. Sedgwick, Ph.B., Ph.D., Professor of Biology. — Yale S.S., '77; Berzelius Society; Ph.B., Yale, '77; Ph.D., Johns Hopkins, '81.

Instructor in Physiological Chemistry, Sheffield Scientific School at Yale University, 1878-79; Fellow, Assistant and Associate in Biology, Johns Hopkins University, Baltimore, 1879-83; Assistant Professor of Biology, Mas-Professor, 1884–91; Professor from 1891; Biologist, State Board of Health, 1888–96; Chairman, Pauper Institutions Trustees, City of Boston, 1897–99; Curator, Lowell Institute, since 1897; President American Society of Naturalists, 1991, etc. of Naturalists, 1901, etc.

Author, General Biology (1886), New Edition (1895); Assistant Editor, Life and Letters of William Barton Rogers, 2 vols., 1896; Author, Principles of Sanitary Science and the Public Health, 1902; of numerous reports to the State Board of Health of Massachusetts on Epidemics of Typhoid Fever caused by Infected Water, Milk, etc., various scientific memoirs and monographs, addresses on education, etc.

Residence, 20 Edge Hill Road, Brookline.



William J. Teograins.

Samuel C. Prescott, S.B., Assistant Professor of Industrial Biology. — M.I.T., '94, V.

Charles Edward Amory Winslow, S.B., S.M., Assistant Professor of Biology. — M.I.T., '98, VII., S.B.; M.I.T., '99, S.M.

#### Instructors

ARTHUR W. WEYSSE, PH.D. Robert P. Bigelow, Ph.D. Percy G. Stiles, Ph.D.

## Course VIII.

#### PHYSICS

Charles R. Cross, S.B., Theyer Professor of Physics and Director of the Rogers Laboratory. — M.I.T., '70, Sci. and Lit.



Instructor in Physics, Massachusetts Institute of Technology, 1870–71; Assistant Professor of Physics, 1871–75; Professor of Physics from 1875; in charge of Department of Physics from 1877; in charge of Course in Electrical Engineering from its establishment in 1822 till 1902.

Author of many papers on electricity, acoustics and other branches of physics, published chiefly in the Proceedings of the American Academy of Arts and Sciences. Residence, 100 Upland Road, Brookline.

Chas. R. Cop

Harry M. Goodwin, S.B., Ph.D., Professor of Physics and Electrical Chemistry. — S.B., M.I.T., '90, VIII; Ph.D., Leipzig, '93.

LOUIS DERR, M.A., S.B., Associate Professor of Physics. — Amherst, '89; M.I.T., '92, VI.; ΔΥ, Φ B K; B.A., Amherst, '89; M.A., Amherst, '92; S.B., M.I.T., '92.

George V. Wendell, S.B., Ph.D., Associate Professor of Physics. — M.I.T., '92, VIII., Δ K E; S.B., M.I.T., '92; Ph.D., Leipzig, '98.

CHARLES L. NORTON, S.B., Associate Professor of Heat Measurements. — M.I.T., '93, VI.; S.B., M.I.T., '93.

WILLIAM J. DRISKO, S.B., Assistant Professor of Physics. - M.I.T., '95.

#### Instructors

Maurice de K. Thompson, Ph.D.

Clifford M. Swan, S.B.

Newell C. Page, S.B.

Charles J. Emerson, S.B.

Eugene D. Forbes, S.B.

Daniel F. Comstock, S.B. (absent)

Guy W. Eastman, S.B.

#### Assistants

JAMES I. BANASH, S.B.
HERBERT P. HOLLNAGEL, S.B.
WILLIAM J. WALSH, S.B.
BURTON W. KENDALL, S.B.
CLAUDE S. McGINNIS, S.B.

## Course IX.

#### GENERAL SCIENCE

Davis R. Dewey, A.B., Ph.D., Professor of Economics and Statistics.— University of Vermont, '79; ΔΨ, Φ B K; A.B., University of Vermont, '79; Ph.D., Johns Hopkins University, '86.

Teacher, Underhill, Vt., 1879–81; Student and Fellow at Johns Hopkins University, 1883–86; Instructor, Massachusetts Institute of Technology, 1887–88; Assistant Professor, 1888–89; Associate Professor, 1889–92; Professor from 1892; Secretary American Statistical Association from 1886; Member of Publication Committee of American Economic Association since 1895; Chairman of Special Commission (Mass.) to Investigate the Subject of the Unemployed, 1894; appointed member of Board to Investigate Charitable and Reformatory Interests and Institutions of Massachusetts, 1896; member Department of Statistics, Boston, from 1897; appointed Special Expert Agent on Wages, U.S. Census, 1901; member of Commission on Relations Between Employer and Employees, 1903.

Author of a Syllabus on Political History since 1815 (1887); Graphic Statistics, etc.; Editor of Discussions in Economics and Statistics by Francis A. Walker, 2 vols. (1899); Contributor to Dictionary of Political Economy; Education for Commerce (1901); Contributor to the Literature of American History (1902); Author of Financial History of the United States (1903); Editor of Special Report, Employees and Wages, Twelfth Census of the United States.

Residence, 1834 Beacon Street, Brookline.



Dani R. DEWR

## DEPARTMENT OF ECONOMICS, STATISTICS AND POLITICAL SCIENCE

DAVIS R. DEWEY, A.B., Ph.D., Professor of Economics and Statistics.

CARROLL W. DOTEN, Ph.B., A.M., Assistant Professor of Economics.—

University of Vermont, Ph.B., '95, A.M., '99; Harvard, A.M., '02,

Φ Δ Θ, Φ Β Κ.

#### DEPARTMENT OF HISTORY

CHARLES F. A. CURRIER, A.B., A.M., Professor of History. — Harvard University, '87,  $\Phi$  BK; A.B., Harvard University, '87; A.M., Harvard University, '88; Fellow of Harvard University studying at Berlin and Paris, 1889-91.

Instructor in History and Political Science, Massachusetts Institute of Technology, 1891–93; Assistant Professor of History, 1893–95; Associate Professor, 1895–1901; Professor of History from 1901.

Residence, Winchester.



JOHN O. SUMNER, A.B., Associate Professor of History, Harvard, '87. Charles F. A. Carrier

## Course XII.

#### GEOLOGY

Thomas Augustus Jaggar, Jr., Harvard A.B., 1893, A.M., 1894, Ph.D., 1897, Professor of Geology.



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Assistant in Petrography, Harvard, 1904; Instructor in Geology, 1895; Assistant Professor, 1903; Professor of Geology, Massachusetts Institute of Technology, 1904; Assistant Geologist, U. S. G. S., 1893 to 1903

Assistant Geologist, U. S. G. S., 1893 to 1903.

The Laccoliths of the Black Hills, Twenty-first Annual Report, U. S. G. S. The Economic Resources of the Northern Black Hills, Professional Paper No. 26, 1904, U. S. G. S. (jointly with Irving and Emmons). Absaroka Folio U. S. G. S. (geologic map jointly with Arnold Hague). Articles on Geysers, Caribbean Volcanoes, Carbonic Acid Springs, in Pop. Sci. Mo., Am. Jour. Sci., Am. Nat.; on Synthesis of Minerals in Jour. Geol.; on Melonites (jointly with R. T. Jackson) in Bull. Geol. Soc. Amer.; on Pegmatite and on Ripple Mark in Am. Geol.; on Microschrometer, and on an instrument for inclining a preparation in microscope, in Am. Jour. Sci.; also in Jour. Roy. Microscop. Soc., and in Groth's Zeitschrift.

aration in microscope, in Am. Jour. Sci.; also in Jour. Roy. Microscop. Soc., and in Groth's Zeitschrift.

Student at Munich, 1894; at Heidelberg, 1895; geologist on "Dixie" to Martinique, 1902; in charge of Work in South Dakota, Arizona and Massachusetts; Fellow of American Academy; Member Boston Society Natural History.

Residence, 17 Brewster Street, Cambridge, Mass.

WILLIAM O. CROSBY, S.B., Professor of Geology. - M.I.T., '76, VII.

Charles H. Warren, Ph.B., Ph.D., Assistant Professor of Mineralogy. — Ph.B., Yale, '96; Ph.D., Yale, '99, ∑ ≡ E.

Douglas W. Johnson, S.B., Ph.D., Assistant Professor of Geology. — S.B. New Mexico, '01; Ph.D., Columbia, '03, \(\Sigma\) \(\Sigma\).

#### Instructors

HERVEY W. SHIMER, PH.D.

GERALD F. LOUGHLIN, Ph.D.

#### Assistant

WALTER G. DE STEIGUER, S.B.

## Course XIII.

#### NAVAL ARCHITECTURE

Cecil H. Peabody, S.B., Professor of Naval Architecture and Marine Engineering. — M.I.T., '77, II.

With the Western Union Railroad, 1878; Professor of Mathematics and Engineering, Imperial Agricultural College, Japan, 1878–80; Assistant Professor of Mechanical Engineering, University of Illinois, 1881–83; Instructor, Massachusetts Institute of Technology, 1883–84; Assistant Professor of Steam Engineering, 1884–89; Associate Professor, 1889–93; Professor of Naval Architecture and Marine Engineering from 1893.

Author of Notes on Governors and Fly Wheels (1885), Notes on Valve Gears (1887), Thermodynamics of the Steam Engine and other Heat Engines (1889), Tables of the Properties of Saturated Steam (1888), Valve Gears for Steam Engines (1890), Steam Boilers (1897, with E. F. Miller), Papers to Scientific Societies, Manual of the Steam Engine Indicator (1900), etc. Residence, 25 Columbia Street, Brookline.



b. b. habrdy

WILLIAM HOVGAARD, Captain Danish Navy, Professor of Naval Design.— Naval Academy, Copenhagen, 1879, and Royal Naval College, Greenwich, '86.

Walter S. Leland, S.B., Assistant Professor of Naval Architecture. — M.I.T., '96, XIII.

#### Instructors

CHARLES F. WILLARD, S.B. HAROLD A. EVERETT, S.B. JOHN A. ROSS, JR., S.B.

#### DEPARTMENT OF MATHEMATICS

HARRY W. TYLER, S.B., Ph.D., Professor of Mathematics. — M.I.T., '84, V.; S.B., M.I.T., '84; Ph.D., Erlangen, '89.



Assistant Massachusetts Institute of Technology, 1884– 86; Instructor, 1886–90; Assistant Professor, 1890–92; Associate Professor, 1892–93; Secretary of the Faculty, 1889–90, and from 1891; Professor of Mathematics from 1893

Author of Entertainments in Chemistry; the Application of Determinant Theorems to a particular case; Ueber die Sylvestersche und die Bezoutsche Determinanten; Technological Education in the United States; The Educational Work of Francis A. Walker; The Relation of the School of Technology to General Education, etc. Residence, Gray Cliff Road, Newton Centre.

Hany In Dyla

George A. Osborne, S.B., Walker Professor of Mathematics.—Harvard S.S., '60.

Webster Wells, S.B., Professor of Mathematics. - M.I.T., '73, I.

Dana P. Bartlett, S.B., Professor of Mathematics. - M.I.T., '86, VI.

Frederick S. Woods, A.B., A.M., Ph.D., *Professor of Mathematics*. — Wesleyan University, ΨΥ, ΦΒΚ; A.B., Wesleyan, '85; A.M., Wesleyan, '88; Ph.D., Göttingen, '94.

Frederick H. Bailey, A.B., A.M., Associate Professor of Mathematics.— Harvard University, '87,  $\Phi$  B K; A.B., Harvard University, '87; A.M., Harvard University, '89.

NATHAN R. GEORGE, JR., A.M., Assistant Professor of Mathematics. — Harvard, '90, Θ Δ X, Φ B K.

#### Instructors

LEONARD M. PASSANO, A.B.

BENJAMIN E. CARTER, JR., A.M.

WILLIAM H. ROEVER, A.M.

ERNEST A. MILLER, A.M.

CLARENCE L. E. MOORE, Ph.D.

#### DEPARTMENT OF ENGLISH

Arlo Bates, S.B., A.B., A.M., Litt.D., Professor of English. — Bowdoin, 76. А Д Ф. Ф В К.

Editor of Broadside, 1878-79; Editor of Boston Courier, 1880-93; Correspondent of Providence Journal, Chicago

Tribune, Book Buyer, etc., 1880–83; Professor of English, Massachusetts Institute of Technology, from 1893.

Author of Patty's Perversities, The Pagans, A Wheel of Fire, Berries of the Briar, Sonnets in Shadow, A Lad's Love, The Philistines, Prince Vance, Albrecht, Book o' Nine Tales, The Poet and His Self, Told in the Gate, In the Bundle of Time, The Torch Bearers, Talks on Writing English, Talks on the Study of Literature, The Puritans, Under the Beech Tree, Love in a Cloud, Talks on Writing English, Second Series, and the Diary of a Saint. Residence, 4 Otis Place.



HENRY G. PEARSON, A.B., Assistant Professor of English. — Harvard, '93, Θ E, Φ B K.

Archer T. Robinson, A.B.

Instructors

HENRY L. SEAVER, A.B.

CHAUNCY C. BATCHELOR, A.B.

Assistant

CLINTON H. COLLESTER, A.M.

#### DEPARTMENT OF MODERN LANGUAGES

John Bigelow, Jr., Major U.S. Army, retired, Professor of French; in charge of Department of Modern Languages. - U.S. Military Academy, '77.

Second Lieutenant 10th U.S. Cavalry, 1877; First Lieutenant, 1883; Captain, 1893; Major, 9th U.S. Cavalry, 1902; retired 1904; Instructor in Modern Languages at U.S. Military Academy, 1880-84: member of U.S. Cavalry Association, Military Science Institution of U.S., Military Historical Society of Massachusetts, and Technology Club. Author of Mars la Tom and Gravelotte; The Principles

of Strategy and Reminiscences of the Santiago Campaign.



John Bigelouf

Frank Vogel, A.B., A.M., Professor of Modern Languages. — Harvard University, '87, \Delta Y.

Instructors

JOSEPH BLACHSTEIN Justus Erhardt, A.B. Francis H. Dike, A.B. HERMAN R. KURRELMEYER, Ph.D. George J. Lenz, A.B. GEORGE MEISTER

#### DEPARTMENT OF DRAWING AND DESCRIPTIVE GEOMETRY

ALFRED E. BURTON, S.B., M. Am. Soc. C.E., Dean; Professor of Topographical Engineering. — Bowdoin, '78, Δ K E, Φ B K.



Land Surveyor, 1878–79; Topographical Draughtsman and Topographer on U.S. Coast and Geodetic Survey, 1879–82; Commissioner on Massachusetts Topographical Survey, 1895, 1900; in charge of Scientific Expedition to Umanak, Greenland, summer of 1896; in charge of Eclipse Expedition to Washington, Georgia, May, 1900; in charge of Eclipse Expedition to Sumatra, 1901; Instructor in Topographical Engineering, Massachusetts Institute of Technology, 1882–84; Assistant Professor, 1884–89; Associate Professor, 1889–96; Professor from 1896; Dean from 1902.

Author of several articles in Technology Quarterly Review.

Residence, 58 Webster Street, West Newton.

afred E. Burton

CHARLES L. ADAMS, Associate Professor of Mechanical Drawing. — Massachusetts Normal Art School, '79.

#### Instructors

HENRY K. BURRISON, S.B. ERVIN KENISON, S.B. W. FELTON BROWN HARRY C. BRADLEY, S.B. ARTHUR L. GOODRICH, S.B. CHARLES WINTHROP SAWYER STEPHEN A. BREED, S.B. SAMUEL E. GIDEON

#### DEPARTMENT OF MECHANIC ARTS

Peter Schwamb, S.B., Professor of Machine Design and Director of the Mechanical Laboratories. — M.I.T., '78, II.



Graduate Student, Massachusetts Institute of Technology, 1878–79; Draughtsman, Howe Scale Co., Rutland, Vt., 1879–80; Draughtsman, Hinkley Locomotive Co., Boston, 1880–83; Instructor, Massachusetts Institute of Technology, 1883–84; Assistant Professor, 1884–88; Associate Professor, 1888–96; Professor of Mechanism, 1897; Professor of Machine Design, 1901.

Author of Notes on the Elements of Mechanism (1885),

Author of Notes on the Elements of Mechanism (1885), Notes on Gearing (1888), Elements of Mechanism (1904), with Professor Merrill, etc.

Residence, 33 Academy Street, Arlington.

Peter Schwamb

Instructors

ROBERT H. SMITH CHARLES E. LITTLEFIELD

THEODORE B. MERRICK JAMES R. LAMBIRTH

Assistants

OSCAR W. NORTHRUP MARSHALL G. MERIAM

George E. Bradley Frank A. Brown

ALBERT L. MOULTON

#### RESEARCH LABORATORY OF PHYSICAL CHEMISTRY

ARTHUR A. NOYES, S.M., Ph.D., Professor of Theoretical Chemistry.— M.I.T., '86, V.; S.M., M.I.T., '87; Ph.D., Leipzig, '90.

Assistant in Analytical Chemistry, Massachusetts Institute of Technology, 1887–88; Instructor, 1890–94; Assistant Professor of Organic Chemistry, 1894–97; Associate Professor, 1897–99; Professor of Theoretical and Organic Chemistry, 1899–1902; Professor of Theoretical Chemistry from 1902; Director of the Research Laboratory of Physical Chemistry from 1903.

Author of A Detailed Course of Qualitative Analysis; General Principles of Physical Science; Laboratory Experiments on the Class Reactions and Identification of Organic Substances; and many articles in scientific journals. Residence, 78 Westland Avenue, Boston.



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Harry M. Goodwin, S.B., Ph.D., Professor of Physics and Electrical Chemistry. — S.B., M.I.T., '90, VIII; Ph.D., Leipzig, '93.

#### Research Associates

ARTHUR C. MELCHER, S.B.

ROY D. MAILEY, S.B.

WILLIAM C. BRAY, Ph.D.

HERBERT T. KALMUS, Ph.D.

GILBERT N. LEWIS, Ph.D.

CHARLES A. KRAUS, S.B.

EDWARD W. WASHBURN, S.B.

#### Research Assistants

FRED C. MABEE, A.M.

E. B. SPEAR, B.A.

#### DEPARTMENT OF MILITARY SCIENCE AND TACTICS

Fred Wheeler, Major U.S.A., retired, Professor of Military Science.

Military Instructor at Massachusetts Institute of Technology, and member of Faculty. Graduate U.S. Military Academy, Class 1878. Residence, 15 Arlington Street, Boston.



Fred Wheeler

Instructor in Gymnastics Winfield C. Towne, A.B.

Medical Adviser, Lecturer on Personal Hygiene Franklin W. White, S.B., M.D.



#### HENRY S. PRITCHETT, President

GEORGE A. OSBORNE ROBERT H. RICHARDS WILLIAM H. NILES CHARLES R. CROSS GAETANO LANZA GEORGE F. SWAIN FRANCIS W. CHANDLER WILLIAM T. SEDGWICK DAVIS R. DEWEY WEBSTER WELLS CECIL H. PEABODY HARRY W. TYLER ARLO BATES DESIRE DESPRADELLE PETER SCHWAMB C. FRANK ALLEN ALFRED E. BURTON, Dean DWIGHT PORTER HEINRICH O. HOFMAN HENRY P. TALBOT ARTHUR A. NOYES, Chairman THOMAS E. POPE CHARLES F. A. CURRIER WILLIAM HOVGAARD FRED WHEELER THOMAS A. JAGGAR HARRY E. CLIFFORD JOHN BIGELOW, JR. FRANK VOGEL DANA P. BARTLETT ALLYNE L. MERRILL, Secretary EDWARD F. MILLER WILLIAM H. WALKER WILLIAM O. CROSBY FREDERICK S. WOODS HARRY M. GOODWIN DUGALD C. JACKSON

S. HOMER WOODBRIDGE WILLIAM H. LAWRENCE JOHN O. SUMNER FREDERICK H. BAILEY LOUIS DERR GEORGE V. WENDELL CHARLES L. ADAMS CHARLES L. NORTON HENRY FAY WILLIAM E. MOTT AUGUSTUS H. GILL ARTHUR G. ROBBINS FRANK A. LAWS CHARLES E. FULLER WILLIAM A. JOHNSTON CHARLES F. PARK FRANK P. McKIBBEN FRED L. BARDWELL RICHARD W. LODGE HENRY G. PEARSON FRANK H. THORP F. JEWETT MOORE HARRY W. GARDNER SAMUEL C. PRESCOTT RALPH R. LAWRENCE CHARLES H. WARREN SAMUEL P. MULLIKEN GEORGE B. HAVEN WALTER S. LELAND WILLIAM J. DRISKO HARRISON W. SMITH C. -E. A. WINSLOW CARROLL W. DOTEN DOUGLAS W. JOHNSON NATHAN R. GEORGE, JR. ARCHER T. ROBINSON CHARLES E. LOCKE

GEORGE C. SHAAD

### Dugald C. Jackson

Ve



UGALD C. JACKSON, the new Professor of Electrical Engineering, and head of Course Six, was born on Feb. 13, 1865, at Kennett Square in Chester County, Pa. He prepared for college at the Hill School, in Pottstown, and matriculated at the Pennsylvania State College from which he graduated in the Civil Engineering Course in

1885. He went immediately to Cornell University as a fellow, serving at the same time as an instructor in Electrical Engineering.

In 1891, Professor Jackson became a member of the Faculty at the University of Wisconsin, where he established and took charge of the Course in Electrical Engineering. He held this position until he came to the Institute in February, 1907.

Professor Jackson married, on Sept. 24, 1889, Miss Mabel A. Foss of New Gloucester, Maine, and has two children.

His specialty has been alternating currents and alternating current machinery, added to which is a large experience in central station practice. Professor Jackson is the senior member of the firm of D. C. and Wm. B. Jackson, Consulting Engineers. He has written several text-books and many papers and addresses relating to engineering practice, and is a member of all the important engineering societies, as well as president of the Society for the Promotion of Engineering Education.

#### IN MEMORIAM

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## Samuel Cabot

Class of '70

Died November, 1906

A LOYAL ALUMNUS; AN ABLE AND INDEFATIGABLE
MEMBER OF THE CORPORATION; AN EFFICIENT
CHAIRMAN OF THE COMMITTEE ON THE DEPARTMENTS OF CHEMISTRY AND CHEMICAL ENGINEERING;
SAGACIOUS AND GENEROUS FOUNDER OF THE PRIZES
FOR PHYSICAL CULTURE; A WARM AND SYMPATHETIC
FRIEND OF UNDERGRADUATES

Ψ.

AN IDEAL INSTITUTE MAN

### Frank H. Rand

Ve

N work and in life at the Institute nothing is of more value than the personal element as it affects the intercourse of students with those in authority. The intimate association of instructors and instructed in laboratories and shops does much to foster this: but the character of the

men in authority does more. Of the truth of this no better instance could be found than in the case of the Bursar, Frank H. Rand.

To establish and to maintain relations really sympathetic with a body so large and so varied as the students requires unusual gifts and an experience of the widest. The Bursar in his capacity of money-taker is not unlikely to seem the natural enemy of the boys, and no ordinary degree of insight and kindliness would have sufficed to gain for Mr. Rand the place which by universal consent he holds as the students' friend. He has developed his natural abilities and native generosity of temper by a training strikingly varied and comprehensive. No one beforehand would have been able to prescribe such a life as the best to fit the man for the office: but it is now possible to look back and to see how singularly effective and admirable it has been.

Mr. Rand was born at Irasburg, Vt., on Aug. 3, 1861. When he was two years old his home was changed to Newport, Vt., on the shores of the beautiful Lake Memphremagog, and there at the age of fourteen he made his first business venture as candy boy on the lake steamer. In the same year he removed to Springfield, Mass., and exchanged the country school for the more highly organized school of the city. He was about two years younger than the majority of the pupils, but this did not prevent him from holding his own for the year that he remained. The next move was to Troy, Vt., where his father was employed in the customs service. The lad entered a railroad office. He applied himself so diligently to the study of telegraphy that in the year following, when he was but sixteen, he was made chief operator at Wells River.

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His position was one of great responsibility, for he had to handle all the telegraph work of three railroads. Later he was promoted to be night-train dispatcher in the superintendent's office of the South-Eastern Railroad. After a year of this employment he was recalled by his father to enter Eastman's Business College, at that time the only institution of its kind in the country.

After completing the course at the college in record time, he returned to Vermont, and while yet seventeen was, during the absence of the proprietor, put in charge of the general store. This practical experience was an excellent sequel to his business course. He was fortunate in having for his employer a merchant of the old school, a man of sterling worth and ability, and one whose business methods were worthy of adoption; while the experience in dealing with men was of great value.

The next step in this varied career young Rand took by reading law in the office of the States Attorney, and later in the Law School at Albany. He graduated and was admitted to the bar in New York and in Vermont. For a time he practised law in Orleans County, but as the practice was not equal to his wishes, he accepted a position with the J. C. Ayer Company, at Lowell, Mass. He traveled for three years through the Southern States in the interests of the company. He had many interesting experiences, for it was during the bitter reconstruction period, and the embers of the Civil War were still glowing hot. He improved the opportunity to indulge a marked taste for history by visiting battlefields and learning the details of the campaigns. Ultimately he was recalled to the home office, and for six years had charge of the shipping and the outdoor advertising, showing here as always ability, adaptability and trustworthiness.

On Jan. 22, 1887, Mr. Rand married Miss Mary Augusta Batchelder of Lowell, Mass. Soon after he went to New Jersey as superintendent of a large manufacturing plant, but after a year accepted a more desir-

#### · FRANK H. RAND

able position in the old Third Bank of Boston. He remained in charge of the discounts, etc., for twelve years. On the consolidation of the bank with another, he was for a year in a bond house in Rhode Island; and in 1902 came to the Institute as Bursar, the position which he has since filled with so much success.

The wide practical experience through which he had passed has made Mr. Rand's way sure from the first moment of his coming to his present position. He began by reorganizing the office, introducing the latest and most approved methods of bookkeeping, and organizing the well-nigh innumerable accounts which the Bursar must keep in order. He arranged the accounts dealing with the income, whether from the state, from investments, from donations, or from tuition: the essential though petty accounts which have to do with chemical breakage, locker-keys, and the many details of a similar nature; the salary accounts; the accounts for maintenance of the buildings; for the equipment of the numerous laboratories; the scholarship accounts; those dealing with the purchase of periodicals and books for the libraries; and such other reckonings as that of postage, in itself a matter of two or three thousand dollars. All these things were reduced to a system which works as neatly and as precisely as nicely oiled machinery.

He has no less put into order and admirably exercised the other duties of his office, such as responsibility for the condition of all the buildings, the employment and the supervision of janitors, and the supervising of all new structures or of improvements of old ones. The manifold duties of his office can be appreciated only by enumeration, because under his management they are so ably accomplished as to seem to move of themselves; but they call for quickness of perception, for business ability and experience, and for the most effective tact.

If Mr. Rand had stopped here he would still be an official of unusual effectiveness. He has, however, gone much further. Having got the

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business of the office in order, he turned his attention to the helping of students needing aid. His idea, as given in his own words, was: "To build up a fund, the income of which shall be used to assist students who give promise of becoming efficient engineers, but who for some reason have in some one term failed to secure scholarship assistance, and need aid to enable them to complete the school year. There are many such cases: men who are unable to secure aid from the Scholarship Committee, and who would perhaps be obliged to leave the Institute but for the timely assistance in the payment of a part of the term's tuition." Some little money has already been obtained toward this fund, and it is the hope of the Bursar to increase it to something like \$4,000 or \$5,000, a sum which will provide an income sufficient to meet cases of this class.

Another arrangement of great convenience to students Mr. Rand put into operation at the beginning of last year. This is a banking system by which students may keep at the Bursar's office a deposit, and draw upon it as at a bank. The city banks will not open an account unless the depositor puts in at least \$300, and keeps upon deposit during the year an average of at least \$100. By the Bursar's arrangement a student may keep on deposit any sum from \$5 to \$500, and the convenience is wonderfully great. At present the depositors number one hundred and seventy-one, with an average of total deposits between \$4,000 and \$5,000. No interest is paid to the depositors, but such interest as accrues on the total is used to defray the expense of the necessary bookkeeping. About \$50,000 a year is handled for the students by means of this wise and admirable banking system.

One of the most recent of the many devices of Mr. Rand for student comfort and student convenience is the Tech Union Lunch. This was opened on Sept. 26, 1906, and on the opening day fifty-five men were served with food, simple and well cooked, and at a price astonishingly

#### · FRANK H. RAND ·

low. The attendance increased rapidly, and in time has about quadrupled. Not only does this supply a want which, like all wants connected with the student's stomach, has been literally "long felt," but it makes possible a much better service in connection with dinners, so that societies and clubs which formerly went to the hotels for reunions now dine at the Union.

It is in connection with the Union and the Kommers that Bursar Rand has been best known to the students. The great bulk of his valuable work is invisible to the general student, but the wonderful power of telling stories good and fresh which has been so generously exercised at the Saturday night meetings has made the Bursar dear to every man in the Institute. A couple of years ago the Kommers were uninteresting and slow. Mr. Rand in the fall of 1905 took them in hand, and at once made them so attractive as to draw together large numbers of students. The influence in the development of the social side of the men has been invaluable. President Pritchett cooperated by appointing a man from each class to act as House Committee, and acting in concert with this body Mr. Rand succeeded in the not always easy task of forcing the most unsociable and preoccupied student to enjoy himself and, for the time, to become a human being in touch and sympathy with his fellows. He secured outside speakers, suggested means of entertainment, and whenever a breach occurred came forward himself to fill it by being the most entertaining speaker of any or every evening.

No catalog of what Mr. Rand has done privately or publicly for the boys can be complete, because hardly a day passes without some act of kindness known only to the Bursar and the student, and never told. The remarkably varied experiences through which he has gone, and which have fitted him for his position as if he had been in training all his previous life for this especial post, have made it possible for him to

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appreciate the widely differing characters of the undergraduates, their needs, their prejudices, their shortcomings and their virtues. That which is best in him, however, is not so much training as character. The students appreciate what he has done and what he is constantly doing; but whether they now reason it out or not, they will some day come to realize that what has most attracted them, what has most truly created their friendly feeling, are that kindliness of spirit, that unselfish generosity, that genuine sympathy, shown by his every act and word in matters which in any way concern the interests of the students.





Freshman, young, and of a verdant hue, There's much for you to learn, and much to do; And, when you see a Soph, don't let out hoots, For some day you may occupy his boots.

Hail! The Soph'more, buried deep in lore, Acquiring facts he never dreamed before; Useful and useless things together piled In one great heap of knowledge running wild.

The Junior shows what "college men" should be, Leading the rest in each activity; First in his studies, first in athletic strife, And first to lose his head about a wife.

In reverence the Seniors bow to Wisdom's power, Whose lamp hath lighted up their path thus far; To her they turn at the eleventh hour. Shine on, oh Wisdom; be their guiding star!

# SEWORS



## Class of Nineteen Hundred and Seben

President
LAWRENCE ALLEN

Vice-President R. C. Albro

Secretary
A. MACOMBER

Treasurer G. A. Griffin

V

Institute Committee

E. H. PACKARD

F. S. McGregor

1

**Executive Committee** 

C. D. Howe

N. A. MIDDLETON

#### Reminiscences of 1907

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HE good fellows of 1907 had gathered for one more rousing old class dinner. They had been scattered for ten years, but now they were back at the 'Stute once more and in their joy and good-fellowship were finding only the high places of life. All the ups and downs of the ten years had been forgotten and they were simply Tech boys once more. Even PASTORIZA had shoved his work under the table and was there to think only of the pleasant parts of the old days. ALLEN and LEAVELL were sharing the troubles of the toastmaster and the same Bursar was with us again. ALLEN made his usual nice little speech and turned loose the Bursar. He looked us over and tried to think of some serious speech he could give, but no! a smile came over his jolly face and he pulled a small notebook from his pocket. He said that it was habit for him to be serious, but this time he was going to open his notebook. This was the first time it had ever been produced, but in it he had kept his own notes of the class of 1907, many of the incidents being known to but few in the class. He said it was a pleasure to recall to us some of those joyful times, such as when "RICHARDS saved the day," and when we had the old 23-0 rough house at the Globe.

With a happy little smile the Bursar read:—"Along about his senior year DONNEWALD took a course in fossils, and somehow Dr. Shimer realized that DONNIE didn't know much about Natural History. Therefore, one day he said, 'MR. DONNEWALD, can you tell me the names of the male, the female, and the offspring of the sheep?' Our genial Technique Editor did know that much and answered: 'Ram the Daddy, Dam the Mammy, and Lam the Kid.' His luck for such an answer was not quite so good as was that of BOB ALBRO, who made with SWAIN in structures a three-base hit and then stole home. When BOB first went up to see the 'old man' he was horribly frightened, but hung on to his nerve. SWAIN said to him, 'Well! I suppose that as usual they want the fool of the family to be an engineer!' BOB thought it was live or die, sink or swim, so he said, 'Oh no, they've changed all that since your time,

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sir.' BOB passed. Along about sophomore year BOLES got to worrying lest his excessive smoking should give him tobacco heart. STUART MILLER knows pretty much everything from how to fence to how to chip castings, and BOLES asked him if he thought smoking had a tendency to shorten one's days. 'Certainly,' said MILLER, 'I tried to stop once and the days were about ninety hours long.' It was in the same year that SWETT, in English, referred to some illustrious character as a lobster. At his next conference Molly Pearson said to him: 'MR. SWETT, I can usually recognize the meaning of slang words, but I confess I do not understand what you mean by calling a man a lobster.' 'Why! Professor Pearson,' he replied, 'he's the fellow who never blushes until he gets into hot water.' GRIFFIN always kept away from the deep water, but one day PARLIN was, as usual, gathering information. He went to GRIFFIN and asked him if there was anything more than glory in guarding the class funds. GEORGE slowly smiled and said: 'My friend, 1907 is great, and the Treasurer who cannot get more than glory is a fool!" CLAR-ENCE HOWF, down at the lower end of the table, had been getting nervous and now broke in with "Tell us that one about the Tech editors." The Bursar turned over two pages and found: "WHITNEY went to FRANK one day and asked him if he could let him have a V until Monday. 'Afraid not,' says JOHN, 'but if I should, how do I know I shall get it back?' WHITNEY promised 'on the honor of a gentleman.' 'In that case,' said FRANK,'I may do it. Come around this evening and bring him with you.' There was one of JIMMY BARKER'S talents that I don't think you ever knew about. He had so many that I don't expect you to be surprised at any new ones. CENEDELLA was a bit of a phrenologist and was exploring JIMMY'S head one day when he found a lump. It was the location of the imagination, and CINDY told him that he ought to 'give up grinding and write poetry.' JIMMY blushed with shy pleasure, and said, 'Well, I do write poetry! Only last week I took a gem on Spring to the Tech and that lump is where they hit me. Be gentle, and go on.' It was L. T. WALKER who told me that MACOMBER is signed up in junior statistics as a mugwump. I do not believe HAPPY really meant it. It was WOODWARD who told me, after he had slept with ROBBINS one night what the word really meant. It seems that neither had been used to sharing their slumbers, but this night it was necessary, and each had evidently tried to put the other on the floor. The next day BILL told me that DON is a mugwump. 'He is one of those people who won't take either side, and when I slept with him last night he not only refused to take either side, but

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he wanted the middle as well." By this time DOCTOR CHADWICK and VAN DER STUCKEN were asleep, but SAM VERY aroused them to hear about STARKWEATHER. "Junior year vacation he spent in the Yukon laying out the country place where WILLCOMB was to spend his declining days. He was watching a game of poker when he saw BIG FULLER give himself four aces from the bottom of the pack. OSCAR'S well-known love of fair play asserted itself and he turned to SAM MARX and asked him if he saw it. SAM put down his stein long enough to say, 'What of it, wasn't it his deal?' They say MIDDLETON is a confirmed bachelor now, but in those old days he was far different. He was looking for a room one time, and over on Newbury Street was shown one by an exceptionally good-looking maid. 'Tell me,' he said, 'are you a part of the house.' 'No,' she told him, 'the rooms are to let, but I am to be let alone.'"

Here the notebook of the Bursar was closed. "I have just one more entry to give you," he said, "but now I want to hear something from you. '07 was a great class and I want to know something about her since she got out. ALLEN, you must have seen some of the men lately. Give us some news." "HUD HASTINGS," said PAT, "is the only one I have seen lately, and speaking of him reminds me of the time I saw him when we had been out about four years. I happened to run across him and confided to him that I was going to join the happy throng of which he had been a member for three years. 'My trouble is,' I said, 'in what to call the mother-in-law. What did you call her?' 'Almost forget,' says HUD; 'think I mostly said "say" the first year.' 'Yes—and afterward?' I asked. 'Oh, then it was easy. We both called her grandma.'"

"That's a good deal like HAROLD WONSON," said PARKER DODGE. "It seems that after he left the Institute his heart and soul were lost to some fair damsel. She assured him of her love, but wanted him to save five hundred dollars before they were married. The thought of saving so much money did not worry HAROLD at all, so he agreed. About three months later she cuddled up close to him one night and asked, 'Harold, my love, have you saved up the money yet?' Tenderly he told her he had \$2.25 toward it. 'Oh, well,' she said, 'don't let's wait any longer. I guess that'll do.'" "PACKARD always was a lonely sort of a fellow," said HARRY MOODY. "He had been out about five years when he met FRANK MACGREGOR, and FRANK'S happiness was so evidently inspired by the joys of his own fireside and family that PACKARD confided to him how lonely he was. MAC told him there was only one way out of it, but that was an easy one. 'Do as I did; go where you are not known.'"

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"Do you remember DOC SHARP?" asked JOHN BULL TRESNON. "DOC got hold of a little money one time and as my firm also ran a hardware store he came in to see me. He wanted a bath-tub for his young heir and selected a pretty nice one. I told him it would cost him just \$5.98. 'Golly,' says DOC, 'I guess we will have to keep on washing the kid in the coal scuttle.'"

TOM GOULD wanted to get a train home and CHARLIE COFFIN had an engagement with HER, so they asked the Bursar for the one he was saving. He read:—"LEAVELL always wanted to know the value of an ore. He would say, 'If I see a \$ mark on it I know what it means.' He and COUPAL were crossing the Common one day and were talking about some gold-bearing gravel in Alaska, worth twenty cents a cubic yard. 'Twenty,' said SAMMY, 'why, if that were in California, there would be big money in it.' 'Sure,' replied LEAVELL, 'the place makes all the difference in the world. See that pond? Why, if we had that in Hell, we'd get \$3.00 a quart for it.'"

The Bursar stopped, smiled and slowly looked over the class. With his whole heart he said, "Boys, stand up! 1907 was a great class, wasn't she? Here's to her!"



## JUNORS



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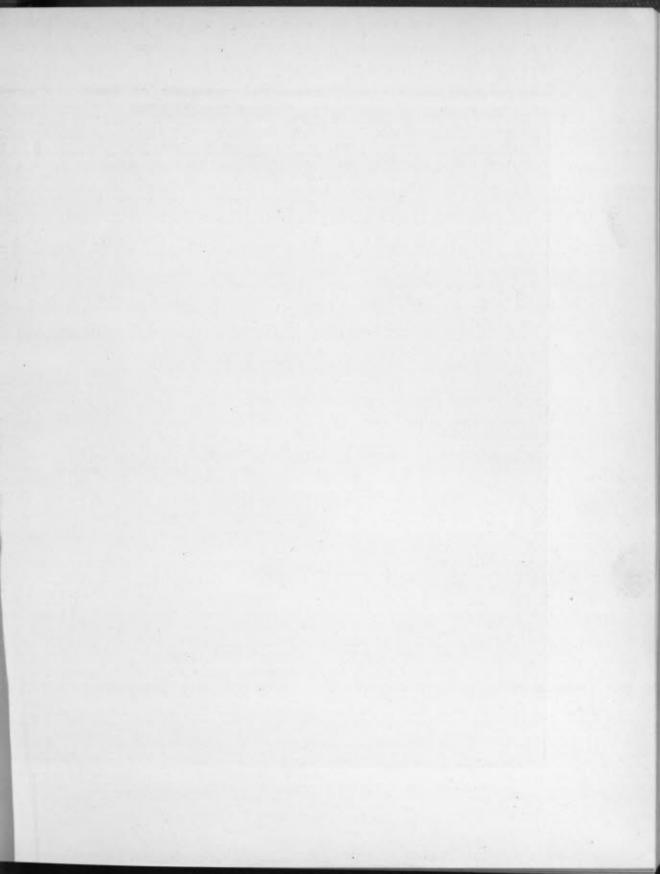
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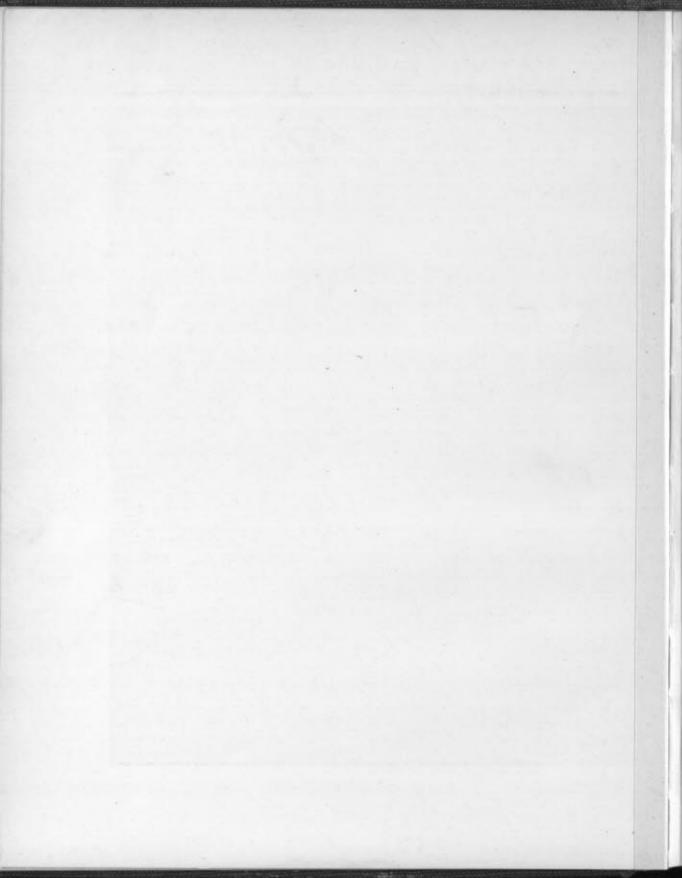
W. A. Adams

H. WEBB









 
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183 Sutton, I. H.
6 Talbot, J. M.
68 Taylor, W. C.
62 Tetlow, J.
117 Thode, A. F.
115 Thompson, A. H.
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32 Thompson, M. H.
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33 Towle, F. T.
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272 Curran, J. F.
261 Cushing, R.
301 Daley, M. J.
66 Davidson, S. L.
251 Davis, M. M.
135 Dean, A. T.
180 DeLoach, J. K.
145 Dennedy, J. H.
20 Denny, M. E.
91 Dexter, G. M.
1 Doane, R. E.
275 Dolke, W. F. Jr.
29 Doughas, A. S.
187 Drake, R. E.
143 Dun, H. W., Jr.
239 Eames, H. S.
260 Eaton, W. M.
82 Edge, A. F.
247 Edmonds, C. A.
86 Ellis, L. B.
59 Ellsworth, J. T.
292 Elton, H. C.
169 Esten, P. A.
26 Everett, W.
162 Fanning, P. R.
114 Faxon, H. C.
138 Fay, T., Jr.
128 Fernald, P. E.
300 Ferris, R. W.
33 Flaherty, H. W.
122 Ford, W. D. 207 Booth, W. E.
105 Bounetheau, H. D
213 Bowman, D.
245 Boylston, C. H.
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55 Boylston, W. W.
25 Bradford, A. H.
54 Bremer, A. E.
134 Bridgman, G. T.
129 Brooks, J. C.
48 Brown, C. O.
90 Brown, E. L., Jr.
237 Bullard, M. L.
149 Burch, J. M., Jr.
274 Burgess, H. L.
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106 Calder, H. W.
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53 Hathaway, J. W.
37 Hayes, M. C.
191 Heard, E. F.
96 Heath, A. W.
212 Hedge, L. B.
57 Heilman, W. R.
220 Heimer, P. H.
202 Hinckley, A. T.
278 Hollender, C. E.
74 Hoole, H. W.
119 Howland, H. H.
98 Hussey, C. L.
107 Hyde, R. T.
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268 Robinson, F. J.
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248 Ruggles, H. J.
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92 Sando, J. B.
288 Savage, E. M.
110 Scannell, A. T.
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221 Schirmer, R. E.
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50 Schobinger, G.
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199 Scott, E. J.
63 Sewell, H. R.
218 Shalling, H. 227 Maxwell, D. H.
38 Mayo, L.
12 Merrill, A. C.
155 Millard, R.
259 Morrison, C. W.
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65 Munoz, R. F.
267 Myers, E.
235 Navarro, M. A., '09
176 Newhall, E. H.
121 Nicholas, H. G.
232 Nichols, A. C.
161 Nichols, J. R.
244 Nicol, N. C.
67 Nix, L. D.
238 Noble, H. J

21 Johnson, O. A.

285 Youngerman, C.

## Officers of 1908

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#### Freshman Year

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Institute Comn		2	*	GEORGE T. GLOVER HARRY A. RAPELYE		
Executive Com	mit	tee	100			F. J. FRIEDMAN B. F. GIMSON

















AT THE OLD

## INSTITUTE

## Naughty-Eight Vaudeville Troupe

For the

Season of 1904-1908

#### What the Newspapers say of the Troupe

- "We highly recommend the troupe as representing the best grade vaudeville."

  —Boston Transcript.
- "Yes, the laughites have truly hit Greater Boston."-Roxbury Gazette.
- "Go to the old INSTITUTE this season and dispel your gloom." Boston Post.
- "Better than the usual goods at the old INSTITUTE this season."

-Chelsea Chronicle.

#### CHARCES

TERMS: CASH, and IN ADVANCE. One price throughout; \$250 per year, or \$1,000 per season. From the miners and chemists a large deposit is demanded, as the Management fear for the furniture. Rebate is given by the Management to those who keep out of the cast. Secure tickets at the Bursar's window early and avoid the mush.

#### MANACEMENT

DR. H. S. PRITCHETT, M.D., President ex-tempore.

D. P. Bartlett, Secretary pro-tempore.

WALLIE HUMPHREYS, Office Boy, sub-tempore.

#### First Year Program

INSTITUTE

THIS WEEK

## The Naughty-Eight Vaudeville Troupe

Something New, Boys!

We are starting the new year at lightning pace—at this clip all past records will go by the board. You can bet we never put on any rubber bumpers to soften the sound, so unstrap your leather—in other words, dig down deep—loosen up. The OLD INSTITUTE'S one best bet this year is Francis McGuigan & Co. Get in while it is soft. And our girls—why they're all a bunch of clinchers—slick, spick, and span. These are the clutchers that will make you feel like the candy kid—and that's no kid.

Francis McGuigan & Co.

In an entirely original rag-time comedy musical act that gives you that chuck-chuck feeling from your pompadour to your pedometers. They will kindle your fire of admiration when they turn out that tuneful comedietta, "College Politics," Here's where you get your money's worth in laughs.

#### Bill - Adams - Bill

A peacherino who chimes choice, catchy concoctions and gets away with a scream every time. He's the little daisy what never passes out any old phony souvenirs — not him. He can throw his voice anywhere, but it knows the road home at mealtime. Eighteen minutes of one continual roar.

Hobe Ferris and Fatty Hall

Here's a screaming turn that never fails to please. "The Recruit and the Sergeant" is the way the postmark reads, and they'll deal out an opener that will hit the mark. It's true to life — you can't yet away from that.

#### Thode

Allan F. —— the real one. A paragraph penner of pungent pickings. He's got all the rainbow chasers flagged long before they start. His phenomenal outburst of vapor will keep you bubbling over.

#### **Carter and Ames**

Twenty-third degree comedians in a laughing absurdity, "Wearing the Gold Braid." The cleverest fun-makers in an entertaining bit of burlesque tragedy. This couple certainly wears the winning medals.

#### P. B. - Barrett - P. B.

Not the P. B. from Sullivan Square, but the P. B. from East Taunton—his first, last, and only appearance in Boston. A merry-making midget — small in stature, but a big fellow in every other way. Paul with his pipe and cane causes a laughing barbecue every time he shows his turn-ip nose outside the wings.

**Kurt Vonnegut** 

Kurt is quite a stutterer when he does that Deutscher spiel act, and as the German innkeeper he is about the limit. His imitations are never such as to call for the Hammer or the Hook.

#### **Eddie Allen**

The tramp soldier boy will give a short monologue skit entitled, "To Drill or Not to Drill." See this screamer early as he will not be with us long. Warranted novel and unique.

#### Stevens and Pierce

Freddy, the strong, and Bill, the mighty, in their juvenile duet "How to Pull on a Rope" are all to the berries. Bill will also give an imitation of a Canadian dray horse in action.

Civen and the Major

Bill is a little fellow, but how sassy! See him cut up didos on the Major and get canned.

#### Police - Police - Police

Don't get frightened boys, it's only Captain Hall, Lieutenant Watson, and the rest of the big-foot brigade who are going to demonstrate how to dispel a mob riot on the steps.

## Naughty-Eight Burlesquers

Perhaps you have yourself on the H<sub>2</sub>O caboose — well, if so, you are due for a fall. You will be intoxicated with joy after seeing our lovely buds bud forth. It's about time to knock off your lemon diet, and get your digestive apparatus in working shape. The Athletic Girls will keep you in a flutter while they do their twisters.

#### SMASHERS

Helen Child Georgina Glover Alice Ellis Cap Barnes Leah Gerould Aggie Rapelye Ruthie Regnell Edith Williams Mazie Allen Rae Heilman

#### DASHERS

Rena Todd Leah Loomis Carrie Steele Cassie Edmunds Jennie Brooks Thea Orr Frances Dwight Ella Weinz

#### Second Year Program

AT THE OLD

## INSTITUTE

THIS YEAR

## The Naughty-Eight Vaudeville Troupe

Busy

Get busy — Our big, brilliant, blustering, boisterous, business burg has copped this name as its motto which is only a nickname for something doing, the sign posted at the cross roads which leads everyone to the Old INSTITUTE. Brown and Gregory, who dare all perils, even the janitors and the Faculty, to do their wild midnight stunt, will be one of the featured teams of the year. Ellis and Sando, who hold membership cards in the lovesmith's union, will make things hum. A bracer will be uncorked to you this year. Shift your luck and send Physics and that blue feeling into exile. Shows may come and shows may go, but the old Institute runs on forever.

**Brown and Gregory** 

Presenting a tight rope oddity. Knights of the threadwire in a number of sky antics that can't be beaten. The nattiest mixture of wire stunters and fire-escapers that ever came down the side of the Walker building. It is just like getting compound interest on your money to see them drape the NAUGHTY-EIGHT banner in the zephyring breezes.

#### Ellis and Sando

A couple of swell lookers who came in on the limited because they're so swift they've got to travel on the flyer. When Alexander and Josephine get together in the firelight in their unparalleled love scene they make Antony and Cleop look like a couple of selling platers. Josie in the gloaming is good to look upon, and you will wish you were Alex yourself. Also character changers in a dazzling singing and dancing turn that is all to the lilies.

#### Bill - Adams - Bill

Our old favorite will appear in a new role, the Yankee humorist, the greatest of monologue spinners; author of "How to be a Financier," and other side splitters just as popular. Bill will hand out a few of his dividend payers. If a song won't reach you, he'll unload a number of real hard luck stories. You might as well dig into your jeans when he starts on your trail.

#### Orr, Barnes and Blackburn

The ruby topped trio in a front row illusion act that puts you in a trance for keeps. See Tommy in a startling aerial act. See Blackie do the whirligigs. See John Stetson resplendent in the glory of glad rags and his own dignity. As a grand finale to their turn they will pass under the Cooper-Hewitt lamp and have their vermilion tresses stained a Tyrian hue.

#### Ellsworth

The baby-faced Hercules — a second Jim Jeffries. You'd never dream it of him when he happens on in his natty suit, wearing a Mogul cigaroot in his face. Watch as he man-handles the ruffians. He's the picking of the pickings.

#### Ed. Williams

You're going to see a fellow who's the greatest and most wonderful imitator in the world, and a raft of hilarity will be in store for those who are tired of riding on the refrigerator car. His rural imitations will take you back to "the good old days down on the farm." Also a clever sketcher. An act that is sure to burn.

**Weiney Weintz** 

Can be everything from a Yid to a Yank. Can shmooze as well as say "b'gosh." Doesn't know when to stop. Ranks with Kellar in slight-of-hand tricks, and fades slowly from view in full sight of the audience at the end of his turn. This act is a better nerve-thriller than the annual reports.

Ford and Boylston
A slam-bang act by slam-bang actors. Also several biffs, and bingles. This pair will land the ball over the right field fence every time at bat. Physical culturists and strong armers who hit from the shoulder everytime. Just an amusing mixture of dexterity and shiftiness that cops the green goods.

#### Hunt. Childs

Hunt is the man with the stretch — the greatest punt and drop kicker ever seen in the Hub. He does a lightning change act at the end and presents a short but wonderfully-woeful ditty, "How to be Moral on Tech Night."

## Naughty-Eight Burlesquers

Our bunch of crushers are going to unfold something this year that will put the Freshies on the shady-side, way out in dope-land. The vivacious sparkle in their eyes as they proceed to trimly trim Johnny Fresh, makes them look like the only bunch that ever rode on a Brookline car. The saucy ones certainly have got all of the instructors in a flutter. Do you wonder that the Faculty become candidates for the nuttery after seeing the reports of these whirlers? Their lively gingerine act will give everyone a laughing hemorrhage.

#### CRUSHERS

Evelyn Grunsky Fanny Beliveau Hattie Wellington Hazel Richardson Nellie Webb Rosie Callaway Winnie Barton Maggie Daly Rena Ripley Josie Tobin

#### GUSHERS

Hazie Allen Lillian Soule ena Wemple Bettie Correll Elsie Smith

Susie Daddow Flossie Stevens Dollie Bowman Lizzie Hedge Lottie Coffin

#### Third Year Program

## INSTITUTE

THIS YEAR

#### Hop

Perhaps you think we are going to ring in that old gag about the Junior Prom or about the Spring Concert. If so, back up, you are in the wrong stall. Hop is the beverage of the pill-smoker, the nectar of the Registrar, not the drink of the wise gazabo. The old NAUGHTY-EIGHT troupe never hands out any poppy dreamers in the line of performers. We're not filled with hop when we put you wise to Pop Gerrish, that great political tout in his fast, furious, fun-making furore. Overlook for once that you are a wooden Indian — swipe a year or two off and come to the old Institute. Here Lady Nicotine reigns supreme.

#### Pop — Gerrish — Pop

Pop is the biggest pebble in variety, and he is supported by as nifty a bunch of engineers as ever appeared at the old Institute. He stands as a King in "Why I Am President," acknowledged by the wisest judges as the greatest act of its kind. Take a look at the real thing. See Pop do it.

#### Bill - Adams - Bill

Still with us. It's a big surprise to the Faculty, but it's true. As the Yankee shouter from Roxbury, he's a whole army in himself — a bang-up clever bundle of atoms, who puts it all over and under anyone in his line. Bill will beat you to it when the notes burst forth. His newest tune, "Put an Ad. In Technique," will make the tightest unbelt.

#### Hall and Hall

Carl, the Short, and Eddie, the Long, in their rib-tickler "The Artist and the Grind," or "How to Work Thermo Problems." Are you looking for a laugh loosener? Here's one — and no mistake.

#### The Allen Twins

An electric flash of unparalleled success. Harry and Maurice will be seen in a brother act that's a positive nobility. Different, but you can't tell them apart. Watch close or they'll fool you.

#### Harry Rapelye

The beauteous faced boy from Hartford, the handsomest lad that ever came from the Nutmeg state. This lovely, delightful fellow is not a model for a clothing house advertisement, but is really good for something. Watch him as he does his "takeoff" over the elevated bar — not at the Chapel but at the Gym. Come on, girls.

#### Cole

Marcus is not a Roman, but a ventriloquist of the first water — introducing features never before attempted in voice throwing — He has even members of the Faculty guessing. Hear him in Pol. Econ. and you will have the ventro-craze.

#### Yhonnie Tobin

Aerial gymnast—comedy stunter—the most artistic as well as the funniest chap in his line. He performs a series of surprising feats on the apparatus showing the marks of originality and daring. He winds up with an entertaining bit of burlesque tragedy, "How to Be a Manager," in which he shows his innate fearlessness by bearding Briggs in his lair. A startling specialty turn.

#### Glover

Georgie comes from Nebraska where they grow cottonwood trees, jack rabbits, and cyclones. He didn't bring any of the cotton, but he carries a rabbit hoof, and smacks strongly of the whirlwind. Strenuous, striving and strategic, he's one of our best. You will lose that tired feeling when he brings on his latest "How to Look Happy with a Dozen Flunks."

#### Tsok Tse

No, Tse never worked in a laundry; he's a real mandarin from Canton. You will hope that they'll never let him back to the Celestial region after he does his turn. Here's where you do the kow-tow.

## Naughty-Eight Burlesquers

Fairy queens — just like bananas — all in a bunch. To you old codgers on the Faculty who are always on the inside when there's to be a killing, this will be just like taking milk from a bottle. However our merry bunch are out to make the Faculty sit up and take notice. Back to the Brush League for yours if you miss "JUNIOR WEEK." This is the liveliest and gayest little screechfest turned out in the four years. Simply the essence of gayety — a whirlwind of delight—the rollicking folly tormentors will skip about as nimble as kangaroos in their fascinating hobby "The Prom." "The Show" will also be screeched by the chicks—here's a chance to drive that grippe microbe from your system.

#### WHIZZERS

Irene Bridgeman Hazel Bounetheau Bessie Nix Cora Whitmore Bridget Putnam Winnie Heath Lilly Gimson Hortense Howland Sissie Ellsworth Nora Bullard

#### ZIZZERS

Betsy Cary Maggie Denny Gertie Witmer Sadie Munioz Cora Schriefer Etta Ruggles Janet Burch Rachel Weiler

The fourth year programs will be decided upon by Faculty vote. The management wishes it known that the old INSTITUTE will not more from its present site for many years to come. Also there will be no repairs made nor conveniences installed until the move is made.

SOPHOMORES



# Class of Nineteen Hundred and Nine

S

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## Exhibit Po. 1909

## Universal Society of Archæology A.D. 3000

The following interesting record was found in the newly discovered city of Boston. It was unearthed near the base of a large building with massive steps, and is supposed to date from the early part of the twentieth century.

## NOTE TO ARCHÆOLOGICAL STUDENTS.

Observe the fine finish (of class about examination time) and carefulness of detail.

## Page 1

#### Line I.

Represents a "Body" plentifully armed with coin entering an institute of learning.

Note I. From the inscription on the building the conclusion is drawn that the ancients had some knowledge of science.

Reluctant acceptance of coin by a small, baldheaded male figure, backed by his stenographer, who carves names for future reference.

Note II. Observe the charlot ready for instant flight,

#### Line II

Practically relieved of all their coin, the "Body" is set at stupendous manual and mental labor which proves most baffling.

Note I. Aid by superior figure with queer insignia '07 on breast.

Note II. Observe lucid explanation of work on wall.

Remark : - The object of this labor is not known.

#### Line III.

"Body" having obtained more coin rejoices at opportunity to do more good by giving it away and bless the quiet figure for giving them this opportunity.

Note I. Inscription above entrance of building as translated by our best archeologist reads "Machlachlan"; just what this means is not known.

Note II. Notice the tightness and narrowness of everything about the building.

#### Line IV.

"Body" again supplied with coin which is obtained from some mysterious and apparently unlimited source, overawed and terrified by herd of White Elephants attended by peaceful semi-baldheaded figure in noisy garments.

Note I. Observe the vicious and unwarranted attack on member of "Body" who has evidently purchased an elephant.

## Line V.

Operation performed on elephant. One page removed.

Note I. No elephant may be sold after once being operated on.

## Handsome figure vending garments.

Note II. Observe flowery language of vendor. Translation: "Good as new, fine, beautiful, only ten dollars," etc.

Note III. Observe marked improvement (†) of group after purchasing garments.

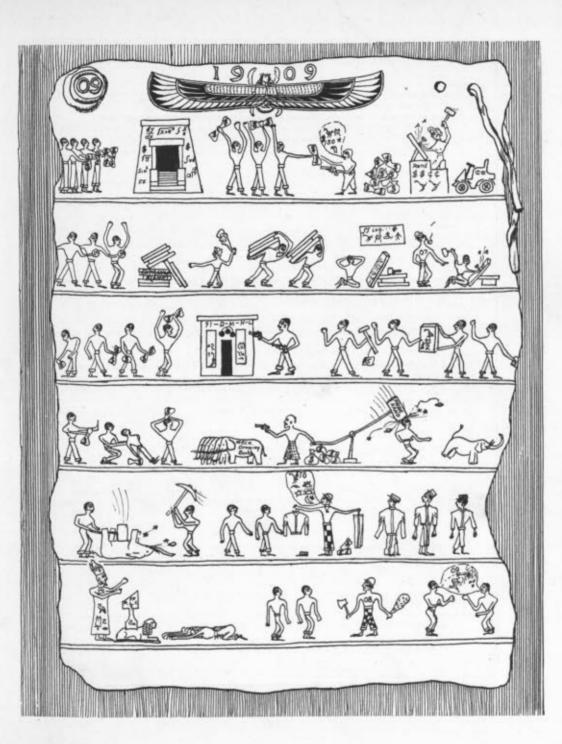
## Line VI.

Address by ruler, evidently a king.

Handsome, slightly superior figure, threatening body with violence.

Note I. Observe queer insignia on handsome individual.

Organization of group. Conversation translated as "Skyrocket! Siss -s-s-s-s-Boom!! Ab!! -9-9-9!!" Meaning unknown.



Page 2

#### Line I.

Physical Contests.

- 1. Rough, rude game in which neither side appears to be gaining supremacy.
- Test of fleetness of foot. Evidence of superiority of individual wearing insignia 8.
   Note I. God of Winds aiding individual wearing insignia 8.
- 3. Pulling contest. Very evident superiority of member of "Body."

#### Line II.

Vicious attacks on "Body" by gods, occurring about middle of year. "Body" overwhelmed by dangerous missiles.

#### Line III.

Representing a short period in which the survivors of "Body" partially recover from their injuries and the gods make ready their weapons for the second spasm.

Note 1. Observe large, deadly scymitar.

## Line IV.

Same short, baldheaded individual as represented on page 2, Line I, perpetrates a vicious attack for 100 coins on the "Body."

Note I. This indicates that the rough work is on for the second half.

## Line V.

Exhibition of dainty grace and fascinating figures by members of "Body" in disguise.

Note I. Observe the pleased audience on the extreme left.

Note II. Contortion in front is an airy kick.

#### Line VI

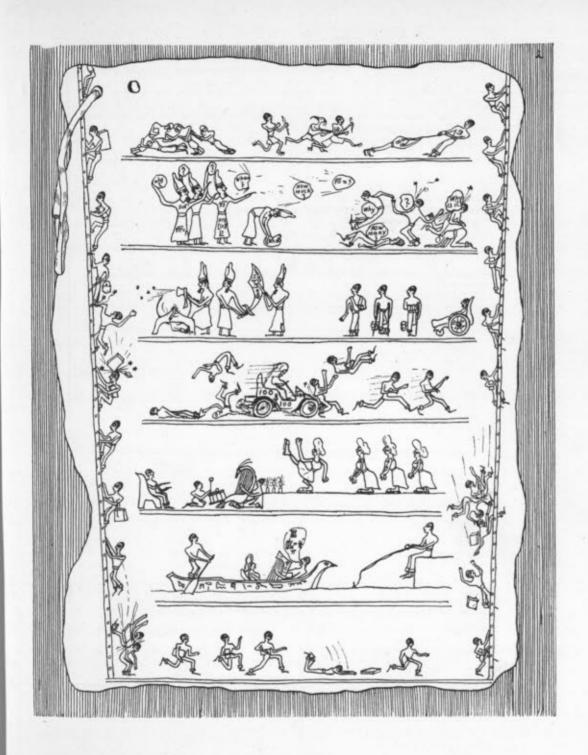
Survivors enjoying themselves in warm summer days of rest.

Note I. Member of "Body" in boat with young lady singing " Take Me Back to Tech,"

## Line VII.

Border figure of extraordinary interest. Comedy entitled "From top of Engineering A to top of Rogers in five minutes."

Note I. This is very evidently a continuous performance,



Page 3	-				_
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#### Line 1

Back at Tech. Group thrown into consternation by vicious brute poorly controlled by meek, bald headed god, with a wandering collar button.

## Line II.

Appearance of new group of youthful mien. Defence of Rogers steps by Bill Kelley of scrapping ancestors. Religious ceremony by '09 Rough-house committee. Baptism.

Note 1. Observe the hook.

## Line III.

Repulsion of members of new body who evidently had some faint idea of tearing down banner from support.

Note I. Observe how easy it is.

Two figures, wearing insignia "T" and "09" administering chastisement to two figures wearing insignia "H" and "10."

## Line IV.

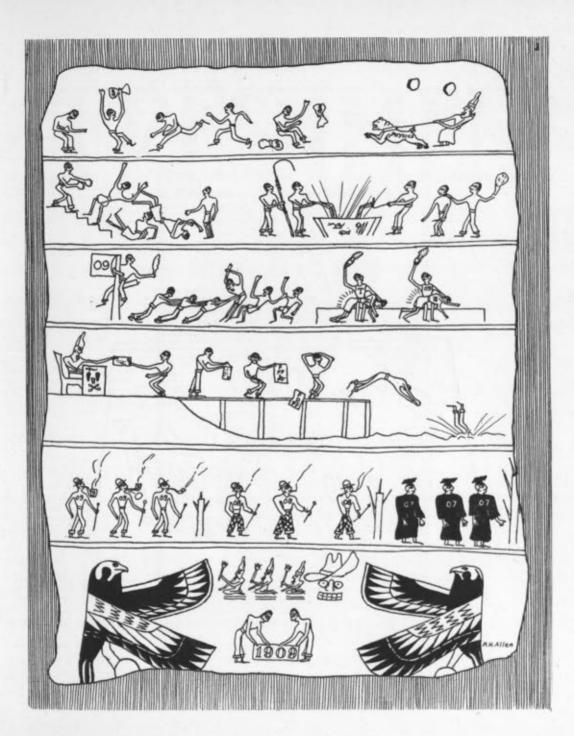
Valentines from the gods. Some members depart from the "Body."

## Line V.

Indicates position of "Body" with three difficult barriers to surmount.

## Tailpiece.

Indicates these episodes as occurring in the Third Dynasty of "Teddy the Teeth."





FRESHMEN



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F. K. Foster

F. A. HURLEY

# 1910

With A pologies to Palmer Cox



WAS in the autumn of the year,
When through the halls of Rogers drear
A band of children tramped, and sought
Where drawing boards and ink were bought,
Or tried to fill out Walter's cards,
And hopelessly got lost in yards
Of thick red tape which covered all,

Like some thick scarlet deathly pall.

For two long days they wandered round,
But all the cards could not be found,
So having nothing else to do
The buildings they did start to view,
And with delight they soon espied
Long banisters down which to slide.
But hold! Ere yet the first his grip
Had loosed, to start his flying trip,
Along the banister below
He saw of shining knobs a row,
Which bore the words in letters clear,
"Freshmen will do no coasting here."
Then many wondered, could this be
Some work of dreaded Harry T!

Next afternoon the Juniors, bold,
Corraled the Freshmen in their hold,
And told of "How we licked the Sophs,"
And the best ways to bluff the Profs;
Of football, and of tugs of war,
Of tennis, hockey and much more.
From which, in time, the meeting went
To choosing of a president;
Th' election was a beauty show,
Where candidates stood in a row,
And he who handsomest did seem,
The worthiest the class did deem.

## · TECHNIQUE · 1908 ·

While yet the ballots were not cast,
There came a cold and wintry blast.
Then quicker than the lightning's flash
Naught Nine burst inward with a crash.
The fearful battle lasted long,
It was a battle of the strong,
And when the smoke had cleared away
For seats there were some bills to pay.
'Twas thus the formless, untried mass
Became a strong and solid class.

Right soon the days of play were done,
And all the youthful classes' fun
Was proving L + F × m
Was equal F F's logarithm;
Or else they worked at grinding ink,
And wasted hours at the sink,
While thinking much of many things,
Of Charles and other uncrowned kings.
Once every week, all dressed in blue,
They drilled for weary hours two,
And learned? what "front to flank" doth mean,
And what great generals there have been,
Who used an angular frontier
To make opponents quake with fear.

Such peace and quiet could not last;
Erelong the Juniors' trumpet blast
Did far and wide the Freshmen call
To meet once more in Rogers hall.
An orator did then appear,
Who said, in words more strong than clear:
"You — x — x greasy grinds!
Can't I impress it on your minds?
You didn't come to Tech to work,
And in your dingy rooms to lurk!
You — x fools, you came to play,
And to win glory on Field Day

## · CLASS HISTORIES .

As I have done. This you must do Or else . . . . I'll never speak to you!" When Nineteen Ten this threat did hear, They all did tremble much with fear. Each did the best that he could do To keep the curse from coming true. Upon the rope they tried to haul, They ran, and fell upon the ball. Filled with the spirit of the fight, The bravest to the Tech did write. So every Freshman soon did feel The bounding thrills of martial zeal. Then Nineteen Ten a dinner had. The mem'ry of which makes us sad. The Union was all brightly lit, The class did round the tables sit. And there were songs both loud and sweet, But nothing like enough to eat! Despite their hunger. Ten did cheer. For that great day was drawing near When they should meet their hated foes. And battle with them to the close.

\* \* \* \* \* \*

The night was black, the wind was high,
The storm clouds scudded o'er the sky,
When through the rain one Freshman crept
Toward where the Soph'more sent'nels slept.
A pause, a rush, and then a roar,
As that brave Freshman climbed, and tore
Naught Nine's great banner to the ground,
While all about there was a sound
Of running feet as Nineteen Nine
Re-formed its broken battle line,
And charged, and struggled in despair
Their banner from our hands to tear.
They were too weak, they broke and fled,
While our boys following were led
Far from their friends, and were ensnared,

## · TECHNIQUE · 1908 ·

And to Jamaica Pond they fared.
The captured banner then was lost,
And Nineteen Ten was swiftly tossed
About, until but very few
Remained unto her banner true.
These few did yet again essay
To put her banner up to stay,
But all in vain. — The dawn's gray light
Revealed once more a patch of white,
Where high aloft, upon a tree,
Nine's banner hung in victory.

The sun shone bright o'er all, next day, The fair, bedecked in red and gray, Came forth and soon the bleachers filled, To see the blood that should be spilled, When the brave knights of Nine and Ten Should prove which were the better men. The fight was long, the battle hard, The teams contested every yard. The football game came out a draw. And then, 'midst many a wild hurrah, Our team did win the tug of war, Which piled more points upon our score. A pause, and then the pistol's crack: The sprinters leaped along the track. And as they strove at breathless speed Again our men went to the lead. The rest we know. Why here relate? T'was not Naught Nine beat us, 'twas fate. Our "boys" had whipped those "great big men," And we were proud that we were Ten.

That night we to the theater went, And being all on pleasure bent, Brought with us flags of red and gray To make the Tremont look more gay. Now when we came to take them in, The usher gave a knowing grin, And said, "No banners go up here."

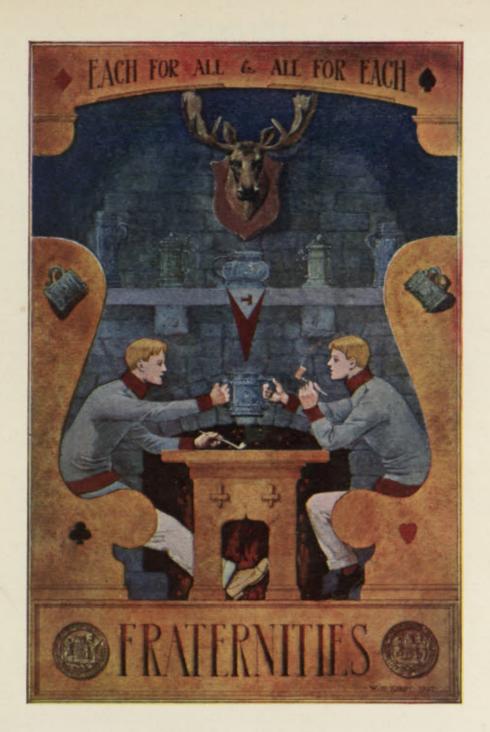
## · CLASS HISTORIES

Which fact we thought was rather queer;
Naught Nine could hang its banners high,
But we could not! I WONDER WHY?
But Freshman heads are hard and strong,
Fitzwaters' coat is wide and long,
Black also, in with something came,
Ten's banners went in just the same.

Now that Ten's battles fierce were o'er We settled down to work? once more. We learned: "This barn looks as it looks, But that is as is found in books Of that great science called descrip, Into whose pages we shall dip:" Or of cotangents and of sines, Of graphs, and properties of lines. We learned so much the faculty Were frightened and did soon decree That there should be exams, to let Us have a good chance to forget The extra knowledge in our brains, Which we had gained with so much pains. Now since they're over, we agree We must know more to see a C. So has the band of children grown Into a class which stands alone. Some think that we are children still. Perhaps we're not vet men. But whate'er we be, here's three times three To our class of 1910.



1907 Technique Rush



HE GREEK LETTER
FRATERNITIES REPRESENTED AT THE
MASSACHUSETTS INSTITUTE OF
TECHNOLOGY IN THE ORDER
OF THEIR ESTABLISHMENT

# Siama Chi

## CHAPTER ROLL

		CHAPTER ROLL	
1855	Gamma	Ohio Wesleyan University	
1857	Eta	University of Mississippi	
1858		Indiana University	
	Xi	De Pauw University	
	Omicron	Dickinson College	
1860		University of Virginia .	
	Theta	Pennsylvania College .	
	Kappa	Bucknell University	
	Rho	Butler College	
1866	Zeta	Wash'n and Lee University	V
1868	Mu	Denison University .	
1869		Northwestern University	
1871	Chi	Hanover College	
1872	Sigma Sigma	Hampden-Sydney College	
	Beta	University of Wooster .	
1874	and the second s	Randolph-Macon College	
1875		Purdue University	
	Zeta Zeta	Centre College	
1877	Theta Theta	University of Michigan	
1000	Zeta Psi	University of Cincinnati	
	Alpha Theta	Mass. Institute of Tech.	į.
1882		Ohio State University .	
	Alpha Gamma Alpha Zeta	Beloit College	
		University of Nebraska	
1883		Illinois Wesleyan University	t.v
1883		University of Wisconsin	-2
1884	The second secon	University of Kansas .	•
1884		University of Texas .	
1884		Tulane University	
1886		A11. 1 (1-11	•
1886		University of California	•
1886		University of Minnesota	
1888		Univ. of Southern Cal.	
1889		Cornell University	
1890		Pennsylvania State College	
1891		Vanderbilt University .	
1891		Leland Stanford, Jr., Univ	
1891	the second secon	University of Illinois .	
1891		Miami University	
1892			
1892		Hobart College	
1893		Dartmouth College	
1893		Kentucky State College	
1893		Lehigh University Columbia University .	*
	Nu Nu	Columbia University	
1894		Columbian University .	
1895	Mu Mu	West Virginia University	٠

Delaware, Ohio University, Miss. Bloomington, Ind. Greencastle, Ind. Carlisle, Pa. Charlottesville, Va. Gettysburg, Pa. Lewisburg, Pa. Irvington, Ind. Lexington, Va. Granville, Ohio Evanston, Ill. Hanover, Ind. Hampden-Syd., Va. Wooster, Ohio Ashland, Va. LaFayette, Ind. Danville, Ky. Ann Arbor, Mich. Cincinnati, Ohio Boston, Mass. Columbus, Ohio Beloit, Wis. Lincoln, Neb. Bloomington, Ill. University Madison, Wis. Lawrence, Kan. Austin, Texas New Orleans, La. Albion, Mich. Berkeley, Cal. Minneapolis, Minn. Los Angeles, Cal. Ithaca, N.Y. State College, Pa. Nashville, Tenn. Palo Alto, Cal. Champaign, Ill. Oxford, Ohio Geneva, N.Y. Hanover, N.H. Lexington, Ky. Bethlehem, Pa. New York, N.Y. Washington, D.C. Morgant'n, W.Va.

1896	Phi Phi	University of Pennsylvania	Philadelphia, Pa.
	Tau	Roanoke College	Salem, Va.
	Xi Xi	Missouri State College .	Columbia, Mo.
		University of Chicago .	Chicago, Ill.
1899		T 4	Easton, Pa.
1902	Rho Rho	University of Maine .	Orono, Maine
1902	Alpha Eta	University of Iowa	. Iowa City, Iowa
1903	Tau Tau	Washington University	St. Louis, Mo.
1903	Upsilon Upsilon	University of Washington .	
	Psi Psi	Syracuse University .	. Syracuse, N.Y.
1905	Beta Gamma	Colorado College	. Colorado Springs,
			Colo.
1905	Omega Omega	University of Arkansas	Fayetteville, Ark.

# Sigma Chi

## ALPHA THETA CHAPTER

Established 1882

## Fratres

ROBERT BOYLE WALTER DICKINSON PAUL R. FANNING Winfield U. Foster PAUL H. FRETZ HENRY SCHUMANN-HEINK RAPHAEL G. HOSEA Macmillan H. Johnson, Jr. JAMES A. KANE

HOWARD J. C. McDonald James A. McElroy ROLANDO MARTINEZ STANLEY H. PAGE JAMES REED, JR. HOLDEN C. RICHARDSON ROY RYDEN ALEXANDER VAN KEUREN HOUGHTON H. WHITHED

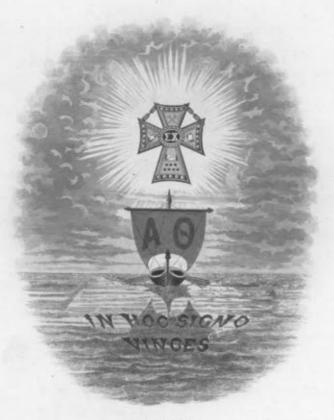
ISAAC I. YATES

## Fratres in Urbe

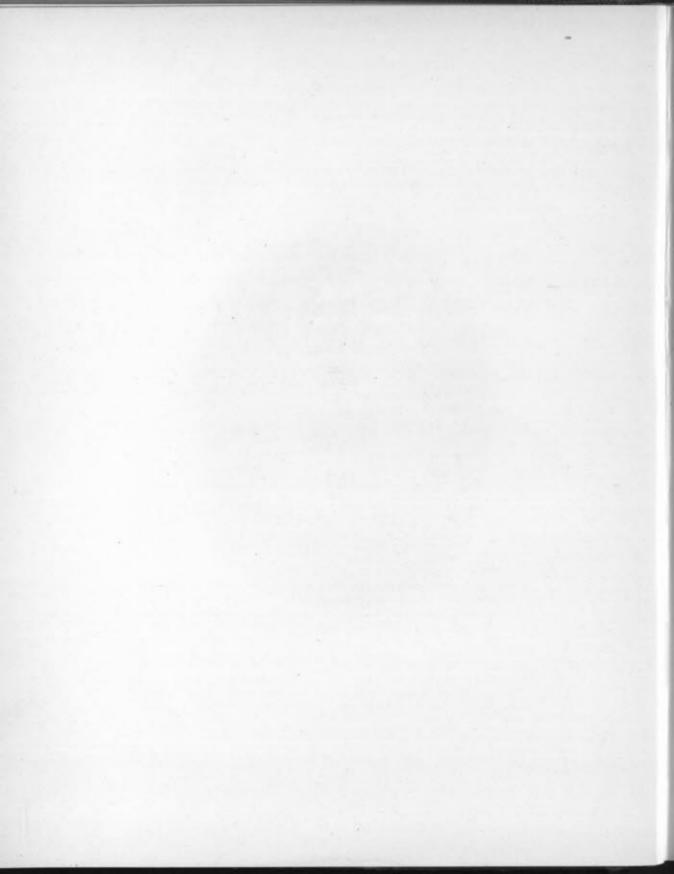
George McNeil Angier WINTHROP ALEXANDER ARTHUR FRANCIS BARDWELL John Andrew Curtin WILLIAM WORCESTER CUTLER WINTHROP DAHLGREN John Ashley Highlands CHARLES FRANK HARWOOD HARRY R. VONDER HORST HARVEY HAYES LOCHRIDGE

RHODES GREENE LOCKWOOD JOHN BRUCE MCPHERSON Leon Gilbert Morrill James Stuart Newton ARTHUR SEWALL PERCY CLARENCE BREWSTER POWELL Lucius Spalding Tyler EDWARD CUTTER THOMPSON Edward Cutter T Von Ogden Vogt EDWARD PAYSON WHITMAN

311 Beacon Street



MINSORT Person



# Theta Xi

## CHAPTER ROLL

A	Rensselaer Polytechnic	In	stitute		Troy, N.Y.
В	Sheffield Scientific Scho				New Haven, Conn.
Г	Stevens Institute of Te				. Hoboken, N.J.
Δ	Massachusetts Institut				
E	Columbia University				37 37 1 37 37
Z	Cornell University			41	. Ithaca, N.Y.
Н	Lehigh University			,	South Bethlehem, Pa.
Θ					. LaFayette, Ind.
I	Washington University				
	Graduate Club .				

# Theta Xi

## DELTA CHAPTER Established 1885

## Fratres in Facultate

HARRY ELSWORTH CLIFFORD HENRY GREENLEAF PEARSON WILLIAM E. MOTT

## Fratres

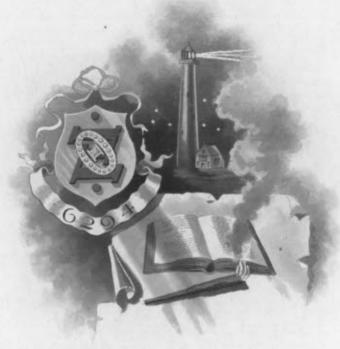
CLIFFORD ALBRIGHT
FREDERICK GERMAIN DEMPWOLF
VICTOR HYLE DICKSON
FRANK WALDO FRIEND
LUDWIG FRIEDRICH CARL HAAS
LEE KALBOCH
RINKER KIBBEY
GEOFFREY WELSH
GOD HENRY LITTLE
RODOLFO OGARRIO Y DAGUERRE
ANGEL GARCIA PEÑA
ARTHUR LEON STEIN
HORACE EUGENE STUMP, JR.
LAURENCE TIDD WALKER
HAROLD EASTMAN WEEKS

## Fratres in Urbe

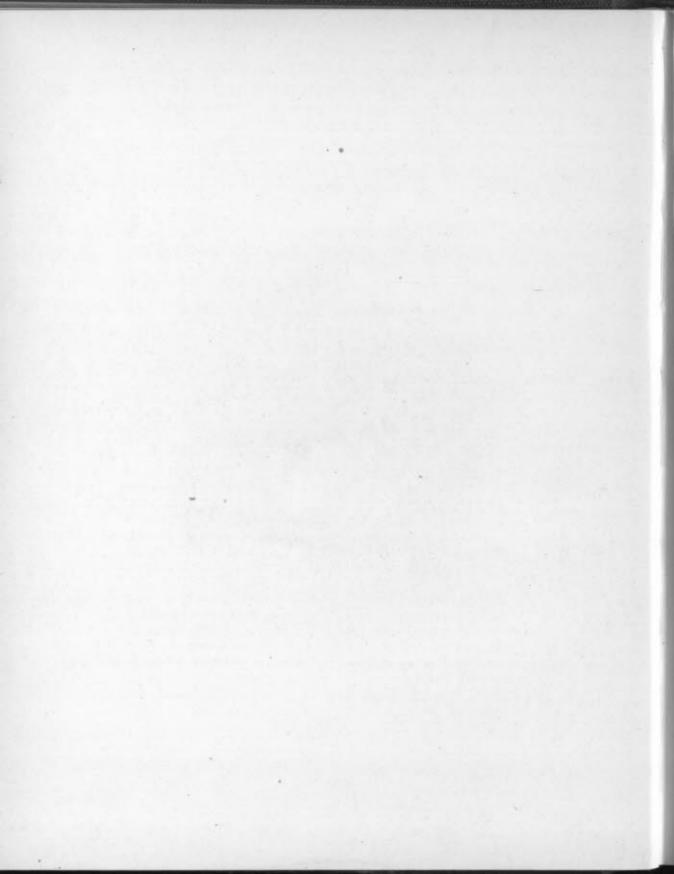
ARTHUR HUMPHREYS ALLEY
WILLIAM CORNELL APPLETON
JOHN ROSS BATES
ALBERT FARWELL BEMIS
ALFRED MILLER BLINN
EDWARD LYMAN BROWN
MORTON EDDY COBB
HENRY MARSHALL CROSBY
HENRY JOHN CONANT
CARROL CARY CURTIS
NATHAN BROWN DAY
FRANKLIN WHITNEY DOLIBER
GEORGE OTIS DRAPER
JOHN COWPER EDWARDS
HORATIO SOUTHWORTH FRAYER

CHARLES HAYDEN
CHARLES BURTON HOWE
EDWARD JOHNSON, JR.
FREDERICK WAIT LORD
ROY FISK LOVEJOY
BENJAMIN MADERO
HENRY ADAMS MORSS
HERBERT STURGIS POTTER
JAMES HENRY REED, JR.
CLIFFORD HOPKINS SHIVERS
TIMOTHY WILSON SPRAGUE
JOHN WATSON TARBOX
JAMES WINTHROP TEWKSBURY
REGINALD SPRAGUE TOBEY
WALTER BACON TROWBRIDGE

HARRY HAYWOOD YOUNG



Statute Dames



# Delta Psi

## CHAPTER ROLL

A	Columbia College		12.5	2	15	. New York City
Δ	University of Pennsylvania.				1	. Philadelphia, Pa.
E	Trinity College					. Hartford, Conn.
Λ	Williams College					Williamstown, Mass.
Φ	University of Mississippi .			-		Oxford, Miss.
Y	University of Virginia					Charlottesville, Va.
Z	Sheffield Scientific School .					New Haven, Conn.
T	Massachusetts Institute of T	echr	ology		(34)	. Boston, Mass.

# Delta Psi

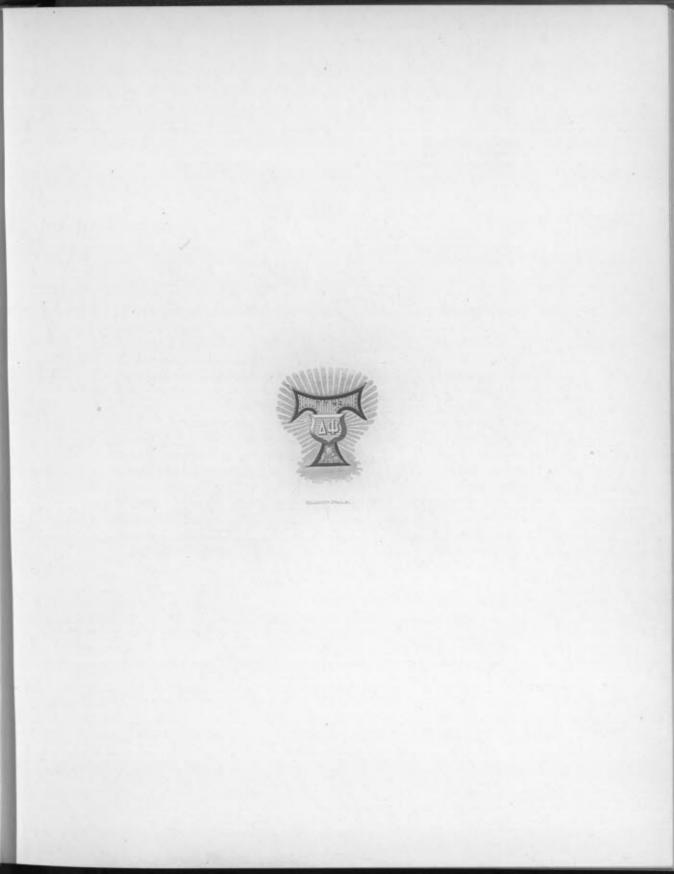
## TAU CHAPTER

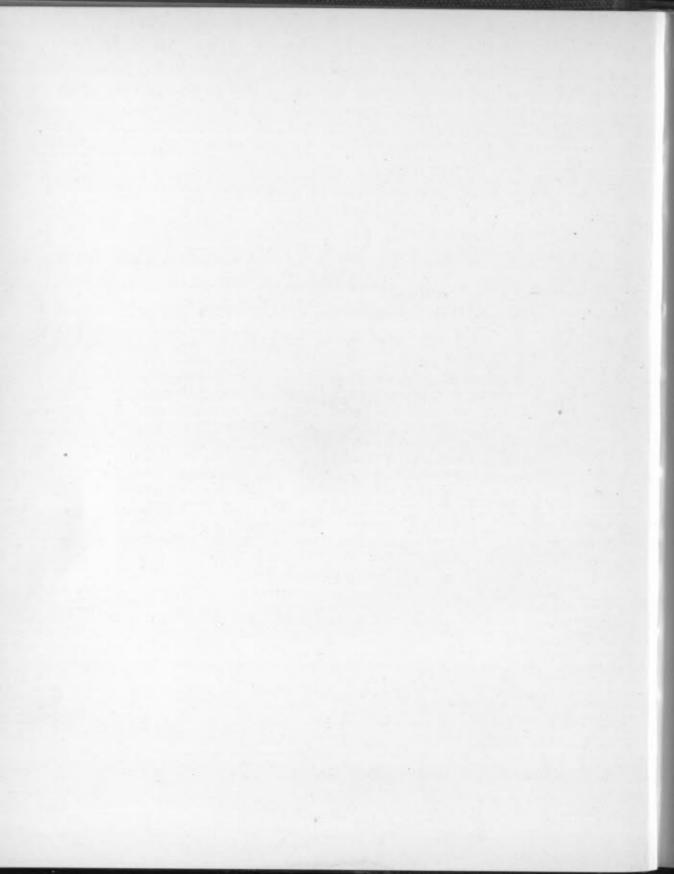
THOMAS HENRY ATHERTON, JR SAMUEL CABOT HARRY DALAND CHANDLER CHARLES ROBERT CROSS, JR. CHARLES FRENCH DOBLE HENRY WALKE DUN, JR. MONTAGUE FLAGG GEORGE THUMMEL GLOVER ALFRED GALPIN KELLOGG Bradford Buttrick Holmes Erle Francis Whitney

Douglas Crawford McMurtrie ROBERT FARRINGTON MAXCY KENNETH MOLLER WILLIAM GRAVES PERRY RALPH LINDER POPE HENRY RICE PUTNAM HARRY ANDREW RAPELYE JOHN RANDOLPH REYBURN CHANNING TURNER

JULIAN MAY WRIGHT

6 Louisburg Square





# Chi Phi

## CHAPTER ROLL

A	University of Virginia .					Ch	arlottesville, Va.
В	Massachusetts Institute of Te	echr	ology	у .		2	Boston, Mass.
Г	Emory College	-			- 1		. Oxford, Ga.
$\Delta$	Rutgers College	- 1	100			New	Brunswick, N.J.
E	Hampden-Sydney College .	1	-			Hamp	den-Sydney, Va.
Z	Franklin and Marshall College	е.					Lancaster, Pa.
H	University of Georgia						. Athens, Ga.
0	Rensselaer Polytechnic Instit						. Troy, N.Y.
1	Ohio State University						Columbus, Ohio
Λ	**						Berkeley, Cal.
M	Stevens Institute of Technological	gy					Hoboken, N.J.
N	University of Texas						Austin, Texas
Ξ	Cornell University						Ithaca, N.Y.
0	Sheffield Scientific School, Ya						w Haven, Conn.
P	Lafayette College						Easton, Pa.
Φ	Amherst College				2 %	21	
X	Dartmouth College						Hanover, N.H.
$\Psi$	Lehigh University					South	Bethlehem, Pa.
Ω	Georgia Institute of Technolo						1.1 . 0

# Chi Phi

## BETA CHAPTER

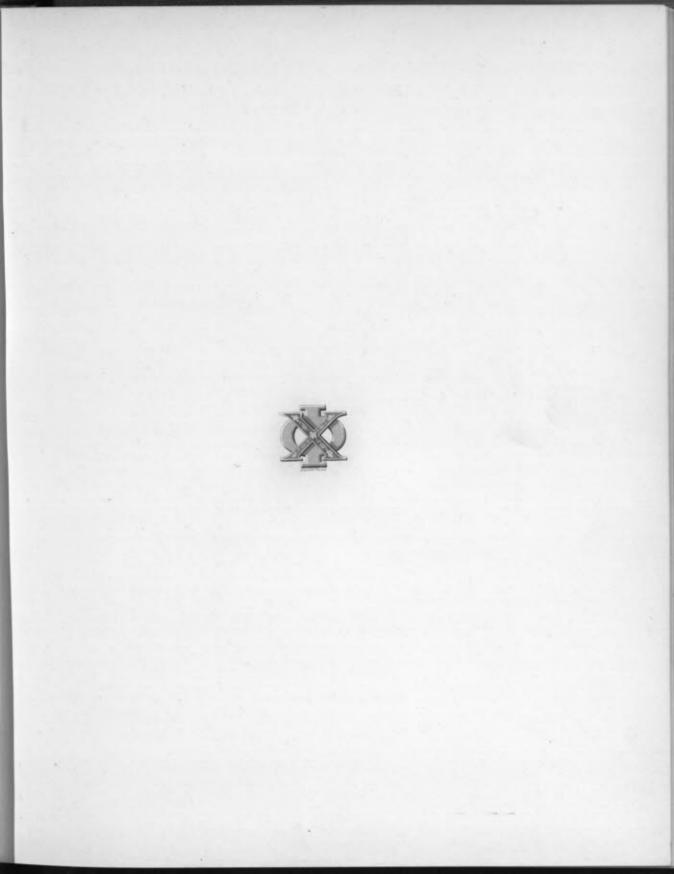
Established 1890

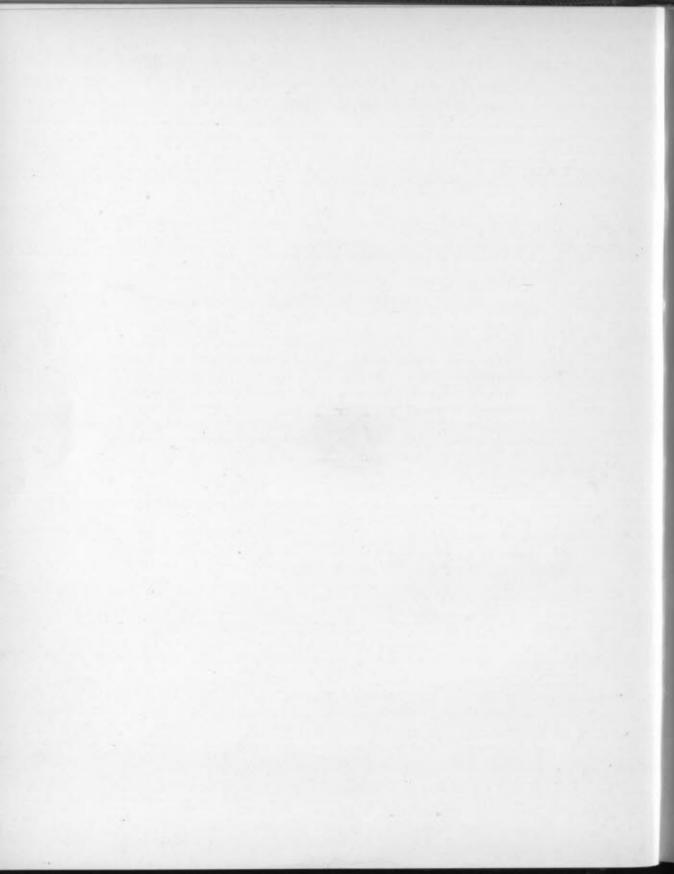
EGERTON MITFORD BETTINGTON CHARLES EATON CREECY MAURICE EDWARD DENNY JOHN JACOB ELBERT John Evans CHARLES WILLIS FISHER, JR. PAUL RULISON POWELL WILLIAM BARNS GIVEN, JR. LEE HAGOOD LUCIUS FELT HALLETT

LESTER HAZEN KING GEORGE CARRINGTON MASON Frederic Bassett Menner NATHAN ATHERTON MIDDLETON DUDLEY WINSTON PHELPS GEORGE MACKAY ROADS NATHANIEL STEVENS SEELEY THOMAS ATKINSON TILLARD John Matthews Hatton George Stone Witmer

FREDERICK BRAYTON WOOD

44 The Fenway





# Delta Kappa Epsilon

Phi	Yale University .						1844
Theta	Bowdoin College Colby University Amherst College Vanderbilt University University of Alabama						1844
Xi	Colby University .						1845
Sigma	Amherst College .						1846
Gamma	Vanderbilt University						1847
Psi	University of Alabama						1847
Upsilon	Brown University .						1850
Chi	University of Mississip	pi .	100	8			1850
Beta	Brown University University of Mississip University of North Co	rolin	a .				1851
Eta	University of Virginia						1852
Kappa	Miami University .	- 0					1852
Lambda	Kenyon College	- 0				- 8	1852
Pi	Kenyon College Dartmouth College Central University of I Middlebury College University of Michigan		1,000				1853
Iota	Central University of I	Contr	iekv			**	1854
	Middlebury College	rente	icky		3		1854
Alpha Alpha	This pritty of Michigan		1			- 5	1855
Omicron	William College				2.9	**	1055
Epsilon	Williams College .				9	*	1000
Rho ·	Latayette College .	191	1.2				1800
Tau	Hamilton College .		-				1856
Mu	Colgate University .						1856
Nu	College of the City of 1	New	York		97		1856
Beta Phi	University of Rocheste	er .	**		3.5		1856
Phi Chi	Williams College Lafayette College Hamilton College Colgate University College of the City of I University of Rocheste Rutgers College De Pauw University Wesleven University						1861
Psi Phi	De Pauw University	12	10				1866
Gamma Phi	Westeyall Childer					* *	400
Psi Omega	Rensselaer Polytechnic	e Inst	titute				1867
Beta Chi	Adelbert College .						1868
Delta Chi	Adelbert College Cornell University					-	1870
Delta Delta	Chicago University .						1870
Phi Gamma	Syracuse University					37	1871
Gamma Beta	Columbia College				186	3	1874
Theta Zeta	University of Californi	9.					1876
Alpha Chi	Trinity College						1879
Phi Epsilon	Columbia College University of Californi Trinity College University of Minneson	0	- 1				1889
Sigma Tau	Massachusetts Institut	o of	Feehn.	olon	TV.		1890
	Tulono University	e or	recim	Olog	J		1808
Tau Lambda	Tulane University .			*			1000
Alpha Phi	University of Toronto		10		*		1000
Delta Kappa	Tulane University University of Toronto University of Pennsylv	ania	5		100		1009
Tau Alpha	McGill University Leland Stanford, Jr., 1			*	363		1901
Sigma Rho	Leland Stanford, Jr., 1	nive	ersity		(8)	361	1902
Delta Pi	University of Illinois						1904

# Delta Kappa Epsilon

## SIGMA TAU CHAPTER Established 1890

### Fratres in Facultate

Alfred Edgar Burton

GEORGE VINCENT WENDELL

#### Fratres

HORACE ETHAN ALLEN MAURICE EVERETT ALLEN Forrester Barstow Avery CHARLES WOLSTON COFFIN ALTON LESLIE DICKERMAN, JR. DAVID REED ELWELL WHEATON IRA GRIFFIN ROBERT MAYRO KEENEY CHRISTIAN KURTZMANN HAROLD LOCKETT

THOMAS WHITLEY ORR JOHN STEWART PEARCE MAURICE HENRY PEASE EARL HOWELL REED, JR. Winslow Davis Robinson George Forsyth Salisbury Myrton James Turnbull PRESCOTT KINGSLEY WADSWORTH ALLEN TABER WEEKS THEODORE BROWNING WHITTEMORE Francis Harrington McGuigan, Jr. William Lysander Woodward

PHILIP ENDICOTT YOUNG

#### Fratres in Urbe

CHARLES LYMAN ANSON THOMAS BUTLER BOOTH HOWELL FISHER WILLIAM STUART FORBES WALTER HUMPHREYS ALLEN WINCHESTER JACKSON HENRY ORLANDO MARCY, JR.

LEONARD METCALF Benjamin F. W. Russell WILLIAM OTIS SAWTELLE PERCY ALEXANDER STAPLES MAURICE DE KAY THOMPSON, JR. JOHN ALDEN TROTT EDWARD AUSTIN TUCKER

RALPH SPELLMAN WHITING









# Phi Beta Epsilon

Ve

LOCAL AT TECHNOLOGY

# Phi Beta Epsilon

Established 1890

### Fratres

RAYNOR HUNTINGTON ALLEN
FRANK SPENCER AREND
HARRY NELSON ATWOOD
WILLIAM WILMOT BOYNTON
MAXWELL ALANSON COE
COLBY DILL
HARWOOD YOUNG FROST
BASIL LOVIBOND GIMSON
PHILIP HART
HARRY LUCAS HAVENS
MATTHEW COWDEN HAYES
WILLIAM ROY HEILMAN

Walter Wellington King
John Insley Blair Larned
Richard Wheatley Lewis
Anthony Paul Mathesius
Malcolm Dana Price
Donald Goodrich Robbins
Leonard Pomeroy Russell
Frank Griffiths Taite
Edmund Leon Warren
Van Court Warren
Harry Webb
Joseph Damon Whittemore

### Fratres in Urbe

STEPHEN BOWEN
JAMES SALISBURY BROWN
PAUL ERNEST CHALIFOUX
JOHN PICKMAN DAVIS
RICHARD BAKER DERBY
NUGENT FALLON
WALTER HAVENS FARMER
SUMNER HATHERLEY FOSTER
RALPH STOWELL FRANKLIN
ANDREW DANIEL FULLER
GEORGE ARTHUR FULLER
GEORGE WELLINGTON HAYDEN

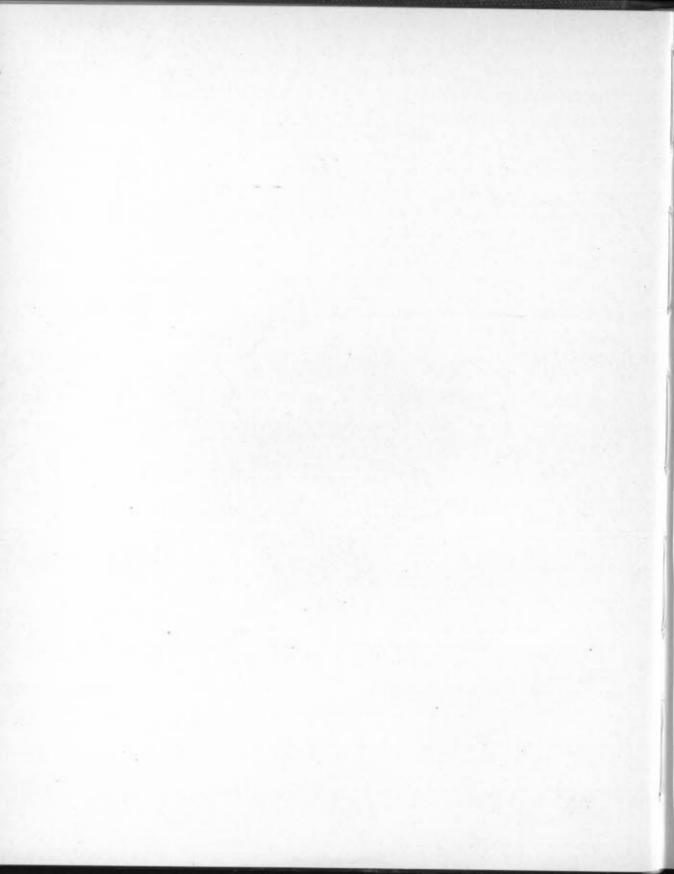
WALTER TURNER HOOVER
WALTER AUSTIN HOPKINS
FRANK KOLLOCK MITCHELL
GEORGE OWEN
THOMAS PENDLETON ROBINSON
CHARLES SAVILLE
CHARLES ADRIAN SAWYER, JR.
RALPH EDMUND SAWYER
GEORGE FREDERICK SHEPARD
LINCOLN ROCKWELL SOULE
WILLIAM COOLIDGE THALHEIMER
JOHN GIFFORD THOMPSON

WILLIAM MARTIN VAN AMRINGE

237 Beacon Street



SILICITY PRODUCTION



# Delta Upsilon

Founded at Williams College, 1834

				CH	APTI	ER F	SOLL		
1834	Williams								Williamstown, Mass.
1838	Union .							2	Schenectady, N.Y.
1847	Hamilton	,					*		Clinton, N.Y.
1847	Amherst								Amherst, Mass.
1847	Adelbert			81					Cleveland, Ohio
1852	No.				¥.)			4	Waterville, Me.
1852	Rochester								Rochester, N.Y.
1856	Middlebury								Middlebury, Vt.
1857	Bowdoin				65	2	340	4	Brunswick, Me.
1858	Rutgers				15	1		2	New Brunswick, N.J.
1860	Brown		40					-	Providence, R.I.
1865	Colgate		10				3.		Hamilton, N.Y.
1865	New York	11	3		22	7			New York City
1869	Cornell	5	2				9		Ithaca, N.Y.
1870	Marietta	2	3	,	3				Marietta, Ohio
1873	Syracuse								Syracuse, N.Y.
1876	Michigan			,					Ann Arbor, Mich.
1880	Northweste	rn			41				Evanston, Ill.
1880	Harvard						14		Cambridge, Mass.
1885	Wisconsin		V-						Madison, Wis.
1885	Lafayette								Easton, Pa.
1885	Columbia							12	New York City
1885	Lehigh								South Bethlehem, Pa.
1886	Tufts .					2	3	22	West Somerville, Mass.
1887	De Pauw					7		-	Greencastle, Ind.
1888	Pennsylvan	ia			100	200	1		Philadelphia, Pa.
1890	Minnesota					7			Minneapolis, Minn.
1891	Technology						7		Boston, Mass.
1893	Swarthmore	9							Swarthmore, Pa.
1896	California								Berkeley, Cal.
1896	Leland Star	nford	Jr.						Palo Alto, Cal.
1898					i.				Lincoln, Neb.
1898	McGill								Montreal, Canada
1899	Toronto					VE		40	Toronto, Canada
1901	cut t						4	2	Chicago, Ill.
1904		2							Columbus, Ohio
1905	Illinois						2	200	Champaign, Ill.
									1 0 1

# Delta Upsilon

### TECHNOLOGY CHAPTER

Established 1891

### Fratres in Facultate

FRANK VOGEL LOUIS DERR HARRISON W. SMITH

### Fratres

ARTHUR KING ADAMS
WALTER JAMES EMMONS BARCUS
JOHN STETSON BARNES
GRENVILLE TEMPLE BRIDGMAN
JOHN CUMMINGS BROOKS
MILTON STANLEY CLARK
JAMES HOWARD DENNEDY
ALBERT HENRY DONNEWALD
MARION
FRED M
HENRY

MARION HENRY FOSS
FRED MORTIMER GREEN
HENRY NORRIS HARRISON
FRANCIS BREWSTER HOOKER, JR.
ARTHUR KNOX MITCHELL
GEORGE HENRY REPPERT
HUGO ARNOLD SCHULE
HENRY LANCEY SHERMAN

KURT VONNEGUT

#### Fratres in Urbe

JOSHUA ATWOOD, 3D
RUTHERFORD BINGHAM
ALBERT SHIRLEY BLACK
GEORGE PHILLIPS DIKE
CHARLES DUNN
CHARLES WARREN HAPGOOD
CYRUS HOWARD HAPGOOD
JOHN WINSLOW HORR
WILLIAM SPENCER HUTCHINSON
FRANK BALDWIN JEWETT
PHILIP JOHN KEARNEY
ARTHUR SAMUEL KEENE

ALBERT LINCOLN KENDALL
WALTER ELBRIDGE PIPER
CHARLES ARTHUR RECORD
THOMAS GLEASON RICHARDS
MILES STANDISH RICHMOND
GARDNER ROGERS
JOHN CARLTON SHERMAN
CLIFFORD MELVILLE SWAN
ALFRED BALL TENNEY
GILBERT SANDERS TOWER
EVERETT PENDLETON TURNER
HOWARD CHUBBUCK TURNER

HARRY WARREN UPHAM



RESPOND PRICE



# Sigma Alpha Epsilon

Founded in 1856 at Alabama State University, Tuscaloosa, Ala.

35.1 43.1		-			
Maine Alpha	University of Maine	1			Orono, Me.
Massachusetts Iota Tau	Massachusetts Institute	of Te	echn	ology	
Massachusetts Beta Upsilon				χ.	Boston, Mass.
Massachusetts Gamma	Harvard University	9			Cambridge, Mass.
Massachusetts Delta	Worcester Polytechnic	Insti	tute		Worcester, Mass.
New York Alpha	[21] [3] [4] [4] [4] [4] [4] [4] [4] [4] [4] [4				Ithaca, N.Y.
New York Mu	Columbia University				New York, N.Y.
New York Sigma Phi	St. Stephens College	2			Annandale, N.Y.
Pennsylvania Omega	Allegheny College .		4		Meadville, Pa.
Pennsylvania Sigma Phi	Dickinson College .			4	Carlisle, Pa.
Pennsylvania Alpha Zeta	Pennsylvania State Col	lege			State College, Pa.
Pennsylvania Zeta	Bucknell University				Lewisburg, Pa.
Pennsylvania Delta	Gettysburg College	¥.	4		Gettysburg, Pa.
Pennsylvania Theta	University of Pennsylv	ania			Philadelphia, Pa.
Virginia Omicron					Charlottesville, Va.
Virginia Sigma	Washington and Lee U	niver	sity		Lexington, Va.
Washington City Rho	George Washington Un				Washington, D.C.
North Carolina Xi	University of North Ca				Chapel Hill, N.C.
North Carolina Theta	Davidson College .				Davidson, N.C.
South Carolina Gamma	Wofford College .		00		Spartansburg, S.C.
Georgia Beta	University of Georgia				Athens, Ga.
Georgia Psi	Mercer University .				Macon, Ga.
Georgia Epsilon	T7 CV 11				Oxford, Ga.
Georgia Phi	Georgia School of Tech			40	Atlanta, Ga.
Michigan Iota Beta	University of Michigan				Ann Arbor, Mich.
Michigan Alpha	Adrian College .				Adrian, Mich.
Ohio Sigma	Mount Union College	3			Alliance, Ohio
Ohio Delta	Ohio Wesleyan Univers	ity			Delaware, Ohio
Ohio Epsilon	University of Cincinnat				Cincinnati, Ohio
Ohio Theta	Ohio State University			5	Columbus, Ohio
Ohio Rho	Case School of Applied				Cleveland, O.
Indiana Alpha	AND 1 A 11 OF 14		ice.	*	
Indiana Beta	** * ** * **	* :		*	Columbus, Ind.
Illinois Psi Omega			ŧ.	1	LaFayette, Ind.
Illinois Beta	Northwestern Universit				Evanston, Ill.
			4.		Champaign, Ill.
Illinois Gamma	University of Chicago	7.		17.	Chicago, Ill.
					Richmond, Ky.
Kentucky Iota	Bethel College .	0	4.		Russelville, Ky.
Kentucky Epsilon	Kentucky State College				Lexington, Ky.
Tennessee Zeta	Southwestern Presbyter		nive	rsity	
Tennessee Lambda	Cumberland University		•		Lebanon, Tenn.
Tennessee Mu	Vanderbilt University	4			Nashville, Tenn.

Tennessee Kappa Tennessee Omega Tennessee Eta Alabama Mu Alabama Iota Alabama Alpha Mu Mississippi Gamma Missouri Alpha Missouri Beta Nebraska Lambda Pi Arkansas Alpha Upsilon Kansas Alpha Iowa Beta Texas Rho Colorado Chi Colorado Zeta Colorado Gamma California Alpha California Beta Louisiana Tau Upsilon Louisiana Epsilon Minnesota Alpha Wisconsin Alpha

University of Tennessee University of the South Southwestern Baptist University University of Alabama . Southern University Alabama Polytechnic Institute University of Mississippi University of Missouri . Washington University . University of Nebraska . University of Arkansas . University of Kansas Iowa State University . University of Texas University of Colorado . Denver University . Colorado School of Mines Leland Stanford, Jr., University . University of California . Tulane University . Louisiana State University . University of Minnesota University of Wisconsin

Knoxville, Tenn. Sewanee, Tenn. Jackson, Tenn. Tuscaloosa, Ala. Greensboro, Ala. Auburn, Ala. Oxford, Miss. Columbia, Mo. St. Louis, Mo. Lincoln, Neb. Fayetteville, Ark. Lawrence, Kan. Iowa City, Ia. Austin, Tex. Boulder, Col. Denver, Col. Golden, Col. Palo Alto, Cal. Berkeley, Cal. New Orleans, La. Baton Rouge, La. Minneapolis, Minn. Madison, Wis.



# Sigma Alpha Epsilon

### MASSACHUSETTS IOTA TAU CHAPTER

FRANK FREDERIC BELL
HERBERT HAND BENNETT
HARRY NEWTON BURHAUS
MORTIMER PERRY BURROUGHS

[Mo. B.]

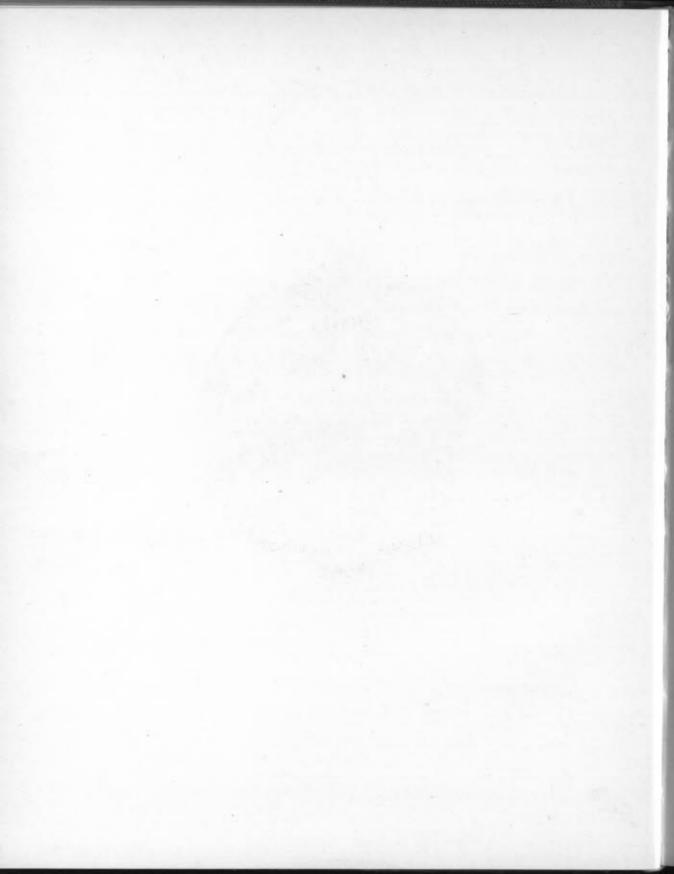
HORACE LITTLE CLARK
LANGDON COFFIN
NATHAN LINDEN COLEMAN [Col. X.]
STEPHEN LOCK DAVIDSON
WILLIAM HOWARD DUFFIELD
ROYCE WHEELER GILBERT

[Minn. A.]
GORDON MERCER GILKISON
LYNN SUMNER GOODMAN [Penn. Z.]

HOWARD HAZEN MCCHESNEY
HAROLD CROSBY MANSON
LINCOLN MAYO
REGINALD WILLIAM MILLARD
STUART READ MILLER
ALONZO LEMUEL MOSES
UTAR JAMES NICHOLAS
LEO DE MAIN NIX
OCTAVUS LIBBEY PEABODY
JOSEPH BLAIR SANDO
TOM WYNNE SAUL
FRANK BROWN SHIELDS [Ind. A.]
HERBERT GAY SPEAR
STANSBURY THOMPSON

Joseph Kentigern Heydon Oak Lee Throckmorton Harry Emerson Whittaker





# Delta Tau Delta

Established at Bethany College, 1859

### CHAPTER ROLL

### SOUTHERN DIVISION

Λ		10	Vanderbilt University
П	 4.		the contract of the contract o
Φ			Washington and Tar Their
BE			Emory College
BO	¥1		University of the South
BI			TT
BE			Tulane University
ГН			Tulane University Columbian University
TI		-	University of Texas
$\Gamma K$			University of Missouri

#### WESTERN DIVISION

			W	ESTERN DIVISION
0			 	University of Iowa
ВГ		1		University of Wisconsin
BH				
BK				University of Colorado
ВП				Northwestern University
BP				Leland Stanford, Jr., University
BT				**
BY				
ΒΩ			:	University of California
ГА				University of Chicago
ГВ	24			A 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 1 1 1 1
$\Gamma\Theta$				Baker University
				The Market Control of

#### NORTHERN DIVISION

В				Ohio University
Δ				University of Michigan
E				Albion College
Z				Adelbert College
K				TT 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
M				Ohio Wesleyan University
X				Kenyon College
BA		723		Indiana University
BB				De Pauw University
BZ				Butler College, University of Indianapolis
ВФ				Ohio State University
$B\Psi$	1.0			Wabash College
$\Gamma\Delta$			4	University of West Virginia

### EASTERN DIVISION

A					Allegheny College
Г					Washington and Jefferson College
P			3		Stevens Institute of Technology
Y				-	Rensselaer Polytechnic Institute
Ω					University of Pennsylvania
$B\Lambda$					Lehigh University
BM			- 21		Tufts College
BN	41		-		Massachusetts Institute of Technology
ВО		-			Cornell University
BX			1		Brown University
ГГ	- 9			10	Dartmouth College
ΓE			4		Columbia University
$\Gamma Z$					Wesleyan University



# Delta Tau Delta

BETA NU CHAPTER

Established 1889

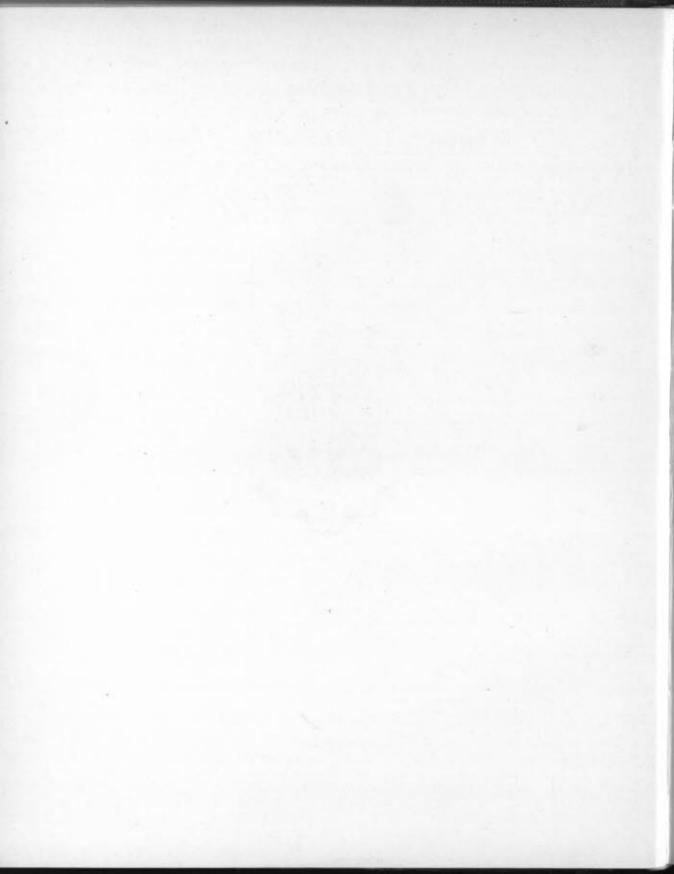
## Fratres

LAWRENCE ALLEN	FRANK SANDERSON MACGREGOR
Charles Josiah Belden	Jesse Worth Maxwell
HAROLD PETERS BAKER	JOHN MILLER
GEORGE HOBART CHAPMAN	Frank Lee Niles
Marcus Johnson Cole	WALTER GEORGE PFEIL
HERBERT SQUIRES CLEVENDEN	EUGENE PHELPS
Louis Osborne French	VERNON STONE ROOD
Rufus Coffin Folsom	ARTHUR LASSELL SHAW
CARL WILLIAM GRAM	Henry Rollo Sewell
B. Edwin Hutchinson	NORMAN HIGGINS STUBBS
HERBERT SANDERS HOLLINGSWORTH	CHARLES EDWIN WARE, JR.
Horace Sargent Hinds	Russell Diemer Wells
Ernest Farnum Lewis	C. Ernest Whitten

## Fratres in Urbe

Hans Barkan	HENRY BODGE PENNELL
ARTHUR GIBSON BIXBY	CHARLES ARNOLD ROCKWELL
Francis Minot Blake	FREDERICK POND SIMONDS
WILLIAM LOUIS CREDEN	ARTHUR BLAKELEY SMITH
Frank Spencer Elliot	Montfort Hill Smith
Robert Morse Folsom	Oscar Storer
CHARLES HARMONY JOHNSON	Nelson Tousley
John Louis Newell	CLIFFORD MOLINEAUX TYLER





# Phí Gamma Delta

Established 1848

#### CHAPTER ROLL

Alpha Lambda Nu Beta Deuteron Omicron Xi Pi Tau Epsilon Psi Omega Alpha Deuteron Gamma Deuteron Zeta Deuteron Theta Deuteron Zeta Delta Deuteron Nu Deuteron Omicron Deuteron Beta Pi Deuteron Delta Lambda Deuteron Rho Deuteron Sigma Deuteron Sigma Zeta Phi Delta Xi Theta Psi Delta Chi Gamma Phi Iota Mu Kappa Nu Mu Sigma Rho Chi Beta Mu Kappa Tau Pi Iota Nu Epsilon Alpha Chi Tau Alpha

Chi

Mu

Washington and Jefferson College De Pauw University Bethel College Roanoke College University of Virginia Pennsylvania College Allegheny College . Hanover College City College of New York Wabash College Columbia University Illinois Wesleyan University Knox College . Washington and Lee College Ohio Weslevan University Indiana State University Hampden-Sydney College Yale University Ohio State University University of Pennsylvania . University of Kansas Bucknell College Denison University Wooster University Lafavette College . Wittenburg College William Jewell University of California Colgate University Lehigh University . Pennsylvania State College . Mass. Institute of Technology Cornell University . University of Minnesota Richmond College . . . Johns Hopkins University of Tennessee Worcester Polytechnic Institute New York University Amherst College Trinity College Union College University of Wisconsin

Washington, Pa. Greencastle, Ind. Russelville, Ky. Salem, Va. Charlottesville, Va. Gettysburg, Pa. Meadville, Pa. Hanover, Ind. New York, N.Y. Crawfordsville, Ind. New York, N.Y. Bloomington, Ill. Galesburg, Ill. Lexington, Va. Delaware, Ohio Bloomington, Ind. Hampden-Sydney, Va. New Haven, Conn. Columbus, Ohio Philadelphia, Pa. Lawrence, Kan. Lewisburg, Pa. Granville, Ohio Wooster, Ohio Easton, Pa. Springfield, Ohio Liberty, Mo. Berkeley, Cal. Hamilton, N.Y. Bethlehem, Pa. State College, Pa. Boston, Mass. Ithaca, N.Y. Minneapolis, Minn. Richmond, Va. Baltimore, Md. Knoxville, Tenn. Worcester, Mass. Univ. Heights, N.Y. Amherst, Mass. Hartford, Conn. Schenectady, N.Y. Madison, Wis.

Phi Iota
Lambda Nu
Chi Mu
Omega Mu
Sigma Tau
Delta Nu
Sigma Nu
Theta
Tau Delta
Xi Delta
Alpha Iota
Pi Rho
Chi Epsilon
Alpha Theta
Lambda Sigma

University of Illinois			
University of Nebraska			
University of Missouri			
University of Maine			
University of Washingt	on		
Dartmouth College			
University of Syracuse			
University of Alabama			
University of Texas			
Adelbert College .			
Purdue University .			
Brown University .			
Chicago University		100	Ĭ.
University of Michigan			8
Leland Stanford, Jr., U	nive	rsity	,
Deland Stanford, Jr., C	mve	ersity	

### V

# Phi Gamma Delta

# IOTA MU CHAPTER Established 1889

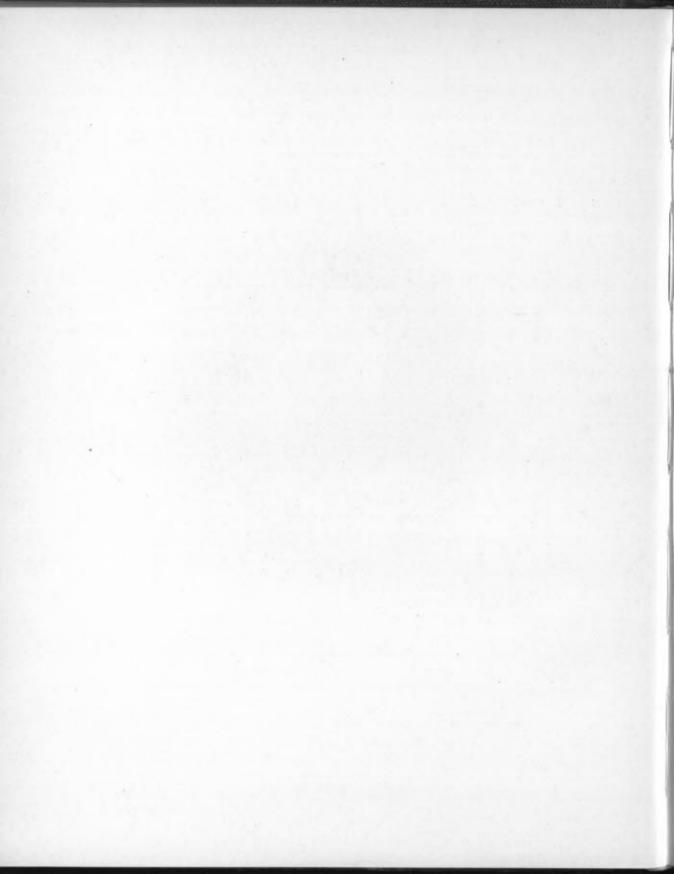
### Fratres

HAROLD SHELTON ARNOLD
John Avery, Jr.
HAROLD DEXTER BILLINGS
HENDLEY ROSS CALLAWAY
STUART CHASE
Joseph Samuel Coupal
ARTHUR LIVERMORE GARDNER
WALTON GEORGE HARRINGTON
Hudson Bridge Hastings
Russell Hastings
CLIFFORD CHASE HIELD

ALBERT KIMBALL HUCKINS
ROBERT EUGENE KEYES
JOSEPH THOMAS LAWTON, JR.
EDWARD NEWHALL
CHARLES WESTON RODFORD
DEWITT CLINTON RUFF
FRANZ SCHNEIDER, JR.
WILLIAM MCNAIR SCHOFFIELD
JAMES STUART SNEDDON
PHELPS NASH SWETT
RALPH COLLINS WALTER

Champaign, Ill.
Lincoln, Neb.
Columbia, Mo.
Orono, Me.
Seattle, Wash.
Hanover, N.H.
Syracuse, N.Y.
Tuscaloosa, Ala.
Austin, Texas
Cleveland, Ohio
LaFayette, Ind.
Providence, R.I.
Chicago, Ill.
Ann Arbor, Mich.
Palo Alto, Cal.





# Phi Sigma Kappa

1873	Alpha	Massachusetts Agricultural College
1888	Beta	Union University
1889	Gamma	Cornell University
1891	Delta	West Virginia University
1893	Epsilon	Yale University
1896	Zeta	College of the City of New York
1897	Eta	University of Maryland
1897	Theta	Columbia University
1899	Iota	Stevens Institute of Technology
1899	Kappa	The Pennsylvania State College
1899	Lambda	George Washington University
1900	Mu	University of Pennsylvania
1901	Nu	Lehigh University
1902	Xi	St. Lawrence University
1902	Omicron	Massachusetts Institute of Technology
1903	Pi	Franklin and Marshall College
1903	Rho	Queens University
1903	Sigma	St. Johns College
1905	Tau	Dartmouth College
1906	Upsilon	Brown University
1906	Phi	Swarthmore College
1906	Chi	Williams College
1907	Psi	University of Virginia

# Phi Sigma Kappa

### OMICRON CHAPTER

Established 1902

### Fratres

CHARLES EVERETT ALLEN
WILLIAM CLARK ARKELL
LOUIS GILBERT BEERS
FRANCIS GOODWIN BELIVEAU
ROGER TALBOT BOYDEN
EUGENE LEVERT BROWN, JR.
CHARLES BARROWS FLETCHER
MATTHEWS FLETCHER

GUY NICHOLS HARCOURT
JOHN BRAYTON HARLOW
ROY WALLACE LINDSAY
RUDOLPH WILLIAM RIEFKOHL
FRANKLIN RIPLEY, JR.
EDMUND HINCKS SQUIRE
PAUL ELLIS THOMPSON
MELVILLE KAISER WEILL

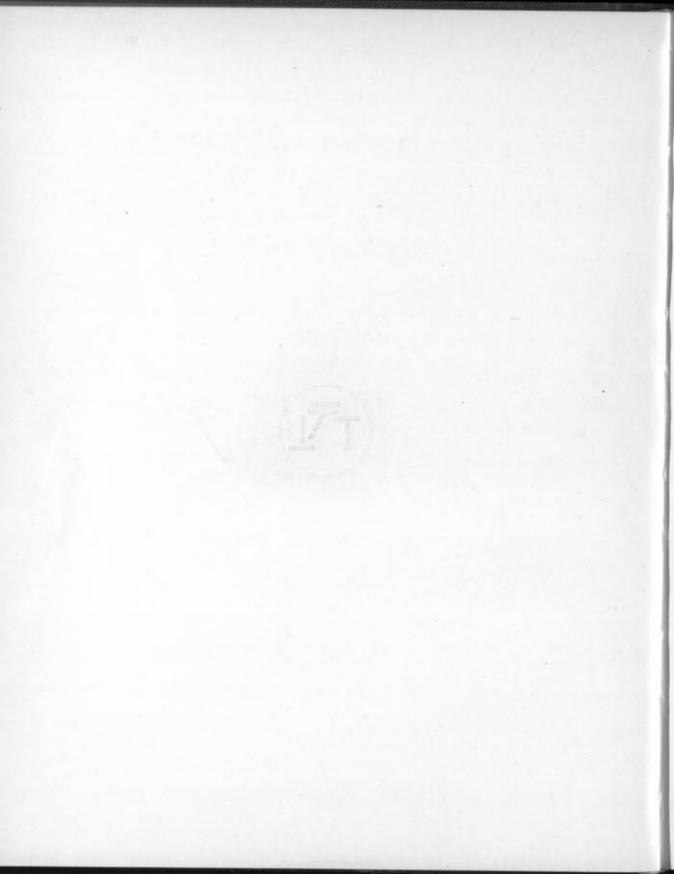
### Fratres in Urbe

HAROLD GILLILAND CRANE

ARTHUR NELSON HASTINGS

48 Hereford Street





# Theta Chi

Founded at Norwich University, 1856

### CHAPTER ROLL

Alpha Beta Norwich University Massachusetts Institute of Technology

# Theta Chi

# BETA CHAPTER

Established 1902

MITCHELL JOSEPH DALY HUBERT WILLIAM FLAHERTY FRANK EDWARD GOODNOW CHARLES MORTON HUTCHINS HENRY DELANO LORING HERMANN, WILLIAM MAHR GEORGE JOSEPH McTIGUE CHESTER LARCOM STANDLEY JOHN TETLOW PAUL BARON WEBBER THOMAS GRAY WEBBER RODNEY WHEELER

JOSEPH HENRY WHITE

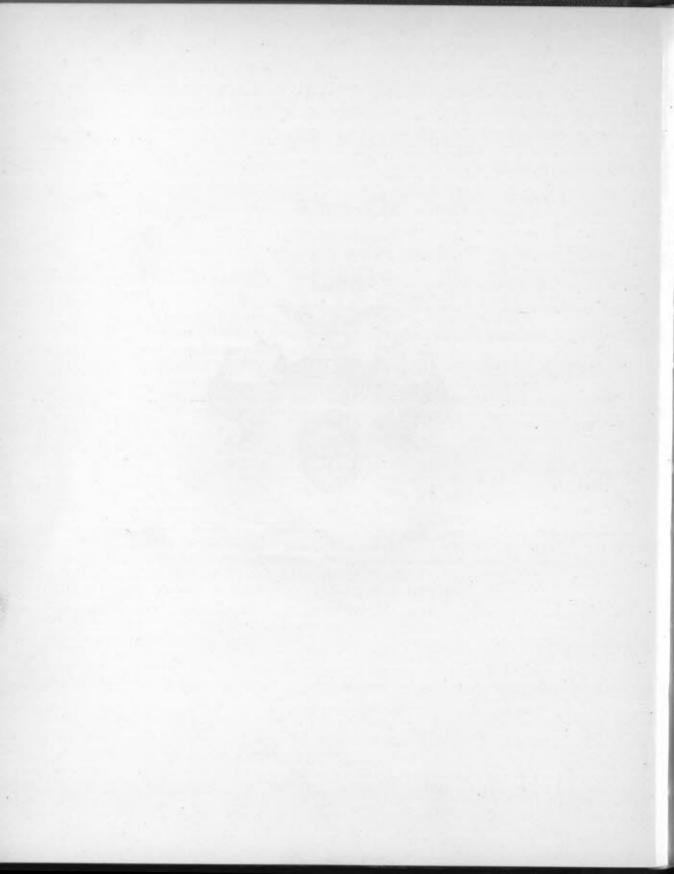
### Fratres in Urbe

G. F. ABBOTT
HERBERT R. BRIGGS
GEORGE H. CHAPIN
EDWARD W. CLARK
S. B. CLOGSTON
W. B. FARRINGTON
H. A. GILLETTE
J. ALBERT HOLMES
EDWARD R. HYDE

C. E. Johnson
Burton W. Kendall
J. W. Kidder
J. H. Ladd
Clarence E. Lasher
Roland E. Page
A. M. Parker
Ralph O. Reed
Guy Russell

E. J. SCRIBNER





# Phi Kappa Sigma

Founded at University of Pennsylvania in 1850

### CHAPTER ROLL

Alpha Chapter University of Pennsylvania . Delta Chapter Washington and Jefferson College Epsilon Chapter Dickinson College . Zeta Chapter Franklin and Marshall College Eta Chapter University of Virginia . Iota Chapter Columbia College Tulane University . Mu Chapter Rho Chapter University of Illinois Tau Chapter Randolph Macon College Northwestern University Upsilon Chapter Richmond College . Phi Chapter Psi Chapter Pennsylvania State College . Alpha Alpha Chapter Washington and Lee University Alpha Gamma Chapter West Virginia University Alpha Delta Chapter University of Maine Alpha Epsilon Chapter Armour Institute of Technology . Alpha Zeta Chapter University of Maryland Alpha Eta Chapter College of Charleston Alpha Theta Chapter University of Wisconsin Alpha Iota Chapter Vanderbilt University . Alpha Kappa Chapter University of Alabama . Alpha Lambda Chapter University of California Alpha Mu Chapter Mass. Institute of Technology Alpha Nu Chapter Georgia Institute of Technology Alpha Xi Chapter Purdue University . Alpha Omicron Chapter University of Michigan . Alpha Pi Chapter University of Chicago .

Philadelphia, Pa. Washington, Pa. Carlisle, Pa. Lancaster, Pa. Albemarle Co., Va. New York City New Orleans, La. Urbana, Ill. Ashland, Va. Evanston, Ill. Richmond, Va. State College, Pa. Lexington, Va. Morgantown, W.Va. Orono, Me. Chicago, Ill. Baltimore, Md. Charleston, S.C. Madison, Wis. Nashville, Tenn. Tuscaloosa, Ala. Berkeley, Cal. Boston, Mass. Atlanta, Ga. LaFayette, Ind. Ann Arbor, Mich. Chicago, Ill.

#### ROLL OF ALUMNI CHAPTERS

Philadelphia Alumni Richmond Alumni Chicago Alumni New York Alumni Pittsburg Alumni Baltimore Alumni

New Orleans Alumni

# Phi Kappa Sigma

## ALPHA MU CHAPTER Established 1903

### Frater in Facultate

WILLIAM H. WALKER

#### Fratres

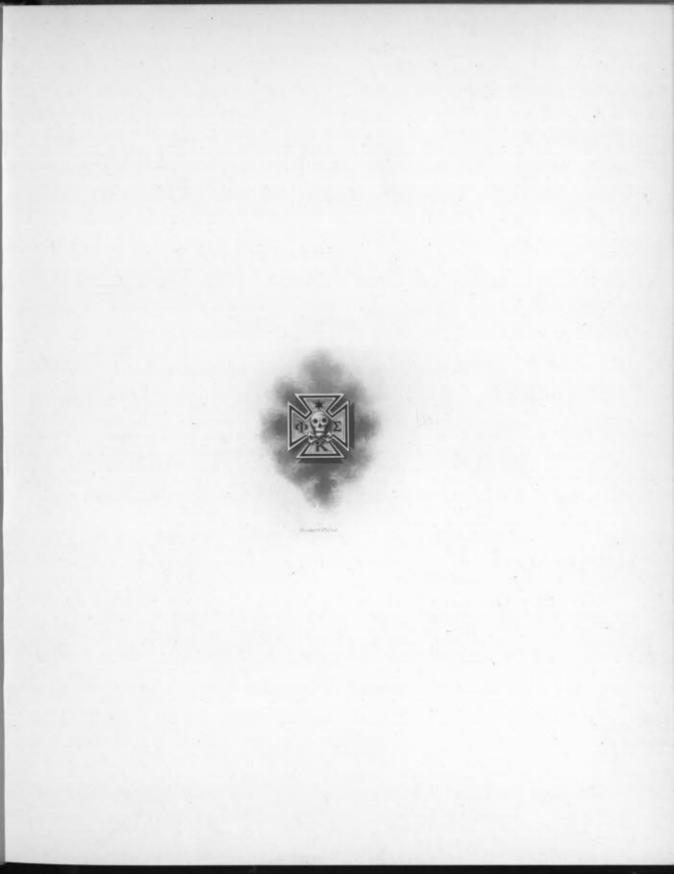
WILLIAM ALEXANDER ADAMS FRANK ADAMS BAKER JOHN PATTEN CHADWICK ALEXANDER ELLIS, JR. JOHN TIERNAN FALLON, JR. [Z.] HAROLD PHILLIPS FARRINGTON RALPH WELLS TUTHILL [AE.] PAUL EDMUNDS FERNALD PERCY LAWSON HANDY

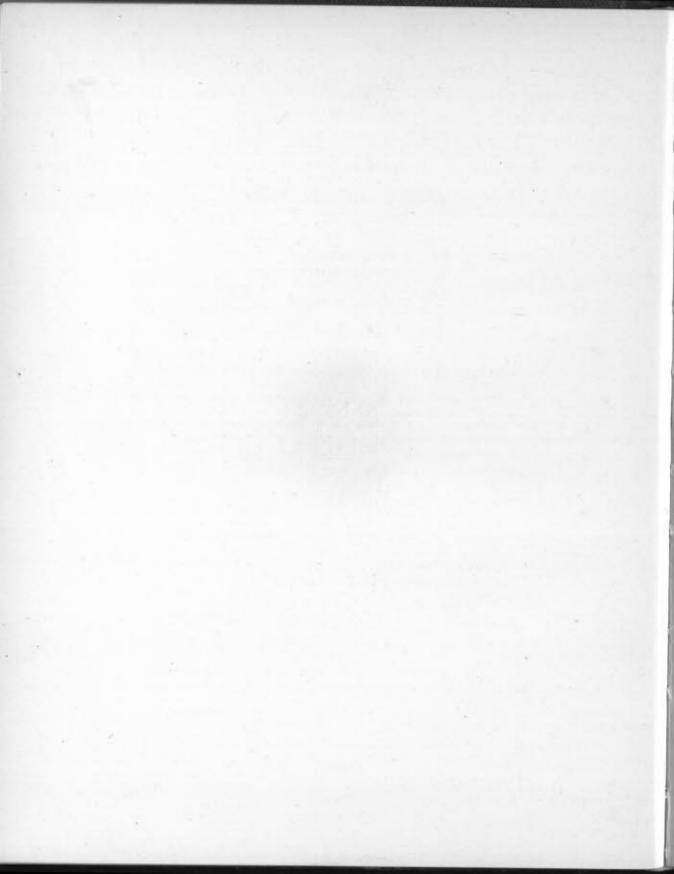
WILLIAM EDWARD MAHONEY HERMAN CARSON SCHRIEFER CHARLES MULLIN STEESE [E.] ABBOTT HOWE THOMPSON ABBOTT HOWE THOMPSON FRANKLIN THOMPSON TOWLE GEORGE WEINHOGEN, JR. LELAND EDWARD WEMPLE

### Fratres in Urbe

HERBERT L. ADAMS WILLIAM C. ADAMS Charles E. Abbott JOHN E. BEARD George G. Crocker RICHARD S. A. DONNELLY, JR. Wesley C. Elliott LLEWELLYN W. EDWARDS ROBERT D. FARRINGTON

FRANK P. FLEGAL CLARENCE GORDON HOWARD H. HARTER FREDERIC H. HOLBECK FREDERIC F. HYDE Walter A. Swallow CHARLES F. UNDERHILL DAVID H. WALKER WALTER B. WILBER





## Delta Sigma Phi

Founded 1900 at College of the City of New York

#### CHAPTER ROLL

Insula	College of the City of N	ew	York		-	New York, N.Y.
Columbia	Columbia University			*		New York, N.Y.
University	New York University					New York, N.Y.
Technology	Massachusetts Institute	of	Tech	nolo	gy,	Boston, Mass.
Stonewall	Washington and Lee Un	niv	ersity			Lexington, Va.

## Delta Sigma Phi

#### TECHNOLOGY CHAPTER

Established 1905

#### Fratres

EDWARD TABER ALMY, JR. ALBERT ALDEN BLODGETT ALLAN REGINALD CULLIMORE JOHN THAYER ELLSWORTH HARRY CHESTER LORD Byron Peakes Luce WILLIAM SYLVESTER LUCEY FREDERIC BECKER SCHMIDT BENJAMIN KARL SHARP HAROLD SHARP HERBERT JOSEPH STIEBEL EDWARD STUART JAMES GREGORY TRIPP ARTHUR KELLAM TYLEE CHESTER ANDREW VOSE WILLIAM RATCLIFFE WALDO

RICHARD PARKER WATSON

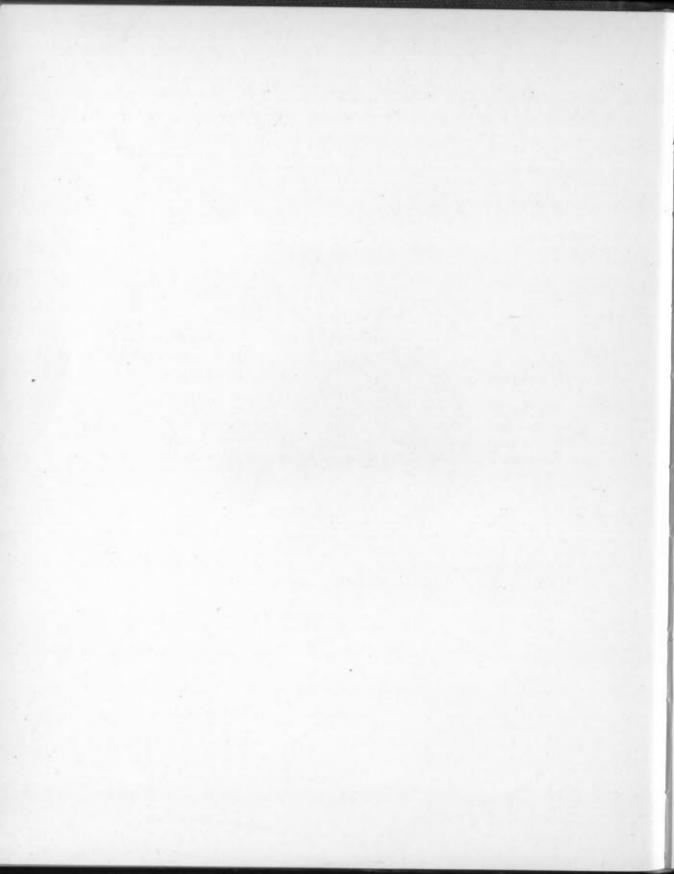
#### Fratres in Urbe

WILLIAM OLIVER AMES HOBERT WARD FRENCH

Walter Matthews Butts Royal Robbins Heuter HERBERT BUTTRICK HOSMER



SHIPPT FRIDA.



## Alpha Tau Omega

Founded at Virginia Military Institute in 1865

#### CHAPTER ROLL

	CHAPTER ROLL		
	PROVINCE I		
Alpha Beta	University of Georgia		Athens, Ga.
Alpha Epsilon	Alabama Polytechnic Institute		Auburn, Ala.
Alpha Zeta	Mercer University		Macon, Ga.
Alpha Theta	Emory College		Oxford, Ga.
Alpha Omega	University of Florida	. 15	Lake City, Fla.
Beta Beta	Southern University		Greensboro, Ala.
Beta Delta	University of Alabama		Tuscaloosa, Ala.
Beta Iota	Georgia School of Technology		Atlanta, Ga.
	PROVINCE II		
Beta Epsilon	Tulane University		New Orleans, La.
Gamma Eta	University of Texas		Austin, Tex.
Gamma Iota	University of California .		Berkeley, Cal.
Gamma Lambda	University of Colorado		Boulder, Col.
	PROVINCE III		
Alpha Mu	Adrian College		Adrian, Mich.
Beta Alpha			Indianola, Iowa
Beta Kappa	Hillsdale College		Hillsdale, Mich.
Beta Lambda			Ann Arbor, Mich.
Beta Omicron	Albion College		Albion, Mich.
Gamma Gamma	Rose Polytechnic Institute .		Terre Haute, Ind.
Gamma Zeta	University of Illinois		Champaign, Ill.
Gamma Theta	University of Nebraska		Lincoln, Neb.
Gamma Mu	University of Kansas		Lawrence, Kan.
Gamma Nu	University of Minnesota .		Minneapolis, Minn.
Gamma Xi	University of Chicago		Chicago, Ill.
Gamma Omieron	Purdue University		LaFayette, Ind.
Gamma Rho	University of Missouri		Columbia, Mo.
Gamma Pi	University of Washington .		Seattle, Wash.
Gamma Tau	WW 1 4 4 4 WWW 1		Madison, Wis.
Channe 2 ard	PROVINCE IV		activities of the contract of
Beta Gamma			Boston, Mass.
Beta Zeta	University of Vermont		Burlington, Vt.
Beta Upsilon	University of Maine		Orono, Me.
Gamma Alpha	Colby College		Waterville, Me.
Gamma Beta	Tufts College		Medford, Mass.
Gamma Delta	Brown University		Providence, R.I.
Gamma Sigma	Worcester Polytechnic College		Worcester, Mass.
Cumming English	PROVINCE V		CO HARAVARANCA CONTRACT
Tau	University of Pennsylvania . Muhlenburg College		Philadelphia, Pa.
Alpha Iota	Muhlenburg College		Allentown, Pa.
Alpha Lambda	Columbia University		New York, N.Y.
Alpha Omieron	St. Lawrence University .		Canton, N.Y.
Alpha Pi	Washington and Jefferson College		Washington, Pa.
Alpha Rho	Lehigh University		South Bethlehem, Pa
Alpha Upsilon	Pennsylvania College		Gettysburg, Pa.
Beta Theta	Cornell University		Ithaca, N.Y.
Section Among			

Beta	PROVINCE VI	
	Washington and Lee University	Lexington, Va.
Delta	University of Virginia	Charlottesville, Va.
Xi	Trinity College	Durham, N.C.
Alpha Delta	University of North Carolina	Chapel Hill, N.C.
Beta Xi	College of Charleston	Charleston, S.C.
	PROVINCE VII	
Alpha Mu	Mt. Union College	Alliance, Ohio
Alpha Psi	Wittenburg College	Springfield, Ohio
Beta Eta	Wesleyan College	Delaware, Ohio
Beta Mu	Wooster University	Wooster, Ohio
Beta Omega	Ohio State University	Columbus, Ohio
Gamma Kappa	Western Reserve University	Cleveland, Ohio
	PROVINCE VIII	A STATE OF THE STA
Pi	University of Tennessee	Knoxville, Tenn.
Omega	University of the South	Sewanee, Tenn.
Alpha Tau	Southwestern Presbyterian University	Clarksville, Tenn.
Beta Pi	Vanderbilt University	Nashville, Tenn.
Beta Tau	Southwestern Baptist University .	Jackson, Tenn.
	ALUMNI ASSOCIATIONS	A TOTAL TOTAL TOTAL CO.
Allentown Alumni	Cincinnati Alumni	Louisville Alumni
Atlanta Alumni	Dallas Alumni	Manilla Alumni
Birmingham Alumni		Minnesota Alumni
Boston Alumni	Detroit Alumni	New York Alumni
California Alumni	District of Columbia Alumni	Philadelphia Alumn
Controlling Middling	District of Columbia Alumin	r madeiphia Arumn

#### -

Kansas City Alumni

Georgia Alumni

Indiana Alumni

Chicago Alumni

Cleveland Alumni

Colorado Alumni

## Alpha Tau Omega

Pittsburg Alumni

Texas Alumni

South Carolina Alumni

BETA GAMMA CHAPTER Established 1885

#### Fratres

ROY MAXWELL ANDERSON EUGENE L. GRUNSKY JOHN CHAUNCY CHILDS [Minn. IN.] EDWARD CHAMBERS HAMNER, JR. CLIFTON NATHAN DRAPER [Va. B.] Leander Allen Dow CLARENCE DECATUR HOWE FLINT CUMMINGS ELDER EUGENE ALEXANDER HUNT HERBERT CHARLES ELTON GARNETT ALFRED JOSLIN WILLIAM CRAIG FERGUSON ALEXANDER MACOMBER WALTER BRAYTON GONDER BRYANT NICHOLS RICHARD FREDERIC GOODWIN, JR. EMERSON HEARD PACKARD ALBERT EDWARDS GREENE [Col. FA.] ALEC NEWTON PENNY ELBERT DANIEL GREENE Marcellus Rambo [Ga. AB.] HAROLD WILEY GRISWOLD RALPH TUCKER REGNELL VICTOR CARL GRÜBNAU WILL ROBINSON REILLY

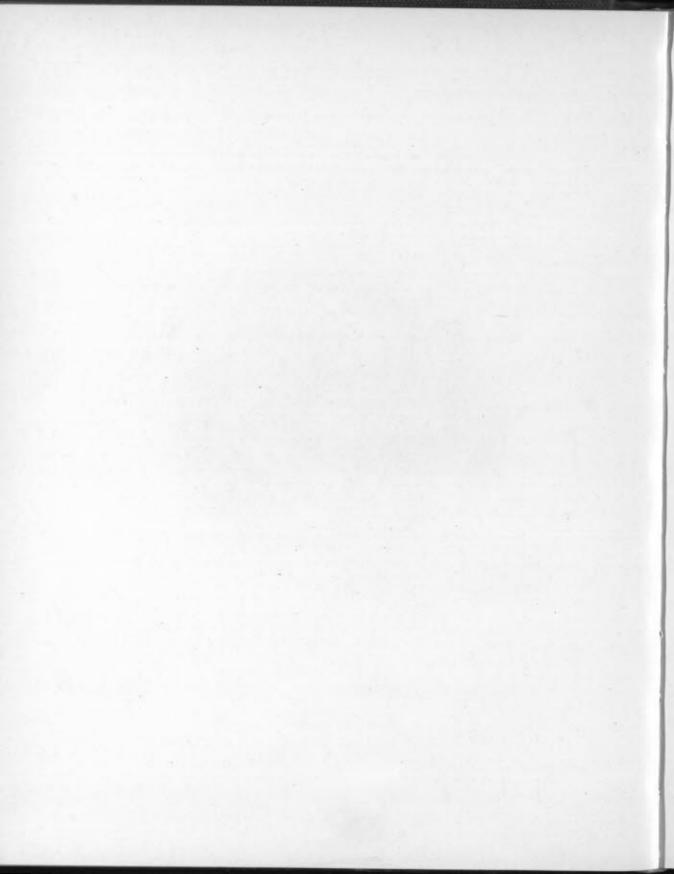
CURTIS CHRISTOPHER WEBB

#### Fratres in Urbe

Walter H. Gleason Frank D. Neill Charles D. Underhill



HELIOPP PRIME.



## Theta Delta Chi

#### Charge Roll

Beta	Cornell University .						4	1870
Gamma Deuteron	University of Michiga	n .				9		1889
Delta Deuteron	University of Californ							1900
Epsilon	College of William an							1853
Zeta	Brown University .							1853
Zeta Deuteron	McGill University .					,		1901
Eta	Bowdoin College .							1854
Eta Deuteron	Leland Stanford, Jr.,							1903
Theta Deuteron	Massachusetts Institu							1890
Iota	Harvard University .							1856
Iota Deuteron	Williams College .							1891
Kappa	Tufts College							1856
Lambda	Boston University .							1877
Mu Deuteron	Amherst College .							1885
Nu Deuteron	Lehigh University .							1884
Xi	Hobart College			1	4	0		1857
Omicron Deuteron	Dartmouth College .					2		1869
Pi Deuteron	College of the City of	New	Y	ork				1881
Rho Deuteron	Columbia University							1883
Sigma Deuteron	University of Wiscon	sin .						1895
Tau Deuteron	University of Minnes	ota .						1892
Phi .	Lafayette College .							1867
Chi	University of Roches							
Chi Deuteron	George Washington U	Jnive	ersit	y				1896
Psi	Hamilton College							***

## Theta Delta Chi

## THETA DEUTERON CHARGE Established 1890

#### Frater in Facultate NATHAN R. GEORGE

#### Fratres

Maurice Scott Chapin
James Hamilton Critchett
Walter Dodge Davol
Karl Dickson Fernstrom
Paul Reed Fleming
Arthur Franklyn Glasier
Newman Ballard Gregory
Kenneth Levens
Paul Burton Lord

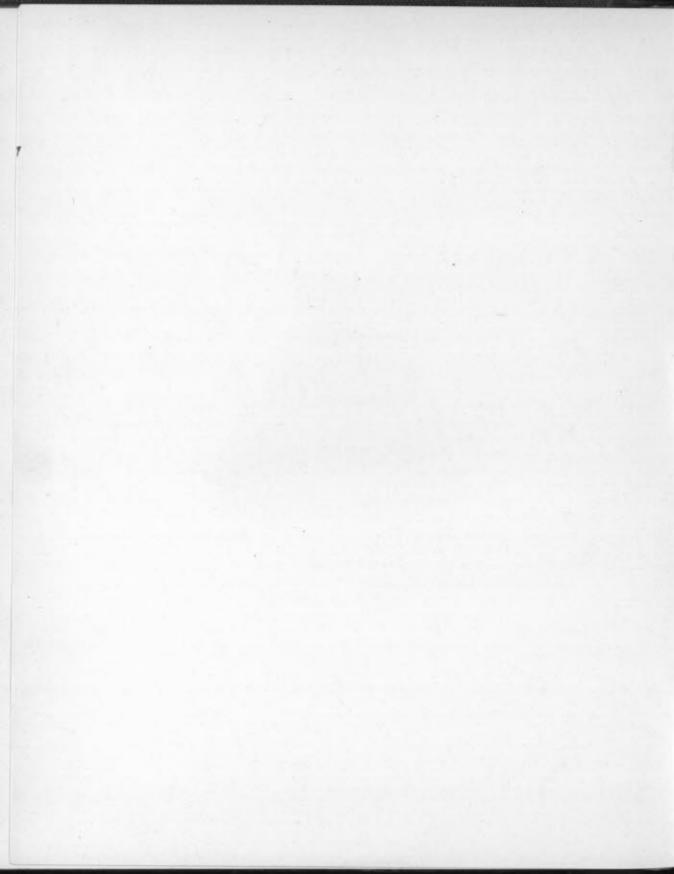
SHIRLEY ANDREW MACE
HENRY FRANKLIN MILLER, 2D
HARRY LAWRENCE MOODY
ALFRED GRIFFIN PLACE
BERGER REYNOLDS
KARL WILLIS RICHARDS
BURR ARTHUR ROBINSON
OSCAR HENRY STARKWEATHER
JOHN THEODORE TOBIN

#### Fratres in Urbe

Frank E. Drake, Jr. William Hollis Godfrey Charles R. Prichard



Manure/Super



## Lambda Phi

Local at Technology

## Lambda Phi

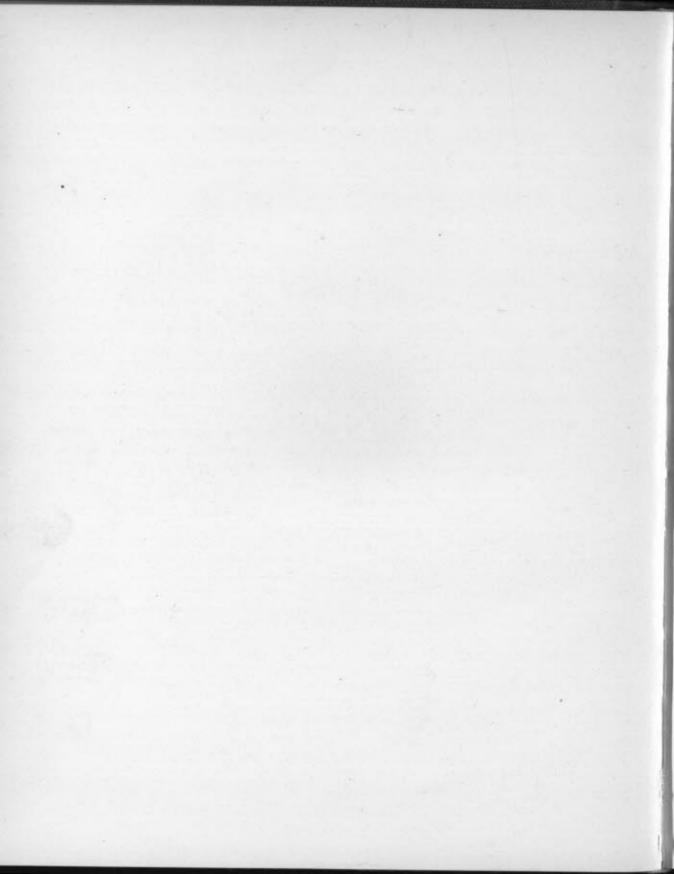
Established 1906

#### Fratres

Myron Mathews Davis
Frederick Archibald Dewey
George Edwards Freethy
Herbert Thurston Gerrish
Grandville Reynard Jones
William James Kelly

ADDISON MILLER
LD DEWEY HAROLD McCready
REETHY RAYMOND WASHINGTON PARLIN
GERRISH CHARLTON DASCOM PUTNAM
D JONES WILLIS RANNEY
LY WILLIS GERSHAM WALDO
EDGAR IRVING WILLIAMS





## Other Fraternities Represented



Alpha Delta Phi

Alpha Zeta Alpha Alpha Tau Omega

Beta Theta Pi

Delta Kappa Epsilon Delta Upsilon

Zeta Psi

Theta Nu Epsilon Kappa Alpha (Southern)

Kappa Sigma

Sigma Alpha Epsilon

Sigma Nu Phi Gamma Delta Phi Delta Theta

Phi Delta Chi Phi Kappa Psi

Phi Nu Theta

Chi Psi Psi Upsilon

Sigma Xi

Tau Nu Epsilon Phi Beta Kappa Riggin Buckler W. Armour Johnston, Jr. Ben. F. Mills . . Henry P. Hoyt Marcellus Rambo Richard S. Ayres Chas. R. Bragdon Carroll F. Story Herbert A. Sullwold Karl P. Kennison . Angus E. Burt
Edwin W. James
Floyd A. Naramore
Carleton W. Hubbard
Willard B. Van Inwegen Cornelius S. Fleming, Jr. Franklin O. Adams, Jr. . Hardy Cross Clayton R. Denmark William A. Stocking Douglas B. Turner . Lawrence R. Davis Francis H. Dunnington . John E. Johnson Scott P. MacNutt Cecil H. Barker Edward F. Moreland James P. Alvey, Jr. Edward W. Hamill Thomas C. Keeling John S. Long . . George D. Whittle . John E. Moore Robert D. Hennen . W. Pearce Rayner . French P. Sargeant. Rufus G. Wint. Arthur S. Douglas. James Talbot Antoine G. Labbe . Roderic B. Barnes .

Honorary Societies
Leo Loeb . . .
William A. Stocking
Robert D. Henner .
Charles R. Bragdon
Rufus C. Folsom .
George C. Schobinger
Edmund L. Warren

Johns Hopkins Univ. Wesleyan University Williams College University of Maine University of Georgia Central Univ. of Kentucky Northwestern University Beloit University Univ. of Minnesota University of Maine Middlebury College Harvard University University of Wisconsin Williams College Williams College Washington and Jefferson Centenary College Hampden Sidney College Mercer University Case School of App. Science Univ. of Tennessee Ohio Wesleyan Univ. University of Virginia Univ. of Mississippi Harvard University University of Illinois Johns Hopkins University University of Texas Ohio Wesleyan University Vanderbilt University Washington and Lee Univ. Southwestern University Boston University Univ. of West Virginia Wittenberg College Dartmouth College Franklin and Marshall Coll. Wesleyan University Wesleyan University Williams College Columbia University

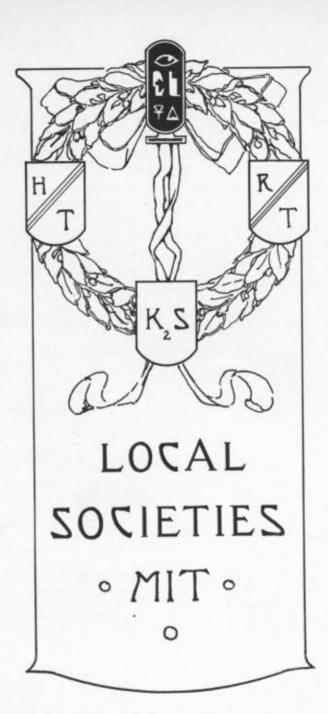
Univ. of Missouri Case School of App. Science Univ. of West Virginia Northwestern University Harvard University Chicago University Yale University



Sigma Chi												19
Theta Xi				- 6								15
Delta Psi					- 3	- 1				-		21
Chi Phi	*											
			*		7.							21
Delta Kappa Epsil	on		*		*	100	1				-	23
Phi Beta Epsilon												24
Delta Upsilon .			*3	14		-	16					17
Sigma Alpha Epsile	on	+	4.7						٠.			29
Delta Tau Delta												26
Phi Gamma Delta	- 3							- 8				22
Phi Sigma Kappa					-							16
Theta Chi						-		*	1.74			100000
Phi Kappa Sigma	-				120		14	7				13
	*					*	1			*	- 1	16
Delta Sigma Phi							-	2.				17
Alpha Tau Omega	100			95	20		134			4		26
Theta Delta Chi				+							1	18
Other Fraternities	Rep	resen	ted									40
	-									- 2		
												363
												000

Percentage of Fraternity Men at Technology

		10.		mage	OI.	Liatelli	ity men at	Te	CIII	1010	<i>y</i> gy			
Year			1	No. of M	en	Per Cent	Year				N	No. of M	en	Per Cent
1885 - 86				52		8.5	1896-97					189		15.8
1886 - 87				42		8.9	1897-98					173		14.4
1887 - 88				42		6.1	1898-99					189		16.1
1888-89				45		5.4	1899-00					216		18.4
1889 - 90				93		10.8	1900-01					213		17.9
1890 - 91				158		16.0	1901-02					245		17.1
1891 - 92				184		17.1	1902-03					274		16.9
1892 - 93				207		18.8	1903-04					265		17.3
1893 - 94				191		16.5	1904-05					340		21.7
1894 – 95				201		16.9	1905-06					335		22.4
1895-96	*			192		16.2	1906-07					363		25.9



### 张25

#### Established 1883

#### Members

ALFRED BENNETT BABCOCK
CHARLES RIDGAWAY BRAGDON
WALTER HARWOOD BYRON
LAWRENCE RITCHIE DAVIS
RAYMOND EDWARD DRAKE
FLYNT-CUMMINGS ELDER
JOHN THAYER ELLSWORTH
LAWRENCE CHARLES HAMPTON
FREDERIC CONSTANT JACCARD
WILLIAM JAMES KELLY
CARL GEORGE KOPPITZ

JOHN HOLLAND LEAVELL
JOHN MILTON McMILLIN
JAMES McGOWAN
RAMON FIDENCIO MUNOZ
CHESTER HENRY POPE
ROSWELL EUSTIS SAMPSON
MAURICE ROOS SHCARFF
ROBERT BOARDMAN TODD
ALBERT EDWARD WIGGIN
ROLAND HOWARD WILLCOMB
RUFUS WILLIAM G. WINT

#### Associate Members

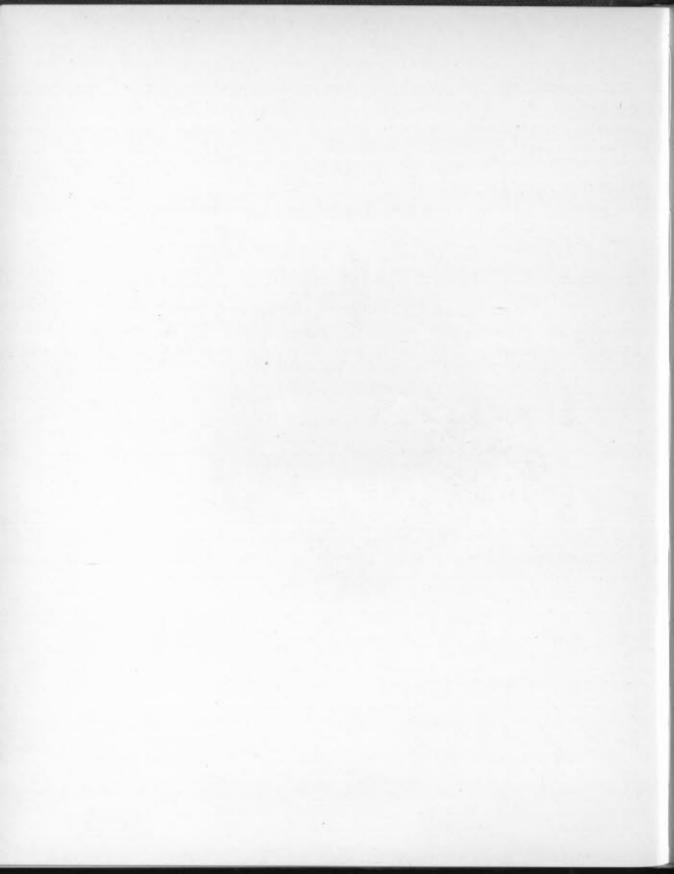
STUART W. BENSON LEAVITT N. BENT ARTHUR A. BLANCHARD JOHN F. NORTON ARTHUR A. NOYES NILES S. SHERRILL CLIFFORD M. SWAIN WILLIS R. WHITNEY

#### Honorary Members

JOHN ALDEN
FRED S. BARDWELL
HENRY CARMICHAEL
JAMES M. CRAFTS
CHARLES R. CROSS
WILLIAM S. DAVENPORT
THOMAS EVANS
HENRY FAY
AUGUSTUS H. GILL
HEINRICH O. HOFMAN
G. RUSSEL LINCOLN
ARTHUR D. LITTLE
RICHARD W. LODGE
F. JEWETT MOORE

SAMUEL P. MULLIKEN
JAMES F. NORRIS
ARTHUR A. NOYES
THOMAS H. POPE
HENRY S. PRITCHETT
ROBERT H. RICHARDS
GEORGE W. ROLFE
WILLIAM T. SEDGWICK
JOHN W. SMITH
HENRY P. TALBOT
FRANK H. THORP
WILLIAM H. WALKER
CHARLES H. WARREN
WILLIS R. WHITNEY





## OSIRIS



HENRY SMITH PRITCHETT ALFRED EDGAR BURTON JAMES PHINNEY MUNROE ISAAC WHITE LITCHFIELD FRANK H. RAND

ROBERT CLIFFORD ALBRO
LAWRENCE ALLEN
CHARLES WOLSTON COFFIN
ALBERT HENRY DONNEWALD
JOHN MAYER FRANK
GEORGE APPLETON GRIFFIN
GARDNER SABIN GOULD

JOHN HOLLAND LEAVELL
CLARENCE RONALD LAMONT
JOSEPH THOMAS LAWTON
KARL WILLIS RICHARDS
DONALD GOODRICH ROBBINS
OSCAR HENRY STARKWEATHER
ERLE FRANCIS WHITNEY

WILLIAM LYSANDER WOODWARD



# HAMMER : AND TONGS



#### Officers

E. C. Hamner . . . . President R. W. Ryden . . . . Secretary

#### Members

J. S. BARNES J. A. McElroy R. BINGHAM N. A. MIDDLETON M. S. CLARK J. REED L. HAGOOD G. H. REPPERT E. C. HAMNER H. C. RICHARDSON C. A. HARRINGTON R. W. RYDEN B. B. Holmes H. B. Thompson H. S. HOWARD C. TURNER J. A. KANE S. T. WALKER E. LAND G. C. Westervelt H. J. C. McDonald E. F. WHITNEY



King Arthur . . . . Alfred Galpin Kellogg
Queen Guinever . . . Philip Hart
Merlin . . . . . . John Miller

#### Knights

Sir Launcelot . . . . ROBERT FARRINGTON MAXCY
Sir Galahad . . . . . WALTER WELLINGTON KING
Sir Gawain . . . . George Mackay Roads



#### 1909

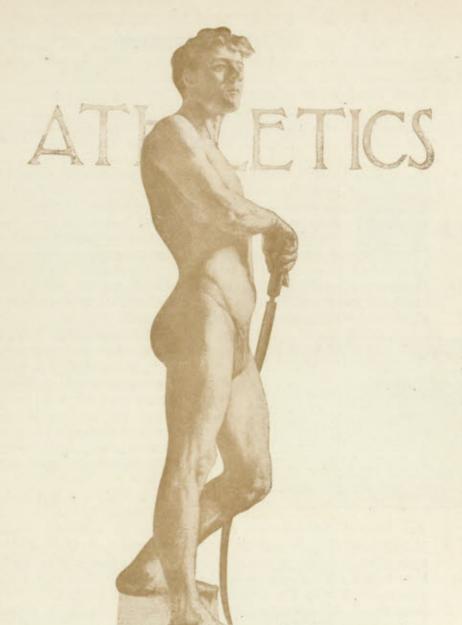
RAYNOR HUNTINGTON ALLEN
CHARLES JOSIAH BELDEN
ALFRED GALPIN KELLOGG
ALTON LESLIE DICKERMAN, JR.
CHRISTIAN KURTZMANN
WALTER WELLINGTON KING
HOWARD YOUNG FROST
JOHN MILLER
JOHN MATTHEWS HATTON
WILLIAM BENJAMIN JENKINS
MAURICE ROOS SCHARFF

NORMAN HIGGINS STUBBS

#### 1910

PHILIP HART ROBERT FARRINGTON MAXCY
DOUGLAS CRAWFORD MCMURTRIE GEORGE MACKAY ROADS
NATHANIEL STEVENS SEELEY





ALFRED

TRVEMAN 'OG'

## Athletic Summary

V

Not the quarry, but the chase, Not the laurel, but the race, Not the hazard, but the play, Make me, Lord, enjoy alway!



HE spirit of Technology athletics is summed up in this short inscription on the bronze tablet above the gate recently placed at Technology Field by the Class of 1881. This spirit and the system that brought about this spirit are original at the Institute and stand out strongly in contrast to the athletics in general at the other schools and colleges

in America. In the midst of athletic reform throughout the country the conditions at the Institute did not necessitate change. The success of all the teams and the manner in which they have been conducted signify the beneficial effect of this spirit and system.



The regular spring class games brought out the fact that the track team was strong in first string men, there being a large number of Seniors on the team, while there was a dearth of second string men from the lower classes. In the contest with Williams the defeat of the Institute team was due mainly to the lack of strong second place men and hurdlers.

It was most gratifying that Technology should do so well in the first

New England Intercollegiate meet ever held at Technology Field. If Dartmouth had not sent the most phenomenal team that has ever represented a college at the intercollegiate meet, the Institute might have carried off first honors. In the 440-yard dash Howe was a big surprise and likewise Orr in the pole vault. Farrington broke the high-jump record at 5 feet 10 1-4 inches, while Captain Knapp was second in the hammer throw. A remarkable feature of the day was the breaking of three records, those of the low hurdles, high jump and discuss throw.

Instead of a depression at the opening of the fall season because of the thinning of the first-class men, there was a great increase in spirit

#### ATHLETICS

evidenced by the success of the fall handicap meet. The indoor class meet was a great credit to the management. The Varsity Relay Team easily defeated Holy Cross at the B.A.A. games. The spring season opened most encouragingly. Great credit is due to the individual efforts of Manager Tobin for the splendid schedule that has been arranged, and of Coach Mahan, whose hard work has meant so much to Technology athletics.

Great interest was manifested in the Cross Country Team during its season, and the splendid victory over Harvard together with the fast time made by the Technology men gave hopes of a victory at the intercollegiate meet at Princeton. Cornell and Pennsylvania, however, proved too strong, and the Institute team was only able to secure third place.

The Basket-ball and Hockey teams were not given the support that was due them for the hard work that they put in. The season of the Basket-ball Team was marred by numerous mishaps to its players. The victories were few, but the defeats in most cases were by a small margin of points. Unsupported by the Advisory Council, the Hockey Team did creditably well. Both of these teams established precedent in taking a trip away from home during the mid-year vacation.

Golf and tennis at the Institute have many followers. In the intercollegiate golf tournament Walter G. Pfeil, '08, was runner-up in the individual championship contest. Paul R. Fanning, '08, and John S. Nicholl, '07, won the doubles in the New England tennis tournament, while Fanning was runner-up in the singles.

With new men the fencing team have had a successful season. The outlook for the team is encouraging in that all of the members of this year's team will be back next year. Technology has not as yet been admitted to the Intercollegiate League, but it is probable that the Institute will be represented in the championship meeting next year.





J. L. BATCHELDER, Jr.



K. W. RICHARDS



R. S. FRANKLIN



F. H. BRIGGS



W. A. ADAMS



J. A. ROCKWELL



G. T. GLOVER



THE Advisory Council on Athletics has complete charge of all recognized Technology Teams

10

#### Officers

Chairman F. H. Briggs, '81

Secretary and Treasurer R. S. Franklin, '03

Representatives from M.I.T. Alumni Association
J. L. Batchelder, Jr., '90 J. A. Rockwell, '96

Representatives from Athletic Association
K. W. Richards, '07
G. T. Glover, '08
W. A. Adams, '08

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

HE Technology Athletic Association controls all athletics of the Institute, subject to the approval of the Advisory Council on Athletics. Under the new Constitution the entire student body is entitled to membership, and any student is eligible to hold office.



#### Officers

President Karl W. Richards, '07

Vice-President George T. Glover, '08

Secretary and Treasurer William A. Adams, '08

Representatives to Advisory Council
K. W. Richards W. A. Adams, '08 G. T. Glover



THE New England Intercollegiate Athletic Association was organized Nov. 23, 1886, by representatives from leading New England colleges. The annual Meet is held on the Saturday previous to the annual American Intercollegiate Championship Meet, at some place agreed upon by the officers of the Association. Technology became a member of the Association in 1894.



Officers 1906—1907

President
T. W. Worthen, Dartmouth

Vice-President R. A. Lee, Bowdoin

Secretary
T. E. Abbott, Amherst

Treasurer
J. T. Tobin, Technology

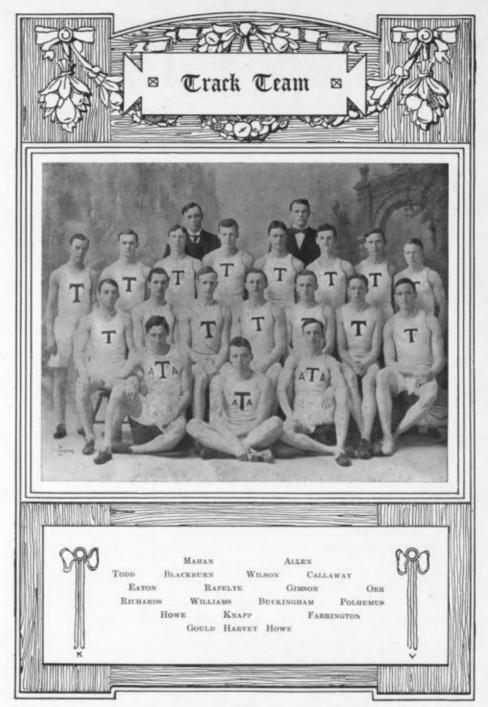
Members

Amherst Wesleyan Dartmouth Trinity Technology
Brown Bowdoin Williams Vermont Tufts
Worcester Polytechnic



Winners of Championship

Amherst, 8 Dartmouth, 7 & Williams, 2 Bowdoin, 1 M.I.T., 1 One tie between Brown and Amherst.





#### Officers

Captain Wm. J. Knapp

> Coach J Mahan

Manager LAWRENCE ALLEN

Assistant Manager J. T. Tobin



#### Members 1906

G. H. BUCKINGHAM R. D. FARRINGTON H. W. HARVEY C. A. HOWARD R. HOWE W. J. KNAPP J. H. POLHEMUS H. T. WILLIAMS

E T. WILSON

#### 1907

C A. EATON

G. S. GOULD

R W. RICHARDS

#### 1908

H. W. BLACKBURN H. R. CALLAWAY B. S. GIMSON T. W. ORR
H. A RAPELYE
R B TODD

## Annual Spring Games

Technology Field	×	April 21, 1906
100-Yard Dash	H. L. WILLIAMS, '06 K. W. RICHARDS, '07 R. B. TODD, '08	10 4-5 sec.
	M. J. Gibbons, '06	
220-Yard Dash	R. B. Todd, '08 K. W. Richards, '07 H. L. Williams, '06 J. H. Leavell, '07	23 3-5 sec.
440-Yard Dash	R. Howe, '06 B. L. Gimson, '08 R. B. Todd, '08 H. H. Howland, '08	55 1-5 sec.
880-Yard Run	B. L. Gimson, '08 H. W. Blackburn, '08 A. Fisher, Jr., '06 C. A. Howard, '06	2 min. 7 4-5 sec.
One-Mile Run	G. H. Buckingham, '06 B. L. Gimson, '08 H. R. Callaway, '08 H. H. Howland, '08	4 min. 44 sec.
Two-Mile Run	<ul> <li>H. R. Callaway, '08</li> <li>P. J. Clapp, '06</li> <li>R. W. Ferris, '08</li> <li>G. H. Ruggles, '06</li> </ul>	10 min. 25 3-5 sec.
120-Yard High Hurdles	H. A. RAPELYE, '08 C. A. EATON, '07 K. D. GODFREY, '09 R. C. ALBRO, '07	17 3-5 sec.

# · ATHLETICS ·

220-Yard Low Hurdles	C.	A.	EAT	ON,	07				29 se	e.			
			ALB										
	G.	. C.	You	NG,	'06								
	K	. D.	Gor	FRE	r, '09	)							
Running High Jump	Н	. A.	RAI	ELYI	e, '08				5 ft. 5 is	n.			
	H	. W	. BL	CKB	URN,	'08			5 ft. 3 in				
			Гном You			tied	at	5 ft.					
Pole Vault	Т.	OR	R, '0	8					10 f	t.			
			Гном		07				8 ft. 5 in				
	C.	Α.	How	ARD		'08	}	tied at	7 ft. 5 in				
Running Broad Jump	W	. A.	SHE	LDO	v, '06	,	19 ft. 2 1-2 in						
•			Елт			19 ft. 1 in.							
			R, '0					. 7 1-2 in					
Shot Put	J.	Α.	Pole	EMU	s, '06	3		35 ft	. 3 1-2 ir	1.			
	Η.	В.	HAB	VEY.	'06			34 ft.	10 3-4 in	1.			
	C.	F.	BRIE	TZKE	, '06			34	ft. 10 ir	1.			
	Μ.	E.	ALL	EN,	08			2	28 ft. 9 ir	1.			
Hammer Throw	W	. J.	KNA	РР,	06		116 ft. 6 in.						
	H.	В.	HAR	VEY,	'06				66 ft. 1 ir	1.			
					s, '06				ft. 11 ir				
	A.	0.	CHR	STE	ISEN,	'07		63	ft. 11 ir	1.			
Discus Throw	L.	0.	Nesi	BIT,	09			9	8 ft. 8 ir	1.			
	Η.	В.	HAR	VEY,	'06				91 ft	t.			
	J.	A. 1	POLH	EMU	s, '06	;			89 ft	t.			
	C.	F. 1	Brei	TZKE	, '06				85 ft	t.			
9		,	ъ.		01								
	nmary	10	Poin	ts by	Cla	sses							
1906 .	7.7	ं	100	7.	33501	*	C) III	61					
1907 .	19	.5	1.5		3.0	*		1-2					
1908 .	10	Α.	151		•	*	56	1-2					
1909 .	400		1000	1.0	2.4	7.		8					

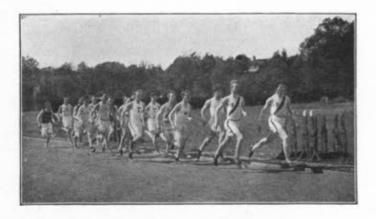


## Held at Technology Field, Brookline, May 12, 1906.

Williams, 66 2-3			Technology, 59 1-3
	No.		
100-Yard Dash	K. W. RICHARDS	M.I.T.	10 2-5 sec.
	H. L. WILLIAMS	M.I.T.	
	A. N. Copperthwait	Williams	
220-Yard Dash	H. L. WILLIAMS	M.I.T.	23 4-5 sec.
	E. H. CLARKE	Williams	
	R. B. Todd	M.I.T.	
440-Yard Dash	R. Howe	M.I.T.	54 4-5 sec.
	H. W. Blackburn	M.I.T.	
	G. S. GOULD		
880-Yard Run	E. L. Wilson	M.I.T.	2 min. 6 3-5 sec.
	W. S. Ayres	Williams	
	B. L. Gimson	M.I.T.	
One-Mile Run	G. H. Buckingham		4 min. 44 3-5 sec.
	B. P. Allen	Williams	
	L. L. WILDER	Williams	
Two-Mile Run	G. R. Bonner	Williams	10 min. 21 1-5 sec.
	H. R. CALLAWAY	M.I.T.	
	E. B. Davis	Williams	
120-Yard			
High Hurdles	M. D. Griswold	Williams	16 3-5 sec.
	G. Horrax	Williams	
	C. A. Eaton	M.I.T.	
220-Yard			
Low Hurdles	M. D. Griswold	Williams	27 4-5 sec.
	G. Horrax	Williams	
	A. M. Brown	Williams	

## ATHLETICS .

High Jump	R. D. FARRINGTON, G. HORRAX	M.I.T. $Williams$	5 ft. 8 1-2 in. 5 ft. 7 1-2 in.
	M. Brown H. A. Rapelye,	$\left. egin{array}{ll} Williams \ M.I.T. \end{array}  ight\}$ tie	ed at 5 ft. 7 in.
Pole Vault	G. Horrax	Williams	10 ft. 6 in
	R. D. Farrington, T. Orr, '08	M.I.T. tied $M.I.T.$	at 10 ft. 3 in.
Broad Jump	A. Brown	Williams	20 ft. 11 3-4 in.
	G. Horrax	Williams	20 ft. 5 3-4 in.
	C. A. EATON,	M.I.T.	20 ft. 4 in.
Shot Put	E. J. Marshall	Williams	39 ft. 8 in.
	J. H. Polhemus,	M.I.T.	37 ft. 11 in.
	H. B. HARVEY,	M.I.T.	35 ft. 2 in.
Hammer Throw	W. J. KNAPP,	M.I.T.	123 ft. 7 in.
	H. H. LAMONT	Williams	109 ft. 9 in.
	M. Flagg,	M.I.T.	101 ft. 5 in.
Discus Throw	H. H. LAMONT	Williams	103 ft. 1 1-2 in.
	F. E. BOWKER	Williams	95 ft. 3 in.
	H. B. HARVEY,	M.I.T.	94 ft. 5 in.



# A. E. J. A. A. Meet

#### Twentieth Annual Track Meet Technology Field, Brookline, May 18 and 19, 1906.

Events	Winners		Time, Height or Distance
100-Yard Dash	H. G. Risegari	Tufts	10 1-5 sec.
	R. H. Porter	Maine	
	G. L. SWASEY	Dartmouth	
	H. L. JORDAN	Dartmouth	
220-Yard Dash	R. H. Porter	Maine	24 2-5 sec.
	H. G. Risegari	Tufts	
	G. L. Swasey	Dartmouth	
	H. L. JORDAN	Dartmouth	
440-Yard Dash	R. Howe	M.I.T.	53 3-5 sec.
	P. Kimball	Bowdoin	
	A. P. Wyman	Maine	
	J. R. Honiss, Jr.	Brown	
880-Yard Run	J. THRALL	Dartmouth	2 min. 4 3-5 sec.
	E. L. Wilson	M.I.T.	
	G. E. Shipley	Dartmouth	
	R. L. Carns	Dartmouth	
One-Mile Run	R. D. Tucker	Brown	4 min. 37 3-5 sec.
	A. L. Wright	Brown	
	E. B. Gray	Wesleyan	
	G. H. Buckingham	M.I.T.	
Two-Mile Run	R. D. Tucker	Brown	10 min. 19 3-5 sec.
	G. R. Bonner	Williams	
	D. S. Robinson	Bowdoin	
	D. T. GALLUP	Brown	

# · ATHLETICS ·

High Hurdles	120-Yard			
M. D. Griswold   Williams   E. Gray   Dartmouth	High Hurdles	J. H. Hubbard	Amherst	15 4-5 sec.
E. Gray   Dartmouth		T. Shaw	Dartmouth	
220-Yard   Low Hurdles		M. D. Griswold	Williams	
Low Hurdles		E. Gray	Dartmouth	
T. Shaw   Dartmouth   H. C. Pond   Trinity   M. D. Griswold   Williams	220-Yard			
H. C. Pond   M. D. Griswold   Williams	Low Hurdles	J. H. Hubbard	Amherst(*)	25 1-5 sec.
M. D. Griswold   Williams		T. Shaw	Dartmouth	
High Jump   R. D. Farrington   M.I.T. (†)   G. Horrax   Williams   H. A. Rapelye   M.I.T.   C. P. Meserve   Maine		H. C. Pond	Trinity	*
G. Horrax   H. A. Rapelye   M.I.T.   tied at 5 ft. 9 in.		M. D. Griswold	Williams	
G. Horrax   H. A. Rapelye   M.I.T.   tied at 5 ft. 9 in.	TT: 1 Y	D D D	3.6.7.00 (4) s	
H. A. RAPELYE   Maine   Steed at 5 ft. 7 in.	High Jump			tied at 5 ft. 9 in.
C. P. Meserve   Maine   Steed at 5 ft. 7 ft.				
Broad Jump				tied at 5 ft. 7 in.
M. Brown   Williams   S. E. Kent   Wesleyan   J. J. Morton   Amherst   20 ft. 10 in.		C. P. MESERVE	Maine	,
M. Brown   Williams   S. E. Kent   Wesleyan   J. J. Morton   Amherst   20 ft. 10 in.	Broad Jump	J. W. MAYHEW	Brown	21 ft. 5 1-2 in.
S. E. Kent   Wesleyan   Tied at 21 it. 3 in.	around bump		Williams	
J. J. Morton   Amherst   20 ft. 10 in.				tied at 21 ft. 3 in.
D. N. ROGERS Maine 10 ft. 10 in. T. ORR M.I.T. 10 ft. 8 in. R. D. FARRINGTON M.I.T. G. HORRAX Williams H. W. NEWTON Amherst tied at 10 4 in.  E. J. MARSHALL Williams 41 ft. 5 in. A. K. DEARBORN Wesleyan 38 ft. 10 1-2 in. J. H. POLHEMUS M.I.T. 37 ft. 9 in. J. W. GAGE Dartmouth 36 ft. 8 in.  Hammer Throw J. W. GAGE Dartmouth 132 ft. W. J. KNAPP M.I.T. 125 ft. H. C. BLAKE Dartmouth 116 ft. 9 in.			No.	20 ft. 10 in.
D. N. ROGERS Maine 10 ft. 10 in. T. ORR M.I.T. 10 ft. 8 in. R. D. FARRINGTON M.I.T. G. HORRAX Williams H. W. NEWTON Amherst tied at 10 4 in.  E. J. MARSHALL Williams 41 ft. 5 in. A. K. DEARBORN Wesleyan 38 ft. 10 1-2 in. J. H. POLHEMUS M.I.T. 37 ft. 9 in. J. W. GAGE Dartmouth 36 ft. 8 in.  Hammer Throw J. W. GAGE Dartmouth 132 ft. W. J. KNAPP M.I.T. 125 ft. H. C. BLAKE Dartmouth 116 ft. 9 in.				
T. ORR M.I.T. 10 ft. 8 in.  R. D. FARRINGTON M.I.T. G. HORRAX Williams H. W. NEWTON Amherst tied at 10 4 in.  E. J. MARSHALL Williams 41 ft. 5 in. A. K. DEARBORN Wesleyan 38 ft. 10 1-2 in. J. H. POLHEMUS M.I.T. 37 ft. 9 in. J. W. GAGE Dartmouth 36 ft. 8 in.  Hammer Throw J. W. GAGE Dartmouth 132 ft. W. J. KNAPP M.I.T. 125 ft. H. C. BLAKE Dartmouth 116 ft. 9 in.	Pole Vault			
R. D. Farrington   M.I.T.   G. Horrax   Williams   H. W. Newton   Amherst   tied at 10 4 in.				
G. Horrax H. W. Newton   Williams Amherst   tied at 10 4 in.				10 ft. 8 in.
H. W. Newton Amherst  E. J. Marshall Williams 41 ft. 5 in. A. K. Dearborn Wesleyan 38 ft. 10 1-2 in. J. H. Polhemus M.I.T. 37 ft. 9 in. J. W. Gage Dartmouth 36 ft. 8 in.  Hammer Throw J. W. Gage Dartmouth 132 ft. W. J. Knapp M.I.T. 125 ft. H. C. Blake Dartmouth 116 ft. 9 in.				
E. J. Marshall   Williams   41 ft. 5 in.     A. K. Dearborn   Wesleyan   38 ft. 10 1-2 in.     J. H. Polhemus   M.I.T.   37 ft. 9 in.     J. W. Gage   Dartmouth   36 ft. 8 in.     Hammer Throw   J. W. Gage   Dartmouth   132 ft.     W. J. Knapp   M.I.T.   125 ft.     H. C. Blake   Dartmouth   116 ft. 9 in.		G. Horrax		tied at 10 4 in.
A. K. Dearborn Wesleyan 38 ft. 10 1-2 in. J. H. Polhemus M.I.T. 37 ft. 9 in. J. W. Gage Dartmouth 36 ft. 8 in.  Hammer Throw J. W. Gage Dartmouth 132 ft. W. J. Knapp M.I.T. 125 ft. H. C. Blake Dartmouth 116 ft. 9 in.		H. W. Newton	Amherst )	
A. K. Dearborn Wesleyan 38 ft. 10 1-2 in. J. H. Polhemus M.I.T. 37 ft. 9 in. J. W. Gage Dartmouth 36 ft. 8 in.  Hammer Throw J. W. Gage Dartmouth 132 ft. W. J. Knapp M.I.T. 125 ft. H. C. Blake Dartmouth 116 ft. 9 in.	CI . D .	E 1 V	107.202	41.00.00
J. H. Polhemus M.I.T. 37 ft. 9 in. J. W. Gage Dartmouth 36 ft. 8 in.  Hammer Throw J. W. Gage Dartmouth 132 ft. W. J. Knapp M.I.T. 125 ft. H. C. Blake Dartmouth 116 ft. 9 in.	Shot Put			
J. W. Gage Dartmouth 36 ft. 8 in.  Hammer Throw J. W. Gage Dartmouth 132 ft. W. J. Knapp M.I.T. 125 ft. H. C. Blake Dartmouth 116 ft. 9 in-				
Hammer Throw J. W. Gage Dartmouth 132 ft. W. J. Knapp M.I.T. 125 ft. H. C. Blake Dartmouth 116 ft. 9 in-				
W. J. KNAPP <i>M.I.T.</i> 125 ft. H. C. Blake <i>Dartmouth</i> 116 ft. 9 in-		J. W. GAGE	Dartmouth	36 ft. 8 in.
W. J. KNAPP <i>M.I.T.</i> 125 ft. H. C. Blake <i>Dartmouth</i> 116 ft. 9 in-	Hammer Throw	J. W. GAGE	Dartmouth	132 ft
H. C. Blake Dartmouth 116 ft. 9 in-				
		H. H. LAMONT	Williams	113 ft. 2 in.

## · TECHNIQUE · 1908 ·

Discus Throw	A. K. Dearborn	Wesleyan (1)	120 ft. 11 1-2 in.					
	B. Smith	Brown	107 ft. 11 in.					
	P. W. LOWE	Dartmouth .	103 ft. 7 1-4 in.					
	H. H. LAMONT	Williams	101 ft. 6 in.					

\*Hubbard made new record in trail heat of 24 4-5 seconds.

the jump off for the record and the medal Farrington passed over 5 feet 10 1-4 inches, which stands for the new record.

1 New Record.

Summary of Points

					A CONTRACTOR OF THE PARTY OF TH				
Dartmo	uth				36	Wesleyan			12 1-2
Brown						Amherst			11 1-3
						Tufts			- 8
William	S	7			19 5-6	Bowdoin		82.1	5
Univers	ity o	f Ma	aine		14 1-2	Trinity			2



# Fall Handicap Sames

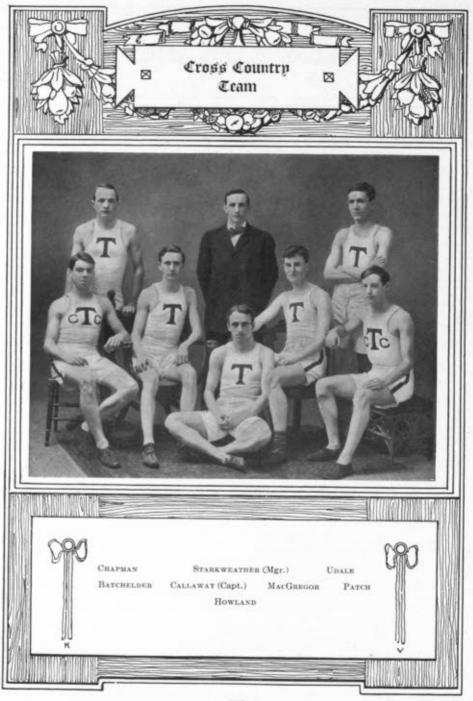
$Held\ at\ Technology$	Field	(	October 27, 1906
Events	Winners	Handicap	Time, Distance, or Height
100-Yard Dash	C. W. Gram, '09	3 yds.	10 2-5 sec.
	G. S. GOULD, '07	3 yds.	
	R. B. Todd, '08	3 yds.	
	H. F. Richardson, '08	6 yds.	
220-Yard Dash	C. W. Gram, '09	5 yds.	23 3-5 sec.
	G. S. GOULD, '07	5 yds.	
	K. D. Fernstrom, '10	5 yds.	
	R. M. KEENEY, '09	5 yds.	
440-Yard Dash	H. J. Ruggles, '08	15 yds.	53 2-5 sec.
	G. B. Cummings, '10	20 yds.	
	L. O. Mills, '10	20 yds.	
	H. W. Blackburn, '08	5 yds.	
880-Yard Run	H. Y. Frost, '10	40 yds.	2 min., 6 1-5
	G. H. Chapman, '08	30 yds.	sec.
	E. L. Flanders, '10	45 yds.	
	B. L. Gimson, '08	Scratch	
One-Mile Run	G. H. Buckingham, '07	Scratch	4 min., 42 sec.
	G. H. Chapman, '08	20 yds.	
	H. H. HOWLAND, '08	10 yds.	
	O. H. Christianson, '07	40 yds.	
Two-Mile Run	M. E. MacGregor, '07	45 yds.	10 min., 131-5
	S. M. UDALE, '07	135 yds.	
	R. Ellis, '09	125 yds.	
	J. N. Stephenson, '09	245 yds.	
120-Yard	H. A. RAPELYE, '08	2 yds. l	back 18 1-5 sec.
High Hurdles	C. A. EATON, '07	6 yds.	

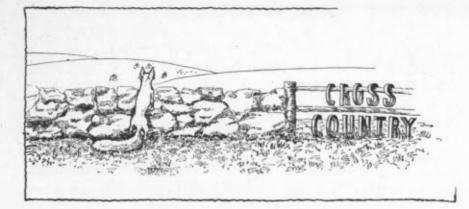
# · TECHNIQUE · 1908 ·

220 Yard		D. 1	FERN	STRO	м, '1	0	1	0 yds.	27 4-5 sec				
Low Hurdle	es F.	D. 8	TEW	ART,	'10			5 yds.					
		A. F					Scr	atch					
	H.	A. 1	RAPE	LYE,	'08			5 yds.					
			F	ield	Even	ts							
High Jump	H.	A. 1	RAPE	LYE,	'08		Ser	atch	5 ft. 7 1-2 in				
7	K.	D. 1	FERN	STRO	м, '1	0		5 in.	5 ft. 7 in				
	H.	W.	BLAC	KBU	RN, '(	08		4 in.	5 ft. 6 in				
	F.	D. S	TEW.	ART,	'10			3 in.					
Broad Jump	G.	Scho	OBINO	GER,	'08		Ser	atch	19 ft. 3 1-2 in				
	C.	A. E	ATO	v, '07	7		-Ser	atch	19 ft. 1 in				
	H.	W.	BLAC	KBU	RN, '(	08	1	0 in.	18 ft. 2 in				
Pole Vault	Н.	F. I	RICH	ARDS	on, '(		5 in.	9 ft. 9 1-2 in.					
	G.	SCH	BING	GER,	'08	Ser	atch	9 ft. 7 1-4 in.					
	A.	Russ	ELL,	'10			1	0 in.	9 ft. 6 3-4 in				
Shot-Put	F.	J. F	RIED	MANI	v, '08	Ser	atch	32 ft					
	M.	E. /	ALLE	N, '0	8		Scr	atch	31 ft. 5 1-2 in				
	C.	W. 1	More	RISON	, '10		Scr	atch	31 ft				
Hammer Throw	M.	FLA	ĠĠ, '(	09			1	0 ft.	101 ft. 8 in.				
	J. 1	M. Fi	TZW	ATER	, '10			2 ft.	98 ft				
	M.	R. 8	SCHA	RFF,	'09		Scr	atch	91 ft. 1 in				
Discus Throw	W.	J. I	PIERO	E, 'C	8		1	8 ft.	107 ft. 9 in				
	M.	E. /	ALLE	N, '0	8		1	0 ft.	97 ft. 4 in				
	Н.	A. 1	RAPE	LYE,	'08		1	2 ft.	94 ft. 7 in				
					<b>61</b>								
	****	P	oints	s by	Class	es							
	1908							58					
	1907				*			34					
	1910		*	7				30					
	1907	7.5	*					20					

# Indoor Class Meet

Technology Gymna	sium	Jan. 8, 1907
35-Yard Dash	K. W. RICHARDS, '07 C. W. GRAM, '09 R. M. KEENEY, '09 R. C. ALBRO, '07	Handicap Time, Height or Distance 4 3-5 sec.
440-Yard Dash	C. W. Gram, '09 F. J. Avery, '10 H. W. Blackburn, '08 K. D. Fernstrom, '10	1 min. 3-5 sec.
880-Yard Run	B. L. Gimson, '08 H. Y. Frost, '09 H. R. Waldo, '10 H. Allen, '08	2 min, 14 1-5 sec.
One-Mile Run	H. H. HOWLAND, '08 R. J. BATCHELDER, '08 S. M. UDALE, '07 R. W. FERRIS, '08	5 min. 5 sec.
40-Yard Hurdles	R. C. Albro, '07 C. A. Eaton, '07 R. M. Keeney, '09 H. A. Rapelye, '08	5 4-5 sec.
High Jump	E. STUART, '10 } R. H. ALLEN, '09 } H. A. RAPELYE, '08 G. SCHOBINGER, '08	tied at 5 ft. 4 in. 5 ft. 2 in. 5 ft. ½ in.
Pole Vault	G. Schobinger, '08 T. Orr, '08 J. Tetlow, '08 E. S. Russell, '10	10 ft. 9 ft. 6 in. 9 ft. 7 ft.
Shot Put	J. H. RUCKMANN, '10 C. W. MORRISON, '08 J. H. CRITCHETT, '09 H. L. SHERMAN, '09	33 ft. 3 in. 32 ft. 7 in. 32 ft. 2 in. 31 ft. 9 in.
1907	Summary of Points 16 1909 34 1910 .	16





#### Officers 1906-1907

President L. Allen, '07

Secretary C. S. CLAPP, '08 Manager

O. H. Starkweather, '07

Captain

H. R. CALLAWAY, '08

Chase Captain M. Ames, '08



#### Cross Country Race with Harvard

Course from West Roxbury to Technology Field

Nov. 16, 1906

Distance, 4 1-2 miles

Won by Technology

Score, M.I.T., 18; Harvard, 38

#### Order of Finishing

- H. H. HOWLAND, '08, T.
- M. E. MACGREGOR, '07, T. H. R. CALLAWAY, '08, T.
- 4
- M. S. Crosby, '08, H. S. M. Udale, '07, T. 5
- W. Minot, '07, H. G. H. Chapman, '08, T.
- H. W. King, '08, H.
- 9 C. L. Batchelder, '08, T. 10 H. F. HADDEN, '09, H.

R. W. Fisher, '08, H.\*

Order of Finishing

- 11 G. N. HEDIN, '08, H.\* 12
- R. W. WHIDDEN, '09, H.\* 13
- L. R. PATCH, '10, T.\* P. WOODMAN, '07, H.\* 14
- 15 16 W. G. HOWARD, '07, H.\*
- 17 R. Ellis, '09, T.\*
- 18 O. H. Starkweather, '07, T\*
- 19 H. E. ALLEN, '08, T.\* 20 R. P. Tenney, '09, H.\*

Time 24 min, 19 sec.

New Record

\*Did not score points

## · TECHNIQUE · 1908

#### Annual Handicap Cross Country Race

Eight-Mile Course in West h	Roxbury	Dec. 1, 1906
Order of Finishing. Name	Handicap	Tîme
J. N. Stephenson, '09	7 min.	53 min. 24 sec.
J. E. Lenox, '09	8 min.	55 min. 6 sec.
E. S. Campbell, '07	5 min.	52 min. 44 sec.
M. Ames, '08	7 min.	54 min. 53 sec.
R. Ellis, '09	3 min.	51 min. 37 sec.
H. H. Howland, '08	Scratch	49 min. 40 sec.
A. O. Christiansen, '07	4 min.	54 min. 24 sec.
B. F. COURTENEY, '10	8 min.	61 min. 22 sec.
B. C. Huber, '10	4 min.	57 min. 43 sec.
L. B. Ellis, '08	8 min.	62 min. 41 sec.



#### Annnal Intercollegiate Cross Country Association Meeting

Princeto	n, N. J.								1	No	w.	28	3,	1906
				S	um	mary	of Points							
First	Cornell	×				22	Fifth	Harvard						76
Second	Pennsylvania					25	Sixth	Columbia						122
Third	Technology.					56	Seventh	Princeton				v		126
	Yale													
			_		_	CONTROL OF								

#### Tech Team (4 Men Scoring)

6	MacGregor	16	CALLAWAY
14	HOWLAND	20	Chapman

Course 64 miles Time 35 min. 28 3-5 sec.





TOBIN (Mgr.)

GIMSON

Topp

GOULD

GRAM

BLACKBURN

M.J.T. vs. Holy Cross

B.A.A. Games, Feb. 16, 1907

M.I.T. Winner. Time, 3 min. 18 sec.



Ve

#### AMER, COLLEGIATE M.I.T.A.A. N.E.I.A.A. 100-Yard Dash 9 4-5 sec. 10 1-5 sec. 10 sec. W. A. Schick R. S. FRANKLIN A. E. CURTENIUS Harvard 1903 Amherst B. J. Wefers G. L. SWASEY Georgetown Dartmouth C. A. BLAIR H. H. CLOUDMAN Chicago Bowdoin 220-Yard Dash 21 1-5 sec. 22 3-5 sec. 22 1-5 sec. B. J. Wefers LE B. TURNER H. H. CLOUDMAN Georgetown 1905 Bowdoin G. L. SWASEY Dartmouth 440-Yard Dash 47 3-5 sec. 51 1-5 sec. 50 1-5 sec. W. BAKER J. A. Rockwell G. B. SHATTUCK Harvard 1899 Amherst 120-Yard High Hurdles 152-5 16 2-5 sec. 15 3-5 sec. A. C. Kraenzlein E. L. OVINGTON S. CHASE Pennsylvania 1904 Dartmouth 220-Yard Low Hurdles 23 3-5 sec. 25 4-5 sec. 25 4-5 sec. A. C. Kraenzlein G. P. Burch J. H. HUBBARD

1899

Amherst

Pennsylvania

#### · ATHLETICS ·

#### 880-Yard Run

1 min. 53 2-5 sec. C. H. KILPATRICK Union 1 min. 59 sec. H. S. BAKER 1903 1 min. 59 sec. H. S. Baker Technology

4 min. 23 2-5 sec. G. W. ORTON Pennsylvania

4 min. 30 3-5 sec. H. S. BAKER 1903

One-Mile Run

4 min. 24 4-5 sec. A. L. WRIGHT Brown

9 min. 27 4-5 sec. A. GRANT Pennsylvania Two-Mile Run
10 min. 20 3-5 sec.
E. H. LORENZ
1905

10 min. 3 3-5 in O. N. BEAN \* Brown

6 ft. 4 in. W. B. Page Pennsylvania Running High Jump

6 ft. 1-2 in.
C. D. HEYWOOD

1893

R. D. FARRINGTON Technology

A. C. Kraenzlein Pennsylvania Running Broad Jump

22 ft. 1 1-2 in.

A. W. GROSVENOR

1899

W. P. Hubbard Amherst

11 ft. 10 3-4 in.
A. V. Grant
Harvard
T. M. Jackson
Cornell

Pole Vault
G. A. CURTIS
1904

J. L. HURLBURT
Wesleyan

47 ft. 9 1-2 in. R. Rose Michigan Putting 16-Pound Shot

40 ft. 1-4 in.

H. P. McDonald
1901

43 ft. 10 1-2 in. R. E. ROLLINS Amherst

J. R. DEWITT Princeton

126 ft. 7 in. W. J. KNAPP 1906

Throwing 16-Pound Hammer

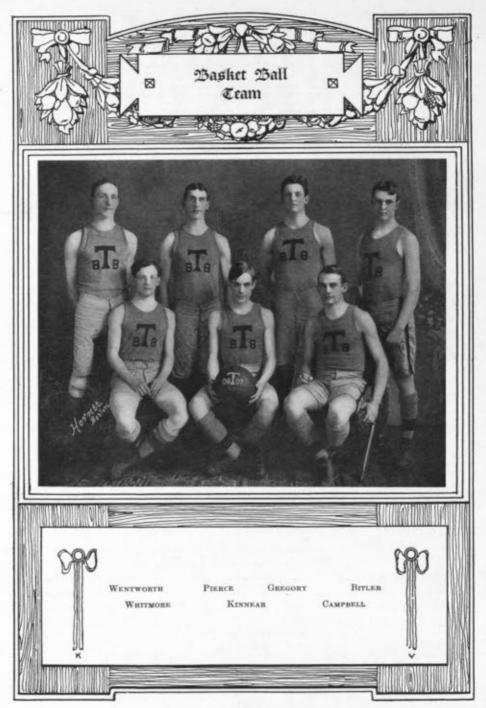
A E. DENNING
Bowdoin

133 ft, 6 1-2 in. M. J. SHERIDAN Throwing the Discus

110 ft. 2 1-2 in.
L. G. MORRILL

1905

A. K. DEARBORN Wesleyan





# BASKET BALL

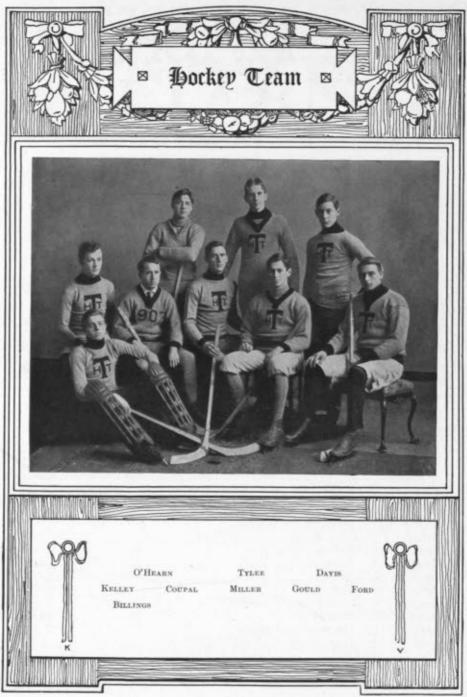
Captain John C. Kinnear, '07

Manager
Charles W. Whitmore, '08

				- 1	cam									
JOHN C. I	INNI	EAR, '07 .					41	1				L	eft I	Forward
EDWARD I	. CA	HILL, '10)									T		- TO	
ELMER R.								*	*		1	ugi	nt r	orwards
WILLIAM .		AL CONTRACTOR	)						7.0					
		EGORY, '08						1			*			Centers
		MPBELL, G.							7.				Lof	t Guard
			0 1										Lei	Guard
		NTWORTH, '0	18									R	ight	Guards
Russell 1	H. N	ichols, '09	)										-	
			Sche	dule	of G	an	ies							Score
Dates			poner	-	0. 0									T O
December	8.	Dartmouth					- 0			-				9-51
December	15.	Lowell Tex	xtile	Scho	ool					-				19-28
December	17.	Boston Co	llege											46-23
December	21.	Boston Co Worcester	Pol	ytech	nic									24-33
January	9.	Brown							2					17-26
January	12.	Williams			e in									8-37
January	30.	Williams College of	the	City	of N	lew	You	k						14-20
January	31.	Brooklyn	Poly	techr	nic									17-14
February	2.	West Poin												13 - 19
February	9.	Brown												5-13
February	13.	Tufts .								-				13-26
February	16.	Brown		1										10-14
February	19.	Harvard							¥.			,		15-36
February	21.	Lowell Te	xtile	Scho	loc									31 - 15
February	26.													14-15
March	2.	University		Maine	е									31 - 36
March	4.	Dartmouth	n	*	*	+	34					٠		16-24
		P	oint	s for	the	Se	ason							

Technology, 302

Opponents, 430





Captain
Gardner S. Gould, '07

Manager William J. Kelly, '09

#### Team

WINTHROP D. FORD, '08	)						
Addison Miller, '07 Joseph S. Coupal, '07	}		*			14	Forwards
WILLIAM J. KELLEY, '09							
GARDNER S. GOULD, '07			-	5.	1		Cover Point
LUTHER DAVIS, '10 .							. Point
Harold D. Billings, '10							. Goal

#### Substitutes

ARTHUR K. TYLEE, '07 WILLIAM J. O'HEARN, '10



#### Schedule of Games

			believed of outlies		
Da			Opponents		Score
December	27,	1906	Newton High School		4-0
December	29,	1906	The state of the s	187	2-3
			Harvard		0-8
January	26,	1907	Braeburn Country Club		2-8
January	28,	1907	Stone's School	140	9-1
January	30,	1907	Williams		2-1
January	31.	1907	Springfield Training School		0-5

#### Points for the Season

Technology, 19 Opponents, 26



President
Walter J. E. Barcus

Captain
Walter G. Pfeil

Secretary and Treasurer and Manager Hudson B. Hastings

#### Team

W. J. KELLEY M. H. PEASE

W. G. PFEIL

W. J. E. BARCUS

C. TURNER

#### Honorary Members

HENRY S. PRITCHETT FREDERICK H. BAILEY HARRY E. CLIFFORD DAVIS R. DEWEY

#### Members

J. M. BAKER B. L. GIMSON R. L. POPE
W. J. E. BARCUS H. B. HASTINGS E. C. RICHARDSON
S. CAIRNS W. J. KELLEY C. TURNER
L. COFFIN M. H. PEASE M. T. WHITING
C. R. CROSS, JR. W. G. PFEIL H. S. WILKINS

# A. C. J. Golf Association

#### Officers

A. W. MITCHELL, Williams, President.
W. H. Garby, Dartmouth, Vice-President.
F. R. Upton, Bowdoin, Secretary and Treasurer.
O. W. Potter, Technology, Chairman Executive Committee.

#### Members

Brown Technology Dartmouth Williams Amherst Bowdoin

M

#### **Annual Tournament**

Held at Woodland Golf Club, Auburndale, Mass., Oct. 19, 1906 Won by Williams.

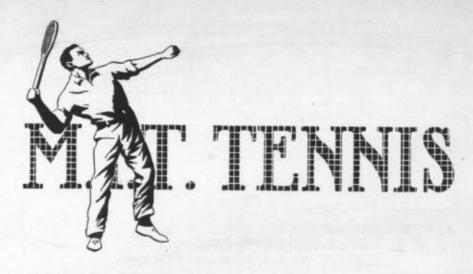
#### Team

A. W. MITCHELL G. LYNDE L. W. MITCHELL R. Jackson

A. GREGORY

#### Individual Championship

Won by F. R. Upton, Bowdoin. Runner up, W. G. Pfeil.



THE Association holds an annual fall tournament open to all students of the Institute. The winning team in doubles and the winner and runner-up in singles represent Technology in the intercollegiate tournament held each May.

#### Officers

President
Paul R. Fanning, '08

Vice-President
J. SEYMOUR NICHOLL, '07

Secretary and Manager WILLIAM B. COFFIN, '07



#### Fall Tournament Final Rounds

Singles — J. I. B. Larned defeated W. B. Coffin, '07.

Doubles — W. B. Coffin and J. I. B. Larned defeated P. R. Fanning and J. S. Nicholl.



THE New England Intercollegiate Tennis Association holds its annual tournament each May, in which each college is represented by two men in the singles and one team in the doubles.

#### Officers

President

JOHN R. McLane, Dartmouth

Vice-President

FERDINAND H. PEASE, University of Vermont

Secretary and Treasurer

J. SEYMOUR NICHOLL, Massachusetts Institute of Technology

#### 1

Amherst Colby Tufts Members Bates Dartmouth Vermont

Brown Trinity Williams

Wesleyan

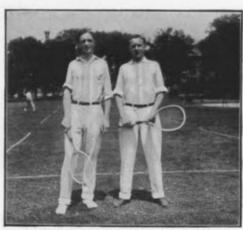
Technology

Technology Representatives

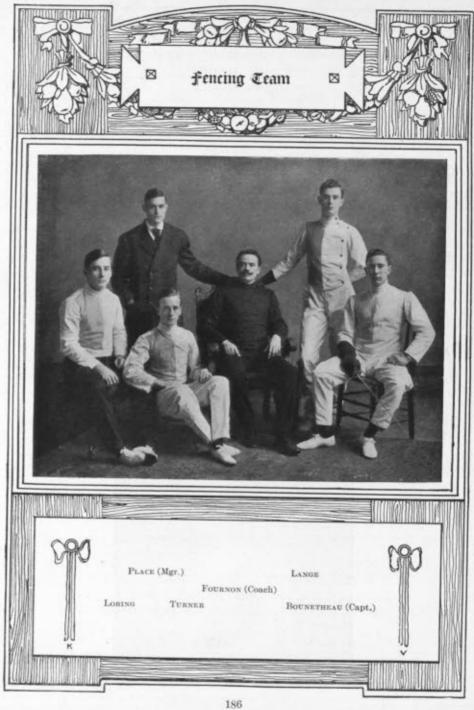
P. R. FANNING

W. B. COFFIN

J. S. NICHOLL



FANNING, NICHOLL Winners of Doubles





Captain
Harold D. Bounetheau, '08

Manager
Alfred G. Place, '08

Team

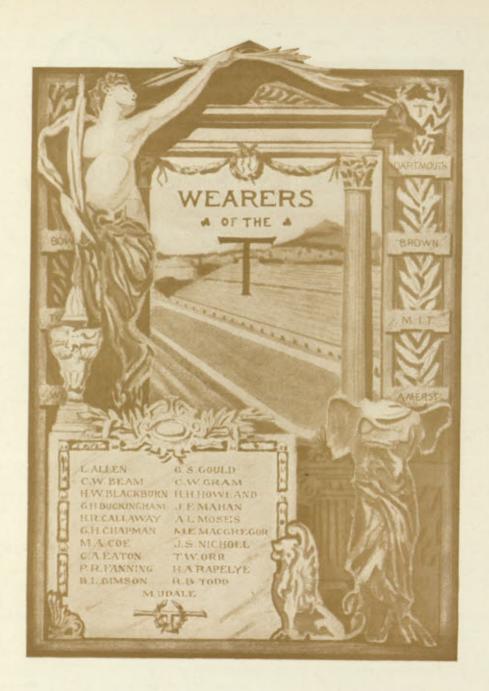
Ve

Harold D. Bounetheau, '08 Ernest M. Loring, '09 ARTHUR H. TURNER, '08 FRANK I. LANGE, '09

Coach Lucion Fournon

Matches

Springfield Training School vs. Tech. (Won by Tech.)
Tufts vs. Tech. (Won by Tech.)
Triangular: Yale, Columbia and Tech. (Won by Yale.)



# Technology Field Day

N

1909 vs. 1910



November 16, 1906

# Sixth Annual Field Day

Ve

NIQUE to the Institute, the annual field day has become more and more the greatest athletic carnival of the Technology year. That of 1906 showed this more than that of previous years. Adding to the importance of the day was the presence of a good number of members of the Corporation and Faculty. Both classes entered the contest with well-trained teams, each event was hard

fought, and the Sophomore Class won the day

by a single point.

In the first event of the afternoon, the cross country race between Harvard and the Institute, the green Technology team sprung a big surprise on the Harvard veterans, capturing the first three places easily and breaking the old record for the course.

As in former years the football game was looked upon as the most important event. The Freshmen came upon the field with a slight advantage in that Captain Godfrey of the

Sophomore team, due to a bad ankle, was unable to play. The game throughout was a close grueling contest on a field partly flooded and very soft. On account of the heavy field the playing was confined to the old-fashioned football, line-plugging and cross bucks predominating, while all attempts at forward passing and onside kicks met with failure.

Neither team was able to score during the entire contest, although the Sophomores had hard work to smother the desperate attempts of the Freshmen to score in the

second period.

Between the halves of the football game came the relay race and tug-of-war. The former was won by the Sophomores only after a fight in which the lead shifted from one class to the other in nearly every relay. Not until the last lap was the race assured to 1909.

The tug-of-war was the most remarkable that has ever



#### · ATHLETICS ·

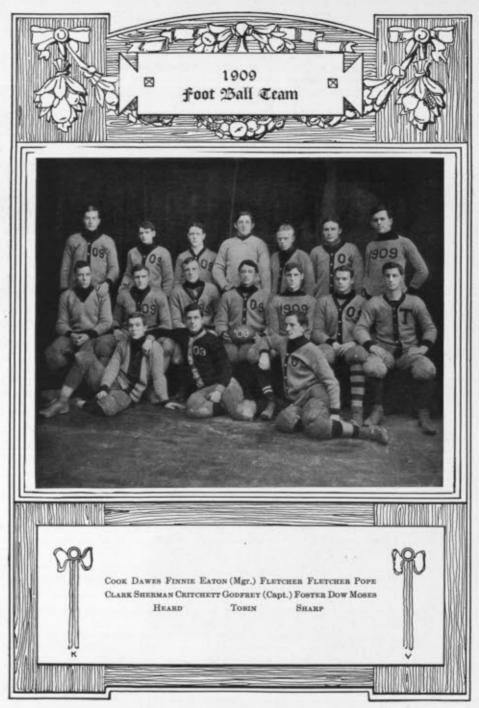
been witnessed in the history of field days. As the twenty-five men from each class lined up on either half of the rope the Sophomores seemed to

have the advantage of weight and strength. The Sophomores at first pulled the Freshmen over about three feet. For half a minute there was a standstill, and then the Freshmen pulled the center marker over to their side. Twice this distance was then gained back by the 1909 team, but the Freshmen getting their efforts again in unison pulled the Sophomores off their feet and gained the required distance.



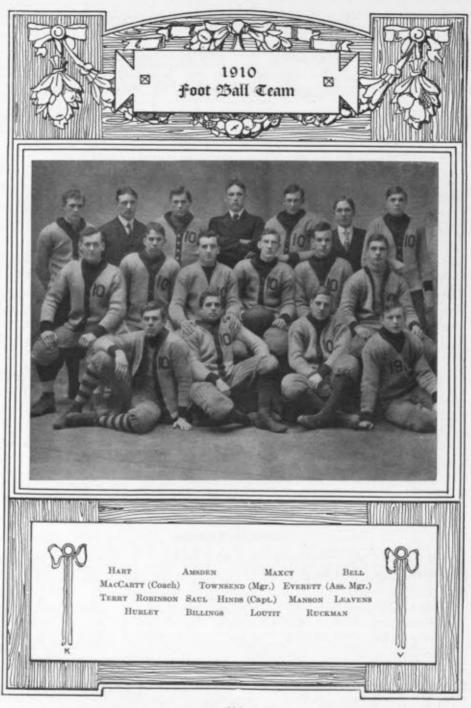
				Scor	e by	Poir	nts			
				10000	*				1909	1910
Football					63		10	1	2	2
Relay	12	-		-	1			4	3	0
Tug-of-wa	r	- 14							0	2
Total	7	5	4	1	4.1	1		2	5	4

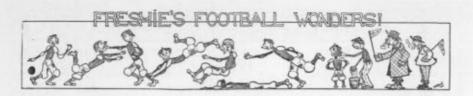






						8							
Capte	ain									M	anag	er	
KARL D.	God	FREY							HA	ROLD	I. 1	EATON	
JAMES J.	Тов	IN .									Righ	t End	
HARDY M	I. Co	ок .								R	ight	Tackle	
JAMES H	. Cri	TCHETT								R	ight	Guard	
BENJAMIN	w.W.	Dow										Center	
HAROLD	F. Fo	STER									Left	Guard	
CHESTER	H. I	OPE								Ri	ght '	Tackle	
FRANK C	. HE	ARD .				(4)				Qu	arte	r Back	
ALONZO I	L. Mo	OSES								Left	Hal	f Back	
EUGENE	A. H	UNT							F	Right Half Bac			
HAROLD I. EATON			4						Full Bac			l Back	
					Sub	stitu	tes						
HENRY I	. SH	ERMAN									Left	Guard	
HORACE .	L. CI	ARK		2				1				Center	
PHILIP M	. WE	NTWORT	Н							Left	Hal	f Back	
HAROLD S	SHAR	Ρ.								Qu	arte	r Back	
						V							
				Sc	hedi	ıle of	Gam	es					
October	8.	1909 vs						270				5-4	
October	17.	1909 vs										0-5	
October	27.	1909 vs							71.00			0-5	
October	30.	1909 v								15		6-5	
November		1909 v										0-11	
Novembe		1909 v					Conto			10		0-0	
		2000 01	-									0-0	



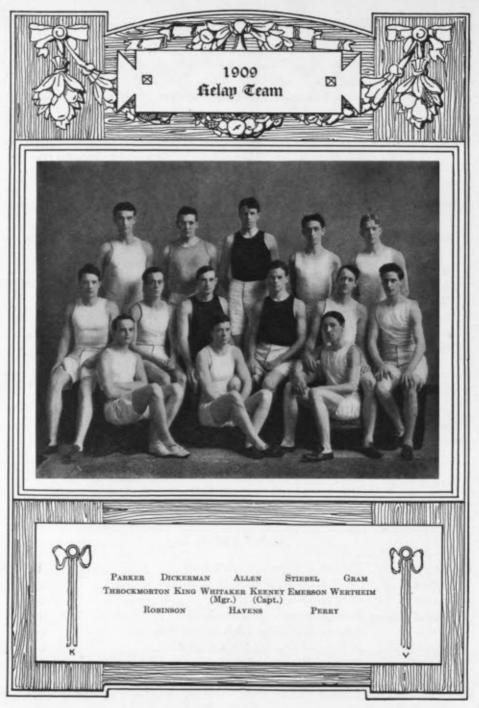


				V				
Captain								Manager
H. S. HINDS							John	M. TOWNSEND
HORACE S. HINDS .						4	0	Right End
Otis W. Amsden .	1	-	7.5				V-1	Right Tackle
PHILIP D. TERRY .		7	-					Right Guard
WILLIAM T. ROBERTS	2		4.5		45	12		Center
HAROLD C. MANSON		24	15		1	2		Left Guard
KENNETH LEAVENS			- 5					Left Tackle
FRANK F. BELL, JR.		1						Left End
HAROLD D. BILLINGS						1		Quarter Back
ROBERT C. LOUTIT								Left Half Back
FREDERICK A. HURLEY		,						Right Half Back
TOM W. SAUL .	*		*					Full Back
			Subs	titut	es			
George S. Emerson	ř.							Right End
ROBERT F. MAXCY								Left End
PHILIP HART			-					Left Half Back
JOHN H. RUCKMAN								Right Half Back
Kenneth Robinson								Right Guard



## Games Played

October	13.	1910 vs.	Waltham High School					15-0
October	17.	1910 vs.	South Boston High Scho	ool	-	-		5-0
October	20.	1910 vs.	Dean Academy				91	0-0
			Lowell Textile School					6-9
November	2.	1910 vs.	Brookline High School (	one				0-6
November	10.	1910 vs.	Worcester High School					0-6
			M.I.T., 1909					0-0





A

1909

ROBERT M. KEENEY

Captains

1910

KARL D. FERNSTROM

#### Teams

Harry E. Whittaker Robert M. Keeney Clark S. Robinson Raynor H. Allen Walter W. King Harold R. Perry Harry L. Havens Oak L. Throckmorton Herbert J. Stiebel George I. Emerson Herbert J. Wertheim Carl W. Gram Frank D. Stewart
Ralph L. Pope
William R. Waldo
Forrester B. Avery
Erford M. Potter
William M. Drew
Walter K. Brown
Harold Lockett
George B. Cummings
John Avery, Jr.
Lee Kalbach
Karl D. Fernstrom

Distance 1 1-2 miles

Won by 1907

Time, 5 min. 9 2-5 sec.







1909

M. P. SCHARFF

S. S. BUNDY

M. Flogg

SHIRLEY A. MACE Ernest A. Ware MAURICE R. SCHARFF Frederick M. Heidelberg ARMIN F. HEROLD ROBERT C. GLANCEY STANTON S. BUNDY THOMAS B. BLACK DANIEL BELCHER Russell H. Nichols Edward F. Cookingham Lewis B. Nisbet George W. Bowers HAROLD M. SYMONDS MELVILLE K. WEILL WILLIAM G. FICK EUGENE G. LUENING FRANK G. TAITE MONTAGUE FLAGG EDWARD J. HOOPER Carlton D. Jacobs Benjamin W. Pepper Angus E. Burt GEORGE MILLER JOHN C. STEVENS

JOHN W. NICKERSON B. E. Hutchinson WILLIAM C. FERGUSON Captains

Managers

Anchors

Teams

Bert Wohlgemuth MONTGOMERY ELLIOTT CLARENCE L. JONES RALPH L. BARTLETT ARTHUR J. FOOTE PHILIP W. BURNHAM JOHN F. COLE CARL C. DUDLEY James A. Cox Frank L. Cobb WILLIAM H. DUFFIELD LAWRENCE G. RICE John S. Long CARL H. SHAW NATHAN RANSOHOFF

W. D. RICHARDSON ARTHUR K. ADAMS FRANK A. BAKER

C. C. DUDLEY

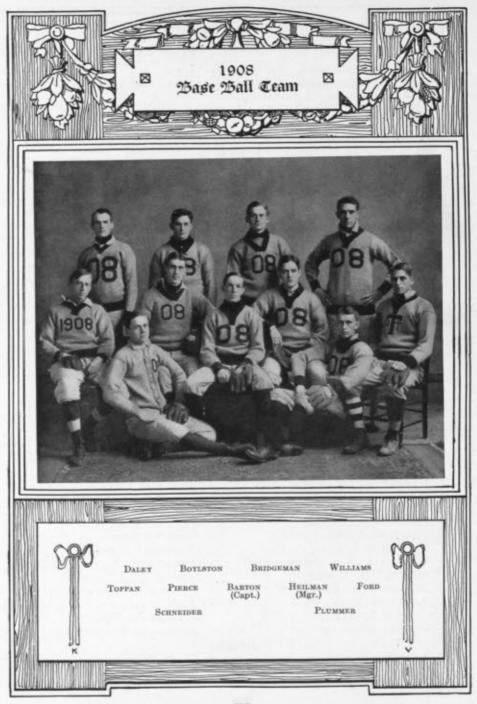
1910

J. M. FITZWATER

J. M. FITZWATER

JOHN M. FITZWATER LUKE E. SAWYER ARTHUR R. NAGLE HARVEY P. WASSERBOEHR Francis B. Hooker VICTOR E. SIEBERT George E. Batcheller A. M. ALLEN HAROLD R. WILBUR Russel B. Wells

Substitutes





	Car	otain								Ma	nager	
WILL	IAM	E. Barton						W	ILLIA	M	R. Hi	EILMAN
CLIFF	ORD	H. BOYLSTON									Firs	t Base
EDGA	R I.	WILLIAMS .									0	atcher
WINT	HROI	PE D. FORD .							2		Thir	d Base
WILL	IAM	E. Barton .	4	- 1	-				1.5		Shor	t Stop
WILL	IAM :	R. HEILMAN									Righ	t Field
WILL	IAM .	J. PIERCE .									Lef	t Field
MITCI	HELL	J. DALEY .								-	Cente	r Field
CHES	TER :	L. STANLEY .								5	Secon	d Base
		E T. BRIDGMAN H. TOPPAN	}								P	itchers
		HNEIDER, JR. )									Subs	titutes
					V							
			Sche	dule	of G	ame	s					
Da	The same of	1000 W 141										Score
April	14.	1908 vs. Walth					*			*		10-8
April	17.	1908 vs. Englis				7.4	:			*	100	7-2
April	24.	1908 vs. Roxbu										5-3
April	25.	1908 vs. Somer							*			0-2
May	1.	1908 vs. Boston						٠				6-5
May	5.	1908 vs. Lowell	Te	xtile								10-8
May	11.	1908 vs. 1909										8-5
May	14.	1908 vs. 1909										15-7
April	16.	Representative	Ger	ntlem	en o	f 190	18 vs.	. 190	8.			

Gentlemen defeated.



(	Capta	in								$M_{\ell}$	ana	ger
		APPLIN										SHARP
HARO	DLD S	. Landis	84 W	-	20		723		120		Chir	d Base
FRAN	кD.	APPLIN	50 0	- 0	100		- 5					rt Stop
PHILI	P M.	WENTWORT	Н			167		21	15.5			er Field
		H. Nichols	Th 1	- 35	26	50				100		Catcher
		J. Kelly	10		10	100		- 10	- 1	Se		d Base
		. Perry	10 10		- 50	35		*				t Field
	The second	Carron				70	9/53					Pitcher
		MINOT, JR.		- 8	323		5.40)					t Base
HARO					1.0		* *		-			
HARO	LLD E	HARF .			2			*		. 1	agn	t Field
KAYN	OR H	I. ALLEN	F	RANK	C. 1	TEAF	RD			John	W	. Shea
					A							
			Sch	edule	of G	ame	S					
A	Date	1000 75	e D	. 1 1	00							Score
April	14.	1909 vs. Tu				$\mathcal{K}_{i}$	3.5			* -	$\mathcal{D}_{i}$	10-3
April	19.	1909 vs. Wa			gh	*		*	100	80	$\chi_{\underline{\mu}}$	2-8
April	21.	1909 vs. Me		400		*	2.5	6	$\cdot \times$	400		4-14
May	2.	1909 vs. Bo				90	3.4	*		6.5	$\hat{\mathbf{x}}$	12-8
May	9.	1909 vs. Br		High	١.,	* 1	14	400	14	46		0-14
May	11.	1909 vs. 190	1000		4	20				25	•	5-8
May	14.	1909 vs. 190	)8 .		1.5	20		27	39			7 - 15





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H. F. Foster	J. MATTE	M. T. WHITNEY			
C. Freed	L. D. NISBET	T. L. WILKINSON			



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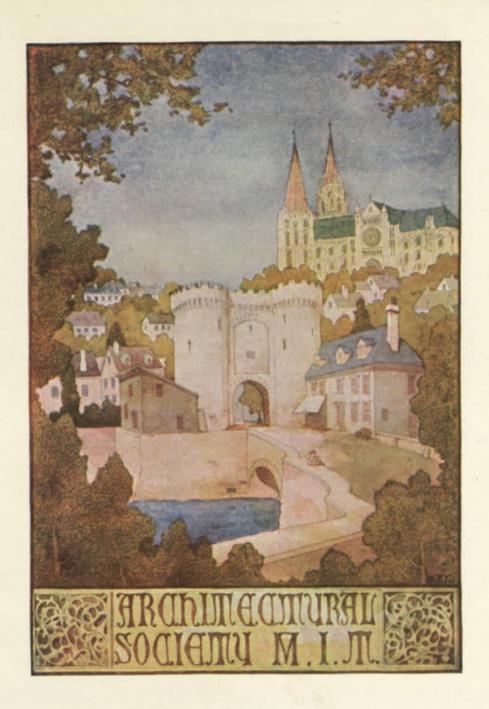
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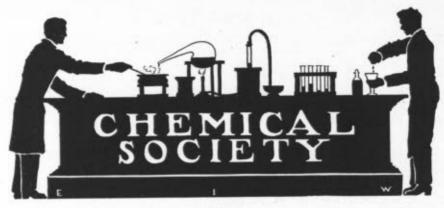
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E. J. Genoud	T. J. MURRAY	R. W. J. WINT
	1909	. 4

o. o. oom	o. Ar. Hooki	THE COLUMN TO THE PARTY OF THE
R. E. DRAKE	A. T. Lyford	J. Tetlow
A. F. Edge	A. H. Lufkin	L. W. Thurlow
P. A. Esten	J. McGowan	R. B. Todd
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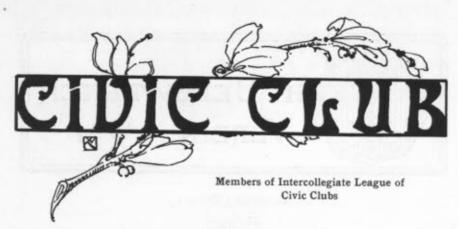
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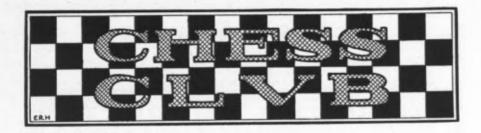
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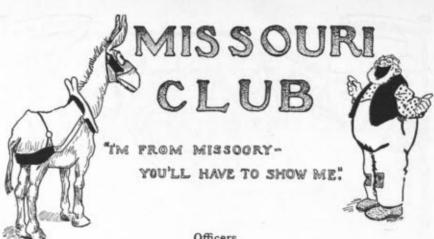
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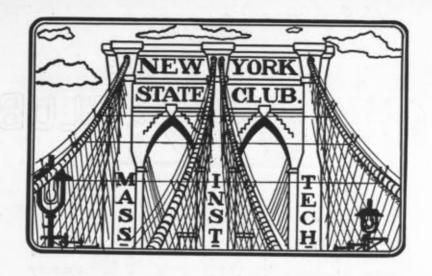
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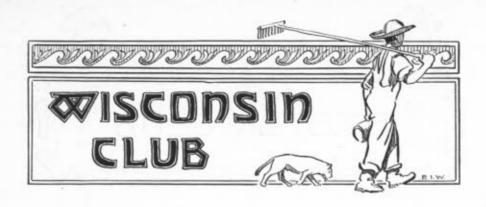
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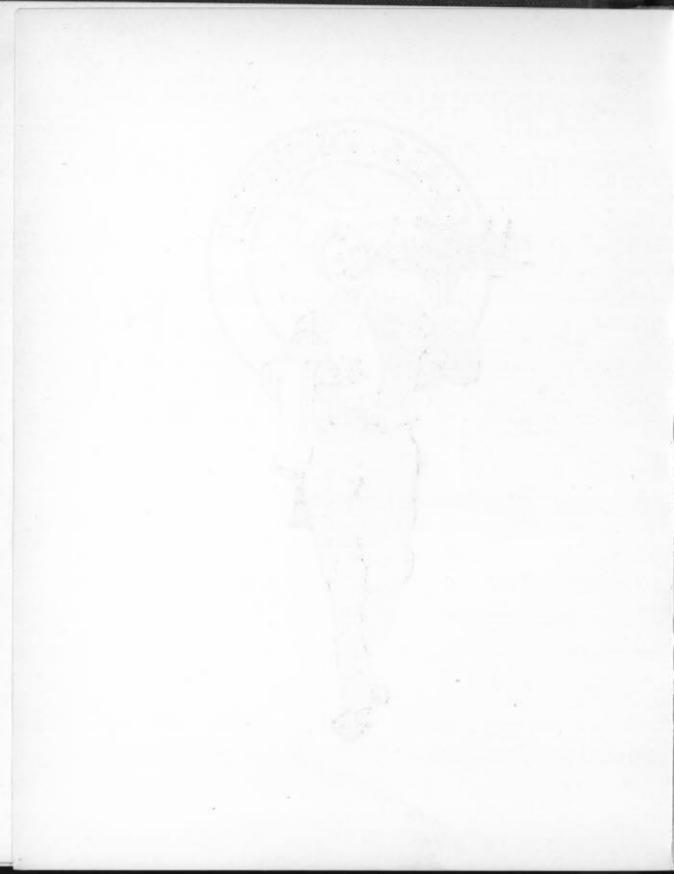
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John H. Leavell

Speakers

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Held at the Union Nov. 3, 1906

Toastmaster Francis H. McGuigan

Speakers

DEAN BURTON PROF. MERRILL PROF. WENDELL MR. RAND

### Sophomore Class Dinner

Held at the Union Nov. 2, 1906

Toastmaster
B. E. Hutchinson

Speakers

MR. RAND

MR. BLACKSTEIN

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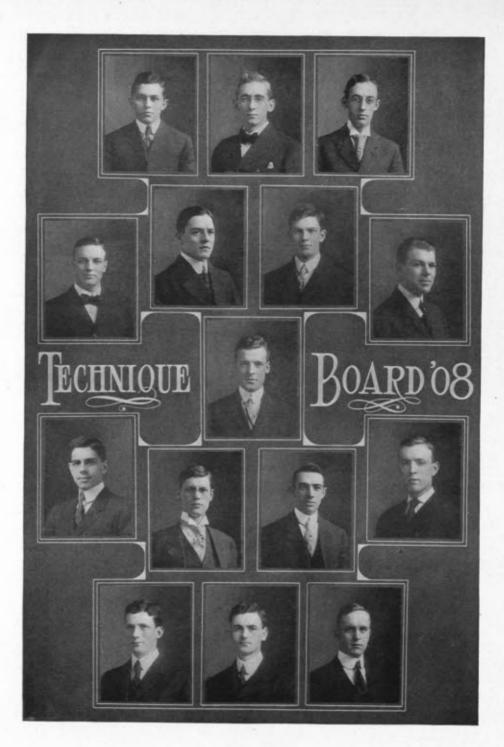
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Associate Editor

Associate Editor

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Ve

THE TECH has been the official organ of the student body for twenty-six years.

When it was first published, in 1881, it was a biweekly. It was changed in the fall of 1893 to a weekly, and in the fall of 1904 to a triweekly. The Tech Board of Editors is chosen from the student body by competition. At present the average sale is six hundred copies.



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### History of "Technique"

Ve

ECHNIQUE first made its appearance at the Institute in 1885. It was called "Technique '85," and was published by the Class of '87. Although it was but a pamphlet, it showed that there was a demand for such a publication. "Technique '89" was the first to depart from the pamphlet form. Technique has developed with remarkable rapidity. It is now named after the class that publishes it. The Board of Editors is of the Junior Class and is chosen by an Electoral Committee at the end of the Sophomore year.

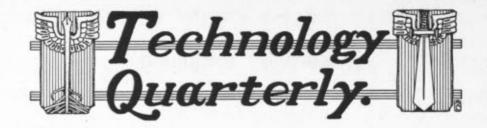
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THE TECHNOLOGY QUARTERLY was founded by students of the Classes of 1887 and 1888, William S. Hadaway, Jr., '87, being the first Editor. In two years a Committee of the Faculty took charge of The Quarterly, and Mr. James P. Munroe was appointed Editor. Later, in 1892, the Society of Arts undertook its publication, and combined with it their proceedings. It is now conducted by that Society through an Editor and a Board of Publication. It has become the official journal of the Institute for the publication of the results of research by officers, graduates and students.

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ROBERT P. BIGELOW



Association of Class Secretaries. Its object is to promote the welfare and advancement of the Massachusetts Institute of Technology by keeping its graduates and others interested in its progress in touch with it. In its articles are discussed the growth and expansion of the Institute, the general problems of education that pertain to it, and the important achievements, both in engineering and science, of its past students. It also reports in an informal way the actions taken by the Corporation and Faculty, the meetings of the Alumni Associations, and the news relating to the Technology Club, to student organizations, and to the social life of the Institute in general. It presents also the personal information obtained hy the Class Secretaries in regard to the occupations and activities of former students. It has already a large circulation, and is an important factor in extending the knowledge of the work that the Institute is doing.

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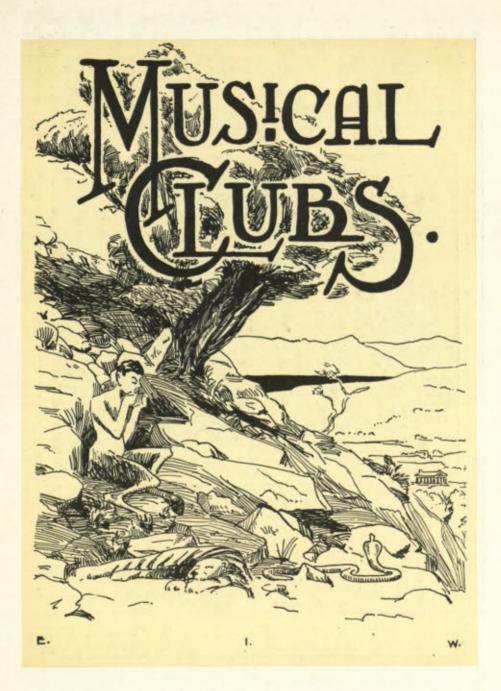
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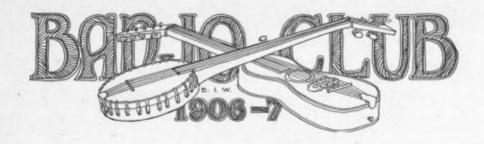
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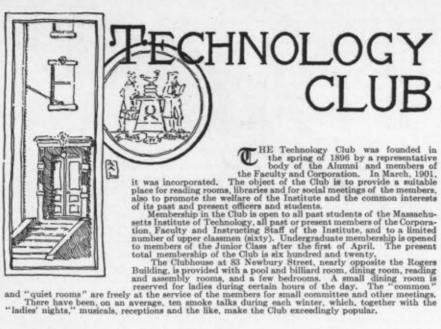
T. W. SAUL



IN order to obtain the best possible Technique Board, near the end of the Sophomore year a committee of twenty-five is selected by the class from its members.

This committee in turn selects the Technique Board, with the exception of the Art Staff, which is chosen by competition.

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THE earnings of the Co-operative Society are devoted to scholarships for the assistance of needy students. The society has stores in Rogers, Eng. A and Eng. C, where materials are furnished to students at low rates.

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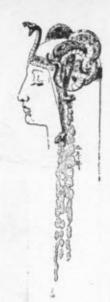


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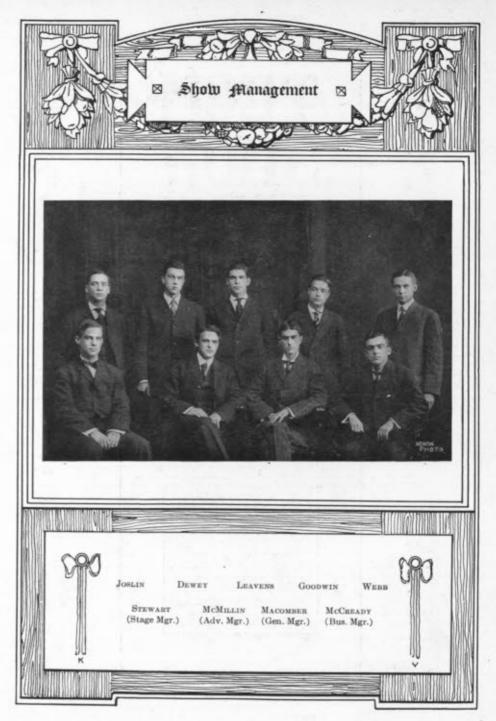
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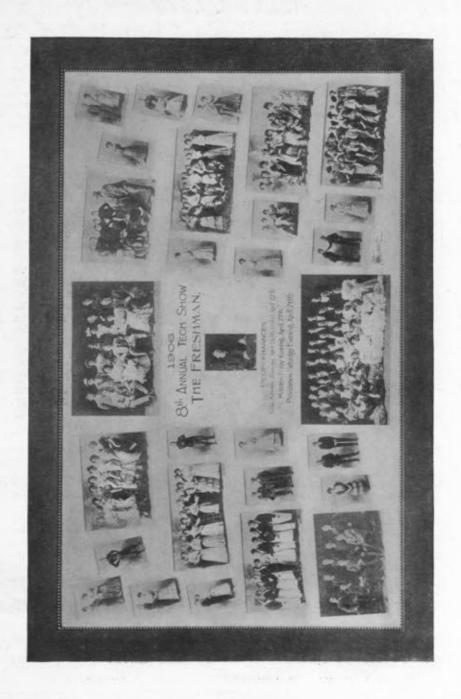
Francis Harrington McGuigan Harry Webb (Chairman)

HARRY ANDREW RAPELYE HENRY RICE PUTNAM









## TECH SHOW, 1907

# William, Willie, Bill

A Musical Comedy by E. W. James, '07

#### Music by

C. W. Coffin, '07	H. L. Moody, '07	A. H. GINZBERG, '09
E. H. Packard, '07	H. A. Hale, Jr., '10	H. S. WONSON, '07
	Lyrics by	

C. R. Bragdon, '07 E. H. Packard, '07 H. A. Hale, Jr., '10 G. C. Westervelt, '07 E. W. James, '07 H. S. Wonson, '07

#### CAST

#### CHARLIE NEWBURY, clerk of summer hotel and a student,

WILLIAM SMITH, a student, called "William" . John Chauncey Childs, '09
WILLIAM SMYTH, a student, called "William" . Raynor Huntington Allen, '09
WILLIAM SMYTHE, a student, called "Bill" . RAYNOR HUNTINGTON ALLEN, '09
WILLIAM SMYTHE, a student of a mechanical turn of mind, William Alexander Adams, '08
MAX EIMER, a student of a mechanical turn of mind, William Alexander Adams, '08
COLONEL FESSENDEN, who owns a yacht, Edward Frederick Orchard, '08
MAISY FESSENDEN, his daughter, and a Wellesley girl, Joseph Blair Sando, '08
SYLVIA DRAPER, a Wellesley girl . Abram Harry Ginzberg, '09
MAUD EKSTROMER, a Wellesley girl, and waitress at the hotel,

ARTHUR LEON STEIN, '10

DELANCY SWELTER, son of Mrs. Swelter, and a student,

FARMER, just a native

ELWELL RANSOM JACKSON, '10
. ANDREW N. REBORI, '07
s collect, RINKER KIBBEY, '08

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Guests. Eben Whitney Chaffee, '10; Arthur Leslie Harding, '10; Robert Linden Pope, '10; Laurence Todd Hemmenway, '10; Stirling Burton Dyer, '10; John Alden Holbrook, '10; William Craig Ferguson, '09; Malcolm Bridges Hall, '10.

Dancers. William John Orchard, '10; Eugene Phelps, '09; Merrill William Tilden, '10; Alton Mace Cook, '08; Edwin Kenyon Jenckes, '10; Henry George Atkinson Black, '10.

Sailors. Benjamin Warren Dow, '09; Franklin Benton Lyons, '10; Herbert Sydney Gott, '10; Lincoln Mayo, '08; Armin Ferdinand Herold, '09; John Francis McNamee, '10.

Sailor Girls. John Edwin Barnard, '10; Arthur Lassell Shaw, '09; Roger Talbot Boyden, '10; Raymond Barrus Temple, '09; Abram Harry Ginzberg, '09; Raycroft Walsh, '10; Richard Clark Jacobs, Jr., '10; Samuel Rogers T. Very, '07.

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German Band. James Irving Finnie, '09; Jack Munro Longyear, '10; Roy Wallace Lindsay, '07; George Roswell Norton, '07.

# Masque

Ve

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PHILIP E. HINCKLEY
ROSWELL DAVIS

RAYNOR HUNTINGTON ALLEN
CHARLES JOSIAH BELDEN
JOHN CHAUNCEY CHILDS
CHARLES WOLSTON COFFIN
ALEXANDER ELLIS
CLIFFORD CHASE HIELD

WILLIAM BENJAMIN JENKINS
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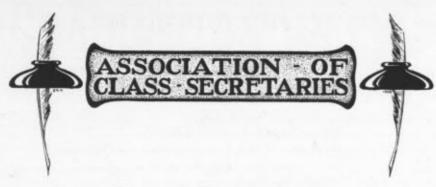
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Harold O. Bosworth, '02, Secretary, Rocky Mountain Technology Club

Allston Sargent, '98, Secretary, Technology Club of New York

Edmund P. Marsh, '89, Chairman Executive Committee, Technology Club of the Connecticut Valley

Paul Weeks, '02, Secretary, Technology Club of Philadelphia

Colbert A. MacClure, President, Pittsburg Technology Association

Henry A. Boyd, '79, Secretary, Tech Society, Western New York

Frederick W. Swanton, '90, Secretary, Washington Society of the M.I.T.

RICHARD W. PROCTOR, '94, Secretary, The Cincinnati Club of the M.I.T.

John A. Collins, Jr., '97, Secretary, The Technology Club of the Merrimack Valley

John O. Armes, '93, Secretary, The Technology Club of Rhode Island

Charles F. Wing, Jr., '99, Secretary, The Technology Club of New Bedford

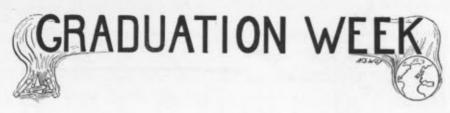
Charles H. Stratton, '00, Secretary, Annapolis Society of M.I.T.

Redfield Proctor, Jr., '02, Secretary, Vermont Technology Association

George W. Baker, '92, Secretary, Technology Club of Hartford

Jacob Stone, Jr., '99, Secretary, The Technology Club of Minnesota

Sidney Y. Ball, '03, Secretary, The Technology Club of Cleveland



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Thursday, May 31st

CLASS DINNER

at the American House, 6 P.M.

Friday, June 1st

ALUMNI RECEPTION

Engineering B, 7.30 P.M.

Saturday, June 2d

CONCERT TO THE CLASS BY THE MUSICAL CLUBS
HUNTINGTON Hall, S P.M.

Sunday, June 3d

BACCALAU REATE SERMON BY THE REV. DR. ALEXANDER MANN
Trinity Church, 4 p.m.

Monday, June 4th

Class Day Exercises

Huntington Hall, 2 P.M.

CLASS SPREAD

on the Lawn, 4 P.M.

SENIOR DANCE

Copley Hall, 8.30 P.M.

Tuesday, June 5th

GRADUATION EXERCISES AND CONFERRING OF DEGREES
Huntington Hall, 2.30 p.m.

PRESIDENT'S RECEPTION

in the Library, 4 P.M.

"Tech Night" at the "Pops"
Symphony Hall, 8 p.m.



# Program

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Music

			THE COLO	
President's Address . First Marshal's Address Statistics and History		:		MAXWELL ALANSON COE HERMANN CHARLES HENRICI RLES FREDERICK W. WETTERER
Prophecy		· ·	Music	WILLIAM FRANKLIN ENGLIS GEORGE MITCHELL HENDERSON
Oration				Joseph Thomas Lawton, Jr.
Presentation of Class Gir	ft			. Maxwell Alanson Coe

# Class Day Officers

President .			MAXWELL ALANSON COE
First Marshal			HERMANN CHARLES HENRICI CHARLES FREDERICK W. WETTERER
Second Marshal			HERBERT LAURENCE WILLIAMS
Third Marshal	*31		. HERBERT LAURENCE WILLIAMS

# Class Day Committee

CHARLES TERRELL BARTLETT LAURENCE GOULD BLODGETT	ANDREW HAMILTON KELEHER WILLIAM JARED KNAPP		
GEORGE WILLIAM BURPEE MAXWELL ALANSON COE STEWART CLARK COEY WILLIAM FRANKLIN ENGLIS EDWIN DIEDERICH A. FRANK GEORGE MITCHELL HENDERSON HERMANN CHARLES HENRICI	JORGE LAGE JOSEPH THOMAS LAWTON, JR. MILTON TURNLEY LIGHTNER LOUIS FRANCISCO MESMER RALPH REGINALD PATCH JAMES HIGBIE POLHEMUS GUY CARLETON SIMPSON		
ALFRED WILLIAM HERTZ THOMAS LESLIE HINCKLEY BRUCE RITCHIE HONEYMAN	PHILIP BARTHOLOMEW STANLEY HERBERT ARTHUR TERRELL CHAS. FREDERICK W. WETTERER URENCE WILLIAMS		



# Puntington Pall, Tuesday, June 5, 1906

INTRODUCTORY REMARKS

READING OF ABSTRACTS OF THESES

ADDRESS BY THE PRESIDENT

CONFERRING OF DEGREES

PRESIDENT'S RECEPTION

## Abstracts of Theses

- CHARLES TERRELL BARTLETT CIVIL ENGINEERING
  Tests to Determine the Tensile Strength of Steel Angles. (With H.
  B. Orcutt.)
- Harold Vinton Otis Coes

  A Determination of the Live Load on Locomotive Driving Springs under Actual Running Conditions. (With C. A. Howard.)
- Russell Peter Raynolds Mining Engineering Lime Roasting of a Galena Concentrate with Special Reference to the Savelsberg Process. (With A. E. Wells.)
- Ernest Albert Walter
  A Design for a Museum of Fine Arts.

  Architecture
- Frederick Hartwell Willcox
  The Determination of Slag and Oxides in Wrought Iron and Steel.
- Edward Thomas Steel Electrical Engineering A Study of the Commercial Value of a Diesel Engine Unit when Applied to the Generation of Electricity. (With C. F. W. Wetterer.)
- Edgar Clifford Steinharter
  On Neutral Red as a Presumptive Test for the Colon Bacillus in Bacteriological Water Analysis.
- Burton Warren Kendall Physics
  A Determination of the Coefficient of Expansion of Silver-zinc Alloys
  by the Abbé-Fizeau Dilatometer. (With C. S. McGinnis.)
- WILLIAM JAMES WALSH

  A Method for removing Sulphuric Acid from the Gases Evolved while
  Charging Storage Batteries.
- CHARLES SAVILLE SANITARY ENGINEERING
  A Study of the Purification of Paper Mill Waste.
- CHARLES LYMAN ANSON
  Rudder Experiments on the Steam Launch Relief. (With C. F. Edwards.)

# SUMMER -ZCHOOL-

# The 1906 Mining Engineering Summer School

N June 6, 1906, a party of six members, R. Hayden, '06, M. W. Hayward, '06, A. T. Heywood, '06, W. Hastings, '07, C. Y. Wen, '08, under Prof. Charles E. Locke, started from Boston for Buffalo, where they were joined by P. H. Mayer, '07, and T. K. Tse, '08, who started from New York City.

From Buffalo we went to Niagara Falls, where we visited The Inter-



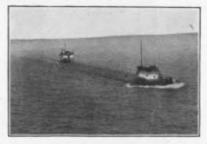
national Acheson Graphite Co., the Carborundum Co. and the Niagara Falls Power Plant. Mr. Acheson was so kind as to show us round the different departments and the electrical furnaces in which the anthracite coal is converted into graphite.

In the Carborundum Company we were shown how the beautiful peacock feather colored carborundum was

made.

About noon on the 7th we were through with our work, and went to the "Cave of the Wind," and about 6 p.m. the same day we were hurried to the boat for Cleveland, where we stopped but a short time. Pleasant memories of the beautiful suites we had still remain. (They were so big, well furnitured and inexpensive that all the fellows said, "Me, for Cleveland.") Professor Richards joined us here. The same afternoon we took a train back to Ashtabula, where we took an ore boat, John J. Allbright, for Duluth. During this trip some of the fellows played ball down in the hold. Our recollection of Duluth is more due to the food there than to its scenery. A fellow had to pay only twenty-five cents for a big sirloin steak with mushrooms. Here we were joined by Mr. Witmore, a

Course II graduate. That night the hotels were so crowded, on account of some city elections, we had to go back to our dear John to sleep one more night. Three of our fellows tried to go to a show that night, but the best theater opened then was Bijou and the best seat in the house was twenty-five cents, so they were disappointed and didn't go. Early in the morning on the 12th we went to Mesobi range

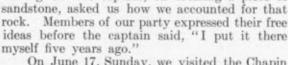


and started to work again. This time we visited the Oliver Iron Mining Co. and the Mahoning Ore and Steel Co. In visiting these and the following mines each of our fellows was assigned a certain subject by the professors, and he had to report what he knew, saw and heard on his subject in the evening. We met the professors every evening from 8 P.M. to 11 P.M. to discuss and write out our reports.

## · SUMMER SCHOOLS ·

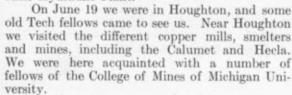
From Hibbing we went to Ironwood, Mich. There was only one train in a day and its speed was of the same order. Many of us experienced our first underground trip in the Newport Mining Co. here, and Wen was so scared on descending a ladder that he trembled and was ordered not to go any farther. The next day he was all right, but he still insisted that the others should go down before him, because he wanted to take his time.

On the 15th we took the same old one-day train for Iron Mountain, and in the Oliver Iron Mining Co. the captain, on crossing a piece of



On June 17, Sunday, we visited the Chapin

Mine Hydraulic Plant.



On June 24 we were in Sault Ste. Marie, where we visited the Algoma Steel Company, in which a Tech graduate is the superintendent of

the blast furnaces. He gave the professors a dinner that night, and we were excused from recitation. Professor Hofman joined us here.

On June 28 we were at Sudbury. We visited the nickel and copper mines and smelters, the Creighton and Victoria mines, etc. They roasted the ores in the open air, and the smel lof the sulphur would make a

"bromide" "sulphitic." Here ended the Summer School, and the fellows celebrated it by a rough house.

We then took the train from

Sudbury to Montreal.

We made a very short stop in Montreal, where Heywood left us for New York City.

On crossing the frontier a customs inspector came up to Tse and Wen, and after asking them a few

questions said, "Are you married?" This pleased our two Celestials greatly.

On the 2d of July we arrived at Boston safely, and we disbanded. Hurrah for the miners.

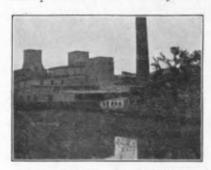
# Industrial Chemistry Summer School, 1906



was on the afternoon of June the sixth that the Industrial Chemistry Summer School trip started by the gathering together of a party of Technology scientists in front of the plant of the Standard Sugar Refinery of South Boston. When we were all together our chaperon, Professor Thorp, looked the crowd over and, after suitable instructions, went into the office to present our credentials. We all were luckily admitted and started at the beginning

of the sugar process and carefully noted every detail in the various operations. We were each assigned a definite branch of the process, and in so doing simplified matters a great deal and kept Fleming from quizzing every man he met as to what each machine was used for. We spent the entire afternoon here to great advantage, and every minute detail was shown us, from the unloading of the crude sugar to the barreling of the finished product. Leaving the plant late in the afternoon, we all hustled home to pack our things; for the real part of the trip was to commence the next morning, when we were to start for Providence.

The next morning dawned bright and clear and when the nine-o'clock train pulled out of Back Bay for Providence, everyone was there with bells.



We made a hurried stop-over at Pawtucket and took in the B. P. Clapp ammonia works, and then went to Providence where we visited the T. P. Shepard & Co. sulphuric acid works. This proved a very interesting plant, which was operated on the usual lead chamber process, but burning both pure sulphur and pyrite. After inspecting this plant we had a few hours of spare time, which we spent in seeing the beautiful Rhode Island State Capitol. In wandering through the

spacious halls of this building we discovered the Chemical Laboratory and stepped in. When we entered the chemist appeared, to our surprise an old Tech "grad." We were very interested here, so much so that we did not realize how the time was slipping away until Peabody took out his Ingersoll, and informed the party that our train would be leaving soon. We all started for the station and caught the electrics for Fall River, where we managed to stop a train which carried us to the New York boat.

It was on this boat that we spent our first night away from home and mother. Our roommates had already been decided upon, and after depositing our valuables in our rooms, we all began to want for the same thing — food. But before this was allowed us we were enticed into a conference by Professor Thorp to be held in the main saloon. After partaking of the best on board, the fellows strolled out on deck to enjoy the trip down the Sound. A beautiful full moon was well up in

#### SUMMER SCHOOLS

the sky and everyone seemed to be out enjoying it. We got together and sang songs and enjoyed the privacy of a stag party until late in the evening, when one by one the tired ones dropped off to their downy cots. We all slept well and were not disturbed until four A.M., when Fleming's voice could be heard coaxing Mahr to get up and see the phenomenal Brooklyn Bridge. There was no more rest for the weary after Mahr had got up, and so everyone arose and prepared to leave the boat as soon

as it landed, for we were to catch an early train at Jersey City, where, after breakfast, we were met by our second chaperon, Professor Talbot. Accompanying him were the final reports of the year's work which he had succeeded in getting from the office. Everybody lined up for the better or worse, and the eventful news was related to each individual in turn. After the news everyone bore a sort of "as if" look and commenced to console the others. It was then announced time to be off for Newark.



We were glad that the subject had been changed, and hurried for the train. At Newark we saw the Central Stamping Company, where everything from a pint pail to a wash boiler was being turned out. From here we started for Perth Amboy to see the works of the American Smelting and Refining Company. This was the largest plant we had seen, copper, lead, gold and silver being refined on a very extensive scale. Three Tech men were employed here, who showed us through the many departments and explained to us all the various operations. Upon leaving Perth Amboy we started for Philadelphia, arriving there at 8 o'clock. The headquarters of the party was at Green's Hotel, where we put up for ten

days. The next day was bright and cheerful and all were up early to take advantage of it. The first place visited was the distillery of Alex. Young & Co., in which, needless to say, everyone was interested. The amount of red tape which the distiller has to pass through in the hands of the government was exemplified here. After going through the distillery we were allowed to enter the bonded warehouse, where several thousand barrels of fire-water were stored. In the afternoon we enjoyed the hospitality of the John F. Lewis Co., manufacturers of white lead and paints of all kinds. This was a very old concern, dating back for eighty or ninety vears. The old Dutch process was seen here to its best advantage, over fifty stacks being given up to this work. The next day was put in at the Whithall, Tatum Co. at Millville, New Jersey. This company is practically the whole town, where it operates two immense plants. As the Institute receives a great deal of glassware from this concern, we were very interested in seeing just how the beakers and various instruments we had used were made. The entire morning was spent at the so-called

lower plant, where the beakers, etc., were made. At noon the party was entertained by the young ladies of the town, who gave us a very delightful and appetizing lunch. In the afternoon the upper plant was visited, where the best grades of ware, such as barometers, hydrometers, etc., were made. These were, strange to say, standardized by girls, which explains why Fleming was so interested in just how they were calibrated. The remainder of the afternoon was spent in tossing pennies for a bunch of urchins to scramble for.

Our trip was not all play, but rather all work, as the spare hours were few and far between. Evenings were occupied by the holding of conferences in which the plants were discussed in detail. The monotony of these affairs was broken when Dr. Talbot graciously passed around his

Havanas for the benefit of all who used the weed.

Aside from Green's, the most popular place for the boys appeared to be at the "Automat," where by dropping in a nickel an eight-course dinner might be mechanically deposited in front of you. The only time we could tell it was time to eat was to watch for Fleming and Mahr when they went to the hotel desk for their daily supply of nickels.

In the next few days the Altantic Refining Co., United Gas Improvement Co., Campbell Preserving Co., Dill & Collins Paper Co. and the

Welsbach Light Co. were visited.

At the Atlantic Refining Co. much was learned as to how "John D." makes his money. After seeing this immense plant we enjoyed lunch with the company and then went to the gas works. We found the Campbell Co. a very interesting place, as it was on a different line from what



we had seen. There were several Tech men in the employ of this company, whom we were surprised to see and still greater surprised when we were invited to lunch with the directors of the company. The Welsbach Co. seemed to cause more talk than all the rest, and it was several days before Moses and Moody recovered. Here eight hundred girls were employed, and when the party of Tech "fussers" struck the place there was some excitement. It was all the chaperons could do to keep the fellows together. We

were entertained by the directors of the company in a very cordial way, a lecture was given on the history of the Welsbach mantle and its development, after which a buffet lunch was served to the enjoyment of all.

Our first Sunday had arrived and the party started for Altantic City to wear off a few inches from the board walk. It was here that Mahr won his leather medal. When noon came a bet arose between Peabody and Mahr in which Peabody agreed to pay for all hot dogs over three that Mahr could eat. This was too easy for Mahr, who immediately started for a lunch room and in due time disposed of nine of the canines and

## · SUMMER SCHOOLS

topped off with three dishes of crab salad. In the evening the fellows minus Mahr visited Willow Grove Park, which is the great amusement park for Philadelphia. All the money that was not spent at the beach was disposed of here, enjoying the latest novelties of the season. In going home a shower came up which drenched us to the skin. Mahr, being afraid he had caught cold, sat up all night to wait for the bar to open Monday morning. He was rewarded at 12.05 A.M. with a glass of fire-water, and, covering himself with three feet of blankets, fell fast asleep with the thermometer outside at 80°. While the fellows enjoyed themselves at the beach, Professor Thorp thought he would shake the cares of a family and enjoy himself automobiling with a friend. They had got about ten miles out of the city when the machine broke down, and before the damage could be repaired a terrific thunderstorm came up and soaked our chaperon to the skin. When he arrived in town the general opinion was

that he had been rescued from a watery grave.

It was with great sorrow that we paid our bills at Philadelphia and started for Baltimore, for we had enjoyed every minute of our time in the Quaker City. A hurried stop-over was made at Wilmington, Del., to see the bleachery of Joseph Bancroft & Sons. It was the first unfortunate day we had had, for we waded three miles in a heavy rain to and from the plant. Everyone was glad when we got back to the station and our Baltimore train pulled in. Our destination at Baltimore was the Club Hotel, where we again settled down for the last three or four days of our trip. The plants visited in Baltimore were D. F. Haynes Co., potters, Baugh Chemical Co., Sharp & Dohne, pharmaceutical chemists, and Fred Bauerschmidt's brewery. But the most interesting was the day we put in at Sparrows Point investigating the mysteries of the enormous Maryland Steel Co. This plant employed over five thousand hands, and made the steel into innumerable articles direct from the iron ore. We were the guests of the company at the hotel for lunch, after which we went out to the plant and spent the afternoon in feeding the darkies watermelons. Another place which we visited was the factory of Christopher Lipp, makers of fine soap. At the brewery the next day, "Webster" succeeded in lowering a brewing vat over a foot before he was caught. Mahr, being from Roxbury, refused to taste a rival maker's beer, and so was the only dry man in the party. This plant concluded probably one of the best and most successful summer trips ever offered by the Institute. Everyone was congenial and went for a good time and everyone got what he was looking for. It was with great sorrow that the party broke up the next day, some of the fellows going to Washington, while others left via the Merchants and Miners Line for Boston.

# Creursion of the Third Pear Naval Architects

By a Survivor

BOUT the beginning of December it was all fixed up. A beautiful itinerary was mapped out by Professor Leland, who was to be our cicerone and guide, and everybody set to work to collect \$25.00, which sum, we were assured, would be amply sufficient for all our needs. On the evening of Monday, the 17th of December, the gang assembled at the Back Bay station and set off for New York, via the Fall River boat.

There were nine of us. Besselievre, De Loach, Denny, Masjoan, Mason, Pope, Sutton, Steele and Wright, and I contend that it was



Jules Wright and no other who started the trouble. At dinner that same evening he proposed that we sample Scotch ale, a beverage which he declared was mild and yet

bracing.

We fell. At Newport, Masjoan's nose was bleeding so badly that the services of a doctor were in demand, Sutton and Besselievre were already closeted in their stateroom and Denny and Mason were swapping symptoms behind the pilothouse. The next morning dawned so bright and sparkling, however, that no one had the heart to rake up the painful events of the preceding evening, and a harmonious band met Professor Leland at the pier in New York. A ferry and a C. R.R. of N.J. train conveyed us to Philadelphia, the tedium

of the journey being lightened by little anecdotes of the eccentricities of cows and hens, with both of which creatures our genial guide seemed to

be on more than a casual intimacy.

Our first sight of real ships was at the New York Shipbuilding Co., at Camden, whose works we inspected under the care of Mr. Swan, the

manager. We also lunched "on" the company in an establishment where everybody was in

a hurry.

In the afternoon we wandered back to Philadelphia and criticised Cramps'. Joe Pope earned the reputation of being somewhat of a devil by surreptitiously taking photographs of items of interest. Here also Professor Leland, christened "Pa" by certain of the unregenerate, met a friend. The greeting, on the friend's side, was ornate and emphatic even if not strictly conventional, and the bystanders for an instant had a glimpse into shipyard life.

As the afternoon wore on and it got colder and colder, our interest in keels and



# NAVAL ARCHITECTS' TRIP .

angles was somewhat stifled by visions of a beefsteak and something hot and long, and presently an undignified scramble was made for a city-bound car. Steele and Mason got lost, but nobody cared. The Ratskeller claimed us for a space and silence prevailed for thirty minutes by the clock. De Loach "set 'em up." Later we took train to Baltimore, where Steele and Mason were found. Here we had some trouble in finding our hotel. Pa was sure it was the Merchants Hotel and wandered round endless streets looking for it. Finally at 12.15 a.m. he met a cop and decided to ask him for information. The nine sat on their grips at the street corner and waited. Sounds of laughter and merry chat were borne to us from the cop's direction, and presently 12.30 chimed out. After five minutes more of pleasant badinage they separated and Pa informed us there was no such hotel as the Merchants. The thermometer stood at 10° F. and relations were rather strained.

Next morning we took trolley to Sparrows Point and put in three

interesting hours at the shipbuilding end of the Maryland Steel Company. At lunch Pa made a canvass to find out those who wanted to visit the steel works in the afternoon. Everybody had sore legs, and the project was dropped in favor of an immediate return to Baltimore. At the hotel a toast was drunk to Sparrows Point, and De Loach's full name was divulged, John Keller De Loach. By unanimous vote it was changed to John Ratskeller, and thereafter he answered to Ratsy. Washington was reached the same evening, and on the train Denny was initiated into the mysteries of poker to the extent of seventy-five cents, Wright and Ratsy being the executioners.

The next day the towing tank was visited,

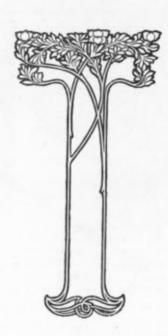


and in order to note wave formations everybody took turns in lying on their stomach on a plank of doubtful strength and cleanliness, suspended about six inches above the water. It rained all day in Washington and everybody was cold and wet on their return to the hotel. Steele "set 'em up." Here also Denny and Ratsy discovered the "El Reno." It should be the "El Dorado." The gentleman in the white coat is an artist and will long be remembered by two grateful hearts.

That night we journeyed by boat to Newport News, and next morning inspected the last yard on the list. Multitudes of coons and fine weather were the main features of this stopping place. We were to return to Boston by the Merchants and Miners boat from Norfolk, and the majority elected to arrive at the port via Old Point Comfort, where an excellent lunch added considerably to the natural delights of the spot.

The voyage home on the *Juanita* was uneventful, but not by any means lacking in excitement. Ratsy and Masjoan undertook to teach all comers how to play the great American game, and everybody proved to have a

thirst for knowledge. Jack-pots ran as high as thirty-five cents. Joe Pope quit in the second night and Steele and Denny faded out next morning. Ratsy and Masjoan alone were left, but the South American delegation was a better bluffer, and Ratsy left the smoking room as Bunker Hill appeared. It was unanimously decided by the company assembled on deck that \$25.00 was, to say the least, a conservative estimate of the necessary expenses, but that the trip, both from the point of business and relaxation, had been well worth it.

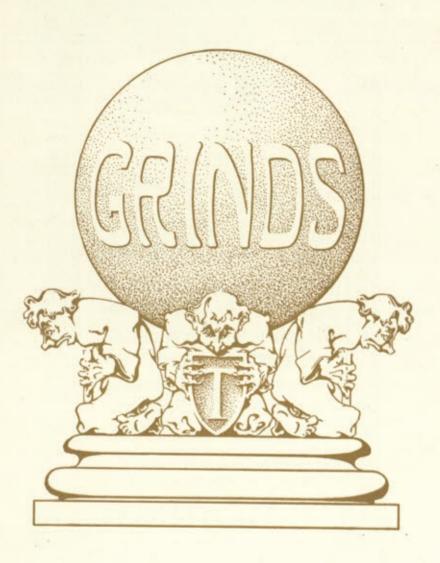


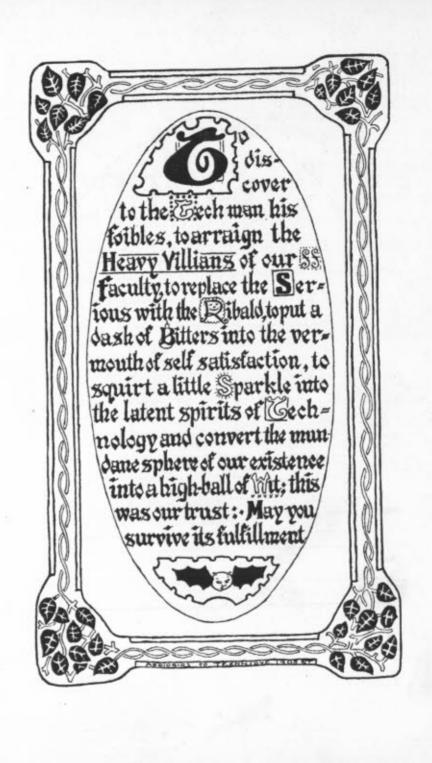


# The Winter Girl

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When I'm cramming up for Mid-years,
And I've got so much to do
That I don't know where I'm standing,
And I'm feeling awfully blue,
I tilt my chair back, close my eyes,
And let my fancy roam
Away to where the Winter Girl
Awaits my coming home.







Prof. Allen (with third year Civils on tramp across country): "It is the practise of all good engineers to take a lunch about this time."

BILL ADAMS (feeling in his pocket): "You're right. Some good engineer took mine."

PROF. LANZA (in Applied Mechanics): "My definition is that a riveted joint is broken when you can put one part of it here and the other part of it in the other corner of the room."

#### So Modest

Mr. Bradley (in Machine Tools): "You are here to think. Do what you are told. If it is impossible, an instructor will do it for you."

#### Song of the Merrie Idler

The Fac-cul-tee
Of Tech caught me
And put me in a course;
They worked with zest
And did their best
To keep me there by force.
But I was cute,
I knew the Stute,
They scarce could se-duce me,
I flunked things so
They let me go:
I fooled the Fac-cul-tee.

Crossy, '07 (in Electrical Engineering): "I should think that it would be very dangerous to work on the high potential side of a constant current transformer."

Prof. Lawrence: "We can't make all our instruments fool-proof Mr. Crosby."

#### Those Naval Instructors

M. E. Denny, '08: "Is not the two legged support of a Gantry crane apt to twist when in action under a heavy load."

Mr. Leland: "Well I've seen some pretty heavy loads supported

safely on two legs, although maybe they did wabble a bit."

W. A. Adams, '08 (interrupting Professor Allen's explanation of why a track walker was different from a walking beam): "Professor Allen, do you know what C.E. stands for?"

C. Frank: "No."

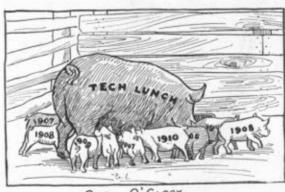
W. A. A.: "Contractor's Enemy!"



#### Wonder What He Meant

Dr. Jagger told the second year Course I. men that "knowledge of this would come in handy if any of you happen to find yourselves in a volcanic region."

H. R. Putnam, '08 (reciting in Mining Engineering): "An eccentric is a very short shaft with a diameter smaller than its radius."



O'CLOCK

A freshman handed in the following subjects for short themes.

"The cycological writings of Poe."

2. "Some reactions of aluminium in thermite and explosive compounds."

# GRINDS .



He's much too indulgent, you know,
To his classes, he favors them so;
With his soft, gentle look,
He gives them the hook
And consigns them to regions below

He's the father of dread and despair;
His exams make the best of us swear.
When a smile of grace
Embraces his face,
Oh study and pray and beware!





One Boiler Expert's Opinion

E. D. Bowles of Tech, holler inspector, was on hand and looking over the remains of the boiler which exploded, long before the iron was cold—and he was one of those driven from the vicinity of the wrecked and twisted tubes by a revival of the flames.

"Nothing that we can see yet shows that there was anything the matter with the boiler which an inspection should have shown.

"That may come out, however, when the rubbish is cleared off for some 40 feet so we can get at things.

"It is evident, however, that the middle seam went first, and that the whole front of the boiler was blown forward as from a great cannon. Anyone in front would have been annihilated; so if the engineer came out with comparatively slight injuries he was evidently standing to one side.

"But, as I say, nothing more definited than the general direction of the explosion can be determined today."

## Repartee

G. S. WITMER (in Theoretical Electricity): "What do you mean when you say 'mass'?"

Prof. Clifford: "I mean any measureable amount of matter."

WITMER: "What do you mean by electrical matter?"

PROF. CLIFFORD: "Nevermind."
INDEFATIGABLE GEORGE:
"What is mind?"

Prof. Clifford: "No matter!"

#### Yes, Indeed!

PROF. DEWEY (in Political Economy): "Electric wires run over the surface of the earth would release nitrogen and you can easily see that this would increase the crop of potatoes. . . . ."

"If you double the capital of a cotton factory and hire more workmen, you will get more than double the number of shoes you got before."

#### Salome?

Prof. Cross (in a lecture on Optics): "You all know how thin gauze is used on the stage . . . ."
[Loud and continued applause.]

After hearing a paper read by one of the men, Professor Doten asked Hathaway '08 to read his answer to the same question.

HATHAWAY: "I had the same idea, sir."

(They sat in adjacent seats.)

# WAS BOILER DEFECTIVE?

# State Inspector Believes So and Says Disaster Resembles Brockton's

According to State Boiler Inspector E. D. Bowles, the explosion was a peculiar one in that the boiler did not hurl itself half through the building, as was the case in Brockton, but, instead, blew its own front out with the force of a dozen cannons; so that while anyone standing in front of the boiler would be instantly killed it was possible for one standing to one side, even in the boiler room, to escape without great injury. This was exemplified in the case of both Engineer William J. Dunning and Janitor Thomas Drury. Dunning's escape was remarkable, but even more so was that of the faithful old factory keeper, "Tom" Drury, an elderly man who has long been in the company's employ.

#### · GRINDS ·

Major Bigelow: "A spy may be a man or he may be a woman."

#### Fs

A casual little F or two
Should signify no harm to you;
So meet them with a careless "Pooh!"
Unless, of course, they're chronic.
They really do you good; in fact
They make your brain with pain contract,
And then with vim your thoughts react:
They work just like a tonic.



#### From an Examination Paper in Pol. Econ.

QUESTION: "What is the unearned increment?"
Answer: "A sort of plough used in the middle ages."



Unless you lead the best and simplest life, beyond a doubt The muck-rake man will get you if you don't watch out.

# Hydraulics

PROF. MOTT: "Consider a lamina of water whose thickness is  $\Delta x$  and sides are A B and C D. Now as  $\Delta x$  approaches zero—" FALES, '07: "Then there will only be one side."

1906 Appreciated

ONE OLD GRAD: "Have you seen the fountain of youth?"

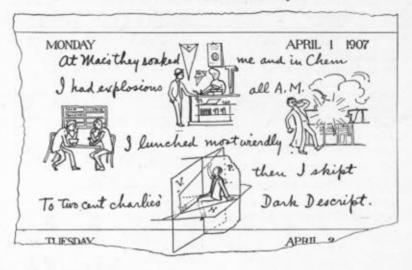
OTHER OLD GRAD: "No, where is it?"

ONE OLD GRAD: "In Rogers corridor."



"Guarded by that unholy token, who dares to beard the lion in his den?"

Torn from a Freshman's Diary:



H. E. Weeks, '08 (translating — 'Er hieratete in die Schweisz'): "He married in a sweat."

Mr. Lenz (in German class at the end of the fourth week): "Mr. Poor, will you translate?"

Poor: "I am not prepared."

Mr. Lenz: "Do you think it policy to be always unprepared?"

POOR: "I have only been unprepared twice this term."

Mr. Lenz: "And how many times have you been present?"

Poor: "Er - hm, two times."



I am Weighed down with Trouble

Dr. Kurrelmeyer (to Witmer, '08, absent the day before): "Wo waren Sie gestern, Herr Witmer?"

WITMER: "Zu Hause."

Dr. Kurrelmeyer: "Warum?"

WITMER (suddenly, after considerable thought and hesitation): "I took a pill."

At a Repair Shop

"Do you recover umbrellas here?"

"Yes."

"Well, I wish you'd recover one for me. I lost it at the Tech Union."

#### · GRINDS ·



PROF. POPE (discussing the application of the atomic theory to the following formula): 2Na  $Cl + H^2SO^4 = Na^2SO^4 + 2HCl$ .... "and since the atomic weight of sodium is 23, the sodium atoms jump up and drive the hydrogen out of the acid."

Mr. Hare (translating German): "If he had only one other brother besides himself."

We note, with pride, that several Harvard graduates, to put a proper finish on their educations, have entered the class of 1908.

#### At the Winter Concert

'09 (trying hard to waltz): "One, two, three; one, two, three; one, two, three; . . . .

His Partner (sarcastically): "Are you an adding machine."

'09: "No, but that is my slide rule."

Dr. Roever: "Absent last time, Mr. Thöde?" Thöde: "No sir, I couldn't be here."

Prof. Clifford: "Activity is work divided by time or as some writers have it — work over time."

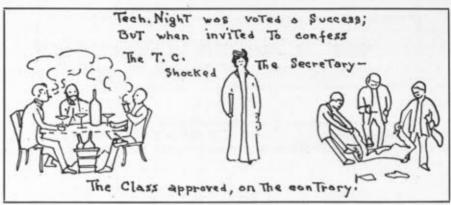


#### Overheard in Railroads

Junior: "What are the advantages of a narrow-gauge railroad such

as the Boston, Revere Beach and Lynn."

PA ALLEN: "Er — er. Telling the advantages of a narrow gauge road — er, er — is like the story of the snakes in Ireland; there are none. Er — er — but on this line where there are — er — tunnels to go through — er — and the traffic — er — is mostly passengers — er — the — er — most of them are bound to Wonderland and don't mind crowding — er — er — in fact they enjoy it — er — the narrow gauge is — er — is good enough."



That Wicked 1909 Theatre Committee

PROFESSOR PUFFER (explaining flow of the current in an induction motor): "When you are in a canoe and paddle as hard as you can, where does the water go?"

Voice from the back of the Room: "All over the girl."

Taken from the Columbia Headlight — Special Christmas Issue:

Our fellow townsman —. —. — dropped in on us day-beforeyesterday and left the following card and letter which show how well the Columbia boys hold their own in the outside world.



Boston, Mass., Dec. 20, 1905.

DEAR FATHER:

I enclose a pretty Christmas card which I received from my kind History teacher. I have done very well in this study as you can see and I suppose that you will send me the prize money as you agreed. I must stop now as it is getting late and I must study my history lesson for tomorrow.

Your loving son,

WILLIAM.

### GRINDS .









The Evolution of Professor Drisko to Santa Claus

Mr. Bardwell: "How do we know that a silver dollar is a metal?" Freshman: "Because it doesn't expand."

#### Sarcastic Francis

Black (registering in French I): "Shall I put down the hours I come to French?"

Mr. Dike: "No, just the hours on the tabular view."

Prof. Bates (to restless class): "Please be patient a moment, gentlemen. I have still a few more pearls to cast."



### Honest Freshman

PROF. BAILEY: "Did your Junior room-mate help you do this?"
FRESHIE: "No, sir."

PROF. BAILEY: "So you did it alone?"

Freshie: "No, sir; he did."



#### Of Course

Mr. Leland (in Naval Architecture): "The moment of inertia is something which has nothing to do with moments and no connection whatever with inertia."

Mr. P. Burns: "When was hydrogen first prepared?" Armes, '10: "About three lectures ago."

#### A Toast

Now Altogether: "1908: Here's tae us. Wha's like us? Dam few!"

Ferrandi has been trying to read German rapidly and has found great difficulty.

MR. LENZ: "Not so fast, Herr Ferrandi. Take it more easily. Do

not make such hard work of it."

Ferrandi (slowly reading): "Dam — it — "

Something has got to be done about our co-eds. In order to raise the standard of beauty among them, a subscription should be taken up to provide a scholarship for the Boston *Herald's* "most beautiful woman in New England."



When I am in a sleepless fit
I say, "HURRAH for English Lit!"
Math. makes me Tired, its so deep
But English Lit. puts me To sleep.



As Woodward, '07, enters Tech Lunch fresh from Chem. Lab. and benzol, Coed at bench, who has not seen Woodward, remarks: "Gracious, how the gas is leaking!"



#### The Awful Effect of Valve Gears

First Inmate of Insane Asylum (formerly '08): "Choo-choo! choo-choo! hi, you old Gooch! how's your head-end compression?"

SECOND INMATE (also '08): "Buzz-click! buzz! get

away, you crank, your exhaust is eccentric."

Mr. Leland: "When I speak of a wooden ship-yard, I don't necessarily mean a ship-yard built of wood."

HARRIMAN: "What do you mean by a wooden shipbuilder?"

Mr. Leland: "I don't mean a block-head!"

"Hello, do you remember me?"

The Grind Department suggests that a speaking-tube be put into the Institute connecting the Registrar with a dark closet in Rogers corridor, that students, while giving imaginative excuses, might blush unseen.



### Second Year Physics

"Of course if you increase the capacity of these cables, two cables can do the work of one. . . ."

"As these two cables came together, they go apart. . . ."

"This phenomena may be seen on any fine morning at sunset. . . ."

"Among other elements, I might mention argon, neon, crypton, xenon and so on. . . ."

"At one time, gentlemen, I happened to be in the presence of a lady who was about to propose—(Howls from the class)— as I said, I was in the presence of a lady who was proposing, when er— (and Professor Cross tumbled.) . . ."

"Now if you rub together this cat's skin and this iron rod, you will get just what you would expect to get from what I have said in my previous lectures, — nothing."

STUDENT (in French I.): "What does 'rang' mean?"

Mr. Dike: "That means row. We had it in our last examination. Fifteen cats sit in a row on the fence."

STUDENT: "I think it was five cats."

Mr. Dike: "Oh, well. That was three weeks ago."

# It's a Fine Thing to be Tactful

From "Technique," 1907. "What is your favorite professor?"

"Professor Wendell wins by a large majority, with Professor Merrill a close second."



Lest We Forget

Mr. Blachstein (in French): "Mr. Adams will blease translate zee French."

No answer.

BLACKY: "Well, when you get no answer, we all know what zat means."

Adams: "Yes, sir. No news is good news."



Mr. Blachstein (at indoor winter meet): "In ze summer time, I haf seen a man in swimming beyond his depth, now in ze winter time I see a man beyond his height."



H & T MAN: "Alcohol must have been created for some definite purpose and I propose to devote my life in an earnest endeavor to find out by repeated experiment just what this purpose was."

#### News Item

At a recent session of the Supreme Court, it was decided that A. D. Machlachlan's store was a most insidious example of the combination of producers and merchants to keep up prices, and that he should be prosecuted under the Sherman Law.



A Mug from Technology

Prof. Norton: "I have made it a rule, if a man answers to his name when he is not here, to mark him absent, whether he is here or not."

"I see a number of men, who have never been to class since I announced that no attendance would be taken."

Prof. Bartlett (in Differential Equations): "And so Mr. Wattles you get the rule: that when you think an equation is not exact—it is."

PROFESSOR ALLEN (in Railroads): "You know it is true; but it isn't, is it?"

## · GRINDS ·

So Beastly English

Mr. Lamberth (in forging): "This hammer-head should not be tempered until after the hole has been punched in it and then only at the ends."

Udale, '07: "But I say, Mr. Lambirth, don't you have to temper the hole?"

#### Boston Society Note

On Commonwealth these afternoons, Attired in Sunday togs, The nursemaids take the babies out, The mothers take the dogs.



La Mattchiche

# Massachusetts Institute of Technology. PETITION BLANK (State clearly what is desired and give reasons for it.) Boston, Oct 15 1906 Gentlemen ( god the you agam) 1 respectfully petition to the allowed to risign from the position of Assestant Bus mess the Leveto before Reason or explanation: D's and double Fo Instructors consulted: Robbie P. Bigelow, P. A. D. - Chief Librarian Barry Francisco (God bless him) Respectfully yours.



Major Wheeler: "Sentinels must avoid all unnecessary firing at each other."



VERY TIMID FRESHMAN: "I beg your pardon, but please, sir, are you the dean?"

Addressee: "Naw! I'm the janitor."

"Well, I've passed one condition exam."

"For goodness' sake, where?"

"Down at the Gym."

Hobe Ferris: "Yes, by Gee! when I played on the freshman football team, a sophomore hit my head so hard with his knee that a piece of cloth from his trousers stuck to my forehead."



#### YE GIVEN-PUTNAM DUET.

It does us good to Tote our guns

Each week from Two to Four;

We learn so many useful things

About the Art of War.

#### Advice to the Timid

Oh, never pause nor falter Upon the threshold-way, But walk right up to Walter With what you've got to say. Oh, never vainly stammer Excuses loud and long; With light and airy manner, Just make him think he's wrong. I never vainly stutter, Nor mumble, mouth nor mutter, But rather step up jauntily And ask him: "How's your wife?" I smile to soothe his terror: I point him out his error; And now my talks with Walter Are bright'ning up my life.

### In 6 Lowell

Prof. High Potential Smith: "As my time is not yet exhausted —" Voice in the Rear: "That's just where we differ from the time."

# THE HECK

Vol. XXIII. No. 13

BOSTON, MASS., THURSDAY, APRIL 25, 1907

Price Three Trading Stamps

#### 6 H PENCIL FOUND

#### Important Discovery Discovered in Rogers Corridor

Only this morning something thing happened which may revolutionize the scientific schools of America. As the Literary Staff of the HECK walked leisurely through the busy throng passing and repassing over the tiles of Rogers corridor, his eye lit upon a streak of yellow on the floor a few streak distance. floor, a few steps distant, "Hist!" he said through his teeth,—"hist!" he repeated, "'Tis something, nothing, 'twas his, 'tis mine and may yet fall into the hands of A. D. Mach-lachlan unless I pinch it quick." So he made a sudden sally, and picked up the tiny golden rod of wood. He glanced up and unluckily there was Dean Burton watching him. "Did and unluckily there was Dean Burton watching him. "Did you lose a pencil, Professor Burton?" asked the Staff with his habitually polite smile. "No, mi boy," murmured the Dean in a fatherly manner, "but I know what you can do. Take it to Bursar Rand." Bursar Rand said that he did not own the nencil. He

did not own the pencil. He advised the Literary Staff to write to the Scientific Amer-

Immediately on finding that the Bursar did not own the pencil, the Staff rushed to President Pritchett's office, Here, in a way, matters were a bit simplified. The Presi-dent did not own the pencil and did not know to whom it might belong, "Still," he said, might belong. "Still," he said, "I have an idea how it may have come upon the floor of Rogers corridor; in fact, I feel sure that it was lost by some one who has some connection with the Institute." This sugestion was of great aid to the gestion was of great and to the HECK, for it greatly decreased the field of search; now, in-stead of going down to see the mayor and board of aldermen, it only remained for the Staff to interview each member of the Faculty.

On his way to Professor Swain's office, our Literary Department stopped in at A. D. Machlachlan's. "Did anybody here lose a pencil?" he mentioned casually. Nobody answered; indeed the only sound that met his ear was the shrill grating squeak which money makes when it is shrill grating squeak which money makes when it is squeezed. A trifle disconcerted, he started to repeat his question, "I found a 6 H peneil in Rogers corridor—" A scuffing sound startled him A scuming sound startied him and, "That pencil is mine!" cried Machlachlan, springing from behind a pile of lettering plates, "that pencil is mine!" I know it by a tooth mark on the outer edge and my initials 6 H on it! "The Literary Staff dropped the pencil and only escaped with his life.

#### PATENT LEATHER SHOES

# by Seniors

Is the Class of 1907 to wear Is the Class of 1907 to wear Cone, its care and its remedy, patent leather shoes at gradu-given in Huntington Hall, ation? Is the Massachusetts Tuesday, Dr. White said that Institute of Technology to tonsilitis was caused by a refoliow the recognized custom action between the tonsils and among all leading theological Boston climate. He also said seminaries of the country to that coupling could be cured, day or is she to refuse? Is the man who refuses to wear overalls when sweeping the snow off his front walk to be re-spected for his independence or is his narrowness to be de-

There has been a growing rainy days and espedesire for patent leather shoes the drawing-rooms. during the last ten years, so is it not reasonable to assume that this feeling will continue to grow? We must have patent leather shoes. Do we wish to admit that the education which Technology gives is not as broad and as liberal as that which may be obtained at other colleges We give a sample of public opinion as interpreted by the Boston Herald.

MAJOR WHEELER WILCOX ON FACULTY DRILL

"PATENT LEATHER SHOES AT TECH

"Will Tech seniors wear patent leather shoes? We do not know why they should not put on this last outward

not put on this last outward sign of academic recognition.
"The education for which Dr. Eliot pleaded in the Atlantic Monthly in 1868 was the education which is not necesarily presided over by a clergyman, and it is for this reason that we believe Technology should be allowed patterns of the property of the state of ent leather shoes by all means. Let the world know that it is as dignified to build a bridge as to dig up a Greek city, and not so muddy."

We believe that three strong arguments in favor of patent leather shoes are:

#### First. Uniformity of Shoes. Second. Democracy. Third. Economy.

First, - Uniformity of shoes not only adds a dignity to the occasion, but also advertises the fact that you are a gradu-

Second. - Since we feel that democracy is indeed a doctrine at the Institute, we attain it by providing plain, simple and democratic footwear,

Third, - There is no question but what patent leather shoes which can be bought for from two to four dollars, or rented for fifty cents, are much cheaper than any other outfit suitable for the occasion.

We, therefore, in the clear light of the foregoing state-ment, invite your careful con-sideration of this matter.

CLASS OF 1907.

#### **BIG TONSILS**

# Following Brief Submitted to Faculty Dr. White says that they are an un-mistakable Symptom of Tonsilitis

In his wonderful lecture on The his wonderful secture on Colic, its care and its remedy, given in Huntington Hall, Tuesday, Dr. White said that tonsilitis was caused by a reaction between the tonsils and Boston climate. He also said that coughing could be cured, and interesting method by which colds might be con-quered immediately. He next touched on the question of wearing rubbers. He said that rubbers should be worn on all rainy days and especially in point (to tell the truth) the HECK reporter fell asleep, but he awoke in time to learn that he ought to brush his hair and that sleeplessness and in-somnia were terribly synonywe that mous diseases among the laboring classes.

Yesterday afternoon the HECK Military Editor met Ma-jor Wheeler Wilcox over in the Armory after drill and asked him how he was getting on.
"Very good, sir, very good,"
said the Major. "There's only one little thing that troubles me nowadays and that's the lamentable ignorance on military matters shown by my brother professors in Faculty meetings. Now I know what the HECK's influence is, and the HECK'S influence is, and I want your help in pushing through a little scheme. I want to establish a Faculty Military Corps. This corps and the Student Battalion could have sham battles and skirmishes up and down Boyl-ston Street, which would, beston Street, which would, be-sides adding greatly to the student interest in drill, help the Faculty's military knowl-edge and bring the instructing staff into closer contact with the student body."

the student body."
In this connection, Major Wheeler Wilcox added that he thought military discipline should prevail throughout the Institute. He said that attendance would improve wonderfully if absences were met deriniy if absences were met by courtmartial and the guard-house. "Personally," said the Major, twirling his moustaches ferociously, —"personally, I favor shooting offenders, but the others, you know, are civil-ians and wouldn't counte-nance such punishment. No nance such punishments such weakness for me, how-ever"; and he snatched out his saber and whisked it about his head. "Cut 'em off every time if I were boss! Off with his head. "Cut 'em time if I were boss' their heads! Wh their heads! Why, don't on the question: "Resolved, hurry away. I didn't mean that janitors should part their any offense. I hope you'll hair in the middle rather than help me with my scheme." on the side."

#### CALENDAR

THURSDAY, APRIL 25. 1.00 p.m. All Fortunate Students start for

God's Country.

1.30 p.m. Heck Staff meet
to consider advisability of changing date

of Junior Prom.
8.30 p.m. Putnam and
Webb address meeting of Cupid Society at the Somerset.

FRIDAY, APRIL 26, 3.00 a.m. Porters sweep last broken hearts out on to Commonwealth

Avenue. 4.00 A.M. Prom Committee sink into deep un-troubled sleep.

2,30 P.M. P.M. Rapelye leads First Frock Coat and Cane Brigade down Commonwealth Avenue. 5.00 P.M. Macomber im-

patiently waiting to deliver modest speech before footlights.

#### NOTICES

Y. M. C. A.—The salutatory committee of the association desires to meet all young men with earnest convictions. committee may be found at the Technology Chapel any week-day evening before eleven o'clock.

Advice. - Anyone desiring advice upon any subject whatsoever or wishing to acquire an easy flow of wit consult Bul-lard and Caldwell, Information Bureau.

#### SEASIC CLUB DEBATES

At a meeting of the Seasic Club, Monday evening, a very enjoyable evening was had by all. Debating was the oc-

cupation of the evening.

The debate was opened by a short speech from the chair on the affirmative of the question: "Resolved, that the Faculty are more to be pitied than scorned." The question was then formally opened by the speaker on the affirmative. He brought up the points that the orought up the points that the professors have got to live somehow; the world owes them a living, and if they didn't faculty somehody else would. He sat down 'midst burst of applause.

The speaker for the negative next rose and to the surprise of everyone took the same side as the previous speaker. He apologized for his unconventional action and said he was trying action and said he was trying for a degree. He pointed out that many of the Faculty had wives and children and should be treated with respect. Next Monday there will be a debate on the question: "Resolved,

# THE HECK

Published about three times a week or whenever tne editors are seized by a burning thought. A periodical pregnant with

Entered as a low form of hydrophobia April 25, 1907, at the post office at Boston, Mass. under the Act of Congress of March 3, 1879.

Contributions are requested to Contributions are requested to have themselves written by any-one at all. The main requisite is that they be bulky. We don't care whether communications are foolish or not; if they are signed, we print them; unsigned, we do not

Subscription, Subject to dis-count by bulletin. Single copies may be found on the floor everywhere.

In charge of this issue: ALFRED THE BITTER.

#### Thursday, April 25, 1907

The HECK, beginning with the next issue, will be printed in blue ink as befitting a paper with a purpose and

periodic proneness toward pessimism. Now and then, however, some fiery New Color Scheme. utterance will burst forth in red head-

lines. The HECK is ever truly American.

We feel extremely gratified at the way the Faculty have followed our advice in the mat-

ter of graduation. Three weeks ago, we wrote an edito-The Heck rial on this subject. and the Faculty urging that the Graduation Exercises be held some time in the first part of June.

Sure enough, at a recent meet-ing, the Faculty followed our lead exactly and the Graduating Exercises are going to be held in the first part of June.

It is indeed an outrage fraught with consequences well beyond human ken that our beloved old Rogers

steps, where Wes undergradubusy An Outrage ates have passed so many happy hours together, soothed by the steady hum of

student activities, should be the scene of an outrage; that those dear old blocks of stone where our fathers reclined, where we sit, and where our sons shall rest themselves from toil long after we poor toilers have shuffled off this mortal coil and faded into

her the time-honored motto—
"Anything to fill up Space."
So we say again YESS, and we could say it again just as many times as we want to, for upon

this page we are indeed supreme and when we feel out-raged look out for us, or as Professor Pearson replied to the lady on the crowded street car who said, "Oh, Mis-ter Pear-son, don't get up to give me your seat. I'll sit right down your seat. I'll sit right down in your lap. I do so love to be literary! Yes, we could say just what he did, but words are beyond our sphere. What are words? Bahl What is the HECK? Ah! The HECK never for an instant forgets its dignity. The HECK demands that the student body starm. the student body stamp out this outrage.

The HECK has noticed a pitiable lack of contumacy among the erstwhile passive Faculty of this our dear Institute. It

Another Reform

on the

Faculty

is but one indica-tion of the growing sentiment of mankind in every walk of life among the

assembled multitudes which are consigned to mortal earth. It is a feature of the day which renders the best results unobtainable and should be treated with as such. should be treated with as such. The story of this gradual in-cease is the story of any accu-mulative increment; and is a question which may well per-plex us, the exponents of our native land. So we arrive at the point where, bearing these considerations in mind, our conclusions are unutterable.

Another thing which dis-tresses us greatly (it kept us awake all last night) is that Destructive every now and Criticism then somebody criticises us. We

cannot understand it. And after all that we have done for the Institute too. It must be that some people are jealous.

#### COMMUNICATIONS

In order that they may print any sort of unbalanced com-munication freely and without fear, the editors do not hold themselves responsible expressed by correspondents.

To the Editor of the Heck:

The Technology Checker Club wishes to appeal to the better feelings of the entire Institute, through the columns of the HECK, and show up fearlessly the injustice of the Ad-visory Council. The members of the Checker Club Team have not yet been awarded their Ts. They want the student body to realize that in their recent con-test with the Wellesley Fudge Club they not only annhilated the members of the Fudge Club mortal coil and faded into oblivion.

YES! that is what we, the editorial board and the two the members of the Fudge Club in an exhilarating contest, the position of editor-in-chief, think and we none of us know just what Technology would do without us to spread before the time boxes of rections. MASSACHUSETTS INSTITUTE OF TECHNOLOGY CHECKER CLUB.

S. WOODHALL, Pres. SHERWOOD HALL,

Sec. and Treas.

# "TECH BATHING HEADQUARTERS"

Between the Westminster and Eng. A

Best Mud Baths . - Engineering Alley

Two minutes' walk from all Tech Buildings. Unexcelled facilities for faculty and most fastidious bather to enjoy this fascinating and healthful pastime. The mud has wonderful medicinal and life-giving properties. Drop in and enjoy a little fun and exercise between periods.

#### TRYTOBY SQUARE HOTEL

Huntington Ave., Massachusetts Ave. and Boylston Street

#### Patronage of "Tech" students solicited in our Cafe and Bar Room

The attention of Secretaries and Banquet Committees of Dining Clubs, Societies and the W.C.T.U. is called to the fact that the Trytoby Square Hotel has exceptionally good facilities for serving Cocktails, Champagne and Cordials and will cater especially to this trade. MUCH NEW RUM JUST ORDERED.

WEBSTER WELLS, Proprietor

#### BARGAINS IN TYPEWRITERS BIG AND LITTLE

Best tailored typewriters, blond, brunette or black and tan. Temper guaranteed. Grass widows at reduced rates. Photos sent on request,

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All Goods Required by Students at -

# MUTSKINNEM'

23 SKIDOO STREET

Grafting Instruments and neversquares. Text-books printed while you wait.

"The Girls are Fond of These"

He-ri tas

Real Rahrahs

Tastefully Dec-orated, Beautiful Manners, Up-holster a Chair Splendidly.

Harvard University, CAMBRIDGE, MASS

# HIGHRATE TICKETS ALL SLOPLEY SQUARE

THREE TELEPHONES

Run up a Bill - It's a cinch.

# A. LEMON

"New Co-Op. Barber"

Maclachlan's Annex Boylston St.

Special Cut Prices to Students Ear Cut 20% Rebate Plain Cut 10%

BECAUSE of a searcity of news and reform movements, last issue we used up all of our exchanges, but one, so we cannot sketch athletics at Bryn Mawr, nor give a list of breaking strengths of lump-sugar at different tempera-

tures, but we must devote our-selves to our remaining exchange, The Ladies' Home Journal,

serves to our remaining exchange, The Loares Home Journal, and from it give a few valuable recipes.

Aunt Kittle's Suet Pudding. One cup molasses, one cup raisins, one cup milk, two teaspoonfuls baking powder; add flour till very stiff to beat with a spoon; put in a steaming-pan or floured bag and steam constantly for three hours. It is nice and handy for farmers' wives.

That "Collegy Touch-

> You know there's something valuable in the ability to irresistibly attract the lucre from a crowd. This "Collegy" touch is only a characteristic of first string touchers. It is a talent which may be cultivated and will be demonstrated in the library and drawing rooms of the Institute - any time you have any ready cash - by the well known firm of

# ADAM SGIVEN &CO.

Boston

### · GRINDS ·



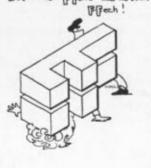
'Twas the voice of a Senior;
I heard him complain,
"My head is too big for my neck;
If it swells any more
I shall have to remain
As a drawing assistant at Tech!"

A Junior who met Polly Con
His jollying manner put on —
"Howd-y-doo, pretty Polly."
Said she, "Cut cher jolly;
It was me flunked yer father — Go wan!"





A Freshman who wandered to Tech-Got Sting in the Drawing called Mach. For he said I expech. To get c's by the pech. But - his - Fifters - had no such



During a Pol. Econ. Lecture, Orr, '08, wanders into the library and sees McGuigan, '08, at table absorbed in the *London Illustrated* News.

ORR: "Hullo, Mac, what are you doing here?"

MAC: "Oh, I cut this period so I could study.

### Why Fuller Blushed

Spure, '08 (describing the principle of a cantilever): "Well, there's a couple in the wall there and er—er—you see there's something going on in there that we don't know anything about."

Dr. Roever: "This equation represents a family of circles." (Draws a series of circles on the board.)

Thompson: "Behold the first generation."

"You are old, Charlie Adams,"

The freshmen said,
"And so you can do whom you do;
But wait until us

Have grown up and are men And then we'll get even with you!"



Professor Norton (in Third Year Physics): "This experiment was performed down below, in the Heat Laboratory."

### Caught on the Hip

Dr. Wendell (in Physics recitation on Sound): "How about the range of your hearing, Mr. Heath?"

A. Heath, '08: "It has no limits."

Dr. Wendell: "Do you not remember the experiment where I sounded a tuning fork so small that no one could hear it?"

Heath: "Yes, of course I remember, but I could hear it all the time." Dr. Wendell: "You could? Well that is interesting indeed, because it illustrates a theory of Professor Cross's. He has tried the effect, on animals, of notes with varying pitch, and he has found that the higher the note which a dog could hear, the smaller was the dog!"

#### Double Entendre

Mr. Bradley (in Chipping and Filing): "You do this just the same as you did when you had the fit before."

#### Syllabi

Davis Dewey doth remind us We, to make him feel sublime, Must, on parting, leave behind us Fifteen pennies and a dime.



### · GRINDS ·



Did you ever think how sad 'twould be If Tech moved out of town? On Boylston Street you'd never see The Queens blow up and down.

MuÑoz, in answering the Class Statistics, wrote for height: "5 feet 4 inches. So was Napoleon!"



M. E. Denny, '08 (in Physics recitation): "Now really, do you mean to say that if you rolled a hoop along a stone walk, it would raise a hump in front of it?"

# Simplified Spelling

Taken from examination papers on Surveying, Jan 12, 1907: Teliscopes, vertical plain, vertical plan, axises, boundry, substracting, bellow the line, truley vertical, madidian, of sets, Greenwitch, verticle, ballance, meridan, declanation, serveying, the some of the areas, calcute.

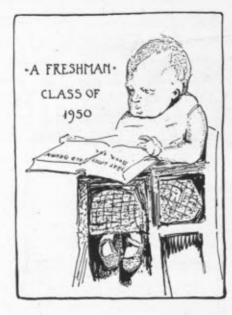
# Notes on Optics-Page 15

"The blue of the sky is due to small particles of atmospheric dust, probably water."



# A Quaint Conceit

How doth the busy Faculty Employ their hours of ease? They hover over our reports, Replacing F's by C's.



### Jimmy Always Did Act Bad When There Was Company

Professor Dewey (introducing Professor McCarty of Wisconsin University): "Occasionally, in this busy world, we hear of a man doing something new and —" Rattlety, bang! The bolted door quivered and shook as some wrathful Junior took vengeance for being locked out — "and," gasped Professor Dewey, "we are to hear from two such men today!"

### He Catches 'Em Everytime

Mr. Dike (watching the motionless lips of W. T. Pierce, '08, in French concert recitation): "Mr. Pierce, do you have trouble in hearing?"

PIERCE: "No, sir."
MR. DIKE: "I do!"

Since the worry and feverish effort, unavoidable in the final struggle for a degree, have a decidedly injurious effect on a man's physical and mental state, — the Technique Board earnestly recommends that the Faculty do away with the last year.

#### Needs a Duma

FRESHMAN (closeted with the God of Battle): "Please, Major Wheeler, may I be excused from drill next Wednesday afternoon, I am going to have some friends arrive in town then. They are strangers in Boston and I feel that I ought to meet them at the train."

Major Wheeler: "Yes! Yes! I suppose that you will have to meet your friends. But what do you mean by having your friends arrive at this time, without first consulting me!"

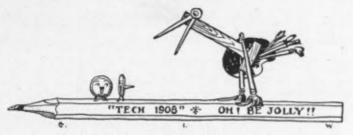


FIRST STUDENT: "How did you get that mud all over yourself?" SECOND STUDENT: "I'm an idiot, I went and stepped into Boylston Street!"

#### He Died Noble

From a notebook in Second-Year English Literature: "Sir Philip Sidney was killed in the defence of poesy."

# GRINDS



The Artistic Temperament at Tech. Course IV

To the Faculty

Oh, cut out the General Studies! Who cares about Cæsar or Celts? Oh, cut out the English and Hist'ry, But don't put in anything else!

SECRETARY'S OFFICE.

MASSACHUSETTS
INSTITUTE OF TECHNOLOGY.

Boston, April 1, 1907

Editors of 1908 Technique

Dear Sirs: - Please deny in your august publication the very false rumor that my middle name is " Prunes ".

Hoping that you will print the denial

I am

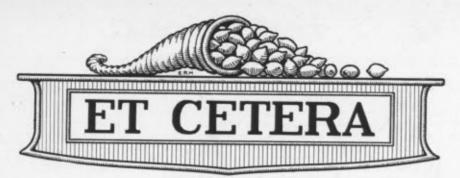
D. P. Barlled

# EXIT

HE DIED GAME BOYS HE DIED GAME """



GRINDS



# What's the Use





HAT'S the use of doin' Physics when it keeps you up all night,
What's the use of workin' all the time and spoilin' of your sight,
What's the use of lookin' gloomy when you could be lookin' bright?
Oh, the deuce, what's the use!

What's the use of comin' home at night and crawlin' into bed,
Then gettin' up and stuffin' facts inside your achin' head?
What's the use of gettin' crazy, 'cause I'd rather lots be dead?
What's the use!

Now what's the use of bein' good? — it's simpler to be bad; And what's the use of gettin' C's? — high marks is just a fad. What's the use of seein' Humphreys? — you'll only get him mad; You've no excuse — so what's the use!

What's the use of buyin' all yer stuff at one tight-fisted shop,
To help a blame society that should but don't co-op?
Such ruinous philanthropee, like Mac's, had ought to stop;
In self abuse, there ain't much use.

What's the use of gettin' feeble minded diggin' in a rut,
To get more formulas and facts than happy folks has got?
What's the use of freshmen drillin'? — it's pleasanter to cut.
Oh, the deuce, what's the use!

What's the use of wastin' bright young lives in drudgin' at the 'Stute?

You could be workin' peacefuler and drawin' pay to boot.

What's the use of sayin' argyments, which no one can ree-fute?

Please let me loose — there ain't no use!



# Tales for Tech Men

In the Real Live Americanese

V

# The Tale of the Professor Who Went Out to Teach the Low Brows; and Why He Got it Good

NCE Upon a Time there was a Broad Boy by the name of Edward F. who was Professor of Superheated and Saturated Steam at the Institute. In his Early Childhood he had been cradled in a Teakettle and fed Cylinder Oil from a Bottle, so his taste for his Subject was acquired Young. At the age of two he began to read the Steam Tables, while at the First Short-Pant Period he could give a full discussion of an Indicator Diagram.

His Parents allowed the Boy to follow his natural Bent, and sent him to Tech, whereupon, after his Graduation, he immediately became an Assistant.

After a Few Years on the Job it was simply Pie for him to tell you what the value of Total Heat at two Degrees below was, and he could draw out a Rankine's cycle with his Eyes Shut.

He scared all of the Red Corpuscles out of the Students in his classes when he ascended the Rostrum and began to deliver himself of his Heavy Burden of Knowledge.

They were soft for him, so he got it Mapped out for Himself that he was a Superior Being.

He knew that when he switched the Current onto Himself he Used up about 6,000 Ohms an hour, and the whole Neighborhood had to put on Green Goggles.

He had read everything that had been printed in the Journals of the Am. Soc. M. E. on the subject of Gases, and he believed that he could get away with any Topic in that Line that was batted up to him and then

slam it over to Second in time to Head off the Runner.

His clothes were full of Pin-Holes where he had been hanging Medals on Himself, and the whole Left Side of his Vest sagged Down with Society Pins.

Every Morning he would go out into his private Handball Court

and throw up Bouquets, letting them bounce back and hit Him.

After he became a Full Professor, he thought that he had all the Authorities on the subject Seventeen up and One to Play, so far as Real Knowledge went; and when it came to Gray Matter — the Cerebrum, the Cerebellum and the Medulla Oblongata — Count Rumford was Back of the Flag and Pulled up Lame.

Annyhow, he became Restless around the Institute with nothing to do except the Students, so he made up his mind to teach the Low Brows of the Engine and Fire Rooms. He decided to allow the Glory of his Presence to burst upon the Poor and Uncultured Engineers who

worked for twenty per and never heard of a Carnot's engine.

It would be a Big Help to these Horny Handed Sons of Toil to see what a Real Razmataz Professor was like.

He didn't propose to put on Old Overalls and go down into the Pit to Dirty his Hands. Not on Your Previous Existence! He was going to "uplift" and preserve his Natural Dignity at the Same Time.

After Brushing up his Knowledge of the Steam Engine and going over the Tables two or three times, "Now," he would say, "now, to carry

Science into the Lowly Places."

As soon as he struck a plant where there was a fifty horse-power engine, and began stalking his prey, the Canuck Fireman would dig a Hole in the Ash Pile and Bury himself. The Engineer would get so Neryous that he would put Cylinder Oil on the Slides and Machine Oil in the Condenser. They knew how to stand off the State Inspector and the Insurance Expert, but when 190 pounds of Learning came wafting in among the whirling Machinery, they felt they were up against a New Game.

The Benevolent Professor would ask the trembling Engineer what the Quality of Steam was at Cutoff, and if he had used Peabo's Throttling Calorimeter, and what the B.T.U. Efficiency per Kilowatt per Second was, and Few other Plain Ordinary Questions, that a man who had never had better than a Primary Education could answer. He then would descend into the Coal Hole.

There the Wise One would Interrogate the Coal Passer as to the Analysis of Flue Gas, whether the Chimney had been built according to Peclet's Theory or from Kent's Handbook, and why an Economizer was not used. The Individual who did the Firing Act and only knew about eight words of the English Language would give our Edward F. a Surly look and withdraw to the Outdoors.

And so he never fails to bring Out his Hammer when mentioning Engine Room Mechanics, and in his great Zeal to sing his little Anvil Song he forgets to Jump on the Overburdened Students.

Moral: When Learned, show your Knowledge only to those who

pay to see.

### The Tale of the Student from Mizzoura who had to be Shown

REVIOUSLY, some years ago, there was a Bright Student at the University of Mizzoura. He had passed through Science Course and had simply Ate Up the Subjects. This Brilliant Fellow had one failing, he believed everything he Read, even in the Sunday Papers. It was not his Fault, he had been Kicked in the Head when Young.

Fate would have Its way, and our Western Friend ran Afoul of a Tech Catalogue. He read Therein the Courses laid Down, that a man could come with Advance Work off, and he Figured that he could Secure his S.B. from the Institute in Two Years. He read under Expenses that the Tuition was only 250 of the Negotiatable, which made the Boy's

Male Parent Balk in the Harness, but he figured to Win this all Back in Scholarships. For Books and other Necessary Utensils, only a twentyfive Simoleons were needed per Annum. Indeed, Little did he Know.

When the Leaves Began to Fall our Hero traveled Eastward, and landed at the Fount of All Science. He began to Arbitrate with the Professors and soon found that his Honor Marks stood for Little in their Eyes. However, he Flimmed some and Flammed others, until all but One signed up.

This One was a one Adams. This Individual said that no Student, however well Prepared, could get by without taking his Course in Freehand. The Plot of the Piece soon discovered why, as he Unbelted Two Round Iron Dollars at Mac's, for a Portfolio full of Plates copied from Other

Books.

After acquiring several Gray Hairs, he became Registered, and found Himself taking 1st. 2d, and 3d year Subjects. Noticing the Figures 15-30 after a Subject on one of the Many Cards, he asked a Fellow Student what it might all mean. The Reply was that 15 stood for the Number of Hours in classroom per term, while 30 meant the Number of Hours of Preparation for the Student per Week.

He interviewed a Professor and found that the Student was telling a Falsehood, only two hours per Week were Necessary. He believed the Student after he had Written out a Couple of Phys. Lab. reports scheduled for Four Hours but taking about sixteen, while he Knew the figuring of his Compatriot was correct after He had worked up an Engine Test.

Dewey had said, "Nix, Nix," to our friend's Scholarship Plea, so the Wires were kept Hot wiring for More Gelt. After our Hero began to buy Books, the Male Parent thought that his Offspring was trying to buy

up the Hub.

Things went on, the Mizzourian acquiring the Green Bag Stoop, and mixing his Lunch up with Laplace's Theorem in the Noon Hour, until the Midyears came Along. After the Sad and Mournful Season was Over, our Friend found himself, Like all the rest of the Pipes, right Down under the Sink.

In a few Days a familiar Name was on the Rolls at Tufts, from which Institution the Man who had to be Shown, in due Time, was Graduated,

with Honors, and several Cum Laudes on his Sheepskin.

# Tale of the Mathematician that Became a Tout, and How it Happened

NCE there was a Wise one at the Institute strong on Mathesis by the name of Harry W. This Gent at all times wore a large Bunch of Chinchillas and a Haughty Air of Reticence on his Visage. Every time he was asked a Civil Question by an Humble underclassman, there would be a Slight movement among the Human Ivy, and Seven Syllable Words would be Emitted. For was not our Friend on Intimate Relations with the Science of Spatial and Quantitative Relations, considering Magnitude and Quantity Abstractly, and was it his Place to Bend to the Ordinary Student?

In Previous Days this Prestidigitator of Pure Numbers had been the Main Squeeze about the Works, but when Pritchett showed up on the Premises, our Hero was backed into a Siding. It seemed that Harry could not Appreciate the Sportiveness of the German Student Customs. This Retirement to the Infirmary weighed Heavily on Harry's mind, and be began to have Systematized Delusions. That is, he began to Dip into the Frivolous things of This Wicked World, and enjoy the Sinful Lusts of the Flesh.

No. this does not Mean that our Honored Scientist began to get Saturated, but he simply started in to be a Sport. His first appearance at a Track Meet caused Many to Gasp. He had to begin easily as he had a Lot to Learn. It was not Long before Harry changed his Name to Harrie von Tilre, and began to wear Red and Blue Spotted Vests. He used to stay at Home evenings early in his Wild Career to Evolve Color Schemes. Pretty soon he Appeared in a Paddock Coat with a French Mansard cap in two colors, and a Field Glass on his hip. In fact he had taken up the Ponies.

During the Circuit Season our Harrie could be seen in Front of the Bookies playing the Game for all it was Worth. While fingering a Horseshoe watch charm that nearly pulled the Buttonholes out of his Vest, he would figure by the Law of Chance the Bronco to Place on, and a Few Minutes

later another Booky went into Bankruptcy.

After he had been on the Turf for some time his language was so Horsy that you could hear the Harness Jingle. He would talk learnedly with any of the stable men about blowing Up the Stretch, and Blisters on the Off Forearm, and tell about Nancy Hanks sired by Homer Albers, who could outtrot anything of her Age that ever had Champed a Bit.

Thus it went On until Harrie became a Thorough Sport. It was a treat to see him Arrayed in a Pearl Outing Suit, with Pink Spats, mauve Hose, Russet Pumps, a New York Central Vest with Green Stripes and White background, a Poiple Shoit, and a Chain Lightning Neck Piece. In Summer he would show up with a Muji Indian Blanket tied around his Real Panama, and his Openwork Shirt Waists were Confections.

After he had made more money than Pittsburg Phil, he quit the Horseflesh, but still liked to Reminisce. Any evening you can Find him in an Aisle seat, Row A, Parquet, throwing Pennies into the Trombone at Some of our Leading Playhouses, where are Billed such Classics as "Little India," or Burlesques such as "Hooray-Hooray."

Moral: Even if a Scientist, be Frivolous when Young.

# Tale of the Freshman Who Hurt His Head While Thinking

PASoul. He had been at the Institute for Wondered if he had A Soul. He had been at the Institute for Two Months and had almost Forgotten his Real Name.

As he sat and Meditated, Doc Moore and Dana P. passed him. They were discussing the Solid Spherical Harmonic of the n-th Degree, and the

# · TECHNIQUE ·

Frenzy was upon them. They were following out their Reasoning with the intent swiftness of trained Bird Dogs, and each talked Feverishly of Surface Zonals and Laplace's Coefficients, each telling his own conclusions to the Ambient Air, and Ignoring what the other Fellow had to say.

Along came Harry Goodwin who was telling one of his Assistants how to Figure the Osmotic Pressure inside of a Plus Ion. Then Clifford and Lawrence appeared debating the Armature Characteristic of an

Over-Compounded Bi-Polar Alternator.

The Freshman reflected how much Inferior his Father was to these Wonders of the Scientific World. His old Gent Lived in Pittsburg, the City of Promise, and he had started his Career in the Rolling Mill. After a Few years of Application, he Owned so many Shares in the Steel Trust that he Hired an Expert Accountant to keep track. He was Director of Seventeen Iron Mills, and Owned half of Upper Michigan. The old Gent had a head like a Rocky Ford Cantaloupe, and the Facial Angle of an Ourang-Outang, and always appeared in Mardi Gras clothes.

Although this aforesaid Captain of Industry had enough Sense to pile up Coin until he was cartooned in the New York Choinal, he did not know a Moment of Inertia from a Moment of Bliss. He could by skipping the Long Words read how Rupert led Sibyl into the Conservatory and made Love that scorched the Begonias, but when he tried to Excavate knowledge

from a scientific Book on Metallurgy it made his head Whirl.

In other words the Freshman could not see why his Male Parent, who was so short on Intellect but Long on Coin, could have at all Times enough Money to throw at the Birds, while Really Great Men who knew about everything seldom had one Dollar to rub against another. The more he Thought, the more his Head Hurt.

Moral: Don't try to account for anything.

# Tale of the Physicist Who Flew His Kite, but not Because He Wished to do so. Or What may have to happen

CERTAIN Physicist named George V. Became wise to the Fact that he was making too Strong a Hit with the Common Student. Moreover, the Grinds down in the Front Row did not seek him out after the Lecture and ask him Questions, and tell him he was a Pansy. He suspected that This Class of Stude and the Rest of The Faculty were Rapping him on the Quiet.

The Physicist Knew that there must be something wrong with his Talk. He had been Expounding in a clear and straightforward Manner, omitting Quotations from the French and German Journals, setting up for his Points in Mechanics such Ordinary Incidents as come up in Daily Life, putting the stubby Old English words ahead of the Latin and rather flying low along the Intellectual Plane of the Sophomoric Mind.

The Common Student who did not care to Overburden his Mind with thinking delighted in this style of Lecturing, so Georgy's Sections were

## . ET CETERA .

crowded. They could understand everything he said, but the Grinds and the Ph.D.s, in the Physics department, began to think George was Common.

As our Hero wished to Become a Famous Scientist, he studied the Situation and decided if he wanted to Win and Make everybody believe he was a Nobby and Boss Professor, he would have to hand out a little

Guff. He fixed it up Good and Plenty.

At the following Lecture he came up through the Circular Staircase instead of through the Door with the Ordinary People. His Hair was considerably Ruffled, and he appeared Quite Seedy, a Big Change from his Usual Dapper Condition. He did not seem to Notice that there was anyone in the Room besides Himself, and Began without Referring to the Previous Lecture. He Plunged deeply into the Theories of Poynting, and gave Long Mathematical discussions of Verdet's Constant for D-Light and Zeeman's effect.

The Grinds in the Front Row sent gleaming Glances through their Concavo-Convexo eyeglasses, and began to take Profuse Notes. Some of them leaned forward so as not to miss Anything. One of the Assistants nodded his Head Solemnly. He seemed perfectly Familiar with the Work in Hand. The Sports up in the Back glanced at Each other and said,

"This is certainly Hot Stuff, FF for Ours."

Continuing George wiped his Brow and said he had no Doubt that everyone within the Sound of his Voice remembered that knowing the wave Length, then, if the Periodic Time is calculated from Lord Kelvin's Formula, the Velocity of Electro-Magnetic waves in Air can be Calculated. He then wore out Six Pieces of Chalk in Proving what he said, covering the Blackboard up with X and Y signs, mixed with Greek symbols. George did not know what it all meant, but you can rest assured that the Grinds were on in a Minute.

The brainy Ones bit their Lower Lips and Hungered for more First-Class Language. They had paid their Tuition for Tall talk and were ready to Solve any and all Styles of Delivery. They held on to the Seats and Seemed to be having a Nice Time. There was many a Pale Face

among those who were on the Fence.

He had them Going and there wasn't a Thing to it. When he got tired of Mathematical Demonstration, he would quote from the celebrated Big Bugs in Physics, such as Heffter or Kowalevsky. Compared with their stuff, the most clouded and obscure Passage in Watson's was like a Plate Glass Front in a Candy Store after the Colored Boy gets through with the Chamois.

Toward the end he became Eloquent over the beauties of Liebniz's Proofs, and began to get rid of long Boston Words that hadn't been used before that Season. He grabbed a rhetorical Roman Candle in each

Hand and you couldn't see him for the Sparks.

When he quit at the end of the Hour, he could tell by the Scared Look of the Studes as they filed out that he had made a Ten Strike. And did they ask him Questions? All the Sophs of the Yellow Hammer Variety fell over the Desk, Knocked down apparatus, and Crowded up

Close. He answered them in a Surly Manner, peculiar to Men of deep

Learning who are accustomed to deal with Web Foots.

His wonderful Lecture was noised about and George Found himself becoming Quite Famous. He was made a Double Barreled Prof., and was given an Office all of his own. The only thing that worried the Corporation was the Fear that if it wished to retain such a Whale it might have to Boost his Salary.

Perceiving that the Faculty would stand for anything, and it called for no Pity for the Long Suffering Soph, George Knew what to do after

that.

Moral: When a Ph.D., live up to the Title.

# Tale of the Registrar Whose Early Training Amounted to Little

NCE there was a Boy named Walter who had an Ambition for Power, and a Real Love for Statistics. His Parents had brought him up on a Plan of their Own. They would not Permit him to play with other Boys for Fear that he would Soil himself, and Learn to be Rude and Boisterous.

So they kept him in the house, and read to him about Little Arlo, who had a Literary Temperament, and grew up to be an English Prof.

Little Walter was kept away from the Public Schools, and had to play Games in the Garret. He learned Tatting and the Herringbone Stitch, and could play Chopsticks on the Piano. When he was ten years of age his Favorite Books were the Reports of the U.S. Census Bureau and such Tabulated Knowledge.

The Neighbors' Boys used to Make Faces at him over the Back Fence

and call him Names.

In due Time he went to the Institute where he proved to be an Onion. The Tech Push held him under the Pump the First Night, and gave him a free Bath in the Public Garden Pond. When he walked along Boylston Street the Boys on the Steps would whistle, "I don't Wanta Play in Your Yard."

With the Large Measure of Liberty that he had at the Institute our friend soon became Acquainted with the Snares and Temptations of the World. Walter soon stood in with the Toughest Push in Town, and learned to Chew Tobacco, shoot Craps and Rush the Can. He also Learned that there were Cherries in other Places than on Trees, and became Proficient at Smoking Turkish Cigarettes that were Born and Brought up in Connecticut.

When Wallie's Father suggested that he enter some Manufacturing Concern and become a Credit to the Family, he growled like a Boston Terrier, and told his Father to Skidoo-23. For had not our young Friend

learned Oodles of Slang during his stay in Classic Bosting?

Instead of becoming a Bouncer-out at a down-town Dairy Lunch, or working the Shells with a Circus, Walter was hired in as Office Boy at the Institute. After a While they kept him on the same Job and called him Registrar.

In that Position he is well known for the Brutal Manner with which he gives the Common Student the Double Cross, and hands out the Lemons to the Hoi Polloi. His Cruelty and Bloodthirstiness have become the Byword of the Institute, and his Barkings at the Innocent are to be heard any afternoon Trickling through the Oaken Panels. The Tortures of Registration which he has Invented have been Copied in all Departments of Hades.

MORAL: It all depends.

### Tale of How the Fool-Killer Backed out of a Contract

THE Fool-Killer came along through Brookline one Day last Fall

Outside of a Green Fence were two Large Bands of Roughlooking Creatures. High up in the Trees waved a Piece of Sailcloth with a Scrawl upon it. Barb Wire and Tangle-Foot encircled the tree trunks. Every once and a While the Bands would move restlessly, and charge at each other. In the Melée that Followed, several of the Almost-Rowdies would be shoved playfully over a Twenty-Foot Embankment. Up in the Branches there was one Fellow playing the Bird Act. shouting Directions through a Megaphone.

It was Cold and Dreary. The Human Beings could not sit down. They shuffled Wearily and were pop-eyed with Lassitude and Discouragement, for had they not Been on an all-night Vigil for the Honor of their

Class?

"Is this a new Wrinkle on Dante's Inferno, or is it a Lockout of the Moulders' Union?" the Fool-Killer asked of the Man at the Gate, who

wore a Red Badge marked "Marshal," and was taking Tickets.

"No, sir; you make a big mistake in Assuming that they are Drunken Ruffians from the Iron Foundry. Those are Institute Boys, Well-Bred Young Men, who are entertained at the Best Houses wherever they go. They are not Muckers, but Nice Boys, intent on preserving the Traditions of Dear old Alma Mater."

The Fool-Killer shook his head in Unbelief. "Why do they Congregate in the Weeds, and Allow the Rain to Warp them, and why do they

seem Desirous of Each other's Blood?"

"Because It has Always been done before," replied the Official, impatiently.

Just then there was another Rush, and one of the Fellows went down the Road with Part of His Face removed.

"They are either Frenzied Workingmen or Paranceics?" exclaimed

the Fool-Killer.

"Let me Convince you," said the Chesty Official. "You see the Human Vulture in the Tree. Well, he is from Chicago, and his Folks butt into the Society Column with Sickening Regularity. He is a Popular and Gentlemanly member of the Sophomore Class. The Leader of the Ground Floor opposition has a Grandmother who was one of the eight

thousand close Relatives of John Randolph, and belongs among the First Families."

The Fool-Killer started toward the Bunch. The Official called him back, saying, "Do not irritate them, they are not Used to Rudeness from Menials, and are liable to Swing on You."

"Tell me one thing, are They paid to Do It?" asked the F.-K.

"No, they do it for Love."

The Fool-Killer hefted his Club, looked at the Interweaving Mass

and shook his Head doubtfully.

"I can't tackle that Outfit today," he said. "It's too big a Job."
So he went on into Town and singled out a Grind that was trying
to break into the Drawing-Rooms on a Half Holiday, given by the Faculty.
MORAL: People who expect to be Luny should travel in Bunches.

# Overheard at the Mechanical Lab.

The screw remarked:

"The first time that I fell in love Was with a fair co-ed; As soon as I set eyes on her She simply turned my head."

The nail replied:

"She treated me quite rudely, so My fancy could not roam; As soon as she got hold of me She quickly drove me home."

The cold chisel spoke:

"I'm always cold with fair co-eds,
Like ice on bits of butter;
And when she tries to melt my heart,
I promptly turn and cut her."



[Registration Material]

# Pointers to freshmen

Ve

Plug or pack.

Don't try to be cheer-leader for upper-classmen.

Don't leave the Institute forgetting to graduate.

Beware of sophomores and look wise.

If at first you don't succeed, petition.

If necessary take a five-year course; thus many embarrassing explanations may be avoided.

Get busy while you've got a chance and don't talk about working, right up to eleven o'clock.

Do each day's work as it comes, even if you have to sit up all night to do it. It is harder to do it later.

Get a pull with the faculty, wear a clean collar and attend all class meetings if they don't conflict with meals.

If you want to stay at Technology and are stupid—go to some other college; if you are mediocre—be a grind; if you are bright—thank God, but look out!

Mind your own business and be democratic; don't think that you are any better than anybody else. "The bluest blood is putrid blood, the peoples blood is Rep."

Remember that you represent the Institute. Show them that you know how, whether at Jake Wirth's, the Skating Rink or a country black-smith's shop.

# · TECHNIQUE · 1908

### The Ballad of Walker Stairs

A Sompathetic Cale

V

T.

Our Charlie once was very cross,
And full good right had he,
Because his Soph'more Physics class
Were naughty as could be.

II.

They yawned and groaned and sighed and swore
At function-correlations,
But gained a most amazing skill
In amateur vibrations.

III.

A dreadful plan to punish them Soon grew within his mind; And so he made a tuning-fork. A monster of its kind.



IV.

On Walker's stairs, he took his stand, Armed with that fearsome fork, And as the class marched up those stairs, He put the fork to work.

V

He thumped it fiercely on the floor And made it give a sound Which woke responsive quivers in The iron-work around —

VI.

Again he struck, again the fork Sang loud above the mob; While, slowly swinging into time, The stairs began to throb.

VII

They shivered, shook, and gathered sweep —
Made oscillations wide;
Still more excited by that sound,
They pitched from side to side!

VIII.

The class, in wild amazement, see Charles up above, and feel, With dread and horrid pangs of fear, The stairs beneath them reel.

IX.

Now terror seizes on their souls; They'll soon go crashing down. Will Charles have pity on their fate? No! See that cruel frown!

X.

But hear — a voice from out the crowd,
"Break step, break step there, boys!
And give a long, loud Soph'more cheer
Three times, with lots of noise!"

XI

They dance a careless, breakstep dance,
Shout discords, long and shrill —
Ye gods! They're saved! The fork is damped;
The stairs are standing still.

XII.

Then Charlie's wrath was gone indeed;
He wept with joy to find
That someone in his Physics class
Had traces of a mind.

XIII.

"I've taught my classes many years,"
He said, "And some were good,
But ne'er before have met the man
Who truly understood."



# Coolution

Ve

Cambrian Age - First Life

Way back in the good old days of yore, Now eighty million years or more, We swam about, just you and me, Far out from land in the Cambrian sea. As one-celled beings you might guess There was little need for evening dress.

Silurian Age-Shellfish

The next time we our senses felt
We'd settled down, and there we dwelt
In houses white or gray perhaps,
While Vulcanism changed the maps.
The climate was the worst we'd had,
Since then in B—— it's been a fad.

Devonian Age - Fish

Again our turn to swim about
And other fauna put to rout;
While European lands we trod
When they had water for their sod.
As fishes then we made our marks,
For we were what they now call sharks.

Carboniferous Age - Amphibians

A great change next came o'er the world, For trees and plants their leaves unfurled; And we did squat beneath those trees And look with longing at the "C's" Which we'd forever left behind As worthy only for the grind.

Jurassic Age-Birds

The day then came when we grew wings And ruled the realms of air like kings. Vegetation still grew rife And we then led a better life, For Charlie's wasn't yet in sight, So we could roost at home each night.

### Cretaceous Age-Reptiles

And now we come to that dark age
When serpents were for once the rage,
And lava spread itself about,
While hills and peaks began to spout,
So here began that rise to fame
Of the now famous Jaggar name.

### Tertiary Age - Mammals

A last great step in evolution
Followed close this revolution —
White elephants of giant size,
Which now would make us ope our eyes,
Came into this world so fair,
Turned loose from Adam's loathsome lair.

### Quarternary Age - Man

The final step — the age of Man — When ice sheets o'er the country ran, And days began to grow so cold That Walter mittens soon unrolled And gave to those who needed rest Instead of work on thesis test.

### V

Just a man, yet known afar —
Authority when earthquakes jar;
Geologist par excellence;
Geysers, glaciers, at a glance
Appear to him a simple fact.
Rely on him to watch them act.

Course you know this man of fame — Rocks are what you gave his name.

Ore deposits would you buy?

Speak to him, for he won't lie.

Building stones, he knows each one.

You bet there's nothing he's not done.

# 1908 Class Statistics

Ve

What is the nationality of your father? Optimist — he thinks I'll get through.

Your probable future occupation?
Climbing telephone poles. My possible future occupation is president of a Telephone Company.

Favorite cereal?
Ground Corn and Rye distilled to insure purity.

How many hours a day do you study? I'm in Course IV.

How many hours do you waste? Twenty-two, the other two I spend eating.

How many condition exams have you taken? Nearly two dozen and I didn't half try.

Do you believe in the value of general studies or would you rather spend all of your time on technical work?

General studies are a nuisance, but technical work is worse. Arlo Bates is an oasis of wit in a desert of symbols and T-squares.

Did you work last summer? Yes.

Where? Phys. Lab.

At what salary? -\$25.

Do you drink? No (see next question).

What is your favorite drink? Champagne.

Do you smoke? Not while I live.

Have you ever flunked Physics, Calculus or Analyt.?

Both Physics and Analyt. Harry T. didn't allow me the privilege of flunking Calculus, but I'm sure I could have done it.

What study has been your hardest? Girls.

The most distasteful? Instructors.

Who is the handsomest man in the class? Bowman isn't, maybe 'tis Callaway.

The biggest grind? Frank McGuigan.

The nerviest?

Father calls me William, but the fellers call me Bill.

Who is the best teacher? Webster Wells is a quiet Christian.

Excepting Tech and women's colleges, what is your favorite college? I am torn between Harvard and Tufts.

Are you in love? Yes, and I can't help it.

Would you marry for money?

I refuse to be interviewed on this subject, but will listen to any arguments.

Have you attended the Kommers? They are one of the few things that stand between me and insanity.

Do you believe in encouraging student activities? No, the faculty might find it out.

Do you believe in co-operation, theoretically? Professor Dewey taught me to.

Do you believe in co-operation as exemplified in one Maclachlan? There is a graduate who has kept in touch with the Institute.

How long do you generally wait in Maclachlan's before being waited upon? One day I didn't wait — but he caught me.

Do you believe that the co-operative society ought to sell liquor? Yes. The co-op. now helps 130 students, why not help 1,500.

Are you a victim of the Spinoza habit? No, I can't go around Boston in my shirt sleeves.

Do you subscribe to the Tech?

No. I can read the ads in a newspaper.

Have you ever heard of anything being accomplished by the Institute Committee?

The position is too important to be violated by abuse.

Should Tech move out of the city? Yes, but I'm too blame busy to move it.

How much sleep do you get (exclusive of Heat and Polycon lectures)? I have Thermo too.

Whom do you consider to be the typical successful American? Charles L. Adams, on account of his many valuable publications.

Does Bartlett know how to smile?

Yes, he is said to have smiled when Cohen told him that he could not use infinity in an equation: "Because it is too big."

What is your pointer to a freshman? Gather ye rosebuds while ye may.

# Little Verses about Breat Men

Who's the man who holds our land In the hollow of his hand? Stern and stalwart here I stand — Franky Briggs.

Who's the man who grabs each cent, Squeezes it until it's bent; Hurts him ev'ry time one's spent? Andy Mac.

Who's the man who'd rather think Fourth dimension stunts than drink; Pats the Math. plumb on the blink? Harry T.

Who's the man who, in the 'Stute, Shovels out the yellow fruit With a charm you can't dispute? Walter H.

Who's the essence pure of art; Talks to Freshmen heart to heart, Gives them an inspiring start? Charlie S.

Who's the man, who at his desk, Looks so sadly picturesque? He's our little arabesque— Chauncy Batch.

Who's the story-teller free, Who, to them who shake with glee, Always seems to give a C? Burry B.

Who's the warlike son of Mars?
Discipline is where he stars;
Boss 'em 'round to beat the cars!
Frisky Fred.

### Soliloquy Before an English Lecture

The time draws nigh when I shall haply pall Upon the audience seated in this hall. What though my words inevitably shine Like pearls before a multitude of swine, Yet must I speak. The Muse within me stirs And whispers in mine ear: "Harangue these curs That sit before thee, sodden lumps of flesh That cannot comprehend th' intricate mesh Of life's reticulated compound net. No wonder if my restive spirit fret That it should bend before this indolence. Methinks they lack the smallest grain of sense." But hush! 'Tis seven past. Now is the time To show why Shakespeare really was sublime.



### Tech Knight



Sir Lanzalot

Technology of course was first to see that Getty Lanza No ordinary mortal was, but quite a great bonanza In the theory of phenomena shown in Applied Mechanics

(A subject which to most men is a source of fear and panics),

So they made him an instructor, and when years had rolled away

He became a full professor (with a little rise in pay).

When our Prof. had grown quite aged, Italy began to feel

That her poor neglected son was not quite getting a square deal,

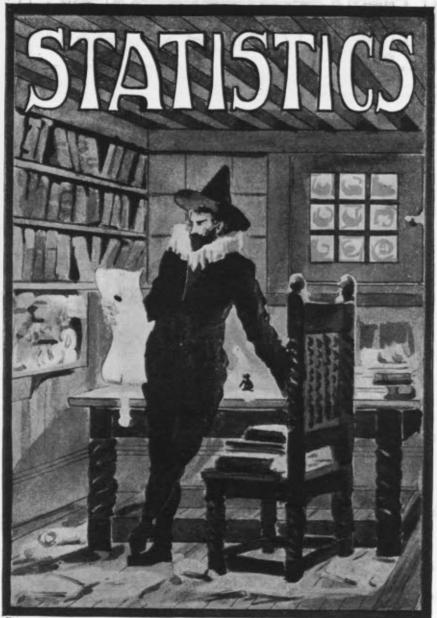
So she sent Ambassador des Planches, who straight to Boston went,

And having found out Getty, forthwith told why he was sent.

"To you the King of Italy, Emmanuel the Third, Has sent this decoration, though it does seem quite absurd. Arise, Sir Knight of Lazarus and Saint Mauricio! This exercise is finished, Getty Lanza, you may go!" But of course he spoke Italian: "Signor bono il confetti, Adagio staccato macaroni o spa Getty!"

In ten years England may wake up and realize his greatness; And having made apology to Getty for their lateness, King Edward then will graciously confer by royal charter The Order of the Bathtub, or perhaps the Boston Garter.





B.

w,



What the class should look like.



The fifteen handsomest on one plate.

Age

November fifteenth, eighty-five, was the date There came to this planet the class of 'AUGHT EIGHT; And odd as you think it — believe me this once — Our age now is twenty-one years and six months. The oldest man with us is thirty-one years; The youngest, eighteen and a sixth it appears.

Weight

The heaviest youth weighs two hundred and three, But the average weight you will quickly agree Should be one forty-six and eight-tenths — you may laugh — But the lightest man's one twenty-two and a half.

Height

Six feet four and five-eighths is the tallest by far, Five feet ten is the mean; five, the shortest we are.

Political party

The Republican party is easily first.
A "Hoist Yellow Socialist" seems to be worst.
Democrats, Socialists, Anarchists, too,
Lib'ral, Conservative, all get a few.

#### · STATISTICS ·

What time do you rise? What time do we rise? It is not very late, On an av'rage we make it just seven two eight.

What time do you retire?

We retire as a rule at about 'leven ten, And get all the sleep that is needed by men. But in Polycon lectures and Heat we all feel Excessively drowsy, and sleep we then steal.

How many hours a day do you study? The av'rage for study was quite hard to fix, But by dint of much labor made three forty-six. One man in Course IV never studies a bit, While others work six hours before they will quit.

How many hours do you waste each day? Some cared not to number the hours lost each day, But the av'rage was one forty-nine. By the way,

How often do you go to the theater? The time spent at theaters should come in right here; Some go ev'ry week, and some go once a year.

Does Bartlett know how to smile? We next come to Bartlett and that wicked smile Which only escapes him just once in a while, When students he finds at the Plaza or Park, Or maybe at Charlie's enjoying a lark. Now speaking of Dana brings Math. to our mind And his flunks of last May; they were truly unkind. That smile which he had walking through Rogers Hall It pleased us to find it was noticed by all. For such as it was (and I'm sure that I'm right) It resulted from many a long sleepless night In which he prepared that most painful exam. Which made many fellows ejaculate "Damn!"

Have you ever flunked Physics or Analyt.? But why blame poor Dana for everything? There are sev'ral Profs. who at times leave their sting; For example, there's Physics and then Analyt., Those two have made many first-class fellows quit. The per cent who flunked Physics's a small fraction more Than thirty and nine; Analyt., twenty-four.

Did you work last summer and at what salary? We worked some last summer, excepting a few,
For wages or salary, Summer School too.
Per week we received about twelve sixty-four,
The highest received was considerably more,
It amounted to just forty-three and a half,
The lowest was nothing — again please don't laugh.

Do you drink? What is your favorite drink? When asked about liquor and other strong drink, The answers were varied, but led one to think More than half of the class never drank P.B. ale, Nor cared for Budweiser, champagne nor cocktail.

Do you smoke?

In smoking the tables are just slightly turned — Fifty-one and five-tenths good tobacco have burned.

What year has been your hardest? What year was your hardest? The Junior we think. Leave to Freshmen the joys of the Park roller rink.







HANDSOME GEORGE



#### · TECHNIQUE · 1908



Physics we find to be hardest for all, While Analyt. causes us many a fall.

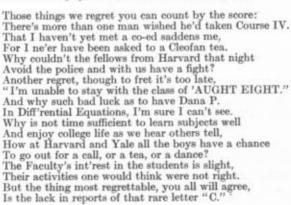
And German or French, with M.S. second place, Are the simplest with which we were brought face to face.

Chem. still is the fav'rite, pushed hard by Applied; The very most useless to us — we'll confide — Is M.S.; while our Physics and Math. Soph'more year, And Chemistry, also, we value most here.

Freehand we execrate, Phys. Lab. comes next, There are others about which the class has been vexed.

Course VI took the lead by one vote over VIII, To attempt either one has sealed many a fate. Course II and Course I are some hard it is true, For Getty and Swain have flunked more than a few.

The pleasantest thing in our whole college course Was the hand-to-hand fight with the B- police force, When with torches for guns or for clubs, as you will, We practised Mil. Science on "coppers" until, Though honors were even, our lines were dispersed, It's right hard to calculate who got the worst. Midst other events which it's good to recall Is the burning of gloves; and then, too, Sergeant Hall, As he walked down the street after winning Prize Drill. To get a check cashed and to have your heart thrill, Just step to the window — the Bursar's you know How pleasant it is when she hands out the "dough." For pleasant ordeals we're not all at a loss, The very last lecture, for instance, of Cross. How happy we feel, on that last day of May, To hear from that window a soft accent say, "Twenty-seven is his from the fifty he gave As a Chem. Lab. deposit" — not such a close shave As one might expect from results Freshman year, When deposits were never enough — oh, how queer! To be known in TECHNIQUE as a member of EIGHT Cheers one up quite a bit when he's studying late.





Easiest

Favorite Most useless Most valuable

Most distasteful

What is the hardest course?

What has been the pleasantest event in your college course?







What do you regret the most?

#### STATISTICS .

The handsomest man in the class

The handsomest man in the class? Guess again. Rapelye wins out by much more than ten. While Glover is second, and A. Thompson third: And Bursar Rand also — that's not so absurd, He's just as much Junior as any you'll find.

The biggest grinds

Dexter, Faxon and Edge, just note how they grind.

The most popular

The most popular man — no need guessing — is Mac, While Glover and Rap'lye of votes had no lack.

The nerviest

The nerviest man? Bill Adams gets that; To Given and Bullard, too, take off your hat.

Windiest

For windiest, Bill again takes the first place; Spurr, Lyford and Thöde got lost in the race.

The least appreciated C. A. Hall, Heath and Friedman are least 'preciated, While Dolke along with these three might be rated.

The most conceited

Spurr, Sando, Nix, Bridgman and Dolke all try For first place as those most conceited — a tie!

The one with the biggest pull with Faculty

The Faculty seems to like Glover; a toss For second, Bill Adams or young Charlie Cross.

Who has done the most for the Institute?

McGuigan and Rap, for the 'Stute do the most, Of Glover and Tobin we also can boast.

The jussers

The fussers come last, these were right hard to fix. But Webb got first place, for his votes numbered six; Todd, Ogarrio, Glover, Hank Putnam and Tse Fuss almost as much as H. Webb any day.

How often do you juss?

Just to show there are others who fussing don't miss, Eighty-seven per cent indulge often in this, While eleven per cent never look at a skirt, The rest failed to answer this question so pert.

The favorite colleges

Here Wellesley's the fav'rite, Smith's not far behind, Bryn Mawr, Vassar, Mt. Holyoke, all three of a kind. In mentioning colleges — those just for men -Yale beats out old Dartmouth by four more than ten, Fair Harvard is third, beats Cornell just by two, While Princeton comes after with votes but a few.

Professors grouchiest

Let's look at the Profs. and compare them a bit, And think if you can whom "most grouchy" will fit: Dana Bartlett is first, Charlie Adams, then Cross.

Handsomest

For handsomest professors we're not at a loss — Getty comes first, Swan, Wendell, then Smith. In regard to the "first," that must be a myth.

Best lecturer

The one who can lecture the best of them all Is Wendell, then Clifford — now let me recall Yes! Talbot was best all through Freshman year.







CHARLE



PROF. WENDELL

#### · TECHNIQUE · 1908



The hardest to bluff and those we most fear Are George, Wendell, Bartlett and then, next to him, Is Bailey, though some ask why he didn't win.

The most popular Prof. is George Wendell, by far, Next Blackie, then Miller and Merrill on par.

Wendell teaches the best, with Hayward for second, George and Bailey were next — 'tis as far as we reckoned.

Subscribe to the Tech? Just half of us do, Be patient and hear the remarks of a few.

"The policy followed by Boards in past years
Is to fill up with 'ads,' then there'll be no arrears."

"On the part of directors it represents graft."

"In looking for news how often I've laughed
When comparing this news with that à la Hearst,
'Theater committee exposed, their actions the worst.'
'Should our hats be removed when tuition we pay?'
(How can one help it, is what I should say.)"

"They stir up bad news to increase circulation,
Then take in more pennies with seeming elation."
"Communications they print, but they vouch for them not,
They're considered by some as nothing but rot."
The views of the Tech on this subject are such
(They don't like this probing, least not very much):
"To give accurate news, to give news that's worth while,
To guard int'rests of students"—they miss it a mile.
The policy lately they've guarded quite well,
"God and Denny both know; but to us they won't tell."

What salary at forty would satisfy you?
About five hundred thousand would do quite a few.
The lowest of all chose a much humbler path,
Just one dollar per diem, a room and a bath.
The av'rage amount seems quite large to us scholars —
Nineteen thousand six hundred and twenty-one dollars.

The statistics of EIGHT have now come to an end: In closing a word of advice we intend To give to all Freshmen who enter each year: "Talk old firearms to Sawyer, you need never fear, In your Freehand attempts, he'll then give you a 'C.'" "Always keep on the lookout for dear Dana P., When you see him beware, and don't let him see you." "Don't buy a green bag (for that stings quite a few)."
"Disappointed don't be after finals in June,
If changing to Harvard has come all too soon." "Write home before Mid-years, 'Can't stand it at Tech,' Must go somewhere else to save trouble, By Hec!" "Be good in drill, just ask Putnam or Given, Should you be in their boots, life is hardly worth livin'." "Sell that drill suit of yours for no less than it cost (Oh! how I regret all the money I lost!)" "Don't fall deep in love with a pretty co-ed." "Buy Charlie's new book, and to Mac's don't be led" (He's rich enough now to buy out old John D.).
"Get busy at once — your last chance for a 'C;" Then carefully keep in the path set offlate, By the prize winning class, NINETEEN HUNDRED AND EIGHT.

Hardest to bluff

Most popular

Best teacher

Do you subscribe to the Tech?

Has the Tech a definite policy? If so, what is it?



What salary at forty would satisfy you?

What is your advice to a Freshman?



#### **Facts**

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Mechanical Engineering, with 214 men enrolled, is the largest course. Civil Engineering is next with 210, and Electrical Engineering third with 192 men.

Last year's graduating class was the largest in the history of the Institute. Two hundred and seventy-eight received degrees.

There are 200 graduates, representing forty-nine colleges and thirty-nine universities, in the Tech undergraduate body.

The average age of the entering class this year was eighteen years and ten months. The average for last year's graduating class was twenty-two years and nine months.

The number of students who attended summer school in 1906 is 229, less by 37 than in 1905.

Co-eds number 13.

There are 28 intentional five-year students.

Special students include 41 per cent, of the total enrollment.

The number of students who did not return last fall, excluding the graduating class, is 318.

The ratio of the Instructing Staff to Students, not counting Research Associates, Assistants and Lecturers, is 1 to 6.9.

The Institute Libraries now contain 74,695 volumes; 3,391 were added during 1905–1906.

Tuition last year amounted to \$313,816.

Scholarships amounting to \$28,828 were awarded to 236 men during last year.

The average number of students served with lunch at the Union is 152, at an average cost per student of 16 cents. It costs the Union more.

The largest attendance at the Kommers was on Dec. 15, 1906, when 197 students were present to hear the German student songs.

The Income Fund Committee paid to the Institute as gifts from the alumni \$42,583 during the past year.

Gifts and bequests during the last year amounted to \$102,255.

The Walker Memorial Fund is now \$107,557.

The cost of the Gymnasium was \$12,603.

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#### Geographical Distribution of Graduates in the United States



#### Residence of Students in the United States



#### · FACTS ·

#### Geographical Distribution of Graduates

United States . . . 2,852

#### Foreign Countries

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Cuba .				6	27.	Switzerland				2	
Ecuador.				1	28.	Syria .				1	
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	Country				N	umber		Country	e.			Nu	mber
1.	Argentine	Re	public		100	1	16.	India .		1.0			1
	Armenia					2	17.	Ireland					2
3.	Australia	33				3	18.	Jamaica					1
4.	Belgium				-	1	19.	Japan			- 10		5
5.	Bermuda			-		1	20.	Mexico	2				12
6.	British Co	lum	bia			1	21.	New Brun	swi	ck			3
	Cape Tow					1		Nova Scot					4
8.	Chile .					1	23.	Ontario		1.5			6
9.	China .					7	24.	Peru .					1
10.	Cuba .					4	25.	Quebec					1
11.	Denmark					1	26.	Scotland		- 13			1
12.	Ecuador					2	27.	Transvaal		- 12			3
	Egypt .					2	28.	Turkey					1
14.	England					6		Uruguay	3			- 0	1
15.	Honduras					1		9		16		(2)	_
								Total					76

## Concerning

Name	Location	Founded	l President	
Alabama Polytechnic Institute .	Auburn, Ala.	1872	Charles C. Thack, B.E., A.M.	1
Albion	Albion, Mich.	1861	Samuel Dickie, A.M., M.S., LL.D.	2
Allegheny College	Meadville, Pa.	1815	William H. Crawford, D.D., LL.D.	3
Amherst College	Amherst, Mass.	1821	George Harris, D.D., LL.D.	4
Armour Institute	Chicago, Ill.	1893	Frank W. Gunsaulus, D.D.	5
Bates College	Lewiston, Me.	1864	George C. Chase, D.D., LL.D.	6
Beloit College	Beloit, Wis.	1843	Edward D. Eaton, D.D., LL.D.	7
Boston University	Boston, Mass.	1869	W. E. Huntington, Ph.D.	8
Bowdoin College	Brunswick, Me.	1794	William D. Hyde, D.D., LL.D.	9
Brown University	Providence, R.I.	1764	W. H. P. Faunce, A.M., D.D.	10
Bucknell University ,	Lewisburg, Pa.	1846	John H. Harris, Ph.D., LL.D.	11
Case School of Applied Science .	Cleveland, Ohio	1881	Chas, S. Howe, B.S., Ph.D.	12
Central University	Richmond, Ky.	1874	Frederick W. Hinitt, Ph.D.	13
Claffin University	Orangeburg, S.C.	1872	Lewis M. Dunton, A.M., D.D.	14
Colgate University	Hamilton, N.Y.	1819	George E. Merrill, DD., LL.D.	15
College of the City of New York	New York City	1847	John H. Finlay, D.D., LL.D.	16
College of the Holy Cross	Worcester, Mass.	1843	Joseph F. Hauselman, S.J.	17
College of William and Mary .	Williamsburg, Va.	1693	Lyon G. Tyler, M.A., LL.D.	18
Colorado College	Colorado Springs, Co	olo.1874	William F. Sloeum, A.B., D.D., LL.D.	19
Colorado School of Mines	Golden, Colo.	1874	Victor C. Alderson, Sc.D.	20
Columbia University	New York City	1754	Nicholas M. Butler, Ph.D.	21
Cornell University	Ithaca, N.Y.	1865	Jacob G. Schurman, D.Sc., LL.D., A.M.	22
Cumberland University	Lebanon, Tenn.	1879	David E. Mitchell, A.B.	23
Dartmouth College	Hanover, N.H.	1769	William J. Tucker, D.D., LL.D.	24
De Pauw University	Greencastle, Ind.	1837	Edwin H. Hughes, A.M., D.D.	25
Dickinson College	Carlisle, Pa.	1783	George E. Reed, S.T.D., LL.D.	26
Drake University	Des Moines, Iowa	1891	Hill M. Bell, A.M.	27
Fisk University	Nashville, Tenn.	1866	James G. Merrill, D.D.	28
Franklin and Marshall	Lancaster, Pa.	1853	John S. Stahr, Ph.D., LL.D.	29
Georgetown University	Washington, D.C.	1789	Jerome Dougherty, S.J.	30
Harvard University	Cambridge, Mass.	1636	Charles W. Eliot, A.M., LL.D.	31
Howard University	Washington, D.C.	1867	John Gordon, A.B., A.M., D.D.	32
Indiana University	Bloomington, Ind.	1824	William L. Bryan, A.M., A.B., Ph.D.	33
Iowa College	Grinnell, Iowa	1848	Dan F. Bradley, D.D.	34
Johns Hopkins University	Baltimore, Md.	1876	Ira Remson, A.B., LL.D., M.D., Ph.D.	35
Kentucky University	Lexington, Ky.	1836	Burris A. Jenkins, A.M., B.D., D.D.	36
Kenyon College	Gambier, Ohio	1825	Rev. W. F. Peirce, L.H.D.	37
Lafayette College	Easton, Pa.	1832	Rev. E. D. Warfield, D.D., LL.D.	38
Lake Forest University	Lake Forest, Ill.	1858	Richard D. Harlan, A.M., D.D.	39

## the Colleges

								Val. Prop'ty Endw't and
	Bldgs.	Stud'ts	Inst'rs	College Colors	Annual	Co-educa tional	r- of	her Resources
1	8	480	34	Orange and Blue	Glomerata	Yes	None	Approx.
2	7	464	17	Pink and Green	The Junior Annual	Yes	\$30	\$ 577,000
3	8	385	19	Blue and Gold	Kaldron	Yes	45	522,000
4	24	414	40	Purple and White	Olio	No	110	890,000
5	4	841	63	Yellow and Black	Integral	No	120	2,855,000
6	8	350	23	Garnet	Bulletin No. 1	Yes	50	2,890,000
7	13	401	28	Gold	Codez	Yes	36	793,000
8	4	1.279	148	Scarlet and White	The Hub	Yes	125	1,581,000
9	11	369	42	White	The Bugle	No	75	1,853,000
10	18	935	85	Brown and White	Liber Brunensis	Yes	105	2,066,000
11	12	710	45	Orange and Navy Blue	L'Agenda	Yes	50	5,689,000
12	6	454	28	Brown and White	The Annual	No	100	1,000,000
13	12	1,400	120	Cardinal and Blue	Cardinal and Blue	Yes	50	866,000
14	12	481	20	Orange and Maroon	Bulletin	Yes	14	839,000
15	8	375	34	Maroon	Salmagundi	No	60	237,000
16	4	2.951	128	Lavender	Register	No		2,468,000
17	1	388	32	Purple and White	The Purple	No	None	1,969,000
18	8	165	8	Orange and White	Colonial Echo	No	60	557,000
19	14	442	42	Gold and Black	The Tiger		35	300,000
20	11	250	17	Silver and Blue	Bulletin	Yes	35	1,453,000
21	21	3,849	455	Light Blue and White	Columbian	No	100	417,000
22	25	3,423	408	Cornelian and White	The Cornellian	Yes	150	30,268,000
23	6	648				Yes	125	13,834,000
24	25	870	11/25/10	Green, White and Blue	Phanix	Yes	50	630,000
25	9	642		Dark Green Old Gold	Aegis	No	100	4,065,000
26	12				The Mirage	Yes	4.5	742,000
27	6	497		Red and White	The Microcosm	Yes	6	984,000
28	8	1,507	111	Blue and White	Quax	Yes	50	817,000
29		525	28	Blue and Gold	None	Yes	14	447,000
	9	401	28	Blue and White	Oriflamme	Yes	None	761,000
30	1	674		Blue and Gray	Hodge Podge	No	100	1,450,000
1000	70	4,328		Crimson	None	No	150	24,000,000
32	16	860		Blue and White	University Journal	Yes	None	1,359,000
33	10	1,418		Cream and Crimson	Arbutus	Yes	None	625,000
34	7	530		Scarlet and Black	Junior Annual	Yes	55	753,000
35	12	715		Black and Old Gold	The $Hullabaloo$	Yes	150	6,856,000
36	10	1,159		Crimson	Crimson	Yes	30	780,000
37	10	216		Mauve	The Reveille	No	75	1,289,000
38	30	415		Maroon and White	The Melange	No	100	1,279,000
39	9	360	52	Red and Black	The Forester	Yes	40	2,042,000

Name	Location 1	Found	ed President	
Lehigh University	South Bethlehem, Pa.	1866	Henry S. Drinker, E.M., LL.D.	1
Leland Stanford, Jr., University.	Stanford Univ., Cal.	1891	David S. Jordan, LL.D., Ph.D., M.S.	2
Louisiana State University	Baton Rouge, La.	1860	Thomas D. Boyd, LL.D.	3
Marietta College	Marietta, Ohio	1835	Alfred T. Perry, A.M., D.D.	4
Mass. Institute of Technology .	Boston, Mass.	1865	Henry S. Pritchett, Ph.D., LL.D.	5
New York University	New York City	1832	Henry M. MacCracken, D.D., LL.D.	6
Northwestern University	Evanston, Ill.	1851	Abram W. Harris	7
Oberlin College	Oberlin, Ohio	1833	Henry C. King, D.D.	8
Ohio State University	Columbus, Ohio	1873	William O. Thompson, D.D., LL.D.	9
Ohio Wesleyan University	Delaware, Ohio	1844	Rev. Herbert Welch, D.D.	10
Pennsylvania State College	State College, Pa.	1859	George W. Atherton, A.B., LL.D.	11
Polytechnic Institute of Brooklyn	Brooklyn, N.Y.	1854	F. W. Atkinson, Ph.D.	12
Pratt Institute	Brooklyn, N.Y.	1887	Charles M. Pratt, A.B., A.M.	13
Princeton University	Princeton, N.J.	1746	Woodrow Wilson, Ph.D., Litt.D., LL.D.	14
Purdue University	La Fayette, Ind.	1874	Winthrop E. Stone, A.M., Ph.D.	15
Rensselaer Polytechnic Institute	Troy, N.Y.	1824	Palmer C. Ricketts, C.E.	16
Richmond College	Richmond, Va.	1832	F. M. Boatwright, M.A., LL.D.	17
Rose Polytechnic Institute	Terre Haute, Ind.	1883	C. Leo Mees, Ph.D.	18
Rutgers College	New Brunswick, N.J.	1766	Austin Scott, Ph.D., LL.D.	19
St. Louis University	St. Louis, Mo.	1829	W. B. Rogers, S.B.	20
Shaw University	Raleigh, N.C.	1865	Charles S. Neeserve, LL.D.	21
Southwestern University	Georgetown, Tex.	1873	R. S. Hyer, A.M., LL.D.	22
State University of Iowa	Iowa City, Iowa	1855	George E. MacLean, M.A., LL.D.	23
Stevens Institute of Technology	Hoboken, N.J.	1871	Alexander C. Humphreys, M.E., Sc.D., LL.D.	24
Swarthmore	Swarthmore, Pa.	1869	Joseph Swain, LL.D.	25
Syracuse University	Syracuse, N.Y.	1871	James R. Day, S.T.D., LL.D.	26
Throop Polytechnic Institute .	Pasadena, Cal.	1891	Walter A. Edwards, A.B., A.M., LL.D.	27
Trinity College	Hartford, Conn.	1824	Flavel S. Luther, B.A., Ph.D.	28
Tufts College	Tufts College, Mass.	1855	Frederick W. Hamilton, A.B., A.M., LL.D.	29
Tulane University	New Orleans, La.	1834	E. B. Craighead, LL.D.	30
Union University	Schenectady, N.Y.	1795	Andrew V. V. Raymond, D.D., LL.D.	31
United States Military Academy	West Point, N.Y.	1802	Albert L. Mills, General U.S.A.	32
United States Naval Academy	Annapolis, Md.	1845	Rear Admiral J. H. Sands, U.S.N.	33
University of Alabama	University, Ala.	1831	John W. Abercrombie, LL.D.	34
University of Arizona	Tucson, Ariz.	1891	Kendrie C. Babeoek, B.L., A.M.	35
University of Arkansas	Fayetteville, Ark.	1872	Henry S. Hartzog, LL.D.	36
University of California	Berkeley, Cal.	1869	Benjamin Ide Wheeler, Ph.D., LL.D.	37
University of Chicago	Chicago, Ill.	1892	Harry Pratt Judson, A.M., LL.D.	38
University of Cincinnati	Cineinnati, Ohio	1874	Charles W. Dabney, LL.D.	39
University of Colorado	Boulder, Colo.	1877	James H. Baker, M.A., LL.D.	40
University of Denver	University Park Colo.	1864	Henry A. Buchtel, A.M., D.D., LL.D.	41
University of Florida	Gainesville, Fla.	1884	Andrew Sledd, Ph.D.	42
University of Georgia	Athens, Ga.	1800	Walter B. Hill, A.M., LL.D.	43
University of Idaho	Moseow, Idaho	1892	James Alexander MacLean, M.A., Ph.D.	44
University of Illinois	Urbana, Ill.	1868	Edmund J. James, LLD.	45
University of Kansas	Lawrence, Kan.	1866	Frank Strong, Ph.D.	46

### · CONCERNING COLLEGES ·

						Co-educa-		Val. Prop'ty Endw't and her Resources
	Bldgs.	Stud'ts	Inst'r	s College Colors	Annual	tional	Tuition	Approx.
1	14	708	56	Brown and White	Epitome	No	150	\$2,820,000
2	38	1,485	145	Cardinal Red	Stanford Quad	Yes	20	24,103,000
3	12	438	26	Orange and Purple	Gumbo	No	None	829,000
4	6	353	30	Navy Blue and White	Mariettana	Yes	30	432,000
5	10	1,397	230	Cardinal Red and Silver Gray	Technique	Yes	250	4.000,000
6	15	2,218	212	Violet	The Violet	Yes	100	5,512,000
7	14	3,869	197	Royal Purple	The Syllabus	Yes	80	7,605,000
8	16	1,618	112	Crimson and Gold	Hi-O-Hi	Yes	75	2,912,000
9	22	1,803	140	Searlet and Gray	Makio	Yes	None	4,252,000
10	11	849	116	Black and Red	Bijou	Yes	51	2,735,000
11	17	664	59	Blue and White	La Vie	Yes	100	1,984,000
12	2	506	50	Blue and Gray	The Polywog	No	200	556,000
13	9	3,489	131	Cadmium Yellow	None	Yes	75	3,544,300
14	40	1,431	109	Orange and Black	Bric-a-Brac	No	160	Not reported
15	28	1,340	93	Old Gold and Black	Debris	Yes	25	1,462,000
16	6	375	24	Cherry and White	Transit	No	200	533,000
17	10	305	20	Crimson and Blue	The Spider	Yes	70	956,000
18	5	213	22	Old Rose and White	The Modulus	No	75	980,000
19	10	378	43	Scarlet	Scarlet Letter	Yes	75	1,379,000
20	6	1,010	158	Blue and White	Fleur-de-Lis	No	60	1,291,000
21	13	499	35	Garnet and White	None	Yes	12	176,000
22	5	438	59	Lemon and Black	Sou'wester	Yes	60	340,000
23	19	1,393	148	Old Gold	The Hawkeye	Yes	20	2,095,000
24	3	347	24	Silver Gray and Crimson	Link	No	225	1,392,000
25	8	129	25	Garnet	Haleyon	Yes	150	943,000
26	11	2,222	189	Orange	The Onondagan	Yes	75	3,632,000
27	2	369	25	Not reported	Polytechnic	Yes	75	227,000
28	5	131	18	Dark Blue and Old Gold	Ivy	No	100	1,879,000
29	18	1,100	175	Brown and Blue	The Brown and Blue	Yes	100	2,464,000
30	20	917	64	Olive and Blue	Jambalaya	Yes	85	3,320,000
31	15	626	97	Garnet	The Garnet	No	75	1,224,000
32	12	462	76	Black, Gray and Gold	Howitzer	No	None	7,929,000
33	54	652	77	Blue and Old Gold	The Lucky Bag	No	None	7,631,000
34	10	433	44	Crimson and White	The Corolla	Yes	20	1,487,000
35	15	205	29	Blue and Red	The Burro	Yes	20	326,000
36	16	1,007	72	Cardinal	Cardinal	Yes	None	659,000
37	30	3.307	207	Blue and Gold	Blue and Gold	Yes	20	6,564,000
38	34	4,580	373	Maroon	Cap and Gown	Yes	120	17,888,000
39	10	1,358	186	Searlet and Black	Cincinnatian	Yes	75	2,606,000
40	13	966	64	Silver and Gold	Coloradoan	Yes	None	656,000
41	12	1,116	177	Red and Gold	Kynewisbok	Yes	30	775,000
42	4	176	28	Navy Blue and Orange	None	No	None	447,000
43	14	502		Red and Black	Pandora	No	50	1.150.000
44	4	420	27	Silver and Gold	Gem of the Mountains		None	466,000
45	16	3,594	349	Orange and Blue	The Illio	Yes	105	3,384,000
46	15	1,319	177	Crimson and Dark Blue	The Jayhawker	Yes	30	1,424,000
					200		-	4,1000

University of Maine Orono, M. University of Michigan Ann Arbo University of Minnesota . Minneapo University of Missouri . Columbia University of Montana Missoula, University of Nebraska . Lincoln, I University of Nevada Reno, Ne University of New Mexico . Albuquer University of North Carolina . Chapel H University of North Dakota . Grand Fo University of Notre Dame . Notre Da University of Oklahoma . Norman,	or, Mich.     1841     James B. Angell, LL.D.     2       dis, Minn.     1868     Cyrus Northrup, LL.D.     3       , Mo.     1841     Richard H. Jesse, LL.D.     4       Mont.     1895     Oscar J. Craig, Ph.D.     5       Neb.     1869     E. Benjamin Andrews, D.D., LL.D.     6       v.     1886     Rev. J. E. Stubbs, LL.D.     7       que, N. Mex.     1892     William G. Tight, Ph.D.     8       ill, N.C.     1795     Francis P. Venable, Ph.D., LL.D.     9       ork, N.D.     1884     Webster Merrifield, M.A.     10       me, Ind.     1842     Andrew Morrissey, C.Sc., A.M.     11
University of Minnesota . Minneapo University of Missouri . Columbia University of Montana Missoula, University of Nebraska . Lincoln, I University of Nevada Reno, Ne University of New Mexico . Albuquer University of North Carolina . Chapel H University of North Dakota . Grand Fo University of North Dakota . Notre Da	dis, Minn.     1868     Cyrus Northrup, LL.D.     3       , Mo.     1841     Richard H. Jesse, LL.D.     4       Mont.     1895     Oscar J. Craig, Ph.D.     5       Neb.     1869     E. Benjamin Andrews, D.D., LL.D.     6       v.     1886     Rev. J. E. Stubbs, LL.D.     7       que, N. Mex.     1892     William G. Tight, Ph.D.     8       ill, N.C.     1795     Francis P. Venable, Ph.D., LL.D.     9       ork, N.D.     1884     Webster Merrifield, M.A.     10       me, Ind.     1842     Andrew Morrissey, C.Sc., A.M.     11
University of Missouri . Columbia University of Montana Missoula, University of Nebraska . Lincoln, I University of Nevada Reno, Ne University of New Mexico . Albuquer University of North Carolina University of North Dakota . Grand Fo	Mont. 1841 Richard H. Jesse, LL.D. 4  Mont. 1895 Oscar J. Craig, Ph.D. 5  Neb. 1869 E. Benjamin Andrews, D.D., LL.D. 6  v. 1886 Rev. J. E. Stubbs, LL.D. 7  que, N. Mex. 1892 William G. Tight, Ph.D. 8  ill, N.C. 1795 Francis P. Venable, Ph.D., LL.D. 9  ork, N.D. 1884 Webster Merrifield, M.A. 10  me, Ind. 1842 Andrew Morrissey, C.Sc., A.M. 11
University of Montana Missoula, University of Nebraska Lincoln, I University of Nevada Reno, Ne University of New Mexico Albuquer University of North Carolina	Mont. 1895 Oscar J. Craig, Ph.D. 5 Neb. 1869 E. Benjamin Andrews, D.D., LL.D. 6 v. 1886 Rev. J. E. Stubbs, LL.D. 7 que, N. Mex. 1892 William G. Tight, Ph.D. 8 ill, N.C. 1795 Francis P. Venable, Ph.D., LL.D. 9 ork, N.D. 1884 Webster Merrifield, M.A. 10 me, Ind. 1842 Andrew Morrissey, C.Sc., A.M. 11
University of Nebraska Lincoln, I University of Nevada Reno, Ne University of New Mexico Albuquer University of North Carolina . Chapel H University of North Dakota . Grand Fo University of Notre Dame Notre Da	Neb. 1869 E. Benjamin Andrews, D.D., LL.D. 6 v. 1886 Rev. J. E. Stubbs, LL.D. 7 que, N. Mex. 1892 William G. Tight, Ph.D. 8 ill, N.C. 1795 Francis P. Venable, Ph.D., LL.D. 9 ork, N.D. 1884 Webster Merrifield, M.A. 10 me, Ind. 1842 Andrew Morrissey, C.Sc., A.M. 11
University of New Mexico Albuquers University of North Carolina	v. 1886 Rev. J. E. Stubbs, LL.D. 7 que, N. Mex. 1892 William G. Tight, Ph.D. 8 ill, N.C. 1795 Francis P. Venable, Ph.D., LL.D. 9 ork, N.D. 1884 Webster Merrifield, M.A. 10 me, Ind. 1842 Andrew Morrissey, C.Sc., A.M. 11
University of New Mexico Albuquers University of North Carolina . Chapel H. University of North Dakota . Grand Fo University of Notre Dame Notre Da	Que, N. Mex. 1892       William G. Tight, Ph.D.       8         ill, N.C. 1795       Francis P. Venable, Ph.D., LL.D.       9         ork, N.D. 1884       Webster Merrifield, M.A.       10         me, Ind. 1842       Andrew Morrissey, C.Sc., A.M.       11
University of North Carolina . Chapel H. University of North Dakota . Grand Fo University of Notre Dame Notre Da	ill, N.C. 1795 Francis P. Venable, Ph.D., LL.D. 9 ork, N.D. 1884 Webster Merrifield, M.A. 10 me, Ind. 1842 Andrew Morrissey, C.Sc., A.M. 11
University of North Dakota . Grand Fo University of Notre Dame Notre Da	ork, N.D. 1884 Webster Merrifield, M.A. 10 me, Ind. 1842 Andrew Morrissey, C.Sc., A.M. 11
University of Notre Dame Notre Da	me, Ind. 1842 Andrew Morrissey, C.Sc., A.M. 11
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	10 m 1 m m 1 m m 1 m m 10 m 10 m 10 m
	Okla. 1892 David R. Boyd, A.M., Ph.D. 12
University of Oregon Eugene, (	
University of Pennsylvania Philadelp	hia, Pa. 1740 Charles C. Harrison, LL.D. 14
University of South Dakota . Vermilion	경기를 가장하는 사람들은 사람들이 가장 하는 사람들이 되었다.
University of Southern California Los Ange	70% (1986)
University of Tennessee Knoxville	
University of Texas Austin, T	HOUSE HE
University of the South Sewanee,	[ - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -
	City, Utah 1850 J. J. Kingsbury, Ph.B., A.M., Ph.D., D.Sc. 20
University of Vermont Burlingto	100 N 1 N 1 N 1 N 1 N 1 N 1 N 1 N 1 N 1
	sville, Va. 1825 Edwin Anderson Alderman, LL.D. 22
University of Washington Seattle, V	
University of Wisconsin Madison,	
University of Wyoming Laramie,	
Vanderbilt University Nashville	
Washington and Jefferson College Washington	[1] 가다마다 (Control of the Control of
Washington and Lee University Lexington	
Washington University St. Louis	
	wn, Conn. 1831 Bradford Paul Raymond, D.D., LL.D. 30
Western Reserve University . Cleveland	사람이 가까지 않는 이 이번 가는 사람들이 되었다. 이 전환에 가는 하는 것은 것은 것은 것이 없는 것이 없는 것이 없다.
이 원리 하지 않는 전에 살을 만든다면 한 경험을 하지 않는 그 모든 보다를 살아내지 않는데 내려왔다.	town, Mass. 1793 William Hopkins, D.D., LL.D. 32
Wittenberg College Springfie	
Worcester Polytechnic Institute Worceste	H B (1984)
Wooster University Wooster,	아이들이 하는 사람들이 아이들이 아이들이 가는 사람들이 되었다면 하는 것이 없는데 그렇게 하는데 이 모양이다.
	ven, Conn. 1701 Arthur T. Hadley, LL.D. 36
Tale University	ren, comit
	Colleges
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Bryn Mawr Bryn Ma	
Mount Holyoke South He	adley, Mass. 1837 Mary E. Wooley, A.M., L.H.D. 2
Radeliffe Cambridge	TAND TAND TO THE STATE OF THE STA
	pton, Mass. 1875 L. Clark Seelye, D.D., LL.D. 4
	epsie, N.Y. 1865 James M. Taylor, D.D., LL.D. 5
Wellesley Wellesley	
Wells Aurora,	N.Y. 1868 George M. Ward, B.A., M.A., D.D., LL.D. 7

# · CONCERNING COLLEGES · Val. Prop'ty

								Val. Prop'ty
						Co-educa-	oth	Endow't and er Resources
	Bldgs.	Stud'ts	Inst'r	s College Colors	Annual	tional	Tuition	Approx.
1	32	543	63	Light Blue	The Prism	Yes	30	\$721,000
2	19	3,957	292	Maize and Blue	Michiganensian	Yes	40	4,241,000
3	35	3,825	324	Maroon and Old Gold	The Gopher	Yes	40	4,106,000
4	25	1,649	127	Gold and Black	The Savitor	Yes	None	3,268,000
5	4	326	17	Copper, Silver and Gold	The Sentinel	Yes	None	892,000
6	16	1,523	178	Searlet and Cream	The Sombrero	Yes	None	2,054,000
7	12	148	24	Royal Blue and Silver	The Artemisia	Yes -	None	512,000
8	7	165	16	Cherry and Silver	Mirage	Yes	40	102,000
9	16	682	59	Blue and White	Yackety-Yack	Yes	60	791,000
10	8	484	39	Pink and Green	The Dacotah	Yes	None	639,000
11	19	702	52	Gold and Blue	The Dome	No	100	Not reported
12	7	467	32	Crimson and Cream	News Letter	Yes	None	159,000
13	9	415	53	Lemon Yellow	Webfoot	Yes	None	380,000
14	30	2,692	316	Red and Blue	The Record	Yes	200	8,723,000
15	4	345	17	Vermilion	Coyote	Yes	12	509,000
16	14	790	18	Cardinal and Gold	El Rodeo	Yes	62	400,000
17	18	705	92	Orange and White	The Volunteer	Yes	60	1,157,000
18	11	1,072	112	Orange and White	Cactus	Yes	10	1,819,000
19	10	467	43	Royal Purple	Cap and Gown	No	100	1,341,000
20	7	883	41	Crimson and Silver	Annual	Yes	None	918,000
21	12	573	71	Green and Gold	The Ariel	Yes	60	1,738,000
22	17	661	47	Orange and Blue	Corks and Curls	No	75	2,312,000
23	7	707	43	Purple and Gold	Tyee	Yes	None	768,000
24	31	3,192	323	Cardinal	The Badger	Yes	30	3,532,000
25	9 .	280	24	Brown and Yellow	None	Yes	None	425,000
26	20	723	100	Black and Gold	Comet	Yes	95	2,620,000
27	7	347	28	Red and Black	Pandora	No	60	788,000
28	20	308	30	Blue and White	Calyx	No	50	1,435,000
29	20	2,261	218	Myrtle and Maroon	The Hatchet	Yes	150	7,700,000
30	12	332	35	Cardinal and Black	Olla Podrida	Yes	75	2,676,000
31	15	765	153	Red and White	Reserve	Yes	85	4,491,000
32	23	442	35	Royal Purple	The Gul	No	140	2,234,000
33	8	325	16	Cardinal and Cream	None	Yes	50	489,000
34	10	272	34	Crimson and Steel Gray	None	No	150	1,320,000
35	9	834	73	Black and Old Gold	The Index	Yes	45	1,004,000
36	60	2,978	329	Blue	Yale Banner	Yes	155	Not reported
for	22	ome	n					
1	13	445	46	Yellow and White	The Lantern	No	150	2,926,000
2	20	674	57	Light Blue	Llamarada	No	125	1,763,000
3	7	458	98	Red and White	None	No	200	641,000
4	27	1,033	80	White	None	No	100	2,644,000
5	20	932	82	Rose and Gray	Vassarian	No	115	3,171,000
6	15	981	90	Deep Blue	Legenda	No	175	3,073,000
7	6	125	21	Cardinal	The Cardinal	No	100	522,000



Name and Society	Class	Cour	rse	Home Address
Abbe, Roy Hosford	10			Bethlehem, N.H.
Abbe, Roy Hosford Abbott, Arthur Howard Adams, Arthur King, $\Delta \Upsilon$	7	VI	S	200 Walnut St., Clinton, Mass.
Adams, Arthur King, AT	10			24 Grove St., Adams, Mass.
Adams, Elliot Quincy	9	X		36 Emery St., Medford, Mass.
Adams, Franklin Oliver, Jr., B.S., K				Locust Ridge, La.
Adams, Percival Lysander, B.S.	7			Hood River, Ore.
Adams, William Alexander, Φ K Σ	8	Î	9	314 Newbury St., Boston, Mass.
Adler, Leon Meyer				2147 Highland Ave., Birmingham, Ala.
Albro, Robert Clifford	7			377 St. James Ave., Springfield, Mass.
Allbright, Clifford, ΘΞ	9 7 8	IV	8	Highland St., Milton, Mass.
Allen Abbott	10			36 Malvern St., Dorchester, Mass.
Allen, Abbott		I		249 Main St., Spencer, Mass.
Allen, Horace Ethan, $\Delta$ K E	7 8 7 8	ΙÎ		Toledo, Ohio.
Allen, Lawrence, $\Delta$ T $\Delta$	7	Ť	Q	East Freetown, Mass.
Allen, Lawrence Howe	0	Î		40 Avon Way, Quincy, Mass.
Allen Mennier Everett AKE	0	Î		
Allen, Maurice Everett, Δ K E	10			Toledo, Ohio.
Allen, Mitchill	9	TT	0	56 Walnut Place, Brookline, Mass.
Allen, Raynor Huntington, Φ B E	9	11	0	230 Southern Ave., Mt. Auburn, Cincinnati, Ohio.
Alling, Robert Babson	10			245 Washington St., Gloucester, Mass.
Almy, Edward Taber, Jr., ΔΣΦ.	8	III	S	126 Willis St., New Bedford, Mass.
Altamirano, Salvador	9	VI	S	Eliseo 215, Mexico City, Mexico.
Altamirano, Salvador Alvey, James P., Jr., C.E., $\Phi \Delta \Theta$ .	7	- 1	S	1228 Ave. I, Galveston, Texas.
Alvord, Henry Bissell	7	I		South Weymouth, Mass.
Alvord, Henry Bissell		- 1	S	63 Union Ave., So. Framingham, Mass.
Ames, Monroe	8	I		3 Playstead Road, W. Medford, Mass.
Amory, Robert, Jr., A.B.	8	II		Bar Harbor, Maine.
Amsden, Otis William	10			368 Fourth St., So. Boston, Mass.
Anderson, Eugene Stewart	10			259 Central St., Springfield, Mass.
Anderson, Paul George Wilfred .	9	II	S	331 Metropolitan Ave., Roslindale, Mass.
Anderson, Roy Maxwell, A T \O	9			Camborne, B.C., Canada.
Andrews, Frederick Huntoon	7 8 7 8	VI		Manchester, Mass.
Angell, Robert Corson	8	II		512 14th St., So., Fargo, N.D.
Angus, Robert Alexander	7	II	S	110 Oak St., Hartford, Conn.
Appleton, Arthur Benson	8	VI	S	15 Dane St., Beverly, Mass.
Applin, Frank Dexter	9	VI		200 Roxbury St., Keene, N.H.
Arend, Frank Spencer, Φ B E	10	01.55		26 Windsor Road, Waban, Mass.
Arkell, William Clark, ΦΣΚ	10			37 West 11th St., New York City.
Armendariz, Angel Garcia, $\Theta \Xi$	10	VI		Jalapa, Mexico.
Armes, Roland Kingman	10			14 Bloomfield St., Lexington, Mass.
	10			a a morning to the arean Brown interest

Name and Society	Class	Cour		Home Address
Name and Society	10	Cou	rse	
Armstrong, Kenneth Potter		TT		112 Syracuse St., Somerville, Mass.
Arnold, Anthony Brown, A.B.	7	II		Plainfield, Conn.
Arnold, Benjamin Howard, B.S.	7	VI	D	East Greenwich, R.I.
Arnold, Harold Shelton, ΦΓ Δ	10	**		North Abington, Mass.
Atwood, Harry Nelson, Φ B E .	10	II		73 Baker St., Lynn, Mass.
Atherton, Thomas Henry, Jr., A.B., A	$\Psi 9$	IV		Wilkesbarre, Pa.
Austrian, Seligman Bernei	9	I		1714 McCulloh St., Baltimore, Md.
Avery, Forrester Barstow, Δ K E	10			40 Jefferson Ave., Grand Rapids, Mich.
Avery, John, Jr., Φ Γ Δ	10		S	45 Perkins St., West Newton, Mass.
Ayres, Richard Samuel, A.B., B 0 I	I 8	II	S	Pineville, Ky.
Babcock, Alfred Bennett	8	X	S	719 Boylston St., Boston, Mass.
Babcock, Elizabeth Brewer	9	V		102 Crawford St., Roxbury, Mass.
Babcock, John Brazer, 3d	10			11 Downer Ave., Dorchester, Mass.
Rahenek Mahel Keyes A R	8	IV	S	Wellesley Hills, Mass.
Bachmann, Frederick	7	XIII		677 West Baltimore St., Baltimore, Md.
Bailey George William	9	I		128 Huntington Ave., Boston, Mass.
Baker, Benjamin Charles	8	IV		
Baker, Cecil Franklin, 2 N	7	ÎV		Champaign, Ill.
Baker, Frank Adams, Φ K Σ	10	1.4	S	
	7	VI		
Baker, Harold Peters, A.B., $\Delta$ T $\Delta$		II		White Haven, Pa.
Baker, Joseph Mullin	7			27 Clinton St., Watertown, N.Y.
Balkam, Arthur Thomas	0	XIII	O	55 Green St., Jamaica Plain, Mass.
Ball, Edwin Chester	8	VI		
Ballard, Harold Foote	8 8 8 9	I	S	
Bancroft, James Robert	9	XI		671 Grove St., Newton Lower Falls, Mass.
Bangs, Carl Henry	8	II	-	45 Town St., South Braintree, Mass.
Barber, Earl Huntington	7	XI	S	
Barcus, Walter James Emmons, A	r 8	III		215 Madison Ave., Albany, N.Y.
Barker, Clinton Carter	7	I	S	1361 Osgood St., North Andover, Mass.
Barker, James Madison	7	1		61 Henry Ave., Pittsfield, Mass.
Barnard, John Edwin	10			22 Vine St., Winchester, Mass.
Barnes, Albert Johnson, B.S.	8	VI		19 South Park St., Halifax, N.S.
Barnes, John Stetson, AT	8	II	S	414 West Onondaga St., Syracuse, N.Y.
Barnes, Roderic Barbour, Ψ Υ	8	IV	S	316 West 75th St., New York City.
Barnett, Louis	8	VI		480 Tremont St., Boston, Mass.
Barnett, Seymour Foster	9	I	S	196 Cumberland St., Brooklyn, N.Y.
Barnum, Edwards Williams	10	-		Danbury, Conn.
Barry, John Gerald	7	III	8	5 Buffum St., Salem, Mass.
Barton, William Edward	8	I	-	16 Crocker St., Somerville, Mass.
Bartlett, Ralph Lincoln	10			Newburyport, Mass.
	8	T	8	North Reading, Mass.
Batchelder, Charles Leland Batchelder, Ralph Johnson	8	IV	13	16 Vincent St., North Cambridge, Mass.
	10	1.4		51 Elm Ave., Mt. Vernon, N.Y.
Batcheller, George Ellinwood		v		
Batsford, Howard Edwin	8	X		72 Watson Place, Utica, N.Y.
Bayle, Robert Wilfred, Σ X	10			236 Glen St., Glens Falls, N.Y.
Beach, Albert John	10	222		12 Buckingham St., Somerville, Mass.
Beal, John Woodbridge	9	IV		Hanover, Mass.
Beales, Ralph Linwood	10	-		36 George St., Rockland, Mass.
Beam, Charles Willett, A.B.	7	Ī		49 Paulison Ave., Passaic, N.J.
Beckmann, Rafael Adolph	10	I		Parral, Mexico.
Beede, Everett Jefts, A.B	8	II		Hudson, Mass.
Beers, Louis Gilbert, ΦΣΚ	9	X		52 Cedar St., Taunton, Mass.
Behr, Hermann	10		S	Johannesburg, South Africa.
Belcher, Daniel	9	II		Easton, Mass.
Belcher, Frank Kennedy	8	II		11 Otis St., Medford, Mass.
Belcher, George Myron	8	Ĩ		148 Hawthorne St., Malden, Mass.
Belden, Charles Josiah, $\Delta$ T $\Delta$	9	II		5 East 53d St., New York City.
Beliveau, Francis Goodwin, $\Phi \Sigma K$	8		8	21 Grant St., Keene, N.H.
Dentitud, Francis Goodmin, Tark		-	-	will account arrest

Name and Society	Class	Cour	se	Home Address
Bell, Frank Frederick, Σ A E	10			Bristol, Bucks County, Pa.
Bender, Homer Charles	8	I	S	
Bennett, Herbert Hand, ZAE .	9			1 Winchester St., Brookline, Mass.
Bennett, Lewis Cortright	9	VI		5807 Washington Ave., Chicago, Ill.
Bentley, Harry Howe		IV		Oskaloosa, Iowa.
Benton, Carroll Roland	10			356 Belmont St., Manchester, N.H.
Poslinos Edger Maurice	6	TI	S	
Berliner, Edgar Maurice	10	11	D	
Besse, Eldred Edward	8	XIII		10 Cooke St., Fairhaven, Mass.
Besselievre, Arthur Cleborne	9		0	57 Garfield Ave., New London, Conn.
Bettington, Egerton Mitford, X Φ	9	VI	0	Santa Clara, Park Town, Johannesburg, South Africa.
Bicknell, Richard Stuart . :	10			91 Esmond St., Dorchester, Mass.
Bien, Van Tuyl Hart	10	XIII		918 M St., N.W., Washington, D.C
Bigelow, William Walter	7	II		P.O. Box 93, Springfield, Mass.
Billings, Harold Dexter, ΦΓΔ	10			198 Walnut St., Newtonville, Mass.
Bingham, Rutherford	6	VI		300 Mulberry St., New York City.
Bird Viero Edward	8	ΥÏ		7 A Bülowsvei Copenhagen Denmark
Bird, Viggo Edward Bishop, Francis Herbert	9	II	Q	7 A Bülowsvej, Copenhagen, Denmark. 1 Summit Ave., Wollaston, Mass.
Diston Floor Poy	7	· I	S	202 West Hoyd St. Shependoch De
Bitler, Elmer Roy	7	i	0	202 West Lloyd St., Shenandoah, Pa.
Black, Albert Shirley		- 1	S	16 Hanover St., Lynn, Mass.
Black, Henry George Atkinson . Black, Thomas Bass	10	Ш	0	Black Lick, Ohio.
Black, Inomas Bass	9			2101 Jackson St., Sioux City, Iowa.
Blackburn, Henry Washington .	8	II		14 Royal St., Lawrence, Mass.
Blackburn, Henry Washington Blackwell, Victor Joseph Blade, Edward Hubner	8	IV	2	320 Princess Ave., London, Ont.
Blade, Edward Hubner	9	VI		1906 Green St., San Francisco, Cal.
Blair, Fred Page	9	VI		2703 Russell Ave., St. Louis, Mo.
Blake, Aldrich, Φ B E	9	I		91 Jefferson Ave., Grand Rapids, Mich. 184 West Canton St., Boston, Mass.
Blake, Gladys May Elizabeth	9	V		
Blankenbuehler, Rea Edmunds, A.1	B. 9	X		Elizabeth, Pa.
Block, Paul Henry	9	I		42 Rogers St., South Boston, Mass.
Blodgett, Albert Alden, B.S., ΔΣ4 Blodgett, Mildred Eleanor	G	IV		28 Greenville St., Roxbury, Mass.
Blodgett, Mildred Eleanor	6	XII		Brooklyn, N.Y.
Blood, Kenneth Thompson	9	XIII	S	366 Main St., Concord Junction, Mass.
Boardman Wallace Eugene	7	VI		54 Pleasant St., Wakefield, Mass.
Boddie, George, Jr	10	I	S	Hopkinsville, Ky.
Boddie, George, Jr. Boles, Edwin Dexter Bollenbacher, John Carlisle, A.B.	7	H		60 Pleasant St., Marblehead, Mass.
Bollenbacher, John Carlisle, A.B	9	IV		Bloomington, Ind.
Bond, Francis Marvin	8	II		Station E, Baltimore, Md.
Bond, Thomas Davis	10			56 Linden St., Reading, Mass.
Bonillas, Ygnacio Safford		III		Nogales, Sonora, Mexico,
Bonillas, Ygnacio Safford Bonta, Edwin Witthaus Bonvonloir, Lionel	8 7	IV		704 Lodi St., Syracuse, N.Y.
Bonyonloir, Lionel	10			105 High St., Holyoke, Mass.
Booth, Wilfred Edwin		VI		Waterville, Conn.
Booth, Wilfred Edwin Bossong, John Hardy	8 9 8 7 7	IV	S	
Bounetheau, Harold Du Pré	8	XIII	-	Jacksonville, Fla.
Boush, Kenneth Camm	7	II	S	"The Windsor," Washington, D.C.
Bowen, Clarence Allen	7	ÎÎ	~	43 Gates St., Lowell, Mass.
Bowers, George Winthrop	9	Î		359 Westford St., Lowell, Mass.
Powers, George Williamop	10			
Bowers, Ralph Henry	0	I		832 Columbia Road, Dorchester, Mass.
Bowman, Bion Angelo	9 8		Q.	263 West Newton St., Boston, Mass.
Bowman, Donald	9	XI	0	923 West 4th St., Marion, Ind.
Bowman, John Roswell	9	AI	a	Billerica, Mass.
Boyce, John Nelson		11	00	Pleasant Mount, Wayne Co., Pa.
Boyden, Roger Talbot, ΦΣΚ	10	I	0	East Foxboro, Mass.
Boylston, Clifford Hall Boynton, William Wilmot, Φ B E	8			Milton, Mass.
Boynton, William Wilmot, & BE	8	XI	0	130 Oxford St., Cambridge, Mass.
Bradford, Alexander Henry	6	III		Raynham, Mass.
Bradley, John Clement	7	VIII	15	11 Dell Ave., Hyde Park, Mass.

Name and Society	Class	Course	Home Address
Bradshaw, William Henry, B.S.	7	X	De Kalb, Ill.
Bragdon, Charles Ridgaway, A.B.,			De Italio, III.
В Ө П, Ф В К	7	X	1709 Chicago Ave., Evanston, Ill.
Bramhall, Percy Maynard	10		84 Tenth St., Lowell, Mass.
Bremer, Arthur Edmund	8	1	618 Garden St., Hoboken, N.J.
Breyer, Robert Samuel	10	-	Houston, Texas.
Bridgman, Arthur	9	III	88 Burr Oak Ave., Blue Island, Ill.
Bridgman, Grenville Temple, $\Delta \Upsilon$	8	III S	264 Newbury St., Boston, Mass.
Briggs, Ernest Nathaniel	7	XIII	31 Rhode Island Ave., Newport, R.I.
Briggs, Leroy Edmund	10		129 Waverly St., Providence, R.I.
Brock, Lester Wellington	7	VI	496 Cambridge St., Allston, Mass.
Brooks, Austin W	10		Wellesley Hills, Mass.
Brooks, John Cummings, AT	8	II	61 Franklin St., Westfield, Mass.
Brooks, John Nixon, A.B.	9	I	240 West State St., Trenton, N.J.
Brown, Claude Osgood	8	Ĩ	212 Main St., Haverhill, Mass.
Brown, Dallas, Jr	10	-	184 Rockland St., New Bedford, Mass.
Brown, Eugene Le Vert, Jr., ΦΣ K		II S	4438 Delmar Ave., St. Louis, Mo.
Brown, Harold Chester	10	-	82 Bellingham St., Chelsea, Mass.
Brown, Perley Kimball	10		290 Myrtle St., Manchester, N.H.
Brown, Philip Carter, A.B.	8	II	Dover, N.H.
Brownell, Walter Keith	10		62 Pleasant St., Brookline, Mass.
Brunet, Edward Leo	10		11 Moreland St., Roxbury, Mass.
Brush, Reuben Warner	10		Cambridge, Vt.
Bryant, George Henry	6	VII S	4 Lincoln St., Haverhill, Mass.
Buckingham, George Holbrooke .	G	IV	138 Newbury St., Boston, Mass.
Buckler, Riggin, A.B., A Δ Φ	7	IV S	806 Cathedral St., Baltimore, Md.
Bullard, Benjamin	7	VI S	Garden City, Finney Co., Kans.
Bullard, Maurice Lucian	8		Radford, Va.
Bullens, Denison Kingsley	9	III	52 Bennington St., Newton, Mass.
Bundy, Stanton Schofield	9	XI S	620 Carson St., San Antonio, Texas.
Burch, James Merrill, Jr.	8	II	423 West Third St., Dubuque, Iowa.
Burgess, Harry Lancaster	8	VI	1181 Tinton Ave., New York City. 3 Highland Ave., Winthrop, Mass.
Burgher, Stephen Lawrence	9	VI	3 Highland Ave., Winthrop, Mass.
Burhans, Harry Newton, Σ A E	7	Χ .	1423 South State St., Syracuse, N. 1.
Burleigh, William Stover	10		107 West Central St., Natick, Mass.
Burnett, Robert Field	10		69 Eleanor St., Chelsea, Mass.
Burnham, Philip Weeks	10		249 Bacon St., Waltham, Mass.
Burroughs, Mortimer Perry, Σ A E	8	TIL C	263 Newbury St., Boston, Mass.
Burt, Angus Edward, AT	9	III S	24 Market St., Newburyport, Mass.
Burwell, Albert Lewis	7	VS	639 Main St., Winsted, Conn.
Butler, Chester Mateland	6	V 15	Avon, Mass.
Butman, Frederick Carlton	10	S	Holbrook, Mass. Williamsport, Md.
Byron, Edward Joseph	10	XS	Williamsport, Md.
Byron, Walter Harwood	9	VS	109 Commonwealth Ave., Boston, Mass.
Cabot, Samuel, A.B., ΔΨ	9	VS	Cienfuegos, Cuba.
Cacicedo, Luis, A.B.	10	1.0	250 Lexington St., East Boston, Mass.
Cahill, Edward I.	8	VI S	171 Townsend St., Roxbury, Mass.
Cairns, Douglas, $\Phi \Gamma \Delta$ Calder, Horace Walter	8	VI	118 Neponset St., Norwood, Mass.
Caldwell, Walter Evans .	8	II S	1304 2d St., Louisville, Ky.
Calleway Hendley Ross & FA	8	II	Westfield, N.J.
Callaway, Hendley Ross, $\Phi \Gamma \Delta$ . Campbell, Charles Lincoln	9	X	228 Beale St., Wollaston, Mass.
Campbell, Edmund Schureman, B.S.		IV	4 Broad St., Freehold, N.J.
Cannon, William Raynor	10	I	North Hanover, Mass.
Carey, Edward John	10		Percival St., Dorchester, Mass.
Carey, Francis Vincent	7	1	Percival St., Dorchester, Mass.
Carnes, Walter Baldwin, A.B.	9	II S	Lima, Ohio.
Carpenter, Kenneth Earle	8	IV S	287 Pawtucket Ave., Pawtucket, R.I.
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Name and Society	Clas		Home Address
Carson, Charles George, B.S	- 8	IS	
Cartagena, Nicholas Manrique .	9	II S	
Carter, Benjamin Franklin	7	VI S	9 Hawthorne St., Lynn, Mass.
Carter, Harold Leston	8	II	178 Bellingham Ave., Beachmont, Mass.
Cary, Burton Wolcott	8	II	222 Liberty St., Lowell, Mass.
Casey, Frank Augustus	9	II S	Billerica, Mass.
Cassidy, Herbert Arthur Cassino, Leslie Phelps Castelhun, Frederic Karl	8	XIII S	71 Winthrop Ave., Wollaston, Mass.
Cassino, Leslie Phelps	- 8	II	7 Stevens St., Peabody, Mass.
Castelhun, Frederic Karl	10		51 High St., Newburyport, Mass.
Caton, John Hearst, 3d	8	IS	70 Arnold Ave., Edgewood, R.I.
Cenedella, Attilio Horace	8 7	I	50 Lowell St., Somerville, Mass.
Chadwick, John Patten, Φ K Σ	6	III S	330 Main St., Saco, Maine.
Chaffee, Emory Leon	7	VI	109 Pearl St., Somerville, Mass.
Chaffee, Eben Whitney	10		Amenia, N.D.
Chandler, Henry Daland, A.B., A	V 9	IV	105 Morlhom Ct. Dont - M.
Chandler, Harry Stuart	8	X	195 Marlboro St., Boston, Mass.
Chapin, Maurice Scott, $\Theta \Delta X$	100.000		45 Jaques St., Somerville, Mass.
Chapman, Edward Prichard	10	XIII	156 Bowdoin St., Springfield, Mass.
	9	III	1117 Lake Ave., Pueblo, Colo.
Chapman, George Hobart, A T A	7	VI S	58 Eliot St., Jamaica Plain, Mass.
Chapman, Lawrence Boylston	10	S	
Chapman, Laurance Dana	9	VI	Wellesley Farms, Mass.
Chapman, Thomas Garfield	9	III	54 Falmouth St., Boston, Mass
Chase, Edward Sherman	6	XI	740 West Central Ave., Toledo, Ohio.
Chase, Howard Root	7	I	41 Boston St., Malden, Mass.
Chase, Stuart Doane, Φ Γ Δ Childs, John Chauncey, C.E., A T Ω	10		8 Birch Hill Road, Newtonville, Mass.
Childs, John Chauncey, C.E., A T G	8	VI S	300 West 93d St., New York City.
Chinchilla, Pelayo Kirkpatrick	9	I	Casilla 1182, Valparaiso, Chile.
Chipman, Kenneth Gordon	7	III S	39 Putnam St., West Newton, Mass.
Chou, Chu Shen	9	III S	Shanghai, China.
Christensen, Arthur Olaf	7	III S	Beaufort, S.C.
Christiansen, Eugene Olaf	6	IS	15 Dilworth St., Boston, Mass.
Christie, John Anderson	9	v	24 Arnold Place North Adams M
Chuchian, Avedis Melkon	6	i	34 Arnold Place, North Adams, Mass.
Cilley, Jay Wesley	10		Van, Armenia.
Clapp, Chalmers Stevens		IV	814 9th St., N.E., Washington, D.C.
Clapp, Chainers Stevens	8	1.4	169 Boston St., Dorchester, Mass.
Clapp, Dudley	10	W 0	52 Hartford St., Dorchester, Mass.
	8	XS	485 Blue Hill Ave., Roxbury, Mass.
Clark, Dana Wright	7	II S	23 Summer St., Andover, Mass.
Clark, Eldon Saunders	10	1	11 Montague St., Dorchester, Mass.
Clark, Horace Little, YAE.	9	I	Dunbar Hall, Exeter, N.H.
Clark, Lawrence Addison	7	II S	Pontiae, Ill.
Clark, Milton Stanley, AT	8	III S	329 East 4th St., Jamestown, N.Y.
Clatur, George Albert	8	I	Silver Lake, Wilmington, Mass.
Cleverdon, Herbert Squires, $\Delta$ T $\Delta$	10		2207 Andrews Ave., University Heights,
			New York City.
Clifford, Walter Woodbridge .	9	I	60 Oak St., Hyde Park, Mass.
Cloudman, Herbert Cordwell	9	II	806 Adams St., Wilmington, Del.
Cobb, Frank Lewis	10	-	56 Mt. Everett St., Dorchester, Mass.
Coburn, Frederic Gallup		XIII A	322 4th Ave. West Duluth Minn
Cochrane, Clifford Nelson	8	II S	322 4th Ave., West, Duluth, Minn.
Coe, Maxwell Alanson, Φ B E	6		63 Howard St., Melrose, Mass.
Coffin, Charles Wolston, $\Delta$ K E	6 7 8 7		43 Ashland St., Medford, Mass.
Coffin, Langdon, $\Sigma$ A E	0	IS	215 Newbury St., Boston, Mass.
	0	11 8	144 Bellevue St., Newton, Mass.
Coffin, William Balch, A.B.		TA	400 Wainut St., Brookline, Mass.
Cohen, Abraham Saul	8	II	250 Chambers St., Boston, Mass.
Cohen, Samson Kalmon	10		12 Cobb St., Boston, Mass.
Cole, Frederick Arthur	8	I	123 Floral St., Newton Highlands, Mass.
Cole, John Foster	10		456 Broadway, South Boston, Mass.

Name and Society	Class	Cou	rse	Home Address
Cole, Marcus Johnson, A T A	8		S	
Coleman, George Stephen	8		S	
Coleman, Nathan Lindell, YAE .	8			Los Angeles, Cal.
Collingham, Howard	10		~	30 High Rock Way Allston Mass
Collins, Richard Carter	8	II		30 High Rock Way, Allston, Mass. 97 Dexter St., Malden, Mass.
Colson, Chester Simmons	8	Î		15 Bow St., Beverly, Mass.
Colson, Henry Clifford, Jr	9	VIII		Abington, Mass.
Conner, George Cartnell	9	VI		Truro, Nova Scotia.
Connolly, Eugene Leo	0	v		Compillo Moss
Conover, John Woodhull, A.B.	7		S	Caryville, Mass.
Conron, Raymond Francis	9 7 7	I		Norfolk, Va.
Cook, Alton Mace	8	Î	0	402 North Hazel St., Danville, Ill. Hyannis, Mass.
	9	VI		190 Plus Hill Ave. Desham Man
Cook, Hardy Merrill	10	Y.L	S	189 Blue Hill Ave., Roxbury, Mass.
Cook, John Frederick		1		27 Lamartine St., Jamaica Plain, Mass.
Cooke, George Richardson	8	VI		452 Delaware Ave., Buffalo, N.Y.
Cookinham, Edward Furbish		VI		7 Cottage Place, Utica, N.Y.
Coplan, Michael Abram	10	377	a	97 Hampden St., Roxbury, Mass.
Correll, Hugh	8 7		S	1401 North Market St., Canton, Ohio.
Correll, James A., B.S.	7	VI		1030 Laramie St., Manhattan, Kans.
Coupal, Joseph Samuel, Φ Γ Δ	7	III		821 East 4th St., South Boston, Mass.
Courtney, Bernard Freeman	10			32 Dell Ave., Hyde Park, Mass.
Cowen, Everett Russell	7	Ţ		11 Cooke St., Fairhaven, Mass.
Cox, James Alex.	10	I		32 Hemlock St., Roslindale, Mass.
Coye, John Starr, B.S	8	V		Carson, Iowa.
Crane, George Arthur	7	I		13 Charles St., Taunton, Mass. 16 Second St., Taunton, Mass.
Crane, Russell Gilbert	8	IV		16 Second St., Taunton, Mass.
Creecy, Charles Eaton, X Ф	10	I		1515 28th St., N.W., Washington, C.D.
Criswell, Chesney Harrison, A.B.	8		S	Franklin, Pa.
Critchett, James Hamilton, $\Theta \Delta X$	9	VIII		41 Palfrey St., Watertown, Mass.
Crohurst, Harry Rounseville	7	XI	S	12 Reynolds Ave., Chelsea, Mass.
Crommett, Orrin James	9	11		115 Orange St., Chelsea, Mass.
Crosby, Ralph Haskell	7	VI	-	Wakefield, Mass.
Cross, Charles Robert, Jr., A.B., A 4		VI		Upland Road, Brookline, Mass.
Cross, Hardy, A.B., B.S., KA	8	I		Norfolk, Va.
Crossley, Frederick Turner	9	VI		1428 Broad St., Providence, R.I.
Cullimore, Allan Reginald, ΔΣΦ	7	1		77 Montview St., West Roxbury, Mass. 6 Elmwood Ave., Winchester, Mass.
Cumings, George Bradley	10			6 Elmwood Ave., Winchester, Mass.
Cumings, Paul Leander	7 7	IV		41 Atlantic Ave., Fitchburg, Mass.
Curl, Charles Matthew	7	XIII		Tilton, N.H.
Curran, John Frank	- 8	VI	S	Pond St., Nahant, Mass.
Curtis, Allen	10			132 Centennial Ave., Gloucester, Mass.
Curtis, Arthur Harrison	10			72 Centennial Ave., Revere, Mass.
Cushing, Richard Watson	8	VI		Cohasset, Mass.
Cushing, Walter Burgess	10			108 Walpole St., Norwood, Mass.
Cutten, Leverett Howell	7	II	S	519 Columbus Ave., Boston, Mass.
Daddow, Samuel Harries, A.B.	8	II	S	St. Clair, Pa.
Daley, Mitchell Joseph, OX	8	III	S	69 Maple St., Marlboro, Mass.
Damon, Henry Hyman, A.B.	8	I		63 Allen St., Boston, Mass.
Dana, Allston, A.B.	8	I	S	113 Brattle St., Cambridge, Mass.
Daniels, Prof. Francis Ezekiel,				
A.B., A.M.	7	VII	S	Baltimore, Md.
Dar Juan, Timoteo, Ph.G.	9			Polo, Philippine Islands.
Darling, Maude Frances	7	IV	15	59 Highland Place, Fall River, Mass.
Darrow, Burgess	10	-		22 Sargent St., Dorchester, Mass.
Davidson, Stephen Lock, ΣAE.	7	I		1326 N. Lawrence Ave., Wichita, Kans.
Davies, Arnold Chaplin	10			Box 286, Georgetown, Mass.
Davis, John Allen	7	III	8	Sioux City, Iowa.
Davis, John Francis	9	II		116 Upland Road, Cambridge, Mass.
The second secon				Pania riona, camonage, mass.

Name and Society	Class	Course	e	Home Address
Davis, Lawrence Ritchie, B.S., Σ A		III 8		Kingston, Ohio.
	10	V		258 Westville St., Dorchester, Mass.
Davis, Luther	8	VI.	,	18 Summer St., Augusta, Maine.
	8	VI		913 East Kenys Ave., Watertown, S.D.
Davis, Rae Willard, A.B	6	Ϋ́Ι		10 Partlett St. Charlestown Mass.
Davol, Walter Dodge, θ Δ X	9	ΥÏ		19 Bartlett St., Charlestown, Mass.
Dawes, Chester Laurens		ΥÎ		129 Appleton St., Arlington Hts., Mass. 78 Winthrop St., Taunton, Mass.
Dean, Arnold Truman	8			Wassels D. Taunton, Mass.
Dean, Carroll Sisson	9	VI		Waverly, Pa.
de Golyer, Anthony Gordon		III 8		Denver, Colo.
DeLoach, John Keller	8	XIII 8	9	Atlanta, Ga.
Dempwolf, Frederick Germain, ⊕ Ξ	7	IV		701 South George St., York, Pa.
Denmark, Clayton Rhay, KA	6	II S		Quitman, Ga.
Dennedy, James Howard, AT	8	II 8	9	78 Pitcher St., Detroit, Mich.
Dennett, Kingsley Winsor	10	VIII		166 Bellevue St., West Roxbury, Mass.
Denny, Maurice Edward, X Φ .	8	XIII		Cardross, Scotland.
Devlin, Philip Albert, A.B	10		3	3535 St. Charles Ave., New Orleans, La.
Dew, William John Granville .	10		5	48 Tennyson St., Boston, Mass.
Dewey, Bradley	9	II S	5	27 Everett St., Cambridge, Mass.
Dewey, Frederick Archibald, Λ Φ	9	II		505 West 122d St., New York City.
Dexter, Gregory Mumford	8	I		14 East Manning St., Providence, R.I.
Dickerman, Alton Leslie, Jr., $\Delta$ K E	9	III		814 North Tejon St., Colorado Springs.
Dickinson, James Walter, Σ X	9	VI 8		163 Kent St., St. Paul, Minn.
Dickinson, Leon Arthur	7	III S	5	45 Partridge Ave., Somerville, Mass.
Dickson, Victor Heyle, A.S., ΘΞ.	7	II		1411 Knoxville Ave., Peoria, Ill.
Dill, Colby, A.B., B.S., Φ B E	G	V		460 Commonwealth Ave., Newton Centre, Mass.
Dillon, Robert Emmett	10			Belchertown, Mass.
Doane, Robert Edward, B.S.	8	VI		404 Hoffman St., Elmira, N.Y.
Doble, Charles French, $\Delta \Psi$	10	II		24 South St., Quincy, Mass.
Dodge, Parker Van Patten	7	H		134 B St., N.E., Washington, D.C.
Dodge, Robert Lincoln	10			Box 44, Wenham, Mass.
Doherty, Harry Vincent	8	I		6 Fairview St., Dorchester, Mass.
Dole, Howard Hawes	9	I S		4 Walker St., Portland, Maine.
Dolke, William Frederic, Jr.	8	IV S		105 Gainsboro St., Boston, Mass.
Donnewald, Albert Henry, A.B., A7	7	III S		3709 Finney Ave., St. Louis, Mo.
Dorsey, Thomas Francis	6	I		93 Clarkson St., Dorchester, Mass.
Dort, Joseph Cummings	9	I		22 Hawthorne St., Providence, R.I.
Douglass, Arthur Sylvester, Φ N θ	7	I		164 Harvard St., Brookline, Mass.
Dow, Benjamin Warren	9	II		7 Standish St., Dorchester, Mass.
Dow, Leander A., A T Ω	10			Spokane, Wash.
Downey, Fredrick Aloysious .	10	8	š	West St., Hyde Park, Mass.
Downs, Loren Noxen, Jr	10			33 Clarendon St., Boston, Mass.
	8	VI S	3	136 Smith St., Lowell, Mass.
Drake, Raymond Edward	8	V		75 Glenwood Ave., Brockton, Mass.
Draper, Clifton Nathan, A T Ω .	7	VS	š	108 River Ave., Norwich, Conn.
Draper, Harry Reed	7	I S		Ayer, Mass.
Drew, William Noel	10	-		201 Magnolia St., Roxbury, Mass.
Druley, Waldo Putnam	7	XIII A		Belpre, Ohio.
Dubois, Gustavo Adolfo	7	I	•	Matanzas, Cuba.
Dudley, Carl Chester	10			63 Highland Ave., Cambridge, Mass.
Duffield, William Howard, ZAE	10	8		160 Aberdeen Ave., Hamilton, Ont.
Dun, Henry Walke, Jr., ΔΨ	8	IS		174 Chestnut St., Albany, N.Y.
	7	III		90 Walton Park, Melrose Hlds., Mass.
Dunkel, Charles Alexander	9	II		14 Cohasset St., Roslindale, Mass.
Dunnington, Francis Howison, A.B.				11 Comment Dry Hostindaic, mass.
Σ A E	9	VI		University Station, Charlottesville, Va.
Dunlap, Chester Dwight	10			40 Summer St., Everett, Mass.
Durgin, Matthew Francis	9	VI S	,	157 Mt. Auburn St., Cambridge, Mass.
	-			and the same of th

Name and Society	Class	Course	Home Address
Dyer, Kirk Worrell	7	XS	261 North Madison Ave., Pasadena, Cal.
Dyer, Ralph Leighton	6	XIII	Winchester, Mass.
Dyer, Sterling Burton	10		116 Winter St., Portland, Maine.
Eames, Herbert Seton	8	II	39 Lincoln St., So. Framingham, Mass.
Eastman, Guy Warner, B.S.	G	VIII	30 Pratt St., Allston, Mass.
Eaton, Charles Albert	7	II	62 Taylor St., Waltham, Mass.
Eaton, Harold Irving	9	XI	62 Taylor St., Waltham, Mass. 62 Taylor St., Waltham, Mass.
Eaton, Warren Moseley	8	II S	40 Appleton St., Waltham, Mass.
Edge, Alan Francis	8	VS	79 Milton St., Readville, Mass.
Edmonds, Charles Ashton	8	II	156 Woodland St., Lawrence, Mass.
Egan, Seymour Joseph	7	XIII	223 Seymour St., Syracuse, N.Y.
Eisenhart, Martin Herbert, B.S.	8 8 7 7	X S	313 West Market St., York, Pa.
Elbert, John Jacob, X 4	9	X S	1030 21st St., Des Moines, Iowa.
Elder, Flint Cummings, A T Ω	7	V S	52 Maple St., Malden, Mass.
Elder, Gordon Wyman	10		52 Maple St., Malden, Mass.
Elliott, Montgomery	10		169 Main St., Salt Lake City, Utah.
	9		30 Ellsworth Ave., Cambridge, Mass.
Ellis, A., $\Phi$ K $\Sigma$ Ellis, Leslie Burton	8	I	34 Essex St., Melrose, Mass.
Ellis, Ridsdale	9	VIII	120 Regent Road, Leicester, England.
Ellsworth, John Thayer, ΔΣΦ	8		Peterboro, N.H.
Elton, Herbert Charles, A T \( \Omega \)	8	I	105 King St., Dorchester, Mass.
Elwell, Henry Reed, $\Delta$ K E	10		South Weymouth, Mass.
Emerson, George Irving	9	XI	75 Concord St., Haverhill, Mass.
Emerson Coorge Stone	10	S	40 Irving Ave., Providence, R.I.
Emerson, George Stone	7	III S	
Emilio, Shepard Gilbert Enneking, Norbert Bernard, A.B.			2935 Hackberry St., Cincinnati, Ohio.
	8	V	101 Evans St., Dorchester, Mass.
Esten, Paul Albert	6	II	277 Princeton St., East Boston, Mass.
Evans, Ernest Cleveland	7	ΥÏ	1310 South 14th St., Denver, Colo.
Evans, John, X $\Phi$ Everett, Charles, A.B	7	IV S	42 Parker St., Newton Centre, Mass.
Everett, Charles, A.D.	8	VIS	Georgetown, Mass.
Everett, Wilbur Everett, William Dexter	10	41 0	19 Park St., Dorchester, Mass.
Everett, William Dexter	8	III S	3517 Pine St., St. Louis, Mo.
Ewing, Charles Goodman, A.B. Faben, Charles Reed	7	XS	43 Summit Ave., Brookline, Mass.
	7	II	7 Haley St., Roxbury, Mass.
Fales, Otis Gerry Falkenberg, Percy Abram	10		84 Coolidge St., Brookline, Mass.
Fallon, John Tiernan, Φ K Σ	7	IV	357 West King St., York, Pa.
Fanning, Paul Revere, $\Sigma X$	8	III S	Lexington Hotel, Boston, Mass.
Farrington, Harold Phillips, Φ K Σ		I	56 Bellevue St. West Roxbury, Mass.
Faulkner, Frederick Richardson, A.		Î S	Sackville, New Brunswick.
	9	III S	
Faulkner, Richard	8	II	Randolph, Mass.
Faxon, flavored Cushing .	8	XS	1507 Rusk Ave., Houston, Texas.
Fay, Thornwell, Jr., B.S. Fellows, Raymond Henry		IS	113 School St., Concord, N.H.
Fenner Jemes Howland	6	VI	421 Friendship St., Providence, R.I.
Fenner, James Howland Ferguson, William Craig, A T Ω	9	II	34 Crandall St., Adams, Mass.
Fernald, Paul Edmunds, $\Phi K \Sigma$	8	III S	Wilmette, Ill.
Fernandez, Richard Osborne.	***	0	33 Robinson St., Somerville, Mass.
Fernandez, Richard Osborne. Fernstrom, Karl Dickson, $\Theta \Delta X$ .	10		315 Raleigh Ave., Norfolk, Va.
Fernandi Amadaa Lauis Sulvester	8	I S	
Ferrandi, Amedeo Louis Sylvester	8	í	Windsor Road, Waban, Mass.
Ferris, Raymond West	8	VII S	Pittsfield, Mass.
Ferry, Lewis Kinsley	9	II	7411 Commonwealth Ave., St. Louis, Mo.
Fick, William George		VI	240 Chestnut St., Clinton, Mass.
Finnie, James Irving Fisher, Charles Willis, Jr., M.S., X	Φ C	XIII A	
Eisher Howard Colburn	9	H	High St., Westwood, Mass.
Fisher, Howard Colburn	8	XIII A	
Fitch, Edwin Oberlin, Jr.	10		213 Sheppard St., Penn Yan, N.Y.
Fitzwater, John Moxcey	10		was suchfarn will a sun want site.

Name and Society	Class	Cour	se	Home Address
Flagg, Montague, $\Delta \Psi$	9	IV		90 Washington St., Hartford, Conn.
Flaherty, Hubert William, OX .	8		S	Cheshire, Mass.
Flanders, Jesse Knowlton, A.B.	8	VI		
Flanders, Jesse Knownton, A.B	0	VI	0	Franklin, N.H.
Fleming, Cornelius Simmons, Jr.,	1000	200		
B.S., 0 N E	7	X		Crafton, Pa.
Fleming, Paul Reed, ΘΔX	10			Natick, Mass.
Fletcher, Charles Barrows, ΦΣΚ.		II		2825 N. Meridian St., Indianapolis, Ind.
Fletcher, Herbert Lawrence	7	VI	S	57 Abbott St., Lawrence, Mass.
Fletcher, Matthews, ΦΣΚ	9	II		2825 N. Meridian St., Indianapolis, Ind.
Fogg, Benjamin Greely	7	Ī		22 Toppan St., Newburyport, Mass.
Folsom, Rufus Coffin, ATA.	6	X		20 Femond St. Dorokaster Mass.
	8		Ø.	30 Esmond St., Dorchester, Mass.
Folsom, William Cumner	0	$\Delta 1$	0	95 Sewall Woods Road, Melrose High-
Time to the time Title			-	lands, Mass.
Foote, Arthur John			S	564 Elm St., Pittsfield, Mass.
Ford, Winthrop Drew	- 8	II		Kingston, Mass.
Forrest, Laurence Raymond	9	X		90 Henry Ave., Lynn, Mass.
Foss, Marion Henry, AT	8	III	S	4625 Lake Ave., Chicago, Ill.
Foster, Carl Elmer	9	II		Ashby, Mass.
Foster, Forest Kent			-	North Calais, Vt.
Foster, Harold Francis	9	XI		19 Electric Ave., West Somerville, Mass.
Foster, Winfield Ulric, Σ X	10	22.1	S	
Fottler Lead Alexa		377		236 Technology Chambers, Boston, Mass.
Fottler, Jacob Alger	.8	VI	0	62 Alden St., Brockton, Mass.
Fox, Harold Robert Leslie	10			Jamaica, B.W.I.
Frame, Harry Allan	6	III		Rockland, Mass.
Frank, John Mayer	7	VI		310 North Pearl St., Natchez, Miss.
Franks, Fred Lester	8	I		Medfield, Mass.
Freed, Charles	9	1		88 Willow St., Cambridge, Mass.
Freedman, Louis Arthur		11	8	135 West 86th St., New York City.
Freethy, George Edwards, Λ Φ	8	II	8	44 Harrison St., Brookline, Mass.
12 1 Th 13 4 1	4.00	11	S	172 Fairmount Ave., Hyde Park, Mass.
TO I T I ON T	10.00		0	
French, Louis Osborne, $\Delta$ T $\Delta$		WIII		1216 Grand Ave., Milwaukee, Wis.
Fretz, Paul Henry, Σ X Frey, Victor Max, A.B		AIII	A	201 12th St., Milwaukee, Wis.
Frey, Victor Max, A.B	8	111	8	133 North Beaver St., York, Pa.
Friedman, Ferdinand J	8	11	S	18 East 92d St., New York City.
Friedman, Ferdinand J. Friend, Frank Waldo, $\Theta Z$	6	IV	S	Duxbury, Mass.
Frost, Harwood Young, Φ B E	9	H		Lincoln St., Waltham, Mass.
Fuller, Archibald Prescott	7	I		East Milton, Mass.
Fuller, Bernard Roy	-	I	S	The Irvington, Central Park West, New
				York City.
Gale, Roger David	7	V		6 Franklin Square, Gloucester, Mass.
Gale, Roy Fellows	7	VI	Q	Pittsfield, Mass.
Gallagher, James Thomas	8	II		
Gallegos, Ramon		11	0	79 Lancaster St., Leominster, Mass.
Canegos, Kamon	10	***	0	Guayaquil, Ecuador.
Gammons, Clifford Warren	7	VI		1290 Washington St., W. Newton, Mass.
Garcia, Francisco	7	1	S	Salud, 8, Havana, Cuba.
Gardner, Arthur Livermore, $\Phi \Gamma \Delta$	8	X		86 Pleasant St., Wakefield, Mass. 13 Warren St., Peabody, Mass.
Gardner, Chester Warren	7	VI	S	13 Warren St., Peabody, Mass.
	9	II		28 Brooks St., West Medford, Mass.
Gardner, Harold	7 9 7 7 7 8	Ĩ		135 Oxford St., North Cambridge, Mass.
Gates, Warren Austin	7	IV		Coxsackie, N.Y.
Gaylord, James Mason	7	VI		
Caylord John Clarence D S			0	146 Terrace Drive, Pasadena, Cal.
Gaylord, John Clarence, B.S.		VI	0	146 Terrace Drive, Pasadena, Cal.
Gaynor, Keyes Christopher	9	1		609 Center St., Sioux City, Iowa.
Gegenheimer, Ralph Edwin				243 Bruce St., Lawrence, Mass.
Genoud, Ernest George	8	V		4181 Washington St., Roslindale, Mass.
Gerrish, Herbert Thurston, Λ Φ .	8	I		20 Farwell St., Melrose Highlands, Mass.
Gerrish, Herbert Thurston, $\Lambda \Phi$ . Gianella, John, Jr	8	X		608 Fifth St., Brooklyn, N.Y.
Gibbons, Charles Alphonsus, Jr	8	III		33 Plain St., Taunton, Mass.
				oo a min ton, addition, mass.

Name and Society	Class	Course	Home Address
Gibbs, Daniel Wilson	. 9	IV	51 Harris St., Waltham, Mass.
Gideon, Samuel Edward	. 6	ÎV S	
Gidley, Henry Tucker	. 9	IS	
Cifford Relab Steples BS	G	v	560 County St., New Bedford, Mass.
Gifford, Ralph Staples, B.S.		XI S	1904 Powle Asso, Minnoapolia Minn
Gilbert, Royce Wheeler, Σ A E	. 8		
Gilkison, Gordon Mercer, Σ A E	. 8	I S	802 West Genesee St., Syracuse, N.Y.
Gimson, Basil Loviband,	. 8	II	20 Glebe St., Leicester, England.
Ginzberg, Abram Henry .	. 9	IV	24 Montrose St., Roxbury, Mass.
Given, William Barns, Jr., X Φ	. 8		Columbia, Pa.
Glancy, Robert Clifford	. 9	VI	53 Cushing St., Waltham, Mass.
Glasier, Arthur Franklyn, ΘΔX	. 10		25 Bainbridge, St. Roxbury, Mass.
Glazier, Harold Metcalf	. 9	IV	12 Lincoln St., Hudson, Mass.
Glover, George Thummel, Δ Ψ	. 8	II	Grand Island, Neb.
Godfrey, Karl Davenport .	. 9	VI S	46 St. James St., Roxbury, Mass.
Goldenberg, Edward Benjamin	. 10		391 Meridian St., East Boston, Mass.
Gonder, Walter Brayton, A T Ω	. 7	VS	Strasburg, Pa.
Goodman, Lynn Sumner, Ph.B.,		VI S	Loganton, Pa.
Goodnow, Frank Edward, OX	. 7	VI S	Forest Park, Adams, Mass.
Goodspeed, George Edward, Jr.			27 Conway St. Roslindale Mass.
Goodwin, Richard Frederic, Jr., A		8	27 Conway St., Roslindale, Mass. 24 River Ave., Norwich, Conn.
Goomrigian, Bedros Martyros	. 10		319 Columbus Ave., Boston, Mass.
Gott, Herbert Sidney	. 10		Skibbereen, Ireland.
Gould, Allen Adams	. 10		1206 Boylston St., Newton Upper Falls,
Gould, Allen Adams	. 10		Mass.
Gould, Gardner Sabin	. 7	I S	3 1206 Boylston St., Newton Upper Falls,
Gouldy Statement Statement Statement			Mass.
Gram, Carl William, $\Delta T \Delta$ .	. 9	X	20 Kemper St., Wollaston, Mass.
Gray, George Harrison	. 9	VI	159 Pleasant St., Arlington, Mass.
Green, Fred Mortimer, $\Delta \Upsilon$		VI	488 Watertown St., Newtonville, Mass.
Green, William Duncan	. 9	I	72 Macon St., Brooklyn, N.Y.
Greene, Albert Edwards, A T $\Omega$	. 6	VIII	St. Louis, Mo.
Greene, Charles Edward	. 10		42 Parkman St., Dorchester, Mass.
Greene, Elbert Daniel, A T $\Omega$	. 10		Pueblo, Colo.
Greene, John Francis, A.B	. 8	I	50 Thomas Park, South Boston, Mass.
Greenwood, Phil Prescott .	. 7	VI	54 Brackenbury St., Malden, Mass.
Gregory, Newman Ballard, ΘΔΣ	8 . 7		8 802 Wall St., Joplin, Mo.
Griffin, George Appleton .	. 8	I	2007 Kalarama Ave., Washington, D.C.
Griffin, Wheaton Ira, Δ K E .	7	Ĩ	3 West St., Utica, N.Y.
Griswold, Harold Wiley, A T Ω	. 7	Î	95 Huntington St., Hartford, Conn.
Groff, James Stephen	. 6		3 18 Meeting St., Newport, R.I.
Grübnau, Victor Carl, A T Ω	. 8	III	Wyncote, Montgomery Co., Pa.
Grunsky, Eugene L., A T Ω .	. 8	I S	
Cuilford Irving Moreo	. 7	VÎ.	West Cheshire, Conn.
Guilford, Irving Morse	. 6		S Calcutta, India.
Gupta, Birendra Chandra	. 8	X	196 Trenton St., East Boston, Mass.
Gurney, Harold Peaslee		Δ	
Guthrie, Seymour Ashley	. 10	II S	Riverside, Ill.
Haas, Ludwig Friedrick Carl, O	Ξ 8		41 East Orange St., Lancaster, Pa.
Hagar, Fred Dean Hagood, Lee, B.S., X Φ	. 10	777 6	3 14 Washington Place, Peabody, Mass.
Hagood, Lee, B.S., X Φ .	. 7	VI 2	8 1425 Marion St., Columbia, S.C.
Hague, Alfred	. 10		52 East 66th St., New York City.
	. 7		Chestnut Hill Ave., Brookline, Mass.
Hale, Henry Appleton, Jr	. 10		24 Winter St., Salem, Mass.
Hale, James Ellis	. 8	II	112 Oak St., Manchester, N.H.
Hale, Joseph Woodwell Ledwidg	ge 8	VI	20 Marlborough St., Newburyport, Mass.
Hale, Philip Jewett Hall, Carl Albe	. 8	I	1433 Downing Ave., Denver, Colo.
Hall, Carl Albe	. 8	II	Concord, N.H.
Hall, Edwin Rymes	. 8	II	182 Summer St., Somerville, Mass.
Hall, Harry Rutledge	. 7	1	770 Broadway, South Boston, Mass.

Name and Society	Class	Course	Home Address
Hall, Malcolm Bridges	10		141 Lexington St., Waverley, Mass.
Hall, Sherwood, Jr	8	II S	250 S. Lafayette St., Grand Rapids, Mich.
Hallett, Lucius Felt, X 4	7	VI S	900 Logan Ave., Denver, Colo.
Hamill, Edward William, A.B., Φ Δ		IV	Belleville, Ill.
	9	VIII	925 South St., Roslindale, Mass.
	9		Clark Block, Butte, Mont.
Hammond, Benjamin Hammond, James Clement	8	III	3 So. Fairview St., Roslindale, Mass.
Hammond Valean Simpson	8	III	Clark Block Butta Mont
Hammond, Nelson Simpson	8	IS	Clark Block, Butte, Mont.
	0	1.5	15 Highland Park, Newtonville, Mass.
Hamner, Edward Chambers, Jr.,	C	VIII A	Washington D.C.
AT O		XIII A	Washington, D.C.
Hampton, Lawrence Charles .	7	III S	Hollywood, Cal.
Handy, Percy Lawson, Φ K Σ	8	VI	75 Bloomfield St., Dorchester, Mass.
Hanford, Jesse Warren Griggs .	7	II	Santa Barbara, Cal.
Hanington, Thomas Ross	8	VI S	119 Union St., St. John, N.B.
Hanna, Elias Samman	9	IS	Tanta, Egypt.
Harcourt, Guy Nichols, ΦΣΚ		S	Wappingers Falls, N.Y.
Harding, Arthur Leslie	10		945 South St., Roslindale, Mass.
Hargraves, William Burton			7 Eliot Place, Jamaica Plain, Mass.
Harlow, John Brayton, ΦΣΚ	7	VI S	St. Louis, Mo.
Harriman, Daniel Francis	8	XIII S	West Boxford, Mass.
Harrington, Charles Anthony .	8	XIII A	583 Plymouth Ave., Fall River, Mass.
Harrington, Marguerita	9	IV S	57 Orchard St., Jamaica Plain, Mass.
Harrington, Walton George, Φ Γ Δ	10	IV	Larchmont, N.Y.
Harris, Maurice Ernest	10		62 Lincoln St., Lowell, Mass.
Harris, Nathan	8	I	297 Fargo Ave., Buffalo, N.Y.
Harris, Philip Thomas	10		142 South Main St., Orange, Mass.
Harrison, Henry Norris, ΔΥ	4.49	II	2028 Locust St., Philadelphia, Pa.
Harrub, Calvin Nelson	9	XI	Silver Lake, Mass.
Hart Philip & R.E.	10	222	444 21st St., Portland, Ore.
Hart, Philip, $\Phi$ B E  Hartman, Ira Samuel  Hartshorn, Derick Sibley  Hartwell, Arthur Edward	9	VI S	
Hartshorn Dariek Sibley	9		75 Clarkson St., Dorchester, Mass.
Hartwell Arthur Edward	7	II	1217 Webster Ave., Houston, Texas.
Harwood, Julian Herbert Hunter	8	ï	Marion, Mass.
	Ğ	ΙŶ	
Haskell, Fitch Harrison, A.B., B.S.			Ashtabula, Ohio. Claremont, N.H.
Haskell, Robert Francis	8 7 9	I	Walpole, N.H.
Hastings, Hudson Bridge, Φ Γ Δ .	ó	VI S	
Hastings, Russell, Φ Γ Δ	7		Walpole, N.H.
Hastings, Warren		III	Lancaster, N.H.
Hatch, Samuel Frink Hathaway, Joseph Wood	8		Greenland, N.H.
Hathaway, Joseph Wood	8	VI	7 Prospect St., Middleboro, Mass.
Hatton, John Matthews, X Φ	9	IV S	954 West 16th St., Des Moines, Ia.
Havens, Harry Lucas, Φ B E	9	XI	647 Brooklyn Ave., Kansas City, Mo.
Hayes, Matthew Cowden, B.S.,		*** 0	n
Ф В Е	8	VI S	Lewisburg, Pa.
Haynes, Delos Garriott	9	VI	424 N. 11th St., East St. Louis, Ill.
Haynes, George Allison	9	VII S	
Hayward, Marden Warner, S.B.	6	XII	233 Goffe St., Quincy, Mass.
Hayward, Roy Loring	10		South Easton, Mass.
Healy, Leon James Dyson	9	VIII	232 Maple St., New Britain, Conn.
Heard, Edmund Francis, Ψ Υ	8	XIII	The Huntington, Kingston, N.Y.
Heard, Frank Chisholm	9	III S	14 Milton Road, Brookline, Mass.
Heath, Arnold Winchester	8	I S	71 Harvard Ave., Allston, Mass.
Hedge, Lafayette Boyd	8	VI	Citronelle, Ala.
Heidelberg, Frederick Martin		II	1417 Pease Ave., Houston, Texas.
Heilman, William Roy, Φ B E	8	ÎÎ	1105 South 2d St., Evansville, Ind.
	57.0	3.50	

Name and Society	Class	Cours	ie.	Home Address
Heimer, Paul Harold	8	III		498 Norfolk St., Mattapan, Mass.
Heinle Henry Schumann VV		111		
Heink, Henry Schumann, EX	10			Singae, N.J.
Hemmenway, Lawrence Todd .	10			41 Monadnock St., Upham's Corner,
Handaman Austin Drawn	0	т.		Boston, Mass.
Henderson, Austin Brown	9	I		65 Dodge St., Beverly, Mass.
Henderson, Stuart Llewellyn	10		-	90 Erie St., Dorchester, Mass.
Henius, Emil Theodore	6		S	2576 Magnolia Ave., Chicago, Ill.
Hennen, Robert David, ΦKΨ, TNE	7		S	Morgantown, W. Va.
Herold, Armin Ferdinand	9		S	3167 So. Jefferson Ave., St. Louis, Mo.
Hersey, Ira Grover, Jr	8		S	Hingham, Mass.
Hershey, Ben., A.B.	8	I	S	609 Ave. B, Sterling, Ill.
Heydon, Joseph Kentigern, Σ A E	7	VIII		
Hibbard, Charles	9	XIII	S	304 Potter Ave., Providence, R.I.
Hield, Clifford Chase, $\Phi \Gamma \Delta$ .	10		8	1674 Hennepin Ave., Minneapolis, Minn.
Higbie, Hamilton Alexander	10			Hillview, Jamaica, N.Y.
Higgins, John Joseph	4.6			1199 Magnolia Ave., Los Angeles, Cal.
Hill, Frank Herbert	10	I		13 Walnut St., Canton, Mass.
Hinckley, Arthur Thacher	8	v		16 Sherwood St., Roslindale, Mass.
Hinds, Horace Sargent, $\Delta$ T $\Delta$	10	*		61 Kirkstall Road, Newtonville, Mass.
Hodges Frank Francet	10			151 Arlington St. Hydo Park Mass
Hodges, Frank Ernest	10 10	TIT	d	151 Arlington St., Hyde Park, Mass.
Hodgkinson, Harold Howe		III		1092 East Madison Ave., Cleveland, O.
Hodsdon, George Edward	9	Ш	0	16 Chapel St., Gloucester, Mass.
Holbrook, John Alden	10		CX	56 Crescent Ave., Dorchester, Mass.
Hollender, Carl Edwin, A.B.	8	I	S	38 Western Ave., Brattleboro, Vt.
Holliday, Lewis Jackson	9	IV	8	Laramie, Wyo.
Hollingsworth, Herbert Sanders, .				
ΔΤΔ	9	VI	S	Marion, Ind.
Holmes, Bradford Buttrick, ΔΨ.	7	III		San Francisco, Cal.
Hooker, Francis Brewster, Jr., Δ Υ	10	11	S	264 Newbury St., Boston, Mass.
Hoole, Henry William	8	II	8	54 Norway St., Boston, Mass.
Hooper, Edward Joseph	9	III	S	40 Park St., Stoughton, Mass.
Hooper, Frank William	8	IV	S	101 Hyde Park Ave., Forest Hills, Mass.
Hopkins, Prince Charles, Ph.B.	8	II		Santa Barbara, Cal.
Horne, Ralph Warren Hosea, Raphael Gay, Σ X	10			209 Salem St., Malden, Mass.
Hosea, Raphael Gay, Y X	7 7	I	S	1337 Humboldt St., Denver, Colo.
Hosmer, Herbert Buttrick	7	VI		Concord, Mass.
Howard, Herbert Seymour	8	XIII		
Howe, Clarence Decatur, A T Ω	7	Ī		43 Stearns St., Waltham, Mass.
Howe, Edward Somerset	9	VÎ		Kingston, Mass.
Howell, William Robert	10	7.4		97 Walnut St., Neponset, Mass.
Howland, Harold Howard	8	T	S	Westdale, Mass.
Horst Honey Power DS 4 TO	7	Ť	s	
Hoyt, Henry Percy, B.S., A T Ω	6	VII	0	Fort Fairfield, Me.
Hoyt, Robert Nelson	7			40 Oak St., Hyde Park, Mass.
Hubbard, Carleton Waterbury, Z Ψ		H		245 Greenwich Ave., Greenwich, Conn.
Huber, Berthold Convers	10			24 White St., Taunton, Mass.
Huckins, Albert Kimball, $\Phi \Gamma \Delta$ .	10	***		6 Wilbur St., Dorchester, Mass.
Hudson, Ralph Gorton	7	VI		175 East Haverhill St., Lawrence, Mass.
Huerdler, Erich George	10	- 0		32 Trinity Place, Buffalo, N.Y.
AATEMICO, AAOTHOO, ILLIAN	9	I		Charleston, S.C.
Hull, Andrew Wilmer, A.B.	7	XIII	S	
Hulsizer, Robert Inslee	9	VI		27 Beach St., Bridgeport, Conn.
Hunt, Eugene Alexander, A T $\Omega$	9	II	S	Walla Walla, Wash.
Hunt, Franklin Livingston	8	VIII		19 Howard St., Waltham, Mass.
Hurley, Frederick Aloysius	10			118 Border St., Dedham, Mass.
Hussey, Clarence Loring	8	II		33½ Benefit St., Providence, R.I.
Hutchins, Charles Morton, Θ X	6	III	S	Rockland, Mass.
Hutchins, Guy Severns	10		150	Mt. Globe St., Fitchburg, Mass.
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N	en.		
Name and Society	Class		Home Address
Hutchinson, B. Edwin, $\Delta T \Delta$	9	III	7419 Monroe Ave., Chicago, Ill.
Hyde, Russell Taber	8	IV	33 Harris St., Waltham, Mass.
Hynes, John Joseph, Jr., A.B.	9	18	838 Auburn Ave., Buffalo, N.Y.
Iasigi, Oscar Anthony	8	VI S	
Inglee, Robert	9	II	Westdale, Mass.
Inouye, Tora	9	VI S	
Jaccard, Frederick Constant .	7	III	2914 Campbell St., Kansas City, Mo.
Jackson, Alexander Freeman .		II	22 Congress St., Milford, Mass.
Jackson, Elwell Ransom	10		841 East State St., Trenton, N.J.
Jackson, Frank	6	VI S	88 Marlboro St., Boston, Mass.
Jackson, Ralph Templeton Cushman			
B.S.		IV	57 Oak Square Ave., Brighton, Mass.
Jacobs, Carlton Dupee	. 9	II S	28 Maple St., Roxbury, Mass.
Jacobs, Elmer	10		162 Ashmont St., Dorchester, Mass.
Jacobs, Richard Clark, Jr	10		215 Auburndale Ave., Auburndale, Mass.
Jacobson, Conrad, Ph.B.	G	V	362 West Erie St., Chicago, Ill.
Jacoby, Raymond Weiss	10	X	178 W. Franklin St., Wilkes-Barre, Pa.
Japan Fraderick	9	III	732 Front St., South Weymouth, Mass.
James, Edwin Warley, A T	7	I	Ossining, N.Y.
Jansson, Arthur Harold	6	XIII S	
Jealous, Arthur Rowney	7	II	North Vassalboro, Me.
Jenckes, Edwin Kanyon	10		571 Pleasant St., Pawtucket, R.I.
Jenkins, William Benjamin	9	II S	1884 East 73d St., Cleveland, O.
Jennings, Oliver Saunders, A.B.	8	VI	421 June St., Fall River, Mass.
Jerden, Carl Gustave	- 8	II S	458 Boylston St., Boston, Mass.
Johnson, Bert Day, A.B	7	X	109 Luzerne Ave., Pittston, Pa.
Johnson, Bert Day, A.B.  Johnson, Flora Augusta  Johnson, John Edward, B.S., Z.A.E.	10	S	58 Highland Ave., Newtonville, Mass.
Johnson, John Edward, B.S., ZAE	7	IS	9 St. James Ave., Boston, Mass.
Johnson, Lewis Howes	8	VI	
Johnson, Macmillan Houston, Jr.,	0	*1	91 North Main St., Rockland, Me.
Σ X	10	IV	510 North Movidian St. Dwaril Ind
Johnson, Otto Alfred	7	IV S	510 North Meridian St., Brazil, Ind.
Johnston, Cyrus Thurston	8	VI S	2 Wilson Ave., Dedham, Mass.
	6	IS	[2] 그리고, 아이트로 아이트 아름다면 하는 아이트로 아이트를 하게 하는데 하는데 다른데 다른데 다른데 다른데 다른데 다른데 다른데 다른데 다른데 다른
Johnston, John Frederick, Jr.	0	1 0	16 St. Botolph St., Boston, Mass.
Johnston, William Armour, Jr.,		WITT	D D
Ph.B., A Δ Φ	8	VIII	Prince Bay, Staten Island, N.Y.
Jones, Bradley	10	CI.	29 Shirley St., Winthrop, Mass. 180 Meigs St., Rochester, N.Y.
Jones, Byron Quinby	10	5	180 Meigs St., Rochester, N.Y.
Jones, Clarence Leslie	10		Barnstable, Mass.
Jones, Grandville Reynard, C. E.,	_	777 0	*** W * * *** * * * * * * * * * * * * *
ΛΦ	7	XI S	162 West 10th Ave., Columbus, Ohio.
Jones, Maurice Trimble, Jr	8	XS	
Jones, Raymond Leston	10		Barnstable, Mass.
Jones, Reginald Lamont	9	VI	Abington, Mass.
Jones, William Francis	9	III S	152 West 84th St., New York City.
Jones, William Henry Joslin, Garnett Alfred, A T Ω	9	II	Ashland, Mass.
Joslin, Garnett Alfred, A T Ω	8	III S	323 West 28th St., Los Angeles, Cal.
Joy, Charles Frederick, Jr	8	VI	16 Watts St., Chelsea, Mass.
Kalbach, Lee, ΘΞ	10	III	Oskaloosa, Iowa.
Kales, Francis Henry	6	IV S	Chicago, Ill.
Kane, James Allen, Σ X	6	IV S	Long Green, Baltimore, Md.
Karch, Ralph James	7	II S	710 Cumberland St., Lebanon, Pa.
Karnan, Warren Winchester	7	V	38 Arlington St., Hyde Park, Mass.
Keables, Austin Dow	9	II	14 Hoyt Ave., Lowell, Mass.
Kearney Stephen	6	I	
Kearney, Stephen	8	пs	312 Market St., Lowell, Mass.
Kedy, Stiles Fraser Keete William Joseph		8	18 Savin Hill Ave., Dorchester, Mass.
Keefe, William Joseph			132 Devon St., Roxbury, Mass.
Keeler, Warren Irving	7 8	VIS	35 Oak Terrace, Newton Highlands, Mass.
Keeling, Thomas Callender, $\Phi \Delta \Theta$	0	VI S	138 North 8th Ave., Nashville, Tenn.

Keeney, Robert Mayro, Δ K E   9	Name and S	lociety	Class	Course	Home Address
Keith, Charles Russell   9	Keeney, Robert Mayr	ro, AKE	. 9	III S	Somersville, Conn.
Kelley, Edward Francis         9         II         73 School St., Cambridge, Mass.           Kellogg, Alfred Galpin, Δ Ψ         9         IV           Kellogg, James Wilford, A.B.         10         VII           Kelly, Edward Francis         6         11         30 Boylston St., Jamaica Plain, Mas           Kendall, Albert Stearns, A.B.         7         VI         Schoel, Mass.         51 St. Paul St., Brookline, Mass.           Kennison, Karl Raymond, A.B., Δ K E 9         VI         S Reacon St., Lowton Centre, Mass.           Kennison, Karl Raymond, A.B., Δ K E 9         VI         S Fort Strong, Mass.           Kennison, Karl Raymond, A.B., Δ K E 9         VI         S Fort Strong, Mass.           Kennison, Karl Raymond, A.B., Δ K E 9         VI         S Fort Strong, Mass.           Kilbere, Rinker, Θ Ξ         8         VI         S Fort Strong, Mass.           Kilbere, Rinker, Θ Ξ         8         VI         S Fort Strong, Mass.           Kilburn, Ernest Edwin         8         VI         S Fort Strong, Mass.           Kilburn, Ernest Edwin         8         VI         S Sot 494, Waterbury, Com.           King, Lester Hazen, X Φ         9         VI         S S Sot 494, Waterbury, Com.           Kingsbury, Harold Avery         6         VI         X S Sot 494, Water	Keith, Charles Russel	1	. 9	I	1009 Lexington Ave., Altoona, Pa.
Kellogg, James Wilford, A.B.         10         VIT         S Vernon Center, Oneida Co., N.Y.         X.Y.           Kelly, William James, Λ Φ         9         V         Kendall, Albert Stearns, A.B.         7         Y.V.         S Rennedy, Philip Francis, A.B.         7         Y.V.         S Rennedy, Philip Francis, A.B.         7         V.V.         S Fort Strong, Mass.         12 Brown Ave., Roslindale, Mass.         43 Silver St., Waterville, Maine.         Mass.         43 Silver St., Waterville, Maine.         Mass.         43 Silver St., Waterville, Maine.         Mass.         45 Fort Strong, Mass.         11 S Port Strong, Mass.         11 R S Port Strong, Mass.         11 S Port Strong, Mass.         11 R S Port Strong, Mass.         12 R S Marshfield Hills, Mass.         12 R S Marshfi	Kelley, Edward Fran	cis .	. 9	II	73 School St., Cambridge, Mass.
Kellogg, James Wilford, A.B.         10         VIT         S Vernon Center, Oneida Co., N.Y.         X.Y.           Kelly, William James, Λ Φ         9         V         Kendall, Albert Stearns, A.B.         7         Y.V.         S Rennedy, Philip Francis, A.B.         7         Y.V.         S Rennedy, Philip Francis, A.B.         7         V.V.         S Fort Strong, Mass.         12 Brown Ave., Roslindale, Mass.         43 Silver St., Waterville, Maine.         Mass.         43 Silver St., Waterville, Maine.         Mass.         43 Silver St., Waterville, Maine.         Mass.         45 Fort Strong, Mass.         11 S Port Strong, Mass.         11 R S Port Strong, Mass.         11 S Port Strong, Mass.         11 R S Port Strong, Mass.         12 R S Marshfield Hills, Mass.         12 R S Marshfi	Kelley Mark Elbridg	e	100		15 Beckett St. Peabody Mass
Kellogg, James Wilford, A.B.         10         VIT         S Vernon Center, Oneida Co., N.Y.         X.Y.           Kelly, William James, Λ Φ         9         V         Kendall, Albert Stearns, A.B.         7         Y.V.         S Rennedy, Philip Francis, A.B.         7         Y.V.         S Rennedy, Philip Francis, A.B.         7         V.V.         S Fort Strong, Mass.         12 Brown Ave., Roslindale, Mass.         43 Silver St., Waterville, Maine.         Mass.         43 Silver St., Waterville, Maine.         Mass.         43 Silver St., Waterville, Maine.         Mass.         45 Fort Strong, Mass.         11 S Port Strong, Mass.         11 R S Port Strong, Mass.         11 S Port Strong, Mass.         11 R S Port Strong, Mass.         12 R S Marshfield Hills, Mass.         12 R S Marshfi	Kellogg Alfred Galni	n A V			51 St. Paul St. Brookline Mass
Kelly, Edward Francis         6           Kelly, William James, A Φ         9           Kendall, Albert Stearns, A.B.         7           Kennison, Karl Raymond, A.B., ΔK E 9         11           Kepes, Robert Eugene, Φ Γ Δ         7           Kibbey, Rinker, Θ Ξ         8           Kielly, Edmund Bernard         10           Kilburn, Ernest Edwin         8           Killourn, Ernest Edwin         8           Killidin, Thomas Stephen         10           Kimball, John         7           King, Lester Hazen, X Φ         9           King, Lester Hazen, X Φ         9           King, Walter Wellington, Φ B E         9           Kinsman, Charles Collins         8           Kinther, Edwin Graham         7           Kinther, Edwin Graham         7           Koblen, Edward Albert         10           Kostiuk, Samuel         10           Krafft, Alfred Julius         8           Krafft, Limer Jerome         8           Kodlich, Rudolf Heinrich, E.E.         7           Kudlich, Rudolf Heinrich, E.E.         7           Kudlich, Rudolf Heinrich, E.E., Alange, Frank John         9           Lane, Spencer Brädgman         10           Lane,	Kellogg, Amee Wilto	rd A B			Vernon Center Oneida Co N V
Kennald, Albert Stearns, A.B.         7         IV         S 76 Beacon St., Newton Centre, Ma Kennedy, Philip Francis, A.B.         7         VI         Lawrence, George Leonard, Jr.         11         S 70 II         S 12 Brown Ave., Roslindale, Mass.         3 Silver St., Waterville, Maine.         S 78 Beacon St., Newton Centre, Ma Leg Brown Ave., Roslindale, Mass.         3 Silver St., Waterville, Maine.         S 78 Beacon St., Newton Centre, Ma Leg Brown Ave., Roslindale, Mass.         3 Silver St., Waterville, Maine.         S 79 II         S 91 Newbury St., Boston, Mass.         S 17 S 18 S 19 Newbury St., Boston, Mass.         S 17 S 18 S 19 Newbury St., Boston, Mass.         S 17 S 18 S 19 Newbury St., Boston, Mass.         S 11 S 91 Newbury St., Boston, Mass.         S 11 S 19 Newbury St., Boston, Mass.         S 11 S 10 Newbury St., Boston, Mass.         S 11 S 19 Newbury St., Boston, Mass.         S 11 S 19 Newbury St., Boston, Mass.         S 11 S 19 Newbury St., Boston, Mass.         S 11 S 10 Newbury St., Boston, Mass.         S 12 S 25 Dennison Ave., Cleveland, Ohin Leg Square, Lynn, Mass.         S 12 S 25 Dennison Ave., Cleveland, Ohin Leg Square, Lynn, Mass.         S 11 S 2 S 25 Dennison Ave., Cleveland, Ohin Leg Square, Lynn, Mass.         S 11 S 2 S 25 Dennison Ave., Cleveland	Kellogg, James Willo	iu, A.D.			
Kennald, Albert Stearns, A.B.         7         IV         S 76 Beacon St., Newton Centre, Ma Kennedy, Philip Francis, A.B.         7         VI         Lawrence, George Leonard, Jr.         11         S 70 II         S 12 Brown Ave., Roslindale, Mass.         3 Silver St., Waterville, Maine.         S 78 Beacon St., Newton Centre, Ma Leg Brown Ave., Roslindale, Mass.         3 Silver St., Waterville, Maine.         S 78 Beacon St., Newton Centre, Ma Leg Brown Ave., Roslindale, Mass.         3 Silver St., Waterville, Maine.         S 79 II         S 91 Newbury St., Boston, Mass.         S 17 S 18 S 19 Newbury St., Boston, Mass.         S 17 S 18 S 19 Newbury St., Boston, Mass.         S 17 S 18 S 19 Newbury St., Boston, Mass.         S 11 S 91 Newbury St., Boston, Mass.         S 11 S 19 Newbury St., Boston, Mass.         S 11 S 10 Newbury St., Boston, Mass.         S 11 S 19 Newbury St., Boston, Mass.         S 11 S 19 Newbury St., Boston, Mass.         S 11 S 19 Newbury St., Boston, Mass.         S 11 S 10 Newbury St., Boston, Mass.         S 12 S 25 Dennison Ave., Cleveland, Ohin Leg Square, Lynn, Mass.         S 12 S 25 Dennison Ave., Cleveland, Ohin Leg Square, Lynn, Mass.         S 11 S 2 S 25 Dennison Ave., Cleveland, Ohin Leg Square, Lynn, Mass.         S 11 S 2 S 25 Dennison Ave., Cleveland	Keny, Edward Franc	18			
Kennedy, Philip Francis, A.B.         7         VI         12 Brown Ave., Roslindale, Mass.         43 Silver St., Waterville, Maine.           Kephart, Samuel A.         7         7         11 S         91 Newbury St., Boston, Mass.           Kibbey, Rinker, Θ Ξ         8         11 S         91 Newbury St., Boston, Mass.           Kiely, Edmund Bernard         10         10         11 S         91 Newbury St., Boston, Mass.           Kilion, Thomas Stephen         10         10         10         10         11 S         91 Newbury St., Boston, Mass.         11 Roseville Gquare, Lynn, Mass.         11 Roseville Square, Lynn, Mass.         12	Kelly, William James	, Λ Ψ			61 Robinwood Ave., Jamaica Plain, Mass.
Kennison, Karl Raymond, A.B., ΔKE 9   Kephart, Samuel A			. 1		
Kibbey, Rinker, Θ Ξ			. 7	VI	12 Brown Ave., Roshindale, Mass.
Kibbey, Rinker, Θ Ξ	Kennison, Karl Raym	ond, A.B., $\Delta$		11	43 Silver St., Waterville, Maine.
Kibbey, Rinker, Θ Ξ	Kephart, Samuel A.			VI S	Fort Strong, Mass.
Kibbey, Rinker, ΘΞ         8         IV S         Marshfield Hills, Mass.         11 Roseville Square, Lynn, Mass.         12 Russell St., Malden, Mass.         12 Russell St., Malden, Mass.         13 Russell St., Malden, Mass.         14 Roseville Square, Lynn, Mass.         18 Roseville Square, Lynn, Mass.         12 Russell St., Malden, Mass.         13 Russell St., Malden, Mass.         14 Ruston, Mass.         14 Roseville Square, Lynn, Mass.         14 Ruston, Mass.         15 Ruston, Mass.         16 Ruston, Mass.         16 Ruston, Mass.         17 Ruston, Mass.         17 Ruston, Mass.         17 Ruston, Mass.         18 Ruston, Mass. <td>Keyes, Robert Eugen</td> <td>е, ФГ Δ</td> <td>. 7</td> <td>11 8</td> <td>91 Newbury St., Boston, Mass.</td>	Keyes, Robert Eugen	е, ФГ Δ	. 7	11 8	91 Newbury St., Boston, Mass.
Kielly, Edmund Bernard Killburn, Ernest Edwin Kimball, John Killburn, Ernest Edwin Kimball, William Francis Kimbell, John Kimball, William Francis Kimbell, John Kimball, William Francis Kimberley, Burton Russell  9 IV S Box 494, Waterbury, Conn. 130 Russell St., Malden, Mass. Hotel Charlesgate, Boston, Mass. Hotel Charlesgate, Boston, Mass. Hotel Charlesgate, Boston, Mass. 13 Arnoldale Road, Hartford, Conn. New York  26 Pearl St., Westfield, Mass. 10 Piedmont St., Salem, Mass. 10 Piedmont St.,	Kibbey, Rinker, $\Theta \Xi$		. 8	IV S	Marshfield Hills, Mass.
Kilburn, Ernest Edwin   Sex   Millon, Thomas Stephen   10	Kiely, Edmund Berns	ard .	. 10		
Killion, Thomas Stephen   10   130 Russell St., Malden, Mass. Easton, Mass.   Easton, Mass.   Easton, Mass.   Hotel Charlesgate, Boston, Mass.   Hotel Ch		in .		VI S	
Kimball, John         7         1         Easton, Mass.           Kimball, William Francis         6         VI         Some of the process of	Killion Thomas Step	hen			
Kimball, William Francis   6   VI   Hotel Charlesgate, Boston, Mass.   Kimberley, Burton Russell   9   IV   S   9725 Dennison Ave., Cleveland, Ohi   King, Frederick James   8   II   S   Abington, Mass.   King, Lester Hazen, X Φ   9   IV   II   S   Abington, Mass.   II   Abington, Mass.   II   II   Abington, Mass.   II   II   II   II   II   II   II	Kimball John		7	T	
King, Frederick James	Kimball William Fra	neis	6	1, 460	
King, Frederick James	Kimbarlay Burton B	Hoseil	. 0		
King, Lester Hazen, X Φ King, Walter Wellington, Φ B E Kingsbury, Harold Avery Kinnear, John Charles Kinsman, Charles Collins Kintner, Edwin Graham Kirby, Walter Bradnee Kiloberg, Edward, B.S. Kollen, Edward Albert Koppitz, Carl George Krafft, Alfred Julius Krafft, Alfred Julius Krafft, Alfred Julius Krafft, Elmer Jerome Kudlich, Rudolf Heinrich, E.E. Kurtzmann, Christian, Δ K E Kurtzmann, Christian, Δ K E Labbé, Antoine Gilbert, A.B. Lane, Spencer Bridgman Larkin, Thomas Larkin, Thomas Larned, John Insley Blair, A.B., Φ B E Lawrence, Edmund Kent, A.B. Lawrence, Edmund Kent, A.B. Lawrence, George Leonard, Jr. Lawrence, George Leonard, Jr. Lawrence, George Leonard, Jr. Lawrence, George Leonard, Jr. Layrence, Edmund Kent, A.B. Lane Kingsury, Harold Avery La New York La New York La New York City. San Francisco, Cal. Shuyeasht Place, New Brighton, New York. Conn. 16 Stuyvesant Place, New Brighton, New York. 26 Pearl St., Westfield, Mass. 10 Piedmont St., Salem, Mass. 10 Piedmont St.,					
Kings, Walter Wellington, Φ B E					
New York   September   Sept			-		
Kingsbury, Harold Avery	King, Walter Welling	ton, PBE	. 9	A	
Kinnear, John Charles				**	
Kinsman, Charles Collins   Kintner, Edwin Graham   7					
Kintner, Edwin Graham Kirby, Walter Bradnee Kople, Calles, Hudson, Mass.  141 Stanton St., New York City. San Francisco, Cal. New York City. San	Kinnear, John Charle	s			
Kirby, Walter Bradnee	Kinsman, Charles Col	lins .	. 8		
Kloberg, Edward, B.S	Kintner, Edwin Grab	am .		XIII A	Rock Haven, Meade Co., Ky.
Knight, Ralph Frank Kollen, Edward Albert Koppitz, Carl George Softiuk, Samuel Kostiuk, Samuel Softiuk, Sam Francisco, Cal. Softiuk, Softiuk, S	Kirby, Walter Bradn	ee	. 8	IV S	102 Highland Ave., Winchester, Mass.
Knight, Ralph Frank Kollen, Edward Albert Koppitz, Carl George Softiuk, Samuel Kostiuk, Samuel Softiuk, Sam Francisco, Cal. Softiuk, Softiuk, S	Kloberg, Edward, B.S.	S	. 8	IS	714 East 179th St., New York City.
Kollen, Edward Albert 10 9 Brookline St., Cambridge, Mass. Koppitz, Carl George 9 VIII S Los Angeles, Cal. S 141 Stanton St., New York City. S 2 San Francisco, Cal. S 141 Stanton St., New York City. S 2 San Francisco, Cal. S 2 San Francisco, Cal. Drifton, Pa. S 2 San Francisco, Cal. Drifton, Pa. S 2 San Francisco, Cal. Drifton, Pa. S 3 San Francisco, Cal. Drifton, Pa. S 4 San Francisco, Cal. Drifton, Pa. San Fr	Knight, Ralph Frank			VI	49 Church St., Hudson, Mass.
Koppitz, Carl George9VIIISLos Angeles, Cal.Kostiuk, Samuel10S141 Stanton St., New York City.Krafft, Alfred Julius8IVSan Francisco, Cal.Krafft, Elmer Jerome8IVSan Francisco, Cal.Kudlich, Rudolf Heinrich, E.E.7IIDrifton, Pa.Kuehne, Hugo Franz, C.E.8IV103 Sabine St., Austin, Texas.Kurtzmann, Christian, $\Delta$ K E.9INiagara Hotel, Buffalo, N.Y.Kydd, John Angus8V22 Cuba St., Andover, Mass.Kyle, Clinton Walker9II63 Otis St., Newtonville, Mass.Land, Emory Scott, A.B.GXIIIALane, Spencer Bridgman1010113 Wellesley Ave., Wellesley, Mass.Lang, Harold Locke9VLang, Frank John9VI105 Bridge St., Springfield, Mass.Larried, John Insley Blair, A.B., $\Phi$ B E 7IISLake Forest, Ill.Lasnier, Gilberto C.9VI276 Andes St., Montevideo, Urugua;Lawrence, Edmund Kent, A.B.6ISCatonsville, Baltimore Co., Md.Lawrence, George Leonard, Jr.9I76 Lake Ave., Melrose, Mass.Lawrence, George Leonard, Jr.9I12 Newbury St., Boston, Mass.Lawton, Joseph Thomas, Jr., $\Phi$ $\Phi$ 6II812 Newbury St., Boston, Mass.	Kollen, Edward Alber	rt			92 Brookline St., Cambridge, Mass.
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Lang, Harold Locke 9 V 33 Fairview St., Roslindale, Mass. Lange, Frank John 9 VI 105 Bridge St., Springfield, Mass. Larned, John Insley Blair, A.B., $\Phi$ B E 7 II S Lake Forest, Ill. Lasnier, Gilberto C 9 VI S 276 Andes St., Montevideo, Urugua; Lawrence, Edmund Kent, A.B. 6 I S Catonsville, Baltimore Co., Md. Lawrence, George Leonard, Jr. 9 I 76 Lake Ave., Melrose, Mass. Lawton, Joseph Thomas, Jr., $\Phi$ $\Gamma$ $\Delta$ 6 II S 12 Newbury St., Boston, Mass.				XIII A	
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Lange, Frank John 9 VI 105 Bridge St., Springfield, Mass. Larkin, Thomas 8 I S 41 Thorndike St., Boston, Mass. Larned, John Insley Blair, A.B., $\Phi$ B E 7 II S Lake Forest, Ill. Lasnier, Gilberto C 9 VI S 276 Andes St., Montevideo, Urugua; Lawrence, Edmund Kent, A.B. 6 I S Catonsville, Baltimore Co., Md. Lawrence, George Leonard, Jr. 9 I 76 Lake Ave., Melrose, Mass. Lawton, Joseph Thomas, Jr., $\Phi$ $\Gamma$ $\Delta$ 6 II S 12 Newbury St., Boston, Mass.	Lang, Harold Locke	14 15 3			33 Fairview St., Roslindale, Mass.
Larned, John Insley Blair, A.B., $\Phi$ B E 7 Lasnier, Gilberto C	Lange, Frank John	7 .	. 9		105 Bridge St., Springfield, Mass.
Larned, John Insley Blair, A.B., $\Phi$ B E 7 Lasnier, Gilberto C	Larkin, Thomas .		. 8	IS	41 Thorndike St., Boston, Mass.
Lasnier, Gilberto C	Larned, John Insley B	lair, A.B., 4	B E 7	II S	
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Lawton, Joseph Thomas, Jr., Φ Γ Δ 6 II S 12 Newbury St., Boston, Mass.	Lawrence George Le	onard Jr			
Leavy, John Francis 8 II S 65 Washington St., Newburyport, M	Lawton Joseph Thou	oas Jr dr			
Leavell, John Holland	Lasar John Francis	100, 01., 41	- 0	II 6	65 Washington St Nowhummort Mass
Leaven, John Hohand 111 Temple, Texas.	Leary, John Francis	1	. 0	TIT	Tomple Tower
Towns Warred OAY 10 T 18 Out Of Warren W. M.	Leavell, John Holland	AV	. 10		17 Otio St. Newtore: II. Man
Leavens, Kenneth, ΘΔX 10 I 17 Otis St., Newtonville, Mass.	Leavens, Kenneth, O	ΔΛ .	. 10		17 Ous St., Newtonville, Mass.
Lee, Lael Charles 10 S Douglas, Wyo.	Lee, Lael Charles		. 10	YY S	Douglas, Wyo.
Lees, George Cooper 8 II S 475 Rivet St., New Bedford, Mass.	Lees, George Cooper		. 8	11 8	475 Rivet St., New Bedford, Mass.

Name and Society	Class	Course	Home Address
Lenox, John Edward	9	I	7 Austin St., Cambridge, Mass.
Leslie, Bernard Shepard	8	II	Milton, Mass.
Lewis, Ernest Farnum, A.B., $\Delta$ T $\Delta$	7	IV S	148 Holden St., Providence, R.I.
Lewis, Richard Wheatley, Φ B E .	10	VIII	Fort Monroe, Va.
Libby, Harold Clifton	7	Î	Littleton, Mass.
Lindberg, Charles William	10		117 Harvard St., Cambridge, Mass.
Lindsay, Roy Wallace, ΦΣ K	7	X	
Line, Frederick Chester	6	III S	47 Summer St., Andover, Mass.
			The state of the s
Link, John Hanger, A.B.	7	V	Rushville, Ind.
Little, Guy Henry, $\Theta Z$	10		71 Kinsley St., Nashua, N.H.
Livingston, George Edward	10	*****	150 Washington St., Gloucester, Mass.
Locke, John Harold	8	VIII	12 Abbotsford Road, Brookline, Mass.
Lockett, Harold, $\Delta$ K E	10		5116 Madison Ave., Chicago, Ill.
Loeb, Leo, A.B	8	II	Rich Hill, Mo.
Lombard, Robert Hamilton	10		Ashburnham, Mass.
Long, John Saberton, $\Phi \Delta \Theta$ .	10	X	337 Hyde Park Ave., Tampa, Fla.
Longley, Arthur Ashleigh	8	II S	135 Elm St., Kalamazoo, Mich.
Longyear, Helen McGraw	9	IV	Leicester St., Brookline, Mass.
Longyear, Jack Munro	10	IS	
Loomis, Dan Austin	6	XIII	727 State St., Springfield, Mass.
Loomis, Lynn Albert	8	III	727 State St., Springfield, Mass.
Lord, Harry Chester, ΔΣΦ	7	II	64 Gardiner St., West Lynn, Mass.
Lord, Paul Burton, O A X	9	I	18 So. Munroe Terrace, Dorchester, Mass.
Loring, Ernest Moore	9	III	Chicago, Ill.
Loring, Henry Delano, 9 X	6	Î	94 Hudson St., Somerville, Mass.
Loud, Roger Perkins	10		87 Commercial St., Weymouth, Mass.
Lougee, Sherman	9	I	31 Summer St., Salem, Mass.
Loutit, Robert Clyde	10	XIII	Grand Haven, Mich.
Lovejoy, Carl Howard	10	AIII	
Lozoya, Raymond	10	S	26 Parkman St., Dorchester, Mass.
Luce, Byron Peakes, ΔΣΦ	7	п	Valle Allende, Chihuahua, Mexico.
Lucey, William Sylvester, $\Delta \Sigma \Phi$ .	7	II	Vineyard Haven, Mass.
	8	II s	62 Washington Ave., Natick, Mass.
Ludington, Frank Ensign	9	II S	215 Cooke St., Waterbury, Conn.
Luening, Eugene George		v	Wauwatosa, Wis.
Lufkin, Charles Lewis	8	v	12 Sadler St., Gloucester, Mass.
Lufkin, Fred Richards	10		12 Linden St., Woodfords, Maine.
Lunt, George Perkins	10	***	58 High St., Danvers, Mass.
Luscomb, Florence Hope	9	IV	14 Ashford St., Allston, Mass.
Luther, Howard Bourne	8	I	153 Pleasant St., Attleboro, Mass.
Lyford, Emerson Fletcher	8	V	57 School St., Milford, Mass.
Lyle, Fred William	8	VI	44 Hall St., Waltham, Mass.
Lyon, Stephen Chandler	8	I	49 Providence St., Woonsocket, R.I.
Lyons, Frank Benton, B.S		VI S	Steubenville, Ohio.
Lyons, Manson Anslie	9	IS	Parrsboro, Cumberland Co., N.S.
Mabee, Fred Carleton, A.B., A.M.	7	X S	Vittoria, Ont.
Macafee, Reid Dana	10		756 South Main St., Athens, Pa.
McAuliffe, William James	8	I S	4 Melrose St., Boston, Mass.
McCain, Samuel Norman	9	IS	2420 Perrysville Ave., Allegheny, Pa.
McCarthy, John Francis	9	I	590 Ninth St., South Boston, Mass.
McChesney, Howard Hazen, Σ A E	7	VI	110 Walnut Place, Syracuse, N.Y.
McCready, Harold, $\Lambda \Phi$ McCrillis, Haven Sanborn	7 7	VI	3430 Butler St., Pittsburg, Pa.
McCrillis, Haven Sanborn	8		77 Bradford St., Lawrence, Mass.
MacDonald, Howard J. C., Σ X .	6	III S	123 Kent St., Brookline, Mass.
Mace, Shirley Andrew, θ Δ X	9	II S	15 Mace Place, Lynn, Mass.
McElroy, James Aloysius, A.B., Σ X	6	IS	Bridgeport, Conn.
McGinniss, Joseph	8	IV S	96 Blue Hill Ave., Roxbury, Mass.
McGowan, James, Jr	8	VS	North Adams, Mass.
McGregor, Frank Sanderson, Δ T Δ	7	VIII S	78 West St., Hyde Park, Mass.
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Name and Society	Class	Course	e	Home Address	
MacGregor, Milton Emery	7	VIII	S	189 Fairmount Ave., Hyde Park, Mass.	
McGuigan, Francis Harrington, Δ K	E 8	I	-	Windsor Hotel, Montreal, Quebec.	
McIntyre Ruluff David	10	-		Clayton, Mass.	
McIntyre, Ruluff David	6	T	Q	Westchester Road, Williams Bridge,	
Mack, ram warmaw	0		10	New York City.	
Mark Daniell	10				
Mack, Russell	10			Williams Bridge, New York City.	
MacKay, George Moir Johnstone,	-	**		D I NO	
A.B., M.A.	G	V		Dartmouth, N.S.	
McKernan, George Edward	10	I		Westerly, R.I.	
McLaughlin, Peter F	9	IV	S	34 Hamlin St., Pittsfield, Mass.	
McMillin, John Milton	7	III		72 Ashford St., Allston, Mass.	
McMurtrie, Douglas Crawford, ΔΨ	10			72 Ashford St., Allston, Mass. 480 Park Ave., New York City.	
McNamara, John Daniel	10		S	91 Oak St., Boston, Mass.	
McNamee, John Francis	10			1 Portland St., Cambridge, Mass.	
MacNutt, Scott P., A.B., Σ A E	8	XI		1361 South 14th St., Denver, Colo.	
Macomber, Alexander, A T Ω	7	VI		362 Longwood Ave., Brookline, Mass.	
MaDhas Hareld From	8	VI	0	South Framingham Mass	
McPhee, Harold Evan	10	AT	0		
McRae, George Wadsworth		307		278 Salem St., Malden, Mass.	
McRae, Henry Clinton, B.S.	7	XI		Iola, Kans.	
McTigue, George Joseph, θ X	8	VI		131 Pine St., Holyoke, Mass.	
Madenigian, Kevork	9	I		Aghin, Armenia.	
Madenigian, Kevork	10			698 Salem St., South Groveland, Mass.	
Mahar, John Theodore	6	H		68 L St., South Boston, Mass.	
Mahoney, William Edward, Φ K Σ	8	I	S	Box 124, Hopkinton, Mass.	
Mahr, Hermann William, OX	7	V		179 Heath St., Roxbury, Mass.	
2.5	8	VI		North Billerica, Mass.	
Manning, Ralph Eric	6	VI	S	Wakefield, Mass.	
Manson, Edward Scholfield. B.S.		VI	~	410 McClellan St., Wausau, Wis.	
Manson, Harold Crosby, ZAE				45 Hartford St., Dorchester, Mass.	
	9	II			
Marshall, Henry Herbert		II	0	Elmwood, Mass.	
Martin, Thorndike De Vries	9			53 Chestnut Hill Ave., Brighton, Mass.	
Martin, William Henry		I	D	111 Ingall St., Taunton, Mass.	
Martinez, Roland A., Σ X	7	I		Chacon 34, Havana, Cuba.	
Marx, Samuel Abraham	9 7 7 7 9 8 8 8 7 6	IV	~	Natchez, Miss.	
Marvin, David Patterson	9	XIII		15 Trowbridge Ave., Newtonville, Mass.	
Masioan, Valerio	8	XIII		Parana, Argentine Republic.	
Mason, George Carrington, XФ .	8	XIII	S	384 East Ontario St., Chicago, Ill.	
Mason, Willis Harold	8	II		Fairmount Ave., Wakefield, Mass.	
Mather, John	7	VI	S	112 Fort Hill Ave., Lowell, Mass.	
Mathesius, Anthony Paul, Φ B E .	6	II		New York City, N.Y.	
Matte, Andrew Lewis	9	VI	8	North Adams, Mass.	
Matte, Joseph	9	Î	-	82 Church St., North Adams, Mass.	
Maxcy, Robert Farrington, ΔΨ		100		Gardiner, Maine.	
Maxfield, Joseph Pease	10			120 Stedman St., Brookline, Mass.	
		XI			
Maxwell, Donald Hebard	8		0	32 Maple St., Newton, Mass.	
Maxwell, Jesse Worth, Δ T Δ	8 8 9	III		Austin, Texas.	
Maxwell, Ruth May, Kenneth Sargeant Mayer, Paul Hirschl, B.S.	8	IV	0	32 Maple St., Newton, Mass.	
May, Kenneth Sargeant	9	VI	~	73 Fisher Ave., Newton Highlands, Mass.	
Mayer, Paul Hirschl, B.S.	7 9	III		169 North Fulton Ave., Mt. Vernon, N.Y.	
Maynard, Clarence Dickinson .	39	1		73 Central St., Somerville, Mass.	
Mayo, Lincoln, ΣAE	8	II	S	11 Robeson St., Jamaica Plain, Mass.	
Mazier, Tomas August, A.B.	10			Tegucigalpa, Honduras, C.A.	
Meanor, Wilbur Alpheus	9	IV	S	Turtle Creek, Pa.	
Meisel, Otto Carl Francis	10			10 Upland Ave., New Dorchester, Mass.	
Menke, Alvin Frederick, A.B.	9	IV		15 Edgar St., Evansville, Ind.	
Menner, Frederic Bassett, X Φ .	7	XIII	8	Honesdale, Pa.	
Menzinsky, Andrew John		III		726 Clinton St., Cincinnati, Ohio.	
Merrill, Arthur Clement	8	II	-	57 Franklin St., Peabody, Mass.	
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Name and Society		Course	Home Address
Merriman, Thurston Cables	9	111	174 Ashley St., Hartford, Conn.
Merry, Augustus Bradford	10		Vineyard Haven, Mass.
Mesmer, Louis Francisco, B.S	G	I	3500 Manitou Ave., Los Angeles, Cal.
Middleton, Nathan Atherton, X Φ	7	II	The Winona, Baltimore, Md.
Miers, George Everett	10		65 Glen St., Somerville, Mass.
Millard, Reginald William, Σ A E .	8	II	456 Main St., E. Hamilton, Ont.
Miller, Addison, ΛΦ	7	II	803 Lincoln Ave., St. Paul, Minn
Miller, George	9	III	42 Storrow St., Lawrence, Mass.
Miller, Henry Franklin, 2d, $\Theta \Delta X$	9	II	
			18 Lawrence St., Wakefield, Mass.
Miller, Henry Usher	9	III S	
Miller, John, $\Delta$ T $\Delta$	9	VI S	518 Commonwealth Ave., Boston, Mass.
Miller, Stuart Read, Σ A E	7	II	The Wilhelm, Avondale, Cincinnati, O.
Mills, Benjamin Franklin, A.B.,			
AZA	7	IS	126 Appleton Ave., Pittsfield, Mass.
Mills, Leonard Olcott	10		213 Walnut St., Holyoke, Mass.
Milne, William Durant	7	I	Stetson St., Lexington, Mass.
Miner, Ernest Abbot	7		127 Summer St., Malden, Mass.
Mitchell, Arthur Knox, Δ T	9	XI	1078 Worthington St., Springfield, Mass.
Mittag, Frank Otto, Jr., B.S.	G	V	Park Pidge Barger Co N I
	8		Park Ridge, Bergen Co., N.J.
Mohn, Joseph Theophile	0	IV S	438 W. 53d St , New York City.
Moller, Kenneth, A.B., ΔΨ	7	H	5 Greenough Place, Jamaica Plain, Mass.
Monto, Charles Philip	10	70	287 Alexander St., Rochester, N.Y.
Moody, Harry Lawrence, θ Δ X .	7	X	7 Garden St., Newburyport, Mass.
Moore, Franklin	8	VS	286 Main St., Winsted, Conn.
Moore, James Gates	6	IV	Savona, N.Y.
Moore, John Ernest, A.B., Φ Δ X	7	VI	Wellsburg, W. Va.
Moore, Thomas Joseph	9	VI S	Ardee, Ireland.
Moreland, Edward Leyburn, A.B.,			
ΦΓΔ	7	VI S	McDonogh, Md.
Morrill, Arthur Bradford	9	XI	26 Cedar St., Haverhill, Mass.
Morrill, Fred William	7	Î	26 Cedar St., Haverhill, Mass
Morrison Charles Walde	0	vî s	20 Ceuar St., Haverinn, Mass
Morrison, Charles Waldo	0	VI	80 Florence Ave., Revere, Mass.
Moses, Alonzo Lemuel, Σ A E	9 7 8 9 7		222 Massachusetts Ave., Boston, Mass.
Moses, Frederick Taft	-	V	Ayer, Mass.
Mott, Frank Earl, Ph.C.	7	*** **	80 Huntington Ave., Boston, Mass.
Mullen, John Joseph, A.B.	8	VI S	1007 10th St., Denver, Colo.
Munoz, Enrique José	10	11	Saltillo, Mexico.
Munoz, Ramon Fidencia	8	III	Saltillo, Mexico.
Murfey, Gardner Armstrong	7	VI	4208 Prospect Ave., S.E., Cleveland, O.
Muriel, José	7	IS	3a del 5 de Mayo 14½, San Luis, Potasi,
Continues and the state of the state of			Mexico.
Muriel, Manuel	10	IS	3a del 5 de Mayo 141, San Luis, Potasi,
			Mexico.
Murray, Francis Joseph	8	XS	47 Quincy St., Roxbury, Mass.
Murray, John Frederick, A.B.	- 8	IV S	
Myron Albort Iomon Iv		14 19	
Myer, Albert James, Jr	10	TIT O	Lake View, N.Y.
Myers, Desaix Brown, B.S	8	III S	1521 Spruce St., Philadelphia, Pa.
Myers, Eleazar	8	X S	5942 Indiana Ave., Chicago, Ill.
Myers, Henry Earle	9	IV	75 Orange St., Ashland, Ohio. 19 Exeter St., West Newton, Mass.
Myrick, John Botume	10		19 Exeter St., West Newton, Mass.
Nagle, Arthur Rosengarten	10		83 Kirkstall Road, Newtonville, Mass.
Naramore, Floyd Archibald, AT.	7	IV	722 North Michigan Ave., Mason City, Ia.
Nauss, George Murray	8		34 North 2d St., Harrisburg, Pa.
Navarro, Manuel Adrian, B.S.	9	Ī	Quito, Ecuador.
Nelson, Stanley Foushee, A.B.	8		Winchester, Ky.
Newhall, Edward, $\Phi \Gamma \Delta$	10	1 13	
	8	v	49 Atlantic Terrace, Lynn, Mass.
Newhall, Everett Hiltz		VI	238 Summer St., Lynn, Mass.
Nicholas, Henry George	6	VI	Melbourne, Australia.

Name and Society	Class	Course	Home Address
Nicholas, Utar James, Σ A E	6	VI	Melbourne, Australia.
Nicholl, John Seymour	7	II	111 Gainsboro St., Boston, Mass.
Nichols, Archer Corbin	8	I	13 Berwick Park, Boston, Mass.
Nichola Devent A T O	7	II	138 Fremont Ave., Everett, Mass.
Nichols, Bryant, A T Ω			
Nichols, James Robinson	8	VS	4 Highland Ave., Haverhill, Mass.
Nichols, Prescott Raymond	7		66 Prescott St., Reading, Mass.
Nichols, Russell Harrison	9	XI	325 K St., South Boston, Mass.
Nickerson, John Winslow	9	II	33 Alpine St., Roxbury, Mass.
Nickerson, John Winslow Nicol, Norman Carmichael	8	XI S	56 Brewster St., Waterbury, Conn.
Niles, Frank Lee, Δ T Δ	7	III S	111 East South Temple, Salt Lake City, Utah.
Nisbet, Lewis Dexter	9	I	12 Rhode Island Ave., Providence, R.I.
Nix, Leo Demain, Σ A E	8	II S	Dubuque, Iowa.
	8	XI S	
		II	22 Holton St. Alleton Mass.
Norton, George Roswell Norton, Paul Willard, A.B.	6		33 Holton St., Allston, Mass.
Norton, Paul Willard, A.B.	8	IV	5 Frances St., Woburn, Mass.
Norton, Roy Wilmarth	8 7		Vineyard Haven, Mass.
Noyes, Emory Chase	7	I	39 Porter St., Malden, Mass.
Nutter, Charles Warren	6	II	58 Heard St., Chelsea, Mass.
Ogarrio, Rodolfo, Jr., ⊕ Ξ	8	I S	5th Humboldt No. 46, Mexico City, Mex.
O'Hearn, William John	10		191 Davis Ave., Brookline, Mass.
Olaguibel, Romualdo Esteban	9	VI S	Mexico City, Mexico.
	10	4.4.15	175 Walker St., Lowell, Mass.
O'Neill, John Henry		TT C	
Orchard, Edward Frederick		11 5	14 Fletcher St., Roslindale, Mass.
	10	* *	14 Fletcher St., Roslindale, Mass.
Orr, Thomas Whitley, AKE	- 8	I S	603 E. 47th St., Kansas City, Mo.
Osborn, Frederick Warren	10		Edgartown, Mass.
Osborne, Harold Smith	8	VI	81 Oxford St., Cambridge, Mass.
O'Shea, Peter Francis	9	II S	39 Arlington St., Northampton, Mass.
Otis, Webb Harlan	6	II S	
Ottowen John Edward	8	XIII A	
Otterson, John Edward	9	IV S	
Owings, Thomas, A.B.	9		
Packard, Emerson Heard, A T $\Omega$ .	7	X	180 Belmont St., Brockton, Mass.
Packwood, Lahvesia, C.P	7	IV S	701 Twiggs St., Tampa, Fla.
Page, Atwood Collens Page, Stanley Henry, Σ X	10		Danvers, Mass.
Page, Stanley Henry, Σ X	9	II S	2518 Pacific Ave., San Francisco, Cal.
Pagon, William Watters, A.B.	7	I	937 St. Paul St., Baltimore, Md.
Palmer, Herbert Hammond	8	VIII S	
Parker, Joseph Warren	9	IS	
Parlin, Raymond Washington, A &	7	XI S	19 Winthrop Ave., Wollaston, Mass.
Parin, Raymond Washington, A v	10	281 13	79 Mt. Pleasant Ave., Gloucester, Mass.
Parsons, Harold Frank		YET	2004 Austin St. Houston Toron
Pastoriza, Hugh Girard	7	VI	2204 Austin St., Houston, Texas.
Patch, Ernest Llewellyn	10		28 Lincoln St., Stoneham, Mass.
Patch, Ernest Llewellyn Patchett, Sidney Arthur	10	S	
Patchett, Sidney Arthur Patten, Harry Chapman Patton, Walter Lynn	8	VI	205 Savin Hill Ave., Dorchester, Mass.
Patton, Walter Lynn	8	IV S	Gloversville, N.Y.
Patton, Walter Lynn	10		32 Bancroft Ave., Reading, Mass.
Peabody, Octavus Libbey, Σ A E	6	Χ.	2 Grant St., Haverhill, Mass.
	10	24.	74 Marshall St., North Adams, Mass.
Pead, William James, Jr	9	III S	
Pearce, John Stewart, Δ K E		III S	
Pearl, Holman Isaac	10	***	141 Worcester St., Boston, Mass.
	7	VI	New Britain, Conn.
Peet, Albert Stanton	8	VI S	Callao, Peru, S.A.
Peirce, Frederic Newton	8	VI S	
Penland, Harry Oliver		II S	Union City, Ind.
Penny, Alec Newton, A T Ω		III	Diamond St., Philadelphia, Pa.
Pepper, Benjamin Ward		Ĩ	12 Granville St., Dorchester, Mass.
	8	VΪ	18 Huntington Ave., Boston, Mass.
Perry, Frederick Gardiner	0	1.4	to artiful ferror, Doston, prinss

Name and Society	Class	Course	Home Address
Perry, Henry John	10		17 Jerome Ave., West Newton, Mass.
Perry, Harold Robert	9	III	296 Norfolk St., New Dorchester, Mass.
Perry, William Graves, A.B., ΔΨ	7	IV S	135 Beacon St., Boston, Mass.
Pettingell, William Moulton	9	X	16 Otis Place, Newburyport, Mass.
Petzold, Herbert Robert	9	VΪ	107 Oxford St., Lawrence, Mass.
Pfeffer, Joseph Stanislaus	8		68 G St., South Boston, Mass.
Pfeil, Walter George, $\Delta$ T $\Delta$	8	II	The Tracy, 36th and Chestnut Sts.,
Tien, water deorge, ara	.0	11	
Phelps, Dudley Winston, X Φ	9	IV S	Philadelphia, Pa.
	7	III S	7 Hopper St., Utica, N.Y.
Phelps, Eugene, $\Delta$ T $\Delta$	8	VI	
Pierce, George Holt	8	II	26 Park St., Nashua, N.H.
Pierce, William Joseph		11	45 Davenport St., No. Cambridge, Mass
Pilling, Earl Wellington	10		Danielson, Conn.
Piper, Carleton French	10		Randolph, Mass.
Pitcher, Floyd Jacob	10	TTT 0	28 Preston Road, Somerville, Mass.
Pitkin, Charles Lewis, A.B	7	IV S	
Place, Alfred Griffin, ΘΔX	8 8 8 8	VI	Woburn, Mass.
Plumer, Edward Ashby	8	VI	69 Federal St., Newburyport, Mass.
Pollock, Robert Thomas	8	VI S	
Poor, Arthur Kenneth	8	II S	94 Pine St., Danvers, Mass.
Poor, Walter Everett	8	VI S	
Poore, Lester Dean	9	VI S	Georgetown, Mass.
Pope, Allen Pope, Chester Henry Pope, Joseph	7	II	36 Alderman St., Springfield, Mass.
Pope, Chester Henry	9	XS	
Pope, Joseph	8	XIII	36 Alderman St., Springfield, Mass.
Pope, Joseph	10	S	378 Commonwealth Ave., Boston, Mass.
Porosky, Matthew	8		10 Sunderland St., Roxbury, Mass.
Porosky, Matthew	10		18 Webster St., Taunton, Mass.
Potter, Eugene Voorhees	7	1	157 Walnut St. Somerville Mass
Powell, Paul Rulison, X Φ	8	II	157 Walnut St., Somerville, Mass. 709 Park Ave., Baltimore, Md.
Preston, Clifford Hamilton, A.B.	9	IV	Farmington, Maine.
Preston, Ralph Albion Drury	10		Box 328, Natick, Mass.
Price, Malcolm Dana, $\Phi$ B E	10		22 Dogant Circle Drockline Mass
	8	Ve	23 Regent Circle, Brookline, Mass.
Pritchard, Charles Morse		T S	17 Atwood St., Newburyport, Mass.
Putnam, Charlton Dascom, A Φ .	8	III e	53 Middlesex Ave., Reading, Mass.
Putnam, Henry Rice, ΔΨ	8		43 North Euclid Ave., Pasadena, Cal.
Quirk, Thomas Christopher	10	S	27 Quirk St., Watertown, Mass.
Radford, Charles Weston, $\Phi \Gamma \Delta$ .	8	I	453 Algoma St., Oshkosh, Wis.
Rambo, Marcellus, B.S., A T Ω	7	II S	Marietta, Ga.
Randall, Chester Joseph	10	** **	248 Ash St., Waltham, Mass.
Randall, John Ralph	7		518 12th Ave., S.E., Minneapolis, Minn.
Ranney, Willis, A	6	I	107 Virginia Ave., St. Paul, Minn.
Ransohoff, Nathan	10		Vernon Place, Mt. Auburn, Cincinnati, O.
Rapelye, Harry Andrew, $\Delta \Psi$ .	8	II	87 Washington St., Hartford, Conn.
Rayner, William Pearce, A.B.,			and the second s
$\Phi K \Psi$	7	II S	409 South Fountain Ave., Springfield, O.
Read, William Carleton	9	VIII	125 Broadway, Taunton, Mass.
Rebori, Andrew N	7		827 East 135th St., New York City.
Redfield, Clifford Steele	10		9 Shattuck St., Nashua, N.H.
Reed, Earl Howell, Jr., $\Delta$ K E	7	IV	4758 Lake Ave., Chicago, Ill.
Reed, James, Jr., Z X	Ġ	XIII A	Washington, D.C.
Reed, Walter Dickson	8	IV S	1005 56th St. Oakland Cal
Regnell, Ralph Tucker, A T \( \Omega \)	8		1005 56th St., Oakland, Cal.
	8	VIS	4 Holden St., Attleboro, Mass. Canton, Miss.
Reid, Joseph Gilman, A.B	8	TIL G	
Reilly, William Robinson, A T Ω .	0	III S	530 3d St., E., Salt Lake City, Utah.
Remick, Frank Harley	9	XIII S	23 High St., Methuen, Mass.
Remick, Paul	8	II S	
Remon, John Allen	8	VI	Juniper Point, Salem, Mass.

Name and Society	Class	Course	Home Address
Reppert, George Henry, B.S., $\Delta$ T Reyburn, John Randolph, A.B.,		VI	1045 South Negley Ave., Pittsburg, Pa.
$\Delta \Psi$	7	II S	4529 Lindell Ave., St. Louis, Mo.
Reyes, Francisco Damaso	8		273 Antonio Rivera, Manila, P.I.
Reynolds, Bergen, θ Δ X	10		142 Highland Ave., Somerville, Mass.
Reynolds, Herbert Gardner	10		83 Beltram St., Malden, Mass.
Rice, Lawrence Grout			9 Wilson St., Natick, Mass.
Rice, Roger Cushing	. 8	I	37 Mather St., Dorchester, Mass.
Rich, Everett	7	II S	1217 Pratt Ave., Chicago, Ill.
	9	. X	247 Fisher Ave., Brookline, Mass.
Richards, Joseph Lovering . Richards, Karl Willis, ΘΔX.	7		22 Regent St., West Newton, Mass.
	. 7	II	22 Regent St., West Newton, Mass.
Richardson, Edwin Cole	8	VI	239 Hilton Ave., Redlands, Cal.
Richardson, Harry Frederic Richardson, Holden Chester, Σ X	C		31 Williams St., Taunton, Mass. 311 Beacon St., Boston, Mass.
Dishardson, Holden Chester, 2 A	G	XIII A	120 10th Ct. N.E. Washington ID C
Richardson, Howard Barrett	. 10		132 10th St., N.E., Washington, D.C.
Richardson, Wallace Dunster	. 10	TIT	Rockingham, N.C.
Richmond, Arthur Clinton	. 8	III	East Taunton, Mass.
Riefkohl, Rudolf William, ΦΣΚ		II S	Maunabo, Porto Rico.
Rietschlin, Otto Rhinehardt	. 10	***	190 Lamartine St., Jamaica Plain, Mass.
Riley, Edward John	. 8	VI	37 Belmont St., Charlestown, Mass.
Ripley, Franklin, Jr., ΦΣΚ.	. 7	II	Troy, N.H.
Ripley, Read Isbell	8	1	31 Washington St., Malden, Mass.
Roads, George Mackay, X Φ	. 10		1129 Mahantongo St., Pottsville, Pa.
Robbins, Donald Goodrich, Φ B E	. 7	II	33 Mulberry St., Springfield, Mass.
Roberts, William Tracy	. 10	S	1923 1st Ave., Spokane, Wash.
Robinson, Burr Arthur, O A X	. 9	III S	311 14th St., Buffalo, N.Y.
Robinson, Charles Frederick	. 10		87 Brook St., Brookline, Mass.
Robinson, Clark Shove	. 9	X	18 Beltran St., Malden, Mass.
Robinson, Elmo Arnold	. 9	VII	Canandaigua, N.Y.
Robinson, Frank John	. 8	IV	75 Gainsboro St., Boston, Mass.
Robinson, Kenneth Caleb	. 10		33 Batavia St., Boston, Mass.
Robinson, Winslow Davis, AKE.	. 7	XIII	8 Harrison St., Stapleton, S.I., N.Y.
Roby, Thomas Walton, Jr., B.S.	7	I	8 Raleigh Square, Norfolk, Va.
Rockwell, Selden Emmett, Ph.B.	7	II	Denver, Colo.
Rockwell, Willard Frederick	. 10		131 Wilmington Ave., Dorchester, Mass.
Roco, Mateo	. 8	IS	San Sebastian, Manila, P.I.
Rodman, Samuel Sewall	. 10		Wellesley Hills, Mass.
	. 9	II	Rutherford, N.Y.
Roed, Vernon Stone, $\Delta$ T $\Delta$	7	III S	
Roper, Thomas Avery	. 10	S	
Rountree, Walter Jefferson	. 9	II S	Quitman, Ga.
Rowe, Louis Griffin	. 10		4 Blynman Ave., Gloucester, Mass.
Ruckman, John Hamilton	. 10		Presidio, San Francisco, Cal.
Ruff, De Witt Clinton, Φ Γ Δ.	. 7	II S	603 Lincoln Ave., St. Paul, Minn.
Ruggles, Henry Jason	. 7	I	65 Wendell St., Cambridge, Mass.
Russ, Donald Edwin	. 7	V	12 Hone Ave., Oil City, Pa.
Russell, Clifford Barstow	. 7	II S	West Hanover, Mass.
Russell, Earl Simmons	10	II	West Hanover, Mass.
Russell, Foster	. 9	II S	
Russell, Foster Russell, Leonard Pomeroy, Φ B E		VI	
Ryden, Roy Warren, 2 X	7	XIII A	Wendell Ave., Pittsfield, Mass. 1100 Lyon St., Des Moines, Iowa.
Ryman, James Nye, A.B.	9	VI	
	. 7	VIII	Matagorda, Texas.
Sage, Merton Wilfred			18 Bradshaw St., Medford, Mass.
Salathé, Frederick	. 9	V S	Casper, Wyo.
Salisbury, George Forsyth, AKE		II	1223 Bradford Rd., No. Andover, Mass.
Sampson, Miles	. 8	III	South Hanson, Mass.
Sampson, Roswell Eustis	. 6	III	52 Washington St., Medford, Mass.
Sando, Joseph Blair, Σ A E	. 8	II	505 Quincy Ave., Scranton, Pa.

Name and Society		Class			
Name and Society	17 .7.	Cinss	Cour	se	Home Address
Sargeant, French Philbrick, Φ	KΨ			10	741 Chestnut St., Manchester, N.H.
Sargent, Edward Haynes .		6	I	S	11 Titcomb St., Newburyport, Mass.
Sargent, Horace Stillman	- 2	8	II	S	127 Prospect Ave., Revere, Mass.
Sargent, Samuel Peter		6		S	
			1	1	
Savaga Edger Channing		10		L	319 W. 94th St., New York City.
Savage, Edgar Channing		10			117 Richmond St., Dorchester, Mass.
Savage, Edward Michael .	1	- 8	I		24 Bradley St., Somerville, Mass.
Savage, Edward Michael Sawyer, Luke Eugene		10			56 Chestnut Hill Ave., Brighton, Mass.
Scannell, Albert Terence		8	II		535 Westford St., Lowell, Mass.
Schaaf, John		9	I		547 East Utica St., Buffalo, N.Y.
Schaffer Harold		0	III		Nambanda Cana Town South At-
Schakne Jacob Haral		8			Newlands, Cape Town, South Africa.
Schakne, Jacob Herzl		0	VI		2218 Center Ave., Pittsburg, Pa.
Scharff, Maurice Roos		9	XI		600 North Union St., Natchez, Miss.
Schell, Frank Reamer, A.B., K	A	9	VI	S	Harrisburg, Pa.
Schellens, Christopher Avery		10			P. O. Box, 4 Groton, Conn.
Schenck, Garret, Jr. Scheuer, Jerome Schirmer, Rens Edward		9	V	S	Weston, Mass.
Scheuer, Jerome		10		_	140 West 120th St., New York City.
Schirmer Rens Edward		8	VIII		17 Park St. West Denkum Man
Schleicher, Henry Matthias .			ATTT		17 Park St., West Roxbury, Mass.
Schwidt Endris Dalas .		10	***	-	16 Williams St., Roxbury, Mass.
Schmidt, Frederic Becker, $\Delta \Sigma$	Φ.	7	IV		
Schneider, Franz, Jr., $\Phi \Gamma \Delta$ .		8		S	
Schobinger, George, A.B.		- 8	I	S	Morgan Park, Ill.
Schofield, William McNair, φ Γ	Δ.	10			Newtonville, Mass.
Schreiber, Henry, Jr.		10			13 Bishop St., Jamaica Plain, Mass.
Schriefer, Herman Carson, 4 K	52	8	TIT	0	Conoucio Decolden N.V.
Schule, Hugo Arnold, AT			111	D	Canarsie, Brooklyn, N.Y.
		10		~	410 School St., Chicago, Ill.
Scott, Edward James		8	1	8	257 Haverhill St., Lawrence, Mass.
Seeley, Nathaniel Stevens, X 4		10			Flushing, N.Y.
Seibert, Victor Elmer		10	IV	S	411 Jefferson St., Walla Walla, Wash.
Sewell, Henry Rollo, ATA		8	II	8	404 Briggs Ave., Hastings, Neb. 1517 11th Ave., W., Seattle, Wash.
Shaffer, Guy Fiske		10		8	1517 11th Ave W Scattle Week
Shalling, Henry Waldo Sharman, Frank Weller Sharp, Benjamin Karl, ΔΣΦ		8	VI	Q	36 Elm St., Stonington, Conn.
Sharman Frank Weller		8	IV	0	11 Invinctor Ct. Destar Man
Sharn Ranjamin Kaul A S &		7	VIII		11 Irvington St., Boston, Mass.
Sharp Hareld A S.A.	-	6	XIII		24 Elm St., Brookline, Mass.
Sharp, Harold, $\Delta \Sigma \Phi$ . Shaw, Arthur Lassell, $\Delta T \Delta$ .	2	9		S	Nantucket, Mass.
Shaw, Arthur Lassell, $\Delta$ T $\Delta$ .		9	I		271 Chestnut St., Clinton, Mass.
Shaw, Carroll Harper		10			North Abington, Mass.
Shaw, Lawrence Copeland		9	V	S	303 Pleasant St., Brockton, Mass.
Shedd, Ray Elmer		6	I		212 Highland Ave., Somerville, Mass.
Sheehan, John Joseph		8	VI	8	63 Bernard St., Dorchester, Mass.
Shen Tin Ching		8	VI	ě	Foo Chow, China.
Shen, Tin Ching		10		0	200 Tadiona A. D. J. D. T.
Classical Transfer Could	100			S	208 Indiana Ave., Providence, R I.
Sherman, Henry Lancey, AT		9	I	2	505 Lockehaven St., Pasadena, Cal.
Sherman, Max Christopher .	+	10	II		11 Fairview Terraec, W. Newton, Mass.
Shields, Frank Brown, YAE.		7	V		215 N. Chestnut St., Seymour, Ind.
Shillaber, Charles Patten, Jr.	4	9	III	S	South Framingham, Mass.
Shippee, Allen Edward		9	X	8	East Greenwich, R.I.
Silsbee, Francis Briggs		10		17.	9 East Haverhill St., Lawrence, Mass.
Simm, Roy		9	II		500 Trapale David Wasseley Wasse
Simonds Poland Scott			11	0	580 Trapelo Road, Waverley, Mass.
Simonds, Roland Scott		10		S	42 Salem St., Bradford, Mass.
Sinclair, Joseph Henry, A.B.		8	I		9 Costar St., Rochester, N.Y.
Sissa, Ugo		7	VI	S	Revere, Italy.
Sissa, Ugo Sittinger, Carl Joseph Slack, Edgar Percival	2	10			59 Delle Ave., Roxbury, Mass.
Slack, Edgar Percival		7	VI		North Abington, Mass
Sloss, Alexander Coffee, Jr		8		S	3631 Lindell Block, St. Louis, Mo.
Small, Gilbert		8 7	ΙÎ	-	428 Lexington St. Waltham M-
Smith, Edward Richard	18	8		9	428 Lexington St., Waltham, Mass.
Smith Empois Saward	15		1	33	69 Cross St., Malden, Mass.
Smith, Francis Seward	1	10			67 North Ash St., Brockton, Mass.

Name and Society		Cour	88	Home Address
Smith, Harold Alfred	10			67 Woodlawn St., Lynn, Mass.
Smith, Otis Sanborn	10			Laconia, N.H.
Smith, Robert Lewis	9	11		14 Cross St., Roslindale, Mass.
Smith, Theodore Lincoln Smith, Tracy, A.B.	7	11	S	Concord, Mass.
Smith, Tracy, A.B	7	VI		77 Chestnut Ave., Waterbury, Conn.
Smith, Xanthus Russell	9	XIII		Weldon, Montgomery Co., Pa.
Sneddon, James Stuart, $\Phi \Gamma \Delta$	10	-		120 Park Ave., Barberton, Ohio.
Sniggs, Clark Dee	9	T	S	184 Cleveland Ave., Buffalo, N.Y.
Snow, Edwin Bertrand, Jr	5	ΙÎ		Medfield, Mass.
Snow, Sydney Ingalls	10			
Snyder, Clifford Earl	10		ы	Rockland, Me.
	9	Ш		Pittstown, N.J.
Souls Winson A D	7			262 Endicott Ave., Beachmont, Mass.
Soule, Winsor, A.B.		IV		1571 Beacon St., Brookline, Mass.
Southgate, Stewart Swan	10	***	- 01	718 Main St., Worcester, Mass.
Sparrow, Martin Olmsted	10	VI		Condersport, Pa.
Spear, Herbert Gay, ΣAE	7	X		
Spencer, Henry Kendall	9	II		29 Stratford St., Dorchester, Mass.
Spengler, Warren Daniel, B.L.	8	VI		5901 Thackeray Ave., Cleveland, O.
Spiehler, Clarence Herbert	7	II		580 Averill Ave., Rochester, N.Y.
Spooner, Thomas, A.B	8	VI		2 Union St., Auburn, Me.
Spurr, Henry Vose	8	I		308 Mystic St., Arlington, Mass.
Squire, Edmund Hineks, ΦΣΚ	8 8 7	II		16 Washburn Ave., Auburndale, Mass.
Standley, Chester Larcom, OX .		II	S	Norwood Ave., Manchester, Mass.
Starkweather, Oscar Henry, O A X	8 7	IV		Needham, Mass.
Steele, Carroll Dame	8	XIII		26 Columbia Road, Dorchester, Mass.
Steese, Charles Mullin, Φ K Σ.	8	II		Mt. Holly Springs, Pa.
Stein, Arthur Leon, $\Theta \Xi$	10	ΥÎ		307 Madison Ave., Scranton, Pa.
Stephenson, Joseph Newell	9	X		Great Barrington, Mass.
Stevens, Fred Barstow, Jr	8	II		
Stevens, John Codding	9	I		152 Washington St., Lynn, Mass. 458 Holly Ave., St. Paul, Minn.
	10	II	0	
Stevens, Oliver			d	Park St., Lowell, Mass.
Stevenson, Albert Fletcher	7 7	TI	0	41Princeton St., East Boston, Mass.
Stevenson, Robert Pevey		11	0	45 Princeton St., Lowell, Mass.
Stewart, Frank Douglas	10		CY	812 Hemlock St., Helena, Mont.
Stewart, Joseph Baird, Jr.	8	I	S	
Stiebel, Herbert Joseph, $\Delta \Sigma \Phi$ .	9	111		62 Cypress St., Brookline, Mass.
Stocking, William Arthur, B.S.,				
Τ Β Π, Σ Ξ, Κ Σ	8	IV	s	
Stockwell, Frank Clifford, A.B.	7	VI		South Framingham, Mass.
Stone, Clarence Nelson, A.B.	9	VI		Fryeburg, Me.
Stone, Edward Jonas	7	VI		Sherborn, Mass.
Stone, Leo Solomon	8	I		59 Fort Ave., Roxbury, Mass.
Story, Carroll Fitch, B.S., B O II .	7	XI		57 Loan & Trust Bldg., Milwaukee, Wis.
Stover, Frederick Haskell	10			20 Olive St., Newburyport, Mass.
Streeter, Harold Warner	6	XI	S	51 Ashland St., North Adams, Mass.
Stuart, Edward, $\Delta \Sigma \Phi$	10			5 Mt. Vernon Place, Boston, Mass.
Stubbs, Norman Higgins, ATA .	9	VI	8	2897 Kenmore Ave., Chicago, Ill.
Stump, Horace Eugene, Jr., OZ .	10			5407 Jefferson Ave. Chicago III
Sullwold, Herbert Arthur, B O II .	7	IV		5407 Jefferson Ave., Chicago, Ill. 807 Holly Ave., St. Paul, Minn.
	9		Q	Shoa Chow, China.
Sun, To-Tan	10	111	20	15 Poking Pood Shanghai China
		иих	10	15 Peking Road, Shanghai, China.
Sutton, Loyd Hall	8	III		32 West Main St., Marlboro, Mass.
Sweeny, Harry Patterson, A.B.	8			Stroudsburg, Pa.
Swett, Phelps Nash, $\Phi \Gamma \Delta$	7	VI	CI	1851 Mass. Ave., Cambridge, Mass.
Symons, Harold Mortimer	9	VI	0	716 Grand Ave., Laramie, Wyo.
Tabor, John Rooney, B.S.	9	IV	-	2610 Main St., Houston, Texas.
Taite, Frank Griffiths, Φ B E	9	I	S	915 South 47th St., Philadelphia, Pa.
Tashjian, Armen H., A.B.	7	IV	8	Smyrna, Turkey.

Name and Society	Class	Course	Home Address
Talbot, James Martin, A.B., Φ N Θ	8	II	249 Roseville Ave., Newark, N.J.
Taylor, George Rodney, B.S.	7	VII S	Charlton, Mass.
Taylor, Irvine Simons	7	I S	Earlville, Ill.
Taylor, Philip Weston	10		19 Maple St., Arlington, Mass. Lunenburg, Vt.
Taylor, Richard Raymond	10	S	Lunenburg, Vt.
Taylor, Robert Kellogg	7	XI	South Glastonbury, Conn.
Taylor, William Chittenden	8	VS	Wiscasset, Me.
Temple, Raymond Barrus	9	II	35 Temple St., Reading, Mass.
Terry, Philip Dunbar	10		Waterville, N.Y.
Tetlow, John, OX	7	XS	111 Friend St., Adams, Mass.
Thacher, Sheldon Perry	7 7	VS	162 Capitol Ave., Hartford, Conn.
Thayer, Robert Ellis	7	II S	28 Tudor St., Chelsea, Mass.
Thode, Allan Fredrick	7 8	VI S	144 Dudley St., Roxbury, Mass.
Thomas, John Joseph	7	II	114 Taylor St., Waltham, Mass.
Thompson, Abbot Howe, Φ K Σ .	8	VI S	Brookfield, Mass.
Thompson, Maurice Raymond .			East Lexington, Mass.
Thompson, Paul Ellis, ΦΣK	10		45 Powell St., Brookline, Mass.
Thompson, Rebecca Hull	9	IV	Honolulu, T.H.
Thompson, Stansbury, Σ A E	8	IS	Lawrence, Kans.
Thompson, Uldric, Jr	10	S	Honolulu, T.H.
Thomson, Henry Bowers, B.S.	G	IV	Technology Chambers, Boston, Mass.
Thorndike, John Richard, A.B.	7		Beverly Farms, Mass.
Thornley, Albert Edward	9	II	7 Belmont St., Pawtucket, R.I.
Thornton, Edmund Abiel	7	Î	7 Pearl St., Stoneham, Mass.
Throckmorton, Oak Lee, Σ A E .	8		1031 North Topeka Ave., Wichita, Kans.
Thurlow, Leavitt Weare	8	XS	55 Marlboro St., Newburyport, Mass.
Tilden, Merrill William	10	24.10	42d and Halstead Sts., Chicago, Ill.
Tillard, Thomas Atkinson, A.B.,	10		is a mine state of the state of
X Φ	9	I	Petersfield, England.
Tobin, James Joseph	9	XIII S	
Tobin, John Theodore, $\Theta \Delta X$	8	I	43 East Newton St., Boston, Mass.
Todd, Robert Boardman	8	XS	
Tolman, Edward Chace	10	22 10	84 Highland St., West Newton, Mass.
Tolman, Richard Chace, B.S.	G	VIII	West Newton, Mass.
Tomonaga, Goro	8	II S	
Toner, Charles James	10	S	
Toppan, William Hervey	8	X	120 High St., Newburyport, Mass.
Topossian Aram	8	IV	335 Washington St., Norwich, Conn.
Torossian, Aram Torrey, Ralph Martin	10		88 Centre St., Brookline, Mass.
Towle, Franklin Thompson, Φ K Σ	8	II	87 Sawyer Ave., Dorchester, Mass.
Towle, Frankin Thompson, 7 it 2	7	Ī	91 Vernon St., Waltham, Mass.
Towle, Freeman Eugene Townsend, John Michael	10		157 Lowell St., Somerville, Mass.
Tresnon, John Ewart	7	VI	16 Gage St., Lancaster, England.
Trimingham, Kenneth Fenton .	9		Hamilton, Bermuda.
Trinn James Gregory A E d	10	zerr D	418 Central Park West, New York City.
Tripp, James Gregory, ΔΣΦ	8	Y S	4 Greenleaf St., Newburyport, Mass.
True, Harold Edwin	10	22.0	130 Dean Road, Brookline, Mass.
Truette, Arthur Fierce	9	III S	Hang Chow, China.
Tsai, Yuan Tzu		III S	Kwang Tung, China.
Tse, Tsok Kai		VS	
Tsukakoshi, Utaro	7 7 7	VII	22 Chestnut Ave., Jamaica Plain, Mass.
Tully, Edward Joseph	7	VI	56 Sheafe St., Malden, Mass.
Turkington, Everett Esten	9	II	2 Park Terrace, Hartford, Conn.
Turnbull, Myrton James, AKE .	6	II	Tuckahoe, N.Y.
Turnbull, William Fyfe	8	I	
Turner, Arthur Hubesty	8	II	Philadelphia, Pa.
Turner, Channing, $\Delta \Psi$	7	VI S	Geneva, Ill. 1021 4th St., S.E., Minneapolis, Minn.
Turner, Claude Vernon, Ph.B.	6	III 6	24 Pelham St., Newton Centre, Mass.
Turner, Douglas Bennett, K 2 .	0	111 8	24 I chiam St., Newton Centre, Mass.

#### · LIST OF STUDENTS ·

	Name and Society	Class	Cours	ie	Home Address
	Turner, Edgar Ames	8	II	S	4516 Maryland Ave., St. Louis, Mo.
	Turner, Henry Charles, Jr	9		S	556 Newbury St., Boston, Mass.
	Turner, Marie Celeste	9	IV		556 Newbury St., Boston, Mass.
D	Turner, Sterling	10		S	
	Tutlill Dalah Walla & F V		VIII		135 Bridge St., Salem, Mass.
	Tuthill, Ralph Wells, Φ K Σ	9	XIII	0	718 Wabash St., Michigan City, Ind.
	Tuttle, John Culliton	10			21 Flint St., Salem, Mass.
	Tylee, Arthur Kellam, $\Delta \Sigma \Phi$ .	7	VI		7 Washburn Terrace, Brookline, Mass.
	Udale, Stanley Martin, B.S	6	II		11 Birch Grove Ealing, London, Eng.
	van der Stucken, Frank Ryland .	7	I		Cincinnati, Ohio.
	Van Inwegen, Willard Bull, A.B.,				
	ZΨ	8	1	S	29 Cole St., Port Jervis, N.Y.
	Van Keuren, Alexander Hamilton,				
	ΣΧ	7	XIII	Α	Howell, Mich.
	Vecker, Simon Paul	10		-	57 Black St., Providence, R.I.
	Vonn Coorgo Iomos	7	WI	Q	27 Ladward St. Datroit Wish
	Venn, George James	-	VI	0	
	Very, Samuel Rogers Taylor .	7	IV		Warehouse Point, Conn.
	von Eetvelde, Raymond	9	II		
	Vonnegut, Kurt, $\Delta \Upsilon$	8	IV		618 East 13th St., Indianapolis, Ind.
	Vose, Chester Andrew, $\Delta \Sigma \Phi$ .	7	1	S	Marion, Mass.
	Wadsworth, Prescott Kingsley,		- 2		
	ΔKE	10			Eastport, Maine.
91	Waitt, Weymer Hinckley	10			New York, N.Y.
	Waldo, William Ratcliffe, $\Delta \Sigma \Phi$ .	10			44 Grover Ave., Winthrop, Mass.
	Waldo Willis Garsham Ad	6	I		
	Waldo, Willis Gersham, ΛΦ	7		G	Wyoming, Cincinnati, Ohio.
	Walker, Laurence Tidd, ΘΞ .	7	AI	0	Stoneham, Mass.
	Walker, Philip Bangs	7	I		Needham, Mass.
	Wallis, George Edward	9	II		14 Enon St., Beverly, Mass.
	Walls, James Newman	9	X		70 Grant Ave., Waverley, Mass.
	Walsh, John Henry	G	XIII	A	Washington, D.C.
	Walsh, Raycroft	10		S	421 Meridian St., East Boston, Mass.
10	Walter, Ernest Albert, B.S	G	IV		Walter's Park, Pa.
	Walter, Ralph Collins, Φ Γ Δ	7	VI	S	3142 Calumet Ave., Chicago, Ill.
	Walters, Charles Franklin	9	Î		Langley, Va.
	Ware, Charles Edwin, Jr., $\Delta$ T $\Delta$ .	9	VI		5900 West Cabanne Place, St. Louis, Mo.
	Ware Emest Alongo	9	XI	8	54 Dartmouth St. Somewille Mars
	Ware, Ernest Alonzo	7			54 Dartmouth St., Somerville, Mass.
	Ware, Raymond		XIII	0	11 Sayward St., Dorchester, Mass.
9	Warner, Benjamin Isaac	10			314 Main St., Wheaton, Ill.
	Warren, Edmund Leon, A.B.,	100	12.00		
	ФВЕ, ФВК	8	VI		South St., Grafton, Mass.
	Warren, Van Court, Φ B E	10			East Dennis, Mass.
	Washburn, Edward Wight, B.S	G	V		51 Greenbriar St., Dorchester, Mass.
	Washburn, George Ellery	7	VIII		Forest St., Lexington, Mass.
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		10		10	Johannesburg, Transvaal.
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	Watson, Roy Stuart	8	II	0	
	Wattles, Joseph Warren, 3d	8	11		Canton Junction, Mass.
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	Weeks, Lester Sumner	8	VI	-	72 Granville Ave., Malden, Mass.
	Weiler Pudelph Poynton	8 8	II		26 Prooks St. Prinkton Mass.
	Weiler, Rudolph Boynton				26 Brooks St., Brighton, Mass.
	Weill, Melville Kaiser, $\Phi \Sigma K$	9	II	C	Apartado 863, City of Mexico, Mexico.
	Weinhagen, George, Jr., Φ K Σ .	9	11	0	2306 Cedar St., Milwaukee, Wis.

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Name and Society	Class	Course	Home Address	
Welch, Geoffrey Wheaton, ⊕ Ξ .	7	VI	Fergus Falls, Minn.	
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Walle Sidney Doods	7	X	23 Selwyn St., Roslindale, Mass.	
Wells, Sidney Deeds	0	VII	23 Selwyn St., Roslindale, Mass.	
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Wemple, Leland Edward, $\Phi \times \Sigma$ .	0	VS	Waverly, Ill. Canton, China.	
Wen, Ching Yu	8	III S	Canton, China.	
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Wentworth, Philip Montgomery .	9	VI	Wellesley Hills, Mass.	
Wertheim, Herbert Joseph	9	III S	Kensington Road, South Yarra, Mel-	
			bourne, Australia.	
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Wheeler, Rodney, $\Theta$ X	10	**	Concord, Mass.	
Whicelet, Rouley, O.A.	77	XI	Sherborn, Mass.	
Whipple, Leyland Clement	6			
Whitaker, Harry Emerson, Σ A E	9	VI	118 Hunnewell Ave., Newton, Mass.	
White, Clifton Hackett	9	III	58 Grafton St., Newton Centre, Mass. 266 Albion St., Wakefield, Mass.	
White, Cyrus Newell	10		266 Albion St., Wakeheld, Mass.	
White, Joseph Henry, Θ X	8	XI S	48 Holly St., Lawrence, Mass.	
Whited, Oric Ogilvie, Jr., A.B.	7	V S	300 Washington Ave., S.E., Minneapolis,	
			Minn.	
Whithed, Houghton Hamilton, Y X	10		147 Reeves Ave., Grand Forks, N.D.	
Whiting, Mason Tuxbury, A.B.	7	IS	145 Essex St., Longwood, Mass.	
	8	IS	3½ Dover St., North Cambridge, Mass.	
Whitmore, Charles William	7	VI		
Whitney, Erle Francis, $\Delta \Psi$		VI	Natchez, Miss.	
Whitney, James Theodore	10	TIT O	13 Gould St., Wakefield, Mass.	
Whittemore, Joseph Damon, Φ B E	7		70 Hunnewell Ave., Newton, Mass.	
Whittemore, Leslie Clifford	7	XI	4 West Pine St., Milford, Mass.	
Whittemore, Theodore Browning,				
ΔKE	10		25 Fairview St., Yonkers, N.Y.	
		II	150 Bowler St., Lynn, Mass.	
Whitten, C. Ernest, $\Delta$ T $\Delta$ Whittle, George Dilley, B.S., $\Phi$ $\Delta$ $\Theta$	8		Georgetown, Mass.	
Wholler Pay Augustus Loopard	10	1 10	21 Marcella St., Roxbury, Mass.	
Wholley, Roy Augustus Leonard .			140 Bancon St. Harda Park Mass.	
Whorf, Allison Howes	10	TIT	140 Beacon St., Hyde Park, Mass. 17 Park St., Wakefield, Mass.	
Wiggin, Albert Edward	7	III	17 Park St., Wakeneld, Mass.	
Wight, Malcolm Gardner	6	1 5	334 Washington St., Wellesley Hills, Mass.	
Wilbur, Harold Raymond	10		Kingston, Mass.	
Wilkins, Harold Street	6	II	Wallingford, Conn.	
Wilkinson, Thomas Lambert, B.S.	8	IS	Riverside, N.J.	
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Willcomb, Roland Howard	7	III S	Ipswich, Mass.	
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Φ Κ Ψ	- 8	V	Catasauqua, Pa.	
Wires, Ephraim Stanley	7	11	34 Claffin St., Milford, Mass.	
Witmer, George Stone, X Φ	8	VI S	1109 16th St., N.W., Washington, D.C.	
Wohlgemuth, Bert	10	VI	34 Claffin St., Milford, Mass. 1109 16th St., N.W., Washington, D.C. 1051 Mahoning Ave., Youngstown, O.	
Wohlgemuth, Bert	9	II S	415 Massachusetts Ave., Peoria, Ill.	
Wonson, Harold Sayward	7	XIII	149 East Main St., Gloucester, Mass.	
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#### · LIST OF STUDENTS ·

Name and Society	Class	Course	Home Address
Wood, Dana Melvin	6	IS	35 Myrtle St., Belmont, Mass.
Wood, Frederick Brayton, X Φ .	9		Fifth Ave., Park Heights, Baltimore, Md.
Woodbridge, Richard George, Jr	7	V	23 Main St., Wallingford, Conn.
Woods, Walter Samuel	9	VI S	37 High St., Germantown, Pa.
Woodward, William Lysander,		1000	or angle only deministrating and
ΔKE	7	XS	1513 16th St., Washington, D.C.
Wright, Julian May, ΔΨ	6	XIII S	25 East 30th St., New York City.
	10		16 Ruthven St., Roxbury, Mass.
		IV	
	10		Cairo, Egypt
77 1 77 11	1.00		Tokio, Japan.
Yamada, Hachiro Yates, Isaac Irving, Σ X Yendo, Masanao	G		Schenectady, N.Y.
Yendo, Masanao	7		Morioka, Japan.
York, Waldo Cornell	8	IS	70 Russell St. New Bedford Mass
Young, Philip Endicott, AKE	9	II	25 Marion St., Dedham, Mass. Exeter, N.H. S.W. Ninth & Park Ave., Des Moines, Ia.
Young, William Augustus	6	IS	Exeter, N.H.
Youngerman, Conrad	7	IV S	S.W. Ninth & Park Ave. Des Moines, Ia.
Zahner, Robert Van Lier, A.B.	9	II	Adams, Mass.
Zook, M. Alva	10	IS	544 West Chestnut St., Lancaster, Pa.



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Pulleys: Yale & Towne Co., New York.

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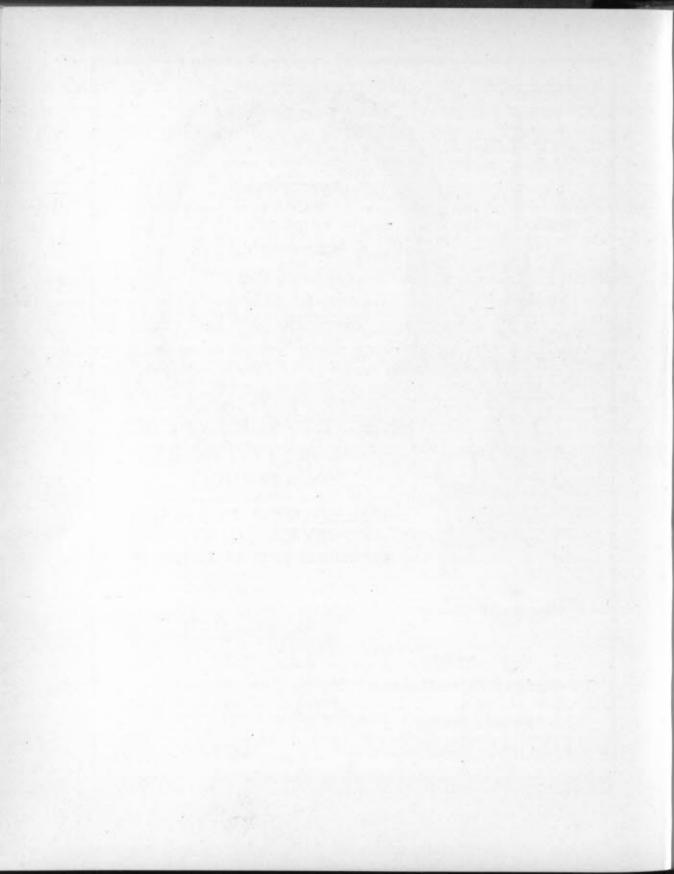
WOODWORKING MACHINERY: S. A. Woods Machine Co., South Boston.



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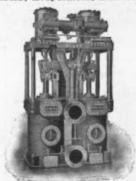
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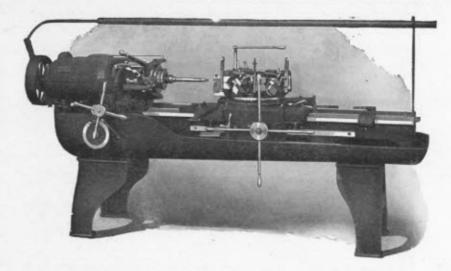
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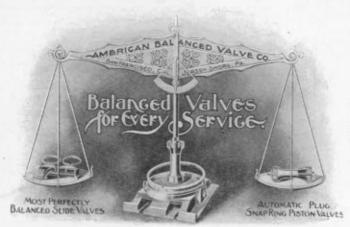
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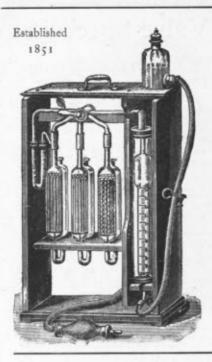
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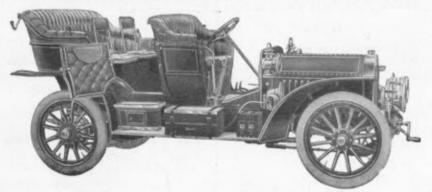
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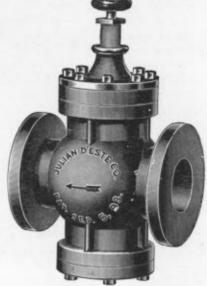
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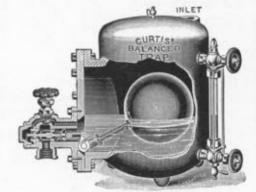
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- Circulars of the Departments of Mechanical Engineering; Mining Engineering; Physics and Electro-Chemistry; Architecture; Chemistry and Chemical Engineering; Biology; Naval Architecture. Circulars in Regard to Admission of Students from other Colleges; Summer Courses; Advanced Study and Research; The Research Laboratory of Physical Chemistry; The Graduate School of Engineering Research

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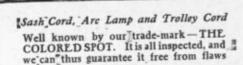
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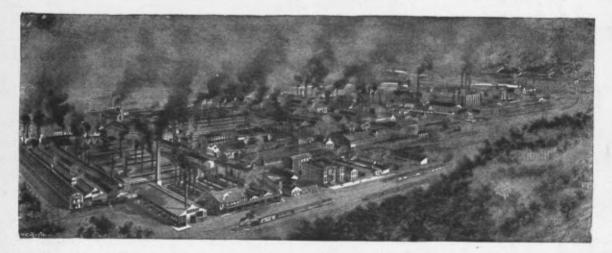
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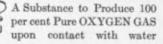
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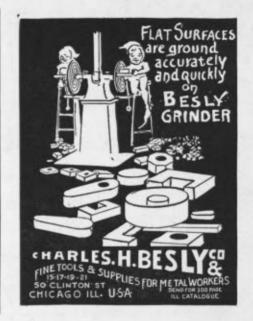
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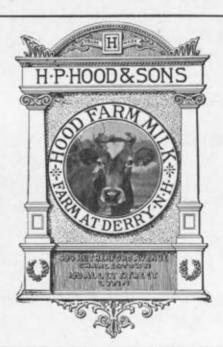
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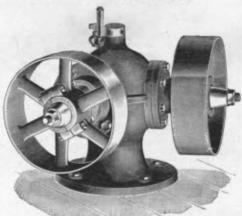
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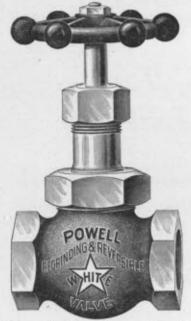
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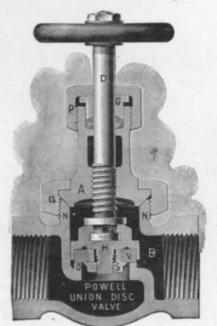
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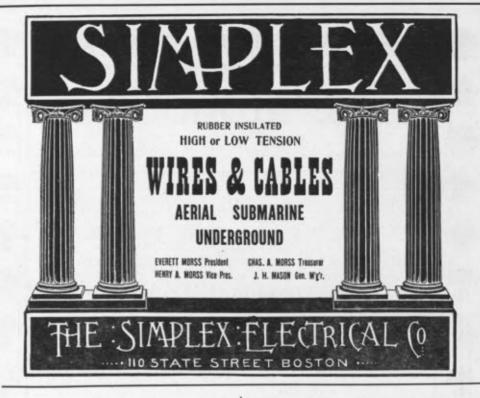
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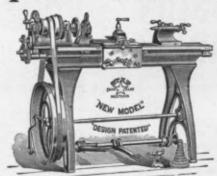
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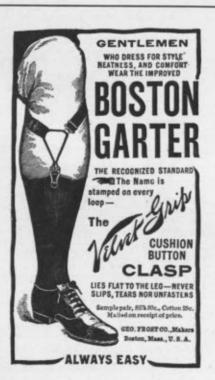
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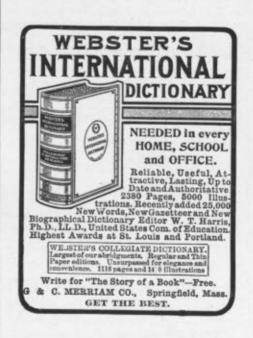


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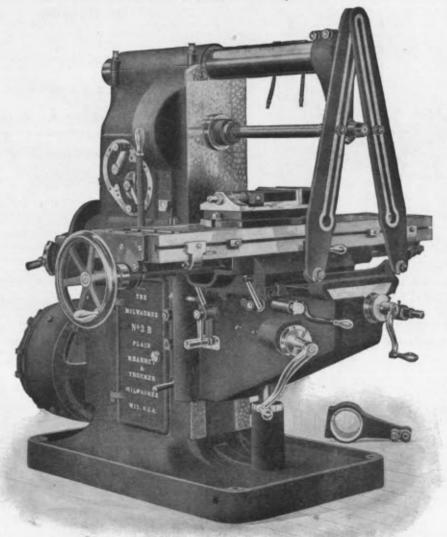
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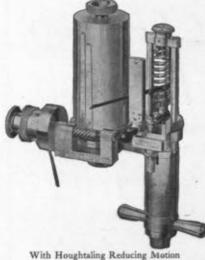
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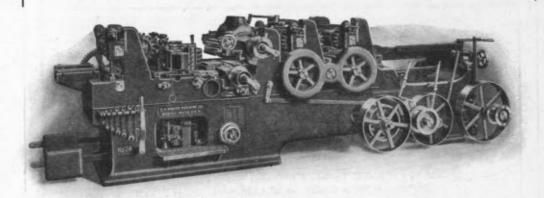


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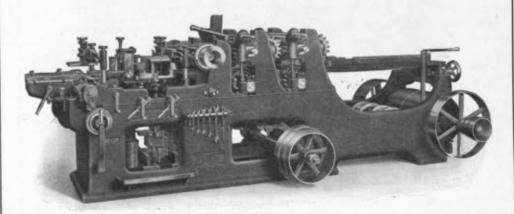
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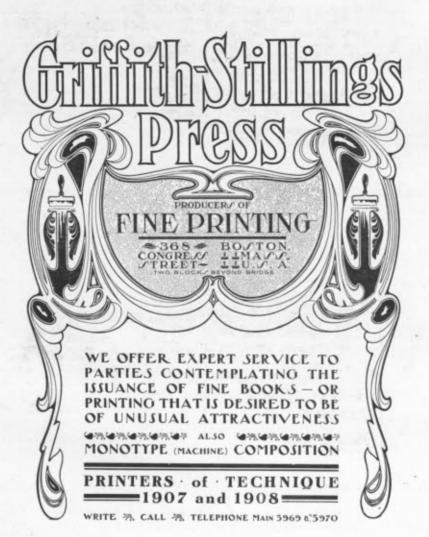
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