To the Memory
of our late beloved President,
Francis Amasa Walker,
All that may be worthy in this book
is affectionately dedicated.
Dedication .................................................. 3
Greeting ...................................................... 5
The Corporation ........................................... 8
Officers of Instruction ................................. 10
The Faculty .................................................... 32
Francis Amasa Walker ...................... 33
Class Histories ............................................. 54
Fraternities .................................................... 77
Local Societies ............................................... 99
Professional Societies ......................... 121
Musical Organizations ......................... 133
Miscellaneous ............................................... 141
Publications ............................................... 169
Athletics ..................................................... 175
William Montague Hall ...................... 212
Architectural Summer School .......... 216
Technology Club .......................................... 219
Grinds ......................................................... 223
Verse ............................................................ 251
Quotations ..................................................... 260
Statistics ...................................................... 266
Register of Students ............................ 279
Index ........................................................... 311
Advertisements ............................................ 317
THE TECHNIQUE BOARD of '98 feels that it has labored under peculiar difficulties. Aside from the blow that has fallen upon the Institute at large, the Board has suffered two severe misfortunes in the sudden death of one of its members, and in the illness and absence for a time of the Editor in Chief.

The two especial ends sought in this book have been, valuable and accurate statistics, and humor which should amuse and not offend. "A jest's prosperity," however, "lies in the ear of him that hears it, never in the tongue of him that makes it." The Editors ask, then, for a charitable construction upon this part of their work, not one line of which has been penned in other than a spirit of cordial good nature. Everything in the book is, as usual, exclusively the work of undergraduates and alumni of the Institute.

The Board is especially pleased to have been enabled to present the book in a more pleasing shape than has been possible in the past, by the addition of a leather binding.

The Editors trust that the shortcomings in their work may be extenuated by the circumstances mentioned, while the praise for any merit the volume may contain is due to the Class of '98, in whose name this TECHNIQUE is edited and published.
1896-97.

APRIL, 1896.

5. Opening of Junior Week.
6. Fourth L’Avenir and Deutsche Verein lecture: “Goethe’s Herman and Dorothea, Evangeline, and The Courtship of Miles Standish,” by Professor Vogel.
Annual Spring Concert of the Glee, Banjo, and Mandolin Clubs in Huntington Hall.
8. TECHNIQUE, Volume XI., issued.
Technology Theatricals, under the management of the Walker Club, in Copley Hall.
25. Technology wins her heat in the Intercollegiate Relay Race, held at Philadelphia, under the auspices of the University of Pennsylvania.

MAY.

2. Exhibition of the Beaux Arts Competition Drawings, in the Architectural Building.
15. Intercollegiate Drill, at Mechanics Hall. Technology defeats Brown in the Battalion Drill, and W. M. Corse wins the Individual Competition, between Brown, Amherst, Harvard and Technology.
22. Annual Meeting of the N. E. Intercollegiate Press Association, as guest of “The Tech,” followed by a Dinner at the Vendome.
23. N. E. I. A. A. Meet at Worcester.
27. Outdoor Class Championship Games. Championship won by the Class of Ninety-eight.

JUNE.

5. Alumni Reception tendered to members of the Faculty and Senior Class at Exchange Club.
6. Concert given by the Glee, Banjo, and Mandolin Clubs to the Senior Class and its friends, in Huntington Hall.
7. Baccalaureate Sermon by the Rev. Dr. Donald, of Trinity Church, in Trinity Church.
9. Graduating Exercises, Huntington Hall.

SEPTEMBER.

30. The thirty-first school year of the Institute opens with 1,200 enrolled students.
OCTOBER.
3. Y. M. C. A. Reception to the Class of Nineteen Hundred.
4. Annual Address to the Freshman Class, by President Walker, in Huntington Hall.
7. The Technology Club formally opened.
9. Athletic Mass Meeting, held in Huntington Hall.
10. The Republican Club organized.
24. Fall Handicap Games, on the Irvington Oval.
30. Republican Parade of Students.

NOVEMBER.
11. Annual Sophomore-Freshman Cane Rush and Football Game, on South End Grounds. Rush resulted in a tie between Ninety-nine and Nineteen Hundred; score, 19-19. Game won by Ninety-nine; score, 6-6.

DECEMBER.
12. Annual Indoor Class Championship Games, in the Gymnasium. Championship won by the Class of Ninety-eight.
19. L'Avenir Theatricals, in Huntington Hall.
23. Arbitration Committee selected to decide whether the Freshmen could carry canes.
30. Annual Winter Concert of Glee, Banjo, and Mandolin Clubs, in Huntington Hall.

JANUARY, 1897.
5. Death of President Francis Amasa Walker.
Student Mass Meeting held to make arrangements for the funeral.
8. Funeral of President Francis Amasa Walker, from Trinity Church.
All meetings, dinners, meets, etc. were suspended by the student body for thirty days.

FEBRUARY.
26. Election of the Ninety-nine Technique Electoral Committee.

MARCH.
27. Dinner of the Freshman Class, at Young's Hotel. Toastmaster, Clifford M. Leonard.
Completion of the election of the Board of Editors of Technique, '99.

APRIL.
9. Athletic Mass Meeting held in Huntington Hall.
19. Opening of Junior Week.
22. Technique, Volume XII., issued.
Junior Promenade, in Pierce Hall.
Technology Theatricals, under the management of the Walker Club, in the Bijou Theatre.
24. Annual Spring Concert of the Glee, Mandolin, and Banjo Clubs in Association Hall.
President.
FRANCIS A. WALKER.

SECRETARY.
FRANCIS H. WILLIAMS.

JOHN D. RUNKLE.
FREDERIC W. LINCOLN.
WILLIAM ENDICOTT, JR.
JOHN CUMMINGS.
AUGUSTUS LOWELL.
HOWARD A. CARSON.
CHARLES J. PAINE.
CHARLES FAIRCHILD.
DAVID R. WHITNEY.
LEWIS WM. TAPPAN, JR.
HENRY D. HYDE.
ALEXANDER S. WHEELER.
JAMES P. TOLMAN.
HOWARD STOCKTON.
ELIOT C. CLARKE.
NATHANIEL THAYER.
CHARLES F. CHOATE.
HENRY L. PIERCE.*
HIRAM F. MILLS.
PERCIVAL LOWELL.

TREASURER.
GEORGE WIGGLESWORTH.

ARTHUR T. LYMAN.
CHARLES MERRIAM.
THORNTON K. LOTHRUP.
CHARLES C. JACKSON.
SAMUEL M. FELTON.
DESMOND FITZGERALD.
SAMUEL CABOT.
FRANCIS BLAKE.
CHARLES W. HUBBARD.
JAMES M. CRAFTS.
THOMAS L. LIVERMORE.
A. LAWRENCE ROTCH.
WILLIAM H. FORBES.
JOHN R. FREEMAN.
GEORGE A. GARDNER.
WILLIAM H. LINCOLN.
J. B. SEWALL.
THOMAS GAFFIELD.
CHARLES L. LOVERING.
A. LAWRENCE LOWELL.

On the part of the Commonwealth.

His Excellency Gov. Roger Wolcott.
Hon. Walbridge A. Field, Chief Justice of the Supreme Court.
Hon. Frank A. Hill, Secretary of the Board of Education.
President.
FRANCIS A. WALKER.*

Treasurer.
GEORGE WIGGLESWORTH.

Secretary.
HARRY W. TYLER.

Librarian.
ROBERT P. BIGELOW.

Bursar.
ALBERT M. KNIGHT.
OFFICERS OF INSTRUCTION.

* Francis A. Walker, Ph.D., LL.D., President.*

Amherst College, A. K. E., Ph. B. K.

A.B., Amherst, '60; A.M., Amherst, '63; Yale, '73; Ph.D., Amherst, '75; Halle, '94; L.L.D., Yale, '82; Amherst, '82; Harvard, '83; Columbia, '87; St. Andrews, '88; Dublin, '92; Edinburgh, '96.

In United States military service, 1861-65; Instructor Williston Seminary, 1865-68; Editor Springfield (Mass.) Republican, 1868; Chief Bureau of Statistics, Washington, 1869; Superintendent Ninth Census, 1870-72; Commissioner of Indian Affairs, 1872; Professor of Political Economy and History, Sheffield Scientific School, 1873-81; Honorary member, Royal Statistical Society of London, 1873; Chief, Bureau of Awards, Philadelphia, 1875; Member, School Committee, New Haven, 1877-82; Member, Board of Education, Connecticut, 1877-81; Lecturer, Johns Hopkins University, 1877-79; United States Commissioner, Monetary Conference at Paris, 1878; Member, National Academy of Sciences, 1878; appointed Railroad Commissioner of Connecticut, 1879; Superintendent Tenth Census, 1879-81; President, Massachusetts Institute of Technology, since 1881; President, American Statistical Association, since 1882; Lecturer in Harvard University, 1882-84, 1885-86; Member, Massachusetts Historical Society, 1881; Member, Massachusetts Board of Education, 1884-92; Chairman, Massachusetts Topographical Survey Commission, 1884-92; Member, School Committee of Boston, 1885-88; Member, International Statistical Institute, 1885 (Honorary member and President Adjoint, 1893); President, American Economic Association, 1885-92; Honorary member, American Society of Mechanical Engineers, 1886; Senator of the Phi Beta Kappa, since 1886; Correspondent, Central Statistical Commission of Belgium, 1888; Corresponding member, California Academy of Sciences, 1888; Officer of the French Legion of Honor, 1889; Vice President, National Academy of Sciences, since 1890; President, Military Historical Society of Massachusetts, since 1891; Member, Art Commission of Boston, since 1896; Member, Park Commission of Boston, 1890-96; declined appointment as United States Commissioner to Monetary Conference at Brussels, 1892; Honorary Member, Literary and Philosophical Society of Manchester (England), 1892; Vice President, American Society for the Promotion of Profit Sharing, since 1893; Chairman of Massachusetts Board of World's Fair Managers, 1892-94; Vice President, Society of Naval Architects and Marine Engineers, since 1892; Correspondent of the Institute of France, 1893; Corresponding member, British Association for the Advancement of Science, 1894; Member, Board of Trustees, Public Library of Boston, 1896.

Author of the Statistical Atlas of the United States (1874); The Indian Question (1879); The Wages Question (1879); Money (1879); Money, Trade, and Industry (1879); Political Economy (1883); Land and Its Rent (1885); History of the Second Army Corps (1886); First Lessons in Political Economy (1886); Life of Gen. W. S. Hancock (1894); The Making of the Nation (1894); International Bimetallism (1896); also, Reports on the Commerce and Navigation of the United States (1886-90); Indian Affairs (1894); and the Censuses of 1870 and 1880; Addresses on Economic, Statistical, Educational, and Military subjects. Articles in Laval's Cyclopaedia of Political Science, Encyclopaedia Britannica, Johnson's Cyclopaedia, the Century Magazine, Scribner's, Atlantic Monthly, Princeton Review, Harper's Magazine, Lippincott's, North American, Yale Review, Quarterly Journal of Political Science, Journal of Political Economy, International Review, Forum, Quarterly Journal of Economics, Proceedings of American Economic Association, Journal of American Statistical Association, Journal of American Social Science Association, Technology Quarterly, etc.

* Deceased.
JOHN D. RUNKLE, PH.D., LL.D., Walker Professor of Mathematics.

B.S., A.M., Harvard University; '51; Ph.D., Hamilton College, '67; LL.D., Wesleyan University, '71.

Assistant upon the American Ephemeris and Nautical Almanac, 1849-51; Editor Mathematical Monthly, 1853-61; Professor of Mathematics, Massachusetts Institute of Technology, from 1865; Acting President, 1885-70; President, 1870-75.


Residence, High Street, Brookline.

GEORGE A. OSBORNE, S.B., Professor of Mathematics.

Harvard S. S., '60.

Assistant Professor of Mathematics, U. S. Naval Academy, '86-65; Professor of Mathematics, Massachusetts Institute of Technology, from 1865; Secretary of Faculty, 1869-71.

Author of Examples in Differential Equations (1880); Differential and Integral Calculus (1861), etc.

Residence, 11 Beacon Street.

JAMES M. CRAFTS, S.B., Professor of Organic Chemistry.

Harvard S. S., '58.

Professor of Chemistry, Cornell, 1869-70; Professor of Chemistry, Massachusetts Institute of Technology, 1870-80 (nonresident, 1874-80), 1891; Member National Academy of Sciences, 1872.

Corresponding member of the British Association for the advancement of Science.

Author of a short course in Qualitative Analysis, and of a series of papers on Chemical and Physical subjects chiefly published in the Comptes Rendus of the French Academy of Sciences—many of the papers in collaboration with C. Friedel.

Residence, 59 Marlboro Street.
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, 1873-83; Professor of Mining Engineering and Metallurgy from 1884; President of M. I. T. Alumni Association, 1873-76; President of the American Institute of Mining Engineers, 1886-87.

Residence, 32 Eliot Street, Jamaica Plain.

William H. Niles, Ph.B., A.M., Professor of Geology and Geography.

Yale S. S., '67.


Professor of Physical Geography, Massachusetts Institute of Technology, 1871; Professor of Geology and Geography, Massachusetts Institute of Technology from 1875; Lecturer on Geology, Wellesley College, 1882; Professor of Geology, Wellesley College, 1885; President of the Boston Society of Natural History from 1892.

Author of Agency of Glaciers in the Excavation of Valleys and Lake Basins, Zones of Physical Features of Mountains, Some Expansions, Movements, and Fractures of Rocks, observed at Monson, Mass., The Causes of the Recent Floods in Germany (1887), etc.

Residence, 16 Linden Street, Cambridge.

Charles R. Cross, S.B., Thayer Professor of Physics and Director of the Rogers Laboratory.

M. I. T., '70, Sci. and Lit. Course.

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, since its establishment, 1882.

Author of many original scientific papers on electricity, acoustics, and other branches of physics, chiefly published in the Proceedings of the American Academy of Arts and Sciences.

Residence, Upland Road, Brookline.

Gaetano Lanza, C.E., Professor of Theoretical and Applied Mechanics.

University of Virginia, '70.

Instructor, Massachusetts Institute of Technology, 1871-72; Assistant Professor, 1872-75; Professor of Theoretical and Applied Mechanics from 1875.

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

Residence, 22 West Cedar Street.
GEORGE F. SWAIN, S.B., M. Am. Soc. C. E., Hayward Professor of Civil Engineering.

M. I. T., '77, I.

Student in Germany, 1877-80; Expert on Tenth U. S. Census, 1889-91; 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.


Residence, 435 Marlboro Street.


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.

Author of A Few Hints About Drainage (1888); Construction Details (1892), Notes on Limes, Cements, Mortars, and Concretes (1892), etc.

Residence, 195 Marlboro Street.

ALPHONSE N. VAN DAELL, LL.D., Professor of Modern Languages.

B.A., Collège Saint Servais (Liège), '64; Ph.C., Louvain, '65; LL.D., Université de Liège, '68.

Professor of Modern Languages, Kentucky College, 1876-79; Instructor in Haverford College, and Lecturer in University of Pennsylvania, 1889-86; Director Modern Languages, Boston High and Latin Schools, 1886-1886; Professor of Modern Languages, Massachusetts Institute of Technology, from 1889.

Author of A Monograph on the Study of Modern Languages, La Parole Française (in collaboration with Dr. L. Sauveur), Das Deutsche Buch (in collaboration with J. Schrakamp), Leandro’s Träumereien (edited and annotated), Heine’s Harzreise (edited and annotated), Mémoires du Duc de Saint Simon (edited and annotated), An Introduction to the French Language, An Introduction to the French Authors, Extraits choisis de Paul Bourget, etc.

Residence, 105 Irving Street, Cambridge.

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.

Assistant Professor of Biology, Massachusetts Institute of Technology, 1883-84; Associate Professor, 1884-91; Professor from 1891.

Author of General Biology (1886), New Edition (1890), Biological Examination of Water (1888), Sanitary Condition of the Water Supply of Lowell, Mass. (1891), The Purification of Drinking Water by Sand Filtration (1892), Modern Scientific Views of the Cause and Prevention of Asiatic Cholera (1892), numerous Reports to the State Board of Health of Massachusetts on Epidemics of Typhoid Fever Caused by Infected Water, Milk, etc., several papers on Education, various articles in Wood’s Reference Handbook of Medical Science, etc.

Residence, 51 Pineckney Street.
Davies R. Dewey, A.B., Ph.D., Professor of Economics and Statistics.

University of Vermont, '79; A.B.; F. B. K.

A.B., University of Vermont, '79; Ph.D., Johns Hopkins University, '86.

Teacher, Underhill, Vt.; Principal Hyde Park High School, Chicago, 1881-83; Student and Fellow at Johns Hopkins University, 1883-86; Instructor, Massachusetts Institute of Technology, 1887-88; Assistant Professor, 1888-92; Associate Professor, 1892-94; Professor from 1894; Secretary American Statistical Association from 1886; editor of its publications from 1891; Appointed, 1891-95, Chairman of Board to Investigate the Subject of the Unemployed in Massachusetts; Member of Publication Committee of American Economic Association, 1895; appointed member of Board to investigate Charitable and Reformatory Interests and Institutions of Massachusetts, 1896.


Residence, 52 Elliot Street, Jamaica Plain.

Silas W. Holman, S.B., Professor of Physics.

M. I. T., '76, VIII.

Assistant, Massachusetts Institute of Technology, 1876-80; Instructor, 1880-82; Assistant Professor, 1882-85; Associate Professor, 1885-93; Professor from 1893.

Author of Physical Laboratory Notes (1885), The Effect of Temperature on the Viscosity of Air and Carbon Dioxide (1885), Discussion of the Precision of Measurements (1887), Friction of Leather Belts on Iron Pulleys, Standard for the Resistance of Copper (1891), and numerous other papers in Proceedings American Academy, American Journal of Science, Appalachia, Journal of Franklin Institute, Technology Quarterly, etc.

Residence, Hotel Ikley.

Webster Wells, S.B., Professor of Mathematics.

M. I. T., '73, I.

Instructor in Mathematics, Massachusetts Institute of Technology, 1873-80, and 1882-83; Assistant Professor of Mathematics, 1883-85; Associate Professor, 1885-93; Professor from 1893.

Author of Academic Arithmetic, Academic Algebra, Higher Algebra, University Algebra, College Algebra, Plane Geometry, Plane and Solid Geometry, Plane and Spherical Trigonometry, Logarithmic Tables, etc.

Residence, Lexington.

Cecil H. Peabody, S.B., Professor of Marine Engineering and Naval Architecture.

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, 1884-85; Associate Professor, 1889-93; Professor of 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 (1890), Tables of the Properties of Saturated Steam (1888), Valve Gears for Steam Engines (1890), Steam Boilers (1887) (with E. F. Miller), Papers to Scientific Societies, etc.

Residence, Hotel Oxford.
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, 1885-86; Instructor, 1886-90; Assistant Professor, 1890-92; Associate Professor, 1892-93; Secretary of the Faculty, 1889-90 and from 1891; Professor of Mathematics, 1893.
Author of Entertainments in Chemistry, The Application of Determinant Theorems to a Particular Case, Ueber die Sylvestersche und die Bézoutische Determinanten, Technological Education in the United States, etc.
Residence, Marshall Street, Newton Centre.

Arlo Bates, Litt.D., Professor of English.
Bowdoin, '76; A. D. F.; F. B. K.
Editor of Broadside, 1875-78; editor of Boston Courier, 1880-91; correspondent of Providence Journal, Chicago Tribune, Book Buyer, etc., 1885-95; Professor of English, Massachusetts Institute of Technology from 1893.
Residence, 62 Chestnut Street.

John Bigelow, Jr., Capt. United States Cavalry, Professor of Military Science and Tactics.
West Point, '77, 2d Lieutenant.
With Tenth Cavalry in Texas, 1877-79; Instructor in Modern Languages, West Point, 1879-91; served under Generals Crook and Miles with Tenth Cavalry against Apache Chief Geronimo in Arizona, 1884-86; Adjutant General District Columbia Militia, 1887-89; with Tenth Cavalry in Arizona and Montana, 1889-94; Professor M. I. T. from 1894.
Author of the Principles of Strategy.
Residence, The Gables, Babcock Street, Brookline.

D. Despradelée, Professor of Architectural Design.
Received first promotion at the Ecole des Beaux-Arts, 1882; many of the prizes at the Ecole des Beaux-Arts and Institut de France; received diplomas from Ecole des Beaux-Arts and Société centrale des Architectes français; took part in the Concours de Rome four times, and received first Second Grand Prix in 1885, Lauriat du Salon, officier d'Académie, Assistant Inspector State Buildings and National Palaces, and under this title helped in the building of the New Ministry of Agriculture, National Library, the mansion of M. Wilson, and M. Grévy (ex-President), and various other public and private edifices.
Residence, 90 Pinckney Street.
Peter Schwamb, S.B., Professor of Mechanism and Director of
the Workshops.

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 In-
stitute of Technology, 1883-84; Assistant Professor, 1884-88; Associate
Professor, 1888-90; Professor of Mechanism, 1897.

Author of Notes on the Elements of Mechanism (1885), Notes on Gear-
ing (1888), etc.

Residence, 13 Water Street, Arlington.

C. Frank Allen, S.B., M. Am. Soc. C. E., Professor of Rail-
road Engineering.

M. I. T., '72, I.

Assistant Engineer, Providence Waterworks, 1872-73; Assistant En-
gineer, Providence Sewerage, 1873-75; Assistant Engineer, Newton Water-
works, 1875-76; Engineer Inspector, Boston Sewerage, 1877; Assistant
Engineer, Atchison, Topeka & Santa Fe R. R., 1878-80; Assistant En-
gineer, Mexican Central R. R., 1880; Chief Engineer, Las Vegas Water-
works, and general engineering, 1880; Assistant Engineer, Atchison,
Topeka & Santa Fe R. R., 1881-84; Secretary of the Society for the Promot-
ion of Engineering Education from 1895; Director of Massachusetts High-
way Association from 1895; Assistant Professor, Massachusetts Institute of
Technology, 1895-99; Associate Professor, 1899-01; Professor from 1896.

Author of Measurement of the Angular Deflection of Beams Fixed at
One End, Railroad Curves and Earthwork, Tables for Earthwork Com-
putation, Railroad Engineering and Economics of Location, Roads and
Road Building; Railroad Building with Reference to Economy in Opera-
ting, articles in Engineering Record, Railroad Gazette, Technology
Quarterly, etc.

Residence, Vermont Street, West Roxbury, Mass.

Alfred E. Burton, S.B., Associate 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, 1879-81; appointed Commissioner on
Massachusetts Topographical Survey, 1895; Instructor in Topographical
Engineering, Massachusetts Institute of Technology, 1882-83; Assistant
Professor, 1883-85; Associate Professor, 1885-99; Professor from 1896.

Residence, 60 West Newton Street.

Dwight Porter, Ph.B., M. Am. Soc. C. E., Professor of
Hydraulic Engineering.

Yale S. S., '80; Berzelius Society.

Special Agent, Tenth Census U. S., Report upon Water Power, 1880-
83; Instructor in Mathematics, Massachusetts Institute of Technology,
1883-85; Instructor in Civil Engineering, 1885-87; Assistant Professor of
Civil Engineering, 1887-90; Associate Professor of Hydraulic Engineer-
ing, 1890-96; Professor, 1896.

Author of Flood Discharge from Small Watersheds, Report upon a
Sanitary Inspection of Certain Tenement-House Districts of Boston, por-
tions of Vols. XVI. and XVII., Tenth Census U. S., Reports on Water
Power, Notes on Stereotomy and Warped Surfaces, etc.

Residence, 149 Hawthorne Street, Malden.
HEINRICH O. HOFMAN, E.M., M.E.T., PH.D., ASSOCIATE PROFESSOR OF MINING AND METALLURGY.

E.M., M.E.T., Prussian School of Mines, Clausthal, '77; Ph.D., Ohio University, '89.

Practicing Metallurgist, 1877-85; Private Assistant to Prof. R. H. Richards, and Lecturer on Metallurgy, Massachusetts Institute of Technology, 1885-87; Professor of Metallurgy and Assaying, Dakota School of Mines, 1887-89; Assistant Professor of Mining and Metallurgy, Massachusetts Institute of Technology, 1889-91; Associate Professor of Mining and Metallurgy from 1891.

Author of Gold Milling in the Black Hills (1888), The Dry Assay of Tin Ores (1890), Recent Progress in the Treatment of Argentiferous Lead Ores (1892-93); Metallurgical Lead Exhibits at the Columbian Exposition (1893), Some Experiments on the Fusibility of Fire Clays (1893), Further Experiments on the Fusibility of Fire Clays (1895), The Equipment of Mining and Metallurgical Laboratories (1895), The Metallurgy of Lead and the Desilverization of Base Bullion, etc.

Residence, 6 Cedar Avenue, Jamaica Plain.

THOMAS E. POPE, A.M., ASSOCIATE PROFESSOR OF GENERAL CHEMISTRY.

Harvard University, '69.

Instructor in Chemistry, Massachusetts Institute of Technology, 1874-76; Professor of Chemistry, Iowa Agricultural College, 1876-84; Assistant Professor of General Chemistry, Massachusetts Institute of Technology, 1884-95; Associate Professor from 1895.

Residence, Rockland Street, Brighton.

ELEANOR B. HOMER, S.B., ASSOCIATE PROFESSOR OF ARCHITECTURE.

M. I. T., '85, IV.

Instructor in Architecture, Massachusetts Institute of Technology, 1887-90; Assistant Professor, 1890-95; Associate Professor from 1895.

Residence, Belmont.

GEORGE T. DIPPOLD, PH.D., ASSOCIATE PROFESSOR OF MODERN LANGUAGES.

Boston University, '83.

Postgraduate student in Sanskrit and Germanic Philology and Instructor in German, Harvard University, 1871-74; Instructor in French, Sanskrit, and Anglo-Saxon, Boston University, 1874-81; Lecturer in German Literature, Gothic, and Middle High German, Johns Hopkins University, 1883-85; Instructor in Modern Languages, Massachusetts Institute of Technology, 1886-91; Assistant Professor, 1891-95; Associate Professor, from 1896.

Author of the Great Epics of Mediaval Germany, Translator of Emanuel Geibel's Brunhild, Deutsche Litteraturdenkmale des 18 Jahrhunderts, Theories as to the Original Home of the Indo-European Race, Richard Wagner's Ring of the Nibelung Explained, and in part Translated, German Scientific Reader, etc.

Residence, Hotel Berkeley.
Henry P. Talbot, S.B., Ph.D., Associate Professor of Analytical Chemistry.

M. I. T., '85, V.

S.B., M. I. T., '85; Ph.D., University of Leipzig, '90.

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 from 1895.

Author of Ueber das Verhalten der Tigliinsäure und Angelicinsäure gegen Bromwasserstoff und Jodwasserstoff (1890), Notes on the Action of Hydrobromic and Hydroiodic Acids on Tiglic and Angelic Acids (1891), An Index to the Literature of Angelic and Tiglic Acids from 1842 to 1892, On the Properties of Hydrogen Peroxide Solutions (with H. R. Moody); A Preparatory Course of Quantitative Analysis (1897), and other chemical papers.

Residence, Balsarres Road, West Newton.

Charles F. A. Currier, A.B., A.M., Associate Professor of History.

Harvard University, '87; F. B. K.


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

Author of Constitutional and Organic Laws of France, American Editor of Brockhaus's Konversations Lexikon, Contributions to Magazines, etc.

Residence, 11 Cutter Street, East Somerville.

Linus Faunce, S.B., Associate Professor of Drawing.

M. I. T., '77, II.

Draughtsman for Superintendent of Bridges, P. C. & St. L. R. R., 1876-79; Chief Clerk Car Shops, P. C. & St. L. R. R., 1879-82; in charge of Waterworks and Signals, N. Y. & N. E. R. R., 1882-84; Assistant Professor, Massachusetts Institute of Technology, 1884-96; Associate Professor from 1896; Author of Descriptive Geometry, Mechanical Drawing, etc.

Residence, Bellevue Street, West Roxbury.

William O. Crosby, S.B., Assistant Professor of Structural and Economic Geology.

M. I. T., '76, VII.

Student Assistant in Paleontology, 1875-76; Assistant in Paleontology, 1876-78; Assistant in Geology, 1878-80; Instructor in Geology, 1880-83; Assistant Professor of Mineralogy and Lithology, 1883-92; Assistant Professor of Structural and Economic Geology from 1892.


Residence, 19 Park Lane, Jamaica Plain.
Jerome Sondericker, S.B., C.E., Assistant Professor of Applied Mechanics.
University of Illinois, '80.
Instructor, University of Illinois, 1880-83; Assistant Professor Engineering and Mathematics, 1883-85; Instructor in Applied Mechanics, Massachusetts Institute of Technology, 1885-89; Assistant Professor of Applied Mechanics, from 1889.
Author of An Investigation as to How to Test the Strength of Cements (with G. Lanza), Experiments Relating to Theory of Beams, A Description of Some Repeated Stress Experiments, Notes on Graphic Statics, etc.
Residence, Newton.

Allyne L. Merrill, S.B., M. Am. Soc. M. E., Assistant Professor of Mechanism.
M. I. T., '85, II.
Assistant, Massachusetts Institute of Technology, 1885-87; Instructor, 1887-91; Assistant Professor of Mechanism from 1891.
Residence, 60 Highland Avenue, Cambridgeport.

Dana P. Bartlett, S.B., Assistant Professor of Mathematics.
M. I. T., '86, VI.
Assistant in Mathematics, Massachusetts Institute of Technology, 1886-87; Instructor in Mathematics, 1885-91; Assistant Professor of Mathematics from 1891; Assistant in Observatory of Harvard College, 1897.
Author of General Principles of the Method of Least Squares.
Residence, 486 Columbus Avenue.

Edward F. Miller, S.B., M. Am. Soc. M. E., Assistant Professor of Steam Engineering.
M. I. T., '86, II.
Assistant, Massachusetts Institute of Technology, 1886-88; Instructor, 1888-91; Assistant Professor of Steam Engineering from 1892.
Author of a number of Articles printed in the Transactions American Society of Mechanical Engineers, The Technology Quarterly, and other Engineering papers, "Steam Boilers" (with C. H. Peabody), etc.
Residence, Rockland Street, Brighton.
Frank Vogel, A.B., A.M., Assistant Professor of Modern Languages.
Harvard University, '87; A. U.
Professor of Modern Languages, Mitchell's Boys' School, Billerica, Massachusetts, 1887-88; Instructor in Modern Languages, Massachusetts Institute of Technology, 1888-92; Assistant Professor of Modern Languages from 1892; Post-graduate Student in Germanic Philology at Harvard University, 1888-92; Director of Modern Languages in the Normal Summer School of Languages and Science, Normal, Illinois, 1890-92; Student in Germanic and Romance Philology, Heidelberg University, 1893-94. Editor and Annotator of Chamiasso's Peter Schlemihl's wundervarme Geschiche.
Residence, 120 Pembroke Street, Boston.

William L. Puffer, S.B., Assistant Professor of Electrical Engineering.
M. I. T., '84, III.
Assistant, Massachusetts Institute of Technology, 1884-86; Instructor, 1886-91; Assistant Professor from 1891; Member of the American Institute of Electrical Engineers, 1893; Consulting Electrical Engineer of the Inspection Department of the Factory Mutual Insurance Companies, 1894; Member of Managing Committee, A. I. E. E., 1896.
Residence, West Newton.

Frederick H. Bailey, A.B., A.M., Assistant Professor of Mathematics.
Harvard University, '87; A. B. K.
A.B., Harvard University, '87; A.M., Harvard University, '89.
Assistant in Mathematics, Harvard University, 1889-91; Instructor in Mathematics, Massachusetts Institute of Technology, 1891-93; Assistant Professor from 1893.
Author of Plane and Solid Analytic Geometry (with Professor Woods) (1897).
Residence, 73 Wendell Street, Cambridge.

Fred L. Bardwell, S.B., Assistant Professor of General Chemistry.
University of Minnesota, '81; M. I. T., '84, V.
Assistant in General Chemistry, 1884-86; Instructor in General Chemistry, 1886-94; Assistant Professor from 1894.
Residence, Chamblet Street, Roxbury.
Augustus H. Gill, S.B., Ph.D., Assistant Professor of Gas Analysis.
M. I. T., '84, V.
S.B., M. I. T., '84; Ph.D., Leipzig, '90.
Assistant in General and Sanitary Chemistry, Massachusetts Institute of Technology, 1884-86; Instructor, 1887-88; Water Analyst, State Board of Health, 1888; Instructor in Gas Analysis, Massachusetts Institute of Technology, 1890-94; Assistant Professor from 1894.
Author of Beitrag zur Kenntniss des Ortho-dichlor Stilbens (1890), and various papers relating to Water and Gas Analysis in the Journal of the American Chemical Society, English Analyst, Fresenius' Zeitschrift, and Technology Quarterly, "Gas and Fuel Analysis for Engineers."
Residence, Canton.

Arthur A. Noyes, S.M., Ph.D., Assistant Professor of Organic Chemistry.
M. I. T., '86, V.
S.M., M. I. T., '87; Ph.D., Leipzig, '90.
Instructor, 1890-93; Assistant Professor from 1893.
Author of a Detailed Course of Qualitative Analysis, Laboratory Experiments on the Class Reactions of Organic Substances, also numerous articles in Scientific Papers.
Residence, 28 St. James Avenue, Boston.

S. Homer Woodbridge, A.M., Assistant Professor of Heating and Ventilation.
Williams College, '73.
Student at the Massachusetts Institute of Technology, 1874, Instructor in Physics, 1883-95; Assistant Professor from 1895.
Residence, Prince Street, West Newton.

Harry E. Clifford, S.B., Assistant Professor of Theoretical Physics.
M. I. T., '86, VI.; Θ. E.
Assistant in Physics, 1886-88; Instructor in Theoretical Physics, 1888-93; Assistant Professor in Theoretical Physics from 1893.
Residence, Trinity Court, Boston.
Richard W. Lodge, Assistant Professor of Mining and Metallurgy.

M. I. T., '79, III.

Assistant in Mining and Metallurgical Laboratory of the Massachusetts Institute of Technology, 1879-82; Mining in Colorado, 1880-81; Superintendent of Silver Mine in Nevada, 1881-82; Assistant in Mining and Metallurgical Laboratory of the Massachusetts Institute of Technology, 1882-83; Head Chemist for North Chicago Rolling Mill Company, South Chicago, III., 1883-85; Chemist for Sloss Iron and Steel Company, Alabama, 1887; Instructor in Mining and Metallurgical Laboratory of the Massachusetts Institute of Technology, 1885-94; Assistant Professor from 1895.

Residence, 1423 Washington Street, Boston.

Frederick S. Woods, A.B., A.M., Ph.D., Assistant Professor of Mathematics.

Wesleyan University, Ψ. T., Φ. B. K.


Assistant in Physics and Astronomy at Wesleyan, 1885-86; Teacher in Mathematics in Genesee Seminary, Lima, N. Y., 1886-90; Instructor in Mathematics at the Massachusetts Institute of Technology, 1890-95; Student at Göttingen, 1891-94; Assistant Professor, Massachusetts Institute of Technology from 1895.

Author of Uber Pseudominimalflächen, 1895; Plane and Solid Analytic Geometry (with Professor Bailey) (1897).

Residence, 25 Central Avenue, Hyde Park.

Theodore Hough, A.B., Ph.D., Assistant Professor of Biology.

A.B., Johns Hopkins University, '86; Ph.D., Johns Hopkins University, '93.

Instructor in McDonogh School, Maryland, 1886-89; Instructor in Biology, Massachusetts Institute of Technology, 1893-95; Assistant Professor of Biology from 1895.

Residence, 72 Pineckney Street, Boston.

William Z. Ripley, S.B., Ph.D., Assistant Professor of Sociology and Economics.

M. I. T., '90, I.


Graduate Student, Massachusetts Institute of Technology, 1890-91; University Fellow, Columbia College, 1891-93; Instructor in Economics, Massachusetts Institute of Technology, 1893-95; Assistant Professor from 1895.

Residence, Newton Centre.
Joseph J. Skinner, C.E., Ph.D., Assistant Professor of Mathematics.
Yale, '69.

Ph.B., '69, C.E., '74, Ph.D., '76; Yale.

Instructor in Engineering and Mathematics (and for part of the time in Physics and French), Sheffield Scientific School, Yale, 1873-81; Computer and Draughtsman, Statistical Atlas of Ninth Census, 1877-78; Manager and Treasurer of the American Electric Co., New Britain, 1881-83; Instructor in Mathematics, Massachusetts Institute of Technology, 1885-96; Assistant Professor from 1896.

Author of a book on Approximate Computations, and of some papers in scientific journals.

Residence, 61 St. Botolph Street.

George H. Barton, S.B., Assistant Professor of Geology.

M. I. T., '80, III.

Assistant in Drawing, 1880-81; Hawaiian Government Survey, 1881-82; Assistant in Mineralogy and Lithology, 1883-88; Instructor in Determinative Mineralogy, 1888-90; Instructor in Geology, 1890-96; Assistant Professor of Geology from 1896.

Author of various papers on geology of Massachusetts, Hawaii, Labrador, and Greenland, published in Proceedings of Boston Society of Natural History, American Journal of Science, American Geologist, Science, Technology Quarterly, etc.

Residence, 16 Lexington Avenue, Cambridge.

Arthur G. Robbins, S.B., Assistant Professor of Highway Engineering.

M. I. T., '86, I.

Assistant in Civil Engineering, 1886-88; Instructor in Civil Engineering, 1888-91; Instructor in Highway Engineering, 1891-96; Assistant Professor from 1896.


Residence, Highland Street, West Newton.

William H. Lawrence, S.B., Assistant Professor of Architecture.

M. I. T., '91, IV.

Instructor in Architecture, 1891-96; Assistant Professor from 1896.

Author of Elements of Shades and Shadows, Principles of Perspective.

Residence, 34 Summer Street, Dorchester.
Henry K. Burrison, S.B. . . . . . . . Instructor in Mechanical Drawing.
M. I. T., '75, I.
Residence, Lincoln Park, West Newton.

M. I. T., '73, V.; A.M., Vassar, '70.
Residence, 32 Eliot Street, Jamaica Plain.

Charles L. Adams . . . . . . . . . . . . . Instructor in Freehand Drawing.
Residence, 256 Lamartine Street, Jamaica Plain.

Peter S. Burns, Ph.D. . . . . . . . . . . . . . Instructor in General Chemistry.
Iowa State College, '86; Δ. T. Δ.
Residence, Milton.

John W. Smith . . . . . . . . . . . . . . . Instructor in Industrial Chemistry and Textile Coloring.
Residence, 7 Brookfield Street, Roslindale.

George W. Hamblet, S.B. . . . . . . . . . . . . . Instructor in Mechanical Engineering.
M. I. T., '88, II.
Residence, 506 Lowell Street, Lawrence.

Frank A. Laws, S.B. . . . . . . . . . . . . . . Instructor in Electrical Measurements.
M. I. T., '89, VI.
Residence, Brockton.

Nathan R. George, Jr., A.M. . . . . . . . . . . . . . Instructor in Mathematics.
Harvard, '90; θ. Δ. X.; Φ. B. K.
Residence, 18 Cumberland Street.

Harry M. Goodwin, S.B., Ph.D. . . . . . . . . . . . . . Instructor in Physics.
M. I. T., '90, VIII.; Ph.D., University of Leipzig, '94.
Residence, 232 Townsend Street, Roxbury.
WILLIAM LINCOLN SMITH, S.B.  
M. I. T., '90, VI.  
Instructor in Electrical Engineering.  
Residence, Concord.

LEONARD M. PASSANO, A.B.  
Johns Hopkins, '89.  
Instructor in Mathematics.  
Residence, 19 West Cedar Street.

CHARLES H. L. N. BERNARD  
Chaptal College, Paris, '77.  
Instructor in Modern Languages.  
Residence, 214 Columbus Avenue.

JOSEPH BLACHSTEIN  
Instructor in Modern Languages.  
Residence, 691 Parker Street, Roxbury.

WILLIS R. WHITNEY, S.B., Ph.D.  
Instructor in Sanitary Chemistry.  
Residence, 71 Pinckney Street.

CARLETON A. READ, S.B.  
M. I. T., '91, II.  
Instructor in Mechanical Engineering.  
Residence, 45 Saunders Street, Allston.

JAMES SWAN, S.B. (Absent)  
M. I. T., '91, II.; A. K. E.  
Instructor in Naval Architecture.

G. RUSSELL LINCOLN, S.B.  
M. I. T., '71, III.  
Instructor in Sanitary Chemistry.  
Residence, 71 Newbury Street.

LOUIS DERR, M.A., S.B.  
M.A., Amherst, '89, A. U.; S.B., M. I. T., '92, VI.  
Instructor in Physics.

GEORGE V. WENDELL, S.B. (Absent)  
M. I. T., '92, VIII.; A. K. E.  
Instructor in Physics.

LEON E. BERNARD  
Instructor in Modern Languages.  
Residence, 37 Falmouth Street.

ROBERT P. BIGELOW, S.B., Ph.D.  
S.B., Harvard, '87, B. 0. II.; Ph.D., Johns Hopkins, '92.  
Librarian of the Institute.  
Residence, 72 Pinckney Street.

BENJAMIN E. CARTER, Jr., A.M.  
Harvard, '90.  
Instructor in Mathematics.  
Residence, 133 St. Botolph Street.

HENRY G. PEARSON, A.B.  
Harvard, '93, 0. 2.  
Instructor in English.  
Residence, 86 Pinckney Street.
<table>
<thead>
<tr>
<th>Name</th>
<th>Degree</th>
<th>Institution</th>
<th>Field</th>
<th>Residence</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frank H. Thorp, S.B., Ph.D.</td>
<td></td>
<td>M.I.T., '89, V.; Ph.D., Heidelberg, '93</td>
<td>Instructor in Industrial Chemistry.</td>
<td>Oriole Street, West Roxbury.</td>
</tr>
<tr>
<td>Charles E. Fuller, S.B.</td>
<td></td>
<td>M.I.T., '92, II.</td>
<td>Instructor in Mechanical Engineering.</td>
<td>Wellesley.</td>
</tr>
<tr>
<td>Charles F. Parke, S.B.</td>
<td></td>
<td>M.I.T., '92, II.</td>
<td>Instructor in Mechanical Engineering.</td>
<td>Taunton.</td>
</tr>
<tr>
<td>Ervin Kenison, S.B.</td>
<td></td>
<td>M.I.T., '93, II.</td>
<td>Instructor in Mechanical Drawing and Descriptive Geometry.</td>
<td>Malden.</td>
</tr>
<tr>
<td>Kilburn S. Sweet, S.B.</td>
<td></td>
<td>M.I.T., '93, I.</td>
<td>Instructor in Civil Engineering.</td>
<td>57 Chandler Street.</td>
</tr>
<tr>
<td>F. Jewett Moore, A.B., Ph.D.</td>
<td></td>
<td>A.B., Amherst, '89, X. Φ.; Ph.D., Heidelberg, '93.</td>
<td>Instructor in Analytical Chemistry.</td>
<td>Landseer Street, West Roxbury.</td>
</tr>
</tbody>
</table>
W. Felton Brown . . . . . . Instrucor in Freehand Drawing.
    Residence, 33 Glenwood Street, Roxbury.

Frederic H. Keyes, S.B.
    M. I. T., '93, II.     Instrucor in Mechanical Engineering.
    Residence, Newtonville.

Justus Erhardt . . . . . . Instrucor in Modern Languages.
    Residence, 56 Clarendon Street.

Henry Fay, A.B., Ph.D.
    A.B., Lafayette, '89; Ph.D., Johns Hopkins, '95.
    Instrucor in Analytical Chemistry.
    Residence, 357 Boylston Street.

Harry W. Gardner, S.B.
    Residence, Endicott.

George B. Haven, S.B.
    M. I. T., '94, II.     Instrucor in Mechanical Engineering.
    Residence, 196 Walnut Avenue, Roxbury.

Frank P. McKibben, S.B.
    M. I. T., '94, I.      Instrucor in Civil Engineering.
    Residence, 466 Massachusetts Avenue.

Joseph W. Phelan, S.B.
    M. I. T., '94, V.     Instrucor in General Chemistry.
    Residence, 12 St. James Avenue.

Alexander W. Moseley, S.B.
    M. I. T., '91, II.     Instrucor in Mechanical Engineering.
    Residence, 71 Pinckney Street.

William J. Drisko, S.B.
    M. I. T., '95, VIII.  Instrucor in Physics.
    Residence, 123 St. Botolph Street.

James F. Norris, A.B., Ph.D.
    A. B., Johns Hopkins, '92; Ph.D., Johns Hopkins, '95.
    Instrucor in Organic Chemistry.
    Residence, 387 Boylston Street.

Samuel C. Prescott, S.B.
    M. I. T., '94, V.     Instruct or in Biology.
    Residence, 334 Broadway, Cambridge.

Archer T. Robinson, A.B.
    Harvard, '66, Ph. B. K.
    Instrucor in English.
    Residence, 42 Pinckney Street.

Arthur W. Weysse, Ph.D.
    Instrucor in Zoology.
    Residence, 168 West Brookline Street.
FRANKLIN H. ROBBINS, S.B. M. I. T., '94, II.

Assistant in Mechanical Drawing.

Residence, 13 Waterhouse Street, Cambridge.

JESSE H. BOURNE, S.B. M. I. T., '95, II.

Assistant in Mechanical Engineering.

Residence, Foxboro.

CARL H. CLARK, S.B. M. I. T., '95, XIII.

Assistant in Naval Architecture.

Residence, 66 Clifton Street, Roxbury.

FREDERICK A. HANNAH, S.B. M. I. T., '95, II.

Assistant in Mechanical Engineering.

Residence, 156 Massachusetts Avenue.

FREDERIC W. HOWE, B.S. New Hampshire College of Agriculture and Mechanic Arts, '94, Q. T. V.

Assistant in General Chemistry.

Residence, 11 St. James Avenue.

CHARLES R. WALKER, S.B. M. I. T., '93, V.

Assistant in General Chemistry.

Residence, 155 Western Avenue, Cambridge.

FRANK B. MASTERS, S.B. M. I. T., '95, II; Σ. A. E.

Assistant in Mechanical Engineering.

Residence, 20 Morse Street, Newton.

CHARLES M. SPOFFORD, S.B. M. I. T., '93, I.

Assistant in Civil Engineering.

Residence, Georgetown.

REUBEN E. BAKENHUS, S.B. M. I. T., '96, I.

Assistant in Civil Engineering.

Residence, 118 Pembroke Street.

EDWARD M. BRAGG, S.B. M. I. T., '96, XIII.

Assistant in Mechanical Engineering.

Residence, 239 Prospect Street, Cambridge.
George K. Burgess, S.B.
M. I. T., '96, VIII.

William D. Coolidge, S.B.
M. I. T., '96, VI.

Leonard H. Goodhue, S.B.
M. I. T., '96, V.

Amadeus W. Grabau, S.B.
M. I. T., '96, XII.

Harrison W. Hayward, S.B.
M. I. T., '96, X.

Minor S. Jameson, S.B.
M. I. T., '96, I.

Ralph R. Lawrence, S.B.
M. I. T., '95, VI.

Clarence W. Perley, S.B.
M. I. T., '96, VII.

William L. Root, S.B.
M. I. T., '96, X.

Harold C. Stevens, S.B.
M. I. T., '96, I.

Albert J. Wells, S.B.
M. I. T., '96, II.

Assistant in Physics.
Residence, Otis Street, Newtonville.

Assistant in Physics.
Residence, 123 St. Botolph Street.

Assistant in Analytical Chemistry.
Residence, Salem.

Assistant in Geology.
Residence, 87 Appleton Street.

Assistant in Industrial Chemistry.
Residence, 79 Milton Avenue, Hyde Park.

Assistant in Civil Engineering.
Residence, 35 St. James Avenue.

Assistant in Physics.
Residence, 34 Summer Street, Dorchester.

Assistant in Biology.
Residence, 35 Hamilton Street, Lynn.

Assistant in Oil and Gas Analysis.
Residence, 666 Dudley Street, Dorchester.

Assistant in Civil Engineering.
Residence, Braintree.

Assistant in Mechanical Drawing.
Residence, 20½ St. James Street, Roxbury.
INSTRUCTORS AND ASSISTANTS IN THE MECHANIC ARTS.

Theodore B. Merrick . . . Instructor in Woodwork and Foundry-work.
Residence, Arlington Heights.

James R. Lambirth . . . . Instructor in Forging.
Residence, 106 Paul Gore Street, Jamaica Plain.

Residence, 567 Tremont Street.

Minot A. Bridgman . . . . Assistant in Woodwork.
Residence, Arlington Heights.

Everett H. Masters . . . . Assistant in Forging.
Residence, 11 Walnut Avenue, Roxbury.

Ira G. Studley . . . . Assistant in Machine-tool Work.
Residence, Rockland.

INSTRUCTOR IN GYMNASTICS.

Herman Boos.
Residence, The Garfield, Rutland Square.
Teachers and Lecturers for the Year
1896-97.

Truman H. Bartlett, on Modelling.
Louis Bell, Ph.D., on the Electrical Transmission and Utilization of Power.
George W. Blodgett, S.B., on the Applications of Electricity to Railway Signalling.
Henry Carmichael, Ph.D., on Electrolysis of Brine.
William R. Copeland, A.B., on Bacteriology of Water and Sewage Purification.
Howard C. Forbes, S.B., on Commercial Electrical Testing.
John R. Freeman, S.B., on the Hydraulics of Fire Protection and on Fireproof Construction.
Hollis French, S.B., on Electrical Engineering Practice and Specifications.
David A. Gregg, on Pen and Ink Drawing.
Hammond V. Hayes, Ph.D., on Telephone Engineering.
Ernest F. Henderson, Ph.D., on German History.
Henry M. Howe, A.M., S.B., on Metallurgy.
Daniel D. Jackson, S.B., on the Microscopical Examination of Water Supplies.
Charles D. Jenkins, S.B., on Illuminating Gas, and on Pottery and Tiles.
Simeon C. Keith, Jr., S.B., on Industrial Biology.
Ernest A. Le Sueur, S.B., on the Industrial Applications of Electro-Chemistry.
Arthur D. Little, on Paper.
James W. Loveland, S.B., on Manufacture of Soaps.
Samuel W. Mead, on Architectural Design.
Walter S. Moody, on Transformers.
Louis J. Schiller, on Sugar and Sugar Refining.
Frank G. Stantial, S.B., on Sulphuric Acid.
Elihu Thomson, on Recent Developments in Applied Electricity.
Ross Turner, on Water Color.
C. Howard Walker, on the History of Ornament.
FRANCIS A. WALKER, President.  
HARRY W. TYLER, Secretary.

John D. Runkle.  
George A. Osborne.  
James M. Crafts.  
Robert H. Richards.  
William H. Niles.  
Charles R. Cross.  
Gaetano Lanza.  
George F. Swain.  
Francis W. Chandler.  
Alphonse N. Van Daell.  
William T. Sedgwick.  
Davis R. Dewey.  
Silas W. Holman.  
Webster Wells.  
Cecil H. Peabody.  
Arlo Bates.  
John Bigelow, Jr.  
Desiré Despradelles.  
Peter Schwamb.  
C. Frank Allen.  
Alfred E. Burton.  
Dwight Porter.  
Heinrich O. Hofman.  
Thomas E. Pope.  
Eleazer B. Homer.

George T. Dippold.  
Henry P. Talbot.  
Charles F. A. Currier  
Linus Faunce.  
William O. Crosby.  
Jerome Sondericker.  
Allyne L. Merrill.  
Dana P. Bartlett.  
Edward F. Miller.  
Frank Vogel.  
William L. Puffer.  
Frederick H. Bailey.  
Fred L. Bardwell.  
Augustus H. Gill.  
Arthur A. Noyes.  
S. Homer Woodbridge.  
Harry E. Clifford.  
Richard W. Lodge.  
Frederick S. Woods.  
Theodore Hough.  
William Z. Ripley.  
Joseph J. Skinner.  
George H. Barton.  
Arthur G. Robbins.  
William H. Lawrence.
The founder of the Walker family in America was Captain Richard Walker, of Lynn, who was born in 1611, and came to this country when nineteen years of age. He was a member of the Honorable Artillery Company of London, and one of the first to join the Ancient and Honorable Artillery Company when it was established in Boston. Phineas Walker, the descendant of Richard, in the fifth generation, served with Wolfe in Canada, and accompanied Ethan Allen at the assault on Ticonderoga. Later, he did good service along the Atlantic coast as Captain of the Militia Company of Woodstock, Conn. Walter Walker, the son of Captain Phineas, moved from Connecticut and settled at North Brookfield, Mass., in the year 1800. The Rev. Dr. Snell, pastor of the parish from 1798, said of him in an anniversary sermon: "Deacon Walker was a very useful man in the church, as well as society. His influence was uniformly in support of order, peace, and religion." Amasa, the son of Walter, and the father of Francis Amasa Walker, was born at Woodstock, in 1799. He studied, with William Cullen Bryant and Judge Cheever, under the Dr. Snell mentioned above, but through weak health was forced to give up a college career. He spent some years as a merchant in Boston, but soon after the birth of his son Francis Amasa, in 1840, he removed to the homestead at North Brookfield, to devote himself to more congenial pursuits. He served in both branches of the Massachusetts Legislature, and, for some years, as Secretary of State to the Commonwealth. In 1860 he cast his vote as a National Elector, for Lincoln, and two years after was sent to Congress. He and his brother, Freeman, were prominent in the Liberty party and the Free-Soil party, and active in the so-called "underground railway" for the assistance of escaping slaves, many of whom were sheltered under his hospitable roof on their way northward. Amasa Walker
was most distinguished, however, as an economist, and his work fell in much the same lines as did that of his more famous son. He was a lecturer on political science at Oberlin College and at Amherst, from which institution he received the honorary degree of LL.D. He published two notable books: the “Science of Wealth,” which was translated into Italian, and the “Nature and Uses of Money and Mixed Currency.” He attended the peace congresses of London and Paris in 1843 and in 1849, and was a member of the American Peace Society. His wife, Hannah Ambrose, was the daughter of a New Hampshire merchant, and a woman of great force of character. Her keen sense of honor and strong patriotism are indicated by an anecdote related by her son. Obtaining an unexpected leave of absence, after the Peninsula Campaign, Major Walker hurried home without notifying his family. He found his mother seated by the window with an open Bible in her lap, gazing out to the southward. As her son, of whom she was dreaming, appeared suddenly before her, instead of a glad welcome, her first thought was for her country’s pressing need; and the first words that sprang to her lips were, “You haven’t left the army, have you?”

Francis Amasa Walker was born in Montgomery Place, Boston, July 2, 1840. His early youth was spent in North Brookfield, where he began his education in the local schools, public and private. In 1850 and 1851 he studied at the academy of the neighboring town of Leicester, and there finished his preparation for college. He spent another year, however, in the study of Latin and Greek at Lancaster Academy, and entered Am-
herst in 1855, at the age of fifteen years. In the middle of his Sopho-
more year he was compelled to remain out for some months, on account
of illness, and he finally graduated with the Class of 1860, a Φ. Μ. Κ.
man, and a member of the J. K. E. fraternity. He gained the Sweetser
essay prize and the Hardy prize for extempore speaking. Of this latter a
classmate says: “It was offered to the man who should make the greatest
improvement in extemporaneous speaking during the Sophomore and
Junior years. . . . I remember Walker’s final address well; it was de-
ivered before the whole body of students of the college, and it was very
fine. No extemporaneous address that I have heard him make since, as it
seems to me, has equaled it in impressiveness.” Another classmate writes:
“General Walker’s college career was characterized by steadiness of pur-
pose and brilliancy of execution. In his day all of the college studies
were ‘required,’ but none of them were slighted by Walker. In the last
two years of the course he displayed great fondness for economic, histori-
cal, and philosophical pursuits, and in these he was pre-eminent. He pos-
sessed a remarkable power of quick resting. He could turn from one
tiresome study to another, apparently with little effort, and after a hard
forenoon’s work in three or four distinct fields, take a bit of a nap, and
start perfectly fresh for his afternoon’s duties. His energy was not satis-
fied by mere perfunctory fulfillment of his prescribed duties; he sought
and gained great distinction in athletics, in the rhetorical exercises of the
‘Open Societies,’ in college-editorial writing, and in chess.” Although the
youngest man in his class, “his influence was greater than that of any
one else, for he was rightly regarded as fair to all. He was believed by
all his associates to be thoroughly honest in thought, and word, and deed,
and his opinions on every subject were treated with respect.” His love of
freedom at this time is shown by the following motto written in his class-
book at graduation, “Let us ever defend in our measure of strength the
rights of man and the excellent dignity of self-government.”

Immediately after his graduation Francis Walker began the study of
law in the office of Messrs. Devens and Hoar, at Worcester. The senior
member of the firm was the late Judge Charles Devens, and his partner,
the present United States Senator from Massachusetts, Hon. George F.
Hoar. Devens was Major of the Third Battalion of the Massachusetts
Militia, and at the outbreak of the war he took his command to the front. In the summer he returned to recruit the Fifteenth Massachusetts Volunteers, and the young student in his office, having just attained his majority, enlisted, August 1, 1861, as sergeant major of the regiment. In September, however, General D. N. Couch obtained Captain Walker's appointment as his assistant adjutant general, and the young man, thus, for the first time undertook the charge of this vital and exacting department of military life. In the spring of 1862, when the army was organized into army corps, General Couch took command of the First Division of the Fourth Corps, and March found him at Fortress Monroe, accompanied by his assistant adjutant general, ready for the advance upon Richmond. The corps went through the Peninsula Campaign, and fought the battles of Williamsburg and Fair Oaks in the advance, and the Seven Days' Battles, culminating at Malvern Hill, in the retreat. In the last-named engagement the First Division was attacked incessantly for three hours and a half, and lost six hundred men. In each of these three encounters Captain Walker's coolness and gallantry gained the special commendation of his commander. In one instance General Couch reports that he made a daring personal reconnoissance, and had his horse shot under him. In August the young officer was promoted to the rank of major; and in October, when Couch was placed in command of the Second Corps, Major Walker was made his adjutant general. This position he held for the rest of his military career, under Major General W. S. Hancock and Major General G. K. Warren, and the comprehensive knowledge he, as a staff officer, enjoyed of all the operations of the army, peculiarly fitted him for the works which he afterwards undertook, the "History of the Second Army Corps" and the "Life of General Hancock." The first battle of the Second Corps under General Couch, was the terrible defeat of Fredericksburg. General Burnside, having superseded McClellan, threw his army across the Rappa-
hallock and attacked the Confederate forces in an impregnable position. The Second Corps bore the very brunt of this attack. In his history General Walker says: “All that the Second Corps could do was now done. It had obeyed its instructions to attack a strong position, thoroughly fortified, bristling with eighty guns, and held by forty thousand infantry. . . . All that had been done had been done without the slightest help from that inspiration which springs from the anticipation of victory. Every officer and every soldier in the ranks had seen and felt for himself that the attempt to carry the position was hopeless. Yet nearly four thousand men had fallen in obedience to orders.” After this carnage the historian relates that Couch, broken-hearted at the defeat and the loss of his men, rode slowly down the whole line of the corps within easy pistol shot of the enemy, as if courting death. In this sad and dangerous ride he was accompanied by three companions, almost against his will. General Walker states that one of these three men was “an officer of the staff,” but does not add that he himself was that officer. General Couch declares that a few weeks later Major Walker had almost made up his mind to give up his staff position, and take command of a regiment. “He was almost fiercely loyal, and considered it to be his sacred duty to go right into the front line, and there fight with his Massachusetts comrades.” He was finally overruled, however, in this resolution. Later, as a result of the battle of Fredericksburg, Burnside was relieved, and Joseph E. Hooker made commander in chief. During the winter months the army lay quiet, and in January, Major Walker was promoted to the rank of Lieutenant Colonel. In April the troops again moved forward, and early in May fought the battle of Chancellorsville, only less disastrous than the former defeat, and almost on the same ground. Colonel Walker was seriously wounded early in this engagement by the bursting of a shell, which nearly cost him his left hand. He was forced to take a leave of absence for a time; but returned to the Corps in the early autumn, soon after Gettysburg. He received later the brevets of colonel and brigadier general for “gallant and meritorious services at the battle of Chancellorsville, where he was severely wounded.” This season closed with the lesser engagements of Auburn, and Bristoe Station, and Mine Run, in the two former of which the Second Corps acted as the rear guard of the Union army,
and was at one time opposed single-handed to Lee's entire force. All the
next year, 1864, the Second Corps was with Grant in the advance upon
Richmond. It took part in ten pitched battles, and lost six thousand men
in the Wilderness, five thousand at Spotsylvania, and three thousand at
Cold Harbor. Colonel Walker's last engagement was at Ream's Station,
on the twenty-fifth of August. Seeking some commander in the dark-
ness he rode into the enemy's
lines, and was captured. While
being marched with other prison-
ers along the road to Richmond
he escaped into a swamp, and
lay there until nightfall. He then
made his way by the stars to the
Appomattox River, and attempted
to swim across to the Union
lines. The current, however, car-
rried the exhausted swimmer below
the Northern pickets, and he was
only saved from drowning by re-
capture. He was imprisoned in
Petersburg Jail, and then carried
to Libby Prison, where he was
kept for six weeks. The damp-
ness of the prison and the lack
of proper food broke down his
health, and he was released upon
parole. Later, after he had been
exchanged, he attempted to return
to the army, but his constitution
had not sufficiently strengthened, and, indeed, it was some years before
he completely recovered from the effects of his imprisonment. General
Hancock's exclamation, "Colonel Walker is the best adjutant general that
I ever knew!" is a tribute to the faithfulness with which the young
officer performed his routine duties; while his coolness and gallantry are
commended by his superiors in the report of every battle.
In the autumn of 1865, when he was once more partially restored to health, General Walker accepted the position of instructor in Greek and Latin in Williston Seminary, at Easthampton, in the Connecticut valley. In the same year he was married to Exene Stoughton, of Gill, Massachusetts. He spent three years in the seminary, teaching and studying, but in 1868 he left Easthampton to take up editorial work on the *Springfield Republican*. The brilliant founder of the *Daily Republican*, "Sam Bowles," was editing the paper at that time, and it was said that "if there was any ability in a young man, the *Republican* office would develop it." Under this influence Walker became a "brilliant and forcible writer, especially versed in political economy," for he had already taken up his father's line of work. In January, 1869, he was appointed, at the instance of Mr. David A. Wells, then Special Commissioner of the Revenue, Chief of the Bureau of Statistics at Washington. This position General Walker held for thirteen months. The present Chief of the Bureau, Mr. Worthington C. Ford, says of him, in this connection: "His predecessor, Alexander Del Mar, introduced the practice of printing the monthly reports of trade and navigation, and General Walker extended the scope of these issues, besides introducing many changes in the form and substance of the matter printed. . . . He stamped his individuality upon the forms used in the Bureau, many of which were in use, unchanged, in 1893, when I assumed charge of the Bureau. His capacity for organization was shown in the changes he introduced, and his short experience in this office indicated his fitness for undertaking the much greater task of the United States Census." On the Ninth Census, General Walker was engaged as Superintendent during 1870 and 1871. It was desired to make some sweeping reforms in the manner of taking this census, especially by the substitution of skilled enumerators for the marshals hitherto employed. General Garfield, then chairman of the Committee of the House on the Census, made an exhaustive report in favor of such a change, but the measure was defeated in the Senate. In spite, however, of the inadequate system in use, General Walker introduced more scientific treatment of the material, and added a new feature in the form of statistical maps. After the completion of this work he undertook the Commissionership of Indian Affairs,—a position he held from November, 1871, to March, 1873. He studied the Indian question deeply, travel-
ing, it is said, five hundred miles beyond the railroads to visit some of
the more distant tribes, and published a small volume on the subject
two years later. The work was not satisfactory to him, however. Mr. D.
M. Browning, the present Commissioner, says: "He brought to the work
of this Bureau the fine executive qualities which had distinguished his
superintendency of the Census work. But he became Commissioner near
the beginning of the reforms in the service which commenced with what
was known as 'Grant's Peace Policy' for the Indians, and he found so
much to encounter and recon-

struct that the work was dis-
tasteful, and he was glad to
resign." General Walker's views
on this question are best indica-
ted by a few sentences from his
book, "The Indian Question":
"The United States have, without
much order or comprehension,
but with a vast amount of good
will, undertaken enterprises in-
volving considerable annual ex-
penditures for the advancement
of individual tribes and bands,
but the true permanent scheme
for the management and instruc-
tion of the whole body of Indians
within the control of the Gov-
ernment is yet to be created.
... No subject of legislation
could be more perplexing and
irritating; nor can the outlay involved fail for many years to be a
serious burden upon our industry. But the nation cannot escape its respon-
sibility for the future of this race, soon to be thrown in entire helplessness upon
our protection. ... Surely we shall be clearer in our lives, and freer to meet the
glances of our sons and grandsons, if in our generation we do justice and show
mercy to a race which has been impoverished that we might be made rich."
Early in 1873, a Professorship of Political Economy and History having been established in the Sheffield Scientific School at Yale, General Walker was called to the position. This chair he filled until 1881, for the first seven years of the time being mainly occupied with scientific pursuits, lecturing, and writing. Professor Sedgwick says of this period: "When I entered the Sheffield Scientific School at Yale, in 1874, Prof. Francis A. Walker had charge of Political Economy and History in the school, and I shall never forget my first sight of him, when our class filed into the old physics lecture room for its first lecture in Political Economy. He was walking quickly back and forth behind the long demonstration table, glancing now out of the windows, now toward the Freshmen, whom he was to teach. He was young, he was strong, he did not care to sit down, yet he was soberly and seriously in dead earnest. It was, however, mainly his intense vitality which seemed to distinguish him from all other professors, and when he began to speak, the rapid yet clear stream of his thought carried us all with him. It was not my privilege to have him as a teacher except for one course of elementary lectures; but on one occasion, when our class and the one above it got into a rush after a five o'clock lecture, as I drew breath after a vigorous personal encounter with one of our opponents, I saw my most intimate friend and classmate whirled past me as if from a catapult, and in the darkness discovered that Professor Walker had joined in, and was tumbling the contestants hither and thither in the most astonishing fashion. Naturally the news spread, and the rush came to an end. After my graduation I saw more of Professor Walker. I did a good deal of coaching in Latin (which is required for admission at the Yale Scientific School), and Professor Walker generally examined my men. In his Latin he was remarkably exact in rendering, keen in analysis, and brilliant in his vocabulary. Over all his work was that glow and intensity of feeling (doubtless the expression of superabundant vitality) which was always so characteristic of him. It was the custom for the graduating class to vote upon the question 'Who is your most popular professor?' and Professor Walker, I think, never failed to carry off the palm. In the Sheffield School traditions of him still linger as one who was broad, able, incisive, executive, and intellectually powerful beyond almost any man of his time." But his collegiate duties did not
occupy Professor Walker’s whole attention. He served on the School Committee of New Haven for four years, and on the Connecticut Board of Education for five. He was Chief of the Bureau of Awards at the Exposition at Philadelphia in 1876, and State Railroad Commissioner in 1879. He went to Paris in 1878 as a United States delegate to the International Monetary Conference, where he upheld the same views of the currency question which he enunciated in his book of last summer. He maintained then, as later, that the world suffered severely from an insufficient supply of sound money through the demonetization of silver. He said at the Conference, “Suffocation, strangulation, are words hardly too strong to express the agony of the industrial body when embraced in the fatal coils of a contracting money supply.” Besides his work at Yale, during this period Professor Walker delivered a course of lectures on “Money” at Johns Hopkins, and published several important works on economic science,—“The Statistical Atlas of the United States,” “The Indian Question,” “The Wages Question,” “Money,” and “Money, Trade, and Industry.” In 1880 he left his work at New Haven, to take charge of the Tenth Census. This time a new law was passed by which the improved system urged by General Walker and General Garfield ten years before was brought into effect. The scope of the census was immensely enlarged, and a large corps of skilled enumerators and experts gathered together to conduct the special investigations. The work filled twenty-two volumes, and Col. Carroll D. Wright, now Superintendent of the Census, said of it, in the American Journal of Sociology for November, 1895: “The contributions of the Tenth Census to social science constitute the most colossal official contribution that had ever been made by any government. The great variety of topics, their exhaustive treatment, the large number of specialists engaged, the clearness of presentation—everything connected with the Tenth Census—marked it as an epoch-making investigation. Its faults were the faults of any such great undertaking, but they were less than the faults of any previous census; and when it is understood that no other government embodies in its decennial account inquiries outside of the ordinary inquiries relating to population, the vast undertaking superintended by General Walker is more readily comprehended. This great work was conducted on the broad basis
laid down by him, and the results secured for him the admiration of statisticians in every part of the world."

At this time, in 1881, the Corporation of the Massachusetts Institute of Technology were looking about them for a man to whom the future of the young school might be intrusted. President Runkle, who succeeded William Barton Rogers, in 1870, had tendered his resignation in 1878, worn in health by the anxieties of the position, and by the financial difficulties of the Institution. Professor Rogers consented to resume the Presidency, though in feeble physical condition, until a suitable successor could be found; and in June of 1880 he wrote as follows to General Walker, then still engaged upon the labors of the Census:—

"DEAR PROFESSOR WALKER: Since my conversation with you in Washington, some weeks since, I have conferred with members of the Corporation of the Institute of Technology on the subject of choosing a President for the Institute, and I have been authorized, in concert with the Committee on the School, to offer the presidency to the person whom we may consider to be best fitted, by scholarly training, zeal, and administrative ability, to carry forward the educational plans of the Institute.

"I now write with the authority of the Committee on the School to offer the position to you, and I need not say, my dear Professor, how earnestly I desire that you will accept it.

Yours faithfully, WILLIAM B. ROGERS."

After a short hesitation General Walker made up his mind to undertake the task, and after the completion of his work in Washington he resigned the professorship he still held at Yale, and on Nov. 1, 1881, assumed the office of President of the Institute. Professor Rogers, in introducing to the Society of Arts its new presiding officer, said: "In making this introduction, personally, of President Francis A. Walker, I must say I do so in the fullest confidence, not only in his capacity for carrying out the hopes and purposes of this school, but of the hearty sympathy and earnest regard which he entertains for its past history, and for its future development. I trust in him as I would trust in myself were I of his years, and had I his experience in administrative work; and in saying this I say all that any man can say in reference to his successor. I commend him to you, knowing what are his sympathies, and what are
his capacities of usefulness; and I commend you to him, knowing you for these many years as my friends, personally, and as the friends of this Institute of Technology." The history of President Walker's life, from this time on, is the history of Technology. Professor Runkle said that "He raised the Institution from a struggling technical school to a great scientific university. That was always his idea,—to keep it from being narrow, like many schools of this sort;" and although President Walker minimized the influence of his own work, declaring only last autumn that "no institution in the world was ever developed so strictly according to the general ideas and the specific plans upon which it was first conceived and laid out," in consequence of "the astounding prescience and grasp of principles which characterized the founder and first President of the Institute, Dr. Rogers," yet, nevertheless, his own influence was very powerful in broadening the scope of the curriculum, and making it what it is to-day. In his first report as President, special attention is directed to the department of General Studies, as "a preparation for active life, liberalizing in its tendencies, but without any influence to alienate the student from the ideas, tastes, and habits which are appropriate to practical business pursuits." At this time, in 1881, all the eight courses of instruction, the three hundred and two students and the thirty-seven members of the instructing staff, were crowded into the Rogers Building and a one-story brick annex on the site of the present Walker Building. But the next three years were to be the most momentous in the history of the school. In 1882 the Walker Building was erected, and
the Chemical, Physical, Architectural, and English departments were moved into it. The department of Electrical Engineering, destined to become the largest in the Institute, was also created in this year as an offshoot of the Course in Physics. In 1883 the Garrison Street shops were built, and the department of Applied Mechanics, which before was confined to a single small room, and the laboratory of Steam Engineering, which "found its space only in the dark hallway of the basement of the Rogers Building," were there expanded. Great progress was made in the Chemical department, the work of four years, by systematization, being fitted into three, and more advanced subjects introduced. Extensive changes were also made in the "Natural History," now the Biological, Course, which President Walker was specially anxious to make a good preparation for the study of medicine. In 1884 the rolls showed a total of five hundred and seventy-nine students and fifty-seven members of the instructing staff, in both cases about double the enrollment at the beginning of President Walker's term. Course VI. was already second in the number of students. The large drawing room in Rogers was fitted up in this year and the Mining laboratory extensively altered, so that three times as many students could be accommodated as before. Entrance examinations were held now for the first time outside of Boston, in Chicago, Cincinnati, St. Louis, San Francisco, and Washington. In 1885 President Walker took a short leave of absence abroad, and visited the Universities of Cambridge, Edinburgh, Glasgow, and St. Andrews, and the principal technical schools in France and England. On his return he wrote, "I saw no laboratories, whether of Chemistry, of Physics, or of Mechanics, which are equal to our own in capacity or appointments." In 1886 the curriculum of the fourth year in the department of Civil Engineering was reorganized, providing for the three options as they at present exist. In 1887 the investigation of the water supply of Massachusetts by Dr. Drown and his staff was undertaken. A bequest of a hundred thousand dollars from Richard Perkins, and the grant of a similar amount by the State, made the financial burden of the Institute much lighter. In 1888 another grant of a hundred thousand dollars was made, and the number of students was increased by almost a hundred, rising to eight hundred and twenty-seven. The course in Chemical Engineering was founded, and an important change made in the
Biological department, by which the instruction in Natural History was given within the walls of the Institute, and not, as before, under the direction of the Natural History Society. In 1889, the debt on the Walker Building having been paid, the Engineering Building was erected, and the branches of Civil and Mechanical Engineering moved thither from the overcrowded Rogers Building. The course in Sanitary Engineering was instituted at this time. In 1890 the benefits of the new building were manifest in the departments of Mining and Literature, the former spreading over the whole lower floor of Rogers, and the latter being improved by the fitting up of the present reading room. The courses in English were somewhat modified under the influence of Professor Carpenter, and the system of co-operation between the various departments in teaching English composition, which has lately been extended, was introduced. The course in Geology was created in this year, and the treatment of the subject of Highway Engineering improved and broadened. In 1891 the number of students passed the one thousand mark; the department of English, History, and Political Science was greatly strengthened, and a Naval option in the Architectural course made prominent. In 1892 still another new building was constructed, and devoted to the department of Architecture, the removal of which from the Walker Building allowed the Physical laboratories to expand. The Emery testing machine was obtained during the second term. In 1893 the land adjoining the Engineering and Architectural Buildings, between Clarendon Street and the railroad, was pur-
chased. A large exhibit was sent from the Institute to the World's Fair, of whose Massachusetts Board of Managers, President Walker was Chairman. The option in Naval Architecture was organized into a Course. In this year, too, President Walker delivered a course of lectures at Harvard on "Land and Its Rent." In 1894 the number of students at the Institute had risen to eleven hundred and eighty-four. The need of money, however, became more and more pressing. The grant of the State in 1895 of twenty-five thousand dollars a year for six years was, therefore, extremely grateful. In 1896 President Walker delivered a course of lectures on "Bimetallism," at Harvard; and in the spring the Technology Club was founded, and the plans for a new building were drawn up. It was while busily engaged in obtaining funds for the erection of this, the fifth building, made necessary under his administration by the quadrupling of the size of the school, that President Walker's career was cut short. He died from the effects of an apoplectic stroke in the early morning of Jan. 5, 1897.

During his life in Boston, President Walker took such a share in public affairs that the Evening Transcript could truly say that his death made "a void in more places and wider circles of influence than would be left by the passing away of any other citizen of Boston." He did important work as a member of the Massachusetts Board of Education from 1882 to 1890, and of the Boston School Committee from 1885 to 1888. The following letter, written in 1884, shows his strong sense of duty in this matter:—

"Rev. Dr. Edw. E. Hale, D. Webster King, Esq., Lyman Mason, Esq., and others, Committee.

GENTLEMEN: I have the honor to be in receipt of your communication of the 8th inst. I do not covet any addition to my present duties; but the schools of the City and of the State have the first claim upon my time and strength, and if it were necessary for me to unload in any and every other direction in order to undertake a responsibility with which my fellow-citizens chose to entrust me regarding the public schools, I should not hesitate to do so, whatever else had to be thrown over. I am, therefore, wholly at your service. Faithfully yours,

FRANCIS A. WALKER."
General Walker's influence on the public schools was exerted principally in two directions. First, he believed strongly in making normal schools more strictly professional, and in emphasizing the necessity of industrial training, kindergarten work, cooking, sewing, etc., in the public schools. In speaking of Industrial Education in 1887, he claimed that it (1) directs and strengthens the executive faculty or constructive passion; (2) affords greater opportunity for fresh, original, spontaneous work; (3) removes snobbishness of feeling, dislike, and contempt of manual labor; (4) improves the industrial quality of citizens; (5) maintains a sense of social decency, and contributes to a desire to have things neat, agreeable, and decent. Secondly, General Walker, while on the School Committee, effected a great reduction in the time devoted to arithmetic. He disbelieved in the use of arithmetical problems as a mental training, and wished to restrict them to those necessary to give facility and accuracy in ordinary work. In consequence, the time devoted to arithmetic was greatly cut down, and other studies introduced. "Home lessons" in arithmetic were entirely dropped. President Walker also acted, from 1884 to 1890, as Chairman of the Massachusetts Topographical Survey Commission, which examined and accepted the work of the United States Geological Survey in the construction of the first topographical map of the State. Of the Park Commission of the City of Boston, he became a member in 1890. During his connection with this Board the number of parks and public pleasure grounds increased from six to nineteen, while the present magnificent system of parkways and boulevards, ten miles in length, was created. Seven
million dollars were spent on the work during this time. Mr. George F. Clark, the Secretary of the Department of Parks, says, "General Walker took an intense interest in the work of the department, where his keen insight and clear judgment made his services invaluable to the city." General Walker became a member of the Art Commission of Boston at the same time, in 1890, and a Trustee of the Public Library in 1896. He was President of the American Statistical Association from 1882, and always made it a point to be present at its meetings, sometimes at great personal inconvenience. He was an honorary member of the Royal Statistical Society of London, Vice President of the National Academy of Sciences, a member of the Massachusetts Historical Society and of the International Statistical Institute, President of the American Economic Association, honorary member of the American Society of Mechanical Engineers, Senator of the Phi Beta Kappa, Correspondent of the Central Statistical Commission of Belgium, corresponding member of the California Academy of Sciences, an officer of the French Legion of Honor, President of the Military Historical Society of Massachusetts, honorary member of the Literary and Philosophical Society of Manchester, Vice President of the American Society for the Promotion of Profit Sharing, Vice President of the Society of Naval Architects and Marine Engineers, a Correspondent of the Institute of France, and a corresponding member of the British Association for the Advancement of Science. He received the degree of A.M. from Amherst and Yale, of Ph.D. from Amherst and Halle, and of L.L.D. from Yale, Amherst, Harvard, Columbia, St. Andrews, Dublin, and Edinburgh.

As an economist there were three principal lines of thought with which President Walker was identified,—the question of Wages and the Distribution of Wealth, the subject of Money, and the problem of Economic Reform. His name is perhaps most frequently mentioned as one of the chief opponents of the Wage Fund Theory, according to which wages were paid to labor out of a pre-determined mass of capital, and were therefore unaffected by the efficiency of the laborer. President Walker maintained, on the other hand, that "under perfect competition, the laborer would become the residual claimant upon the product of industry, the amount to be deducted on account of rent, interest, and business profits being subject to
definite principles, and, consequently, all gains in productive power would, upon this condition, inure directly to the benefit of the laborer." General Walker first attacked the almost universally accepted doctrine of the Wage Fund in a lecture at Amherst, in 1874, and expanded his views in the *North American Review* for January of the succeeding year. His theory has, in its general principles, largely supplanted the older one. With regard to General Walker's position on the Social Problems of the day, Dr. Dewey wrote in the *Review of Reviews* for February of the current year: "Mr. Walker had little patience with short-cut or mechanical schemes of social reform; and yet his sympathy for the uplifting of the oppressed was great. He recognized the benefit of trade unions at a time when sympathy was rare on the part of the educated. His sympathy, too, was more than a passing and indifferent feeling. In a magazine article published some years ago he remarks: 'I believe I was the first person occupying a chair of Political Economy to declare that sympathy with the working class on the part of the general community may, when industrial conditions are favorable, become a truly economic force in determining a higher rate of wages; but by sympathy I certainly did not mean slobber.' He believed in the efficacy of free competition, but when he said competition he meant a real competition at every point. It was to be 'severe, searching, and unremitting,' for the workman must be able 'to withstand and return the pressure. What is wanted is the largest capability of resistance and reaction.'
Any measure, therefore, which would aid workmen to be more "alert, active, and aggressive in presenting their economic interests" he favored. Hence he advocated a restriction of immigration, believed in a gradual reduction of hours of labor, opposed trusts. . . . There were three things which aroused President Walker to sharp speech: shallow philosophy, a suggestion of non-fulfillment of obligations, or confiscation, and any attack upon law and order." His relation to monetary science was an important one. He framed a definition of "money" which was adopted by the "Encyclopedia Britannica," and insisted that irredeemable bank paper, of whose inexpediency he had the deepest conviction, should, nevertheless, be included under that term. He introduced the expression "common denominator in exchange," as a substitute for the phrase, "measure of value," and followed his father in opposing the "banking school," which held that a body of money composed of bank-notes and coin behaves precisely like a body of coin alone. General Walker is, perhaps, best known, however, as a bimetallist. His position on this question has always been clear, and consistent. From his speech in the Paris Conference of 1878, for the whole of his career he held that the demonetization of silver was a cruel wrong. "Commerce and manufactures needed a common world's par of exchange. Monometallism was responsible for the friction cutting deep into the vitals of a beneficent world competition." He never appealed to national interests or class prejudices, but held that for all alike a contracting money medium was a serious evil. But with regard to methods he was most conservative. Although he believed the Acts of 1878 and 1890 to be the "outcome of genuine enthusiasm, in the main disinterested, in the main loyal," he considered them undiplomatic, injudicious, and practically mischievous. In the stormy campaign of last summer he preserved the same marvelous poise, and stood out as one of the very few men in the country who did not sacrifice their intellectual integrity or their moderation to the exigencies of the contest. His influence with the coming administration would surely have been a great one. During his connection with the Institute of Technology, President Walker published, besides his historical works, the "History of the Second Army Corps," the "Life of Gen. W. S. Hancock," and "The Making of the Nation," four important works on economic science: "Political Economy," "Land and
Its Rent," "First Lessons in Political Economy," and "International Bimetallism." His speeches and pamphlets on various scientific and historical subjects were innumerable, and he delivered a course of lectures on the "United States as Seen in the Census," before the Lowell Institute in 1882, and a single lecture on the "Battle of Gettysburg" in 1886. General Walker's literary style was always remarkable; in argument he was singularly clear and convincing, and his perorations were often superb. His reputation as a scientific man was even greater abroad than in this country, and with the French economists he was peculiarly in touch. Professor Dewey remembers his surprise, as well as satisfaction, when some five years ago, in making a visit to Oxford, he attended the examinations of the undergraduates in Political Economy. It was at Commemoration time in June, and upon finding that these examinations were going on, he obtained permission to attend. On entering the room he found three examiners seated behind a long table, and students one by one being orally examined, each for a space of some fifteen minutes. The text-book in which they were being examined was President Walker's Political Economy.

But it was not President Walker the economist, or General Walker the soldier, or Professor Walker the statistician, whom the students of the Institute of Technology knew and loved, and whom they greeted with cheers whenever he appeared upon the platform of Huntington Hall. It was his strong and perfect character that exercised such a magnetic power over all of us who came under his influence. We heard his too-rare lectures,—enhanced by no oratorical arts of delivery, but in themselves fervid and direct, rounding to majestic periods. We caught the contagion of his tireless energy and love for honest work. We, as young men, were touched by his enthusiasm, his vigor, his marvelous dash and fire. We felt the genial influence of his courtesy, shown with the same indescribable grace to every one with whom he came in contact; for General Walker knew no distinctions of rank and class. We wondered at the modesty which made him speak always of the attitude of the Institute toward himself as something undeserved, incomprehensible. None of us ever came from a five-minute conversation with him without feeling more hopeful, more full of courage and resolve, for his optimism, his strong
confidence, his faith in human nature. It may be, when the fruits of Francis Amasa Walker’s labors in the many fields in which he was pre-eminent are gathered in, that the ideal and inspiration he furnished to thousands of young men will not prove the smallest portion of the harvest.

C.-E. A. W.
In this act, the player wears a dress of pure white. The gown is adorned with soft, flowing sleeves and a fitted bodice. The hat is a simple, elegant style that complements the overall daintiness of the ensemble. The player stands with poise, ready to command attention.
THE GLASSES.

THE FRESH-MAN.
Why am I glad to be a man,
A real-ly, tru-ly college man?
Because they let me have a gun,
And chem-i-cals and lots of fun:
That's why I like to be a man,
A col-lege man.

THE SOPHOMORE.
Why do I like the Institute?
Why, sure, you must be easy fruit.
Wot t'ell, I like to smoke and drink,
And at the pretty girls to wink,
That's why I like — you big galoot —
The Institute.

THE JUNIOR.
Why am I fond of M. I. T.?
Because of all it means to me;
Many an honor, many a prize,
To win me favor in her eyes,
Whose smile brings happiness to me
At M. I. T.

THE SENIOR.
Why do I love Tech no-l-ogy?
And bear each daily task with glee?
Because when some two months are done
I hope to compass piles of mun:
A good investment thou wilt be,
Technology.
1900

Officers
P.B. Cooper - Pres
W.H. Hall - 1st Vice
S.B. Batcheller - 2nd Vice
C.M. Leonard - Sec.
R.D. Roberts - Treas
J.C. Linsley - Dirac
C. Hammond - Tors

Wood T.
Dear Mother:

I like Tech just as much as ever. I think I wrote you on my last about Mr. Linus, the man with the black beard who teaches drawing and sells instruments (by the way, I should like some more dough—my roommate says that means money—because I spent almost all I had for those instruments and some books at Mr. Rubi's, which were awful expensive, on account of the pictures I suppose), and the Bird, who is really a very nice old lady, if she is treated respectfully. Mr. Pope, who teaches Chemistry, I do not like at all, because he gave me an F in exam the other day. I tried hard to change it by telling him how hard I studied every night until half past ten, but we were told to stop there. He asked me what course I was taking, and when I said Course IV, he shook his head and said he couldn't change the mark. I don't see what that had to do with it. (Picture of Mr. Pope)
I like to drill very much and hope to become a corporal. But I do not wear my uniform on other days than the regular drill day because there is a man called the Lounger about, freshmen says the proper thing to do. This is the way I look when I am drilling only. (I showed the picture to Mr. Adams and he said I ought to be on Technique)

Our class is doing very well in track athletics. A man named Stute who has long, whitish hair and looks very peculiar, was first in one of the runs in the fall meet and Hall was another. Hall was chairman of our class for a while and is nice though rather conceited. He holds a great many offices in various organizations and is very public spirited. I think We got through our first meetings very quietly with the help of some seniors. We elected officers by the Australian ballot and drove off some sophods who tried to raid the pledges.

He practically won the cane -
rush because when the hands were counted, there were nineteen of each class.
One of the events of the rush was the capture of the big flag. Some juniors helped a man named Durgin to climb up the pole, and he cut the flag down in the very face of the enemy. I think our class is very fine, and will be celebrated before it graduates.

Yours affectionately,

Algernon F. Rashman

P.S. I have been elected a member of the Y. M. C. A. Isn't that nice?
Dear Bob,

I laugh when I write this letter to you, for it is the first time we have spoken since we last met. I have been very busy, working on various projects at work, but there are some interesting things I want to share.

You know '99 started in Berkeley life and has gone on... At our first meetings we had some difficulties because the '98 men looked so much like freshmen, but we could not distinguish between them as we now do. However, we have become quite a success, and we are the envy of many in the Institute. We had a combined frats. ball team which knocked the pants out of '98.
but we lost the carriage through our misunderstanding of the rules. We had a very nice class dinner at which several men got drunk there will probably be even more this year. The greatest triumph of our freshman season, however, was the Drill. We beat Brown handsomely and afterward I had to cut all the buttons off my coat to give these girls.

This year I came back still more mistrusted as "jerk and youthful jollity," (that is from some poems I had to read for my entrance exam). Physicians written, but I sit at the back of the room and can't get myself,
if Charles Cross didn't keep turning the lights on and off English lit I like because Bachelor tells funny stories.

Our boys, all knew of course, that grilled with the poor trashmen, and males won the came much though it was close. It came out just a tie, nineteen hands to nineteen.

It had a much must that race election night. All must dawn to a mid-night show at the Teader which is one of Boston's finest theaters, better than either the Harvard or the Lyceum; and afterward in Kegs the Harvard men.
Do you suppose you could lend me ten dollars? I am awfully strapped because the old man has run rather madly lately. I need to pull his leg for "chapel dues" but when he found out what the "Chapel" was, he got upon his ear.

Do send money and oblige.

Yours truly,

Soph C. More.

P.S. I have just joined the Yachting Club, which is one of the best societies here.
KEY TO CLASS PHOTOGRAPH.—Names in Numerical Order.

1. Taylor, E. M.
2. De Golyer.
3. Haskell.
4. Anthony.
5. Swift.
6. Collins.
7. Long.
8. Morgan.
9. Rumery.
11. Fleet.
12. Sheed.
13. Tucker, A. W.
15. Hayden, L. A.
17. Nickman.
19. Wilder, R. E.
20. Tietig.
22. Robinson.
24. Ferguson.
25. Smith, G. L.
26. Winslow.
27. Gray.
28. Smith, C. F.
29. Peavey.
30. Cleveland.
32. Blake.
33. Richmond.
34. Zimmermann.
35. Tallmadge.
36. Wiley.
37. Perley.
38. Ward.
40. Smith, Granville.
41. Clifford.
42. Wesson.
43. Campbell.
44. Cobb.
45. Priest.
46. Lucy.
47. Davis, H. W.
48. Wallace.
49. Allard.
50. Lord, H. I.
51. Ulmer.
52. Blackman.
53. Treat.
54. Philbrick.
55. Conklin.
56. Osgood.
57. Grovenor.
58. Wadhurst.
59. Nolte.
60. Hubbard.
61. Dawes.
62. Crowell.
63. Putnam.
64. Smith, C. H.
65. Milis.
66. Jones, H. W.
67. Mayer.
68. Chace.
69. Hinckley.
70. Scott.
71. Davison.
72. Goodrich.
73. Smith, H.
74. Chalin.
75. Smith, A. L.
76. B. Richmond.
77. Gardner.
78. Whitty.
79. Coote.
80. Fisher.
81. Byam.
82. Byam.
83. Jacoby.
84. White.
85. Wadsworth.
86. Lord, C. E.
87. Neidich.
88. Kippen.
89. Albert, R. E.
90. Arnold.
91. Packard, L. W.
92. Currier.
93. Chase, A. M.
94. Davis, A. T.
95. Doty.
96. Morrill.
97. Pendell.
98. Fowles.
100. Warder.
101. Dixon, J. B.
102. Dixon, C. S.
103. Seidensicker.
104. Dake.
105. Kettroff.
106. Rochester.
107. Fowles.
108. Hebbard.
109. Smith, C. H.

KEY TO CLASS PHOTOGRAPH.—Names in Alphabetical Order.

1. Taylor, E. M.
2. De Golyer.
3. Haskell.
4. Anthony.
5. Swift.
6. Collins.
7. Long.
8. Morgan.
9. Rumery.
11. Fleet.
12. Sheed.
13. Tucker, A. W.
15. Hayden, L. A.
17. Nickman.
19. Wilder, R. E.
20. Tietig.
22. Robinson.
24. Ferguson.
25. Smith, G. L.
26. Winslow.
27. Gray.
28. Smith, C. F.
29. Peavey.
30. Cleveland.
32. Blake.
33. Richmond.
34. Zimmermann.
35. Tallmadge.
36. Wiley.
37. Perley.
38. Ward.
40. Smith, Granville.
41. Clifford.
42. Wesson.
43. Campbell.
44. Cobb.
45. Priest.
46. Lucy.
47. Davis, H. W.
48. Wallace.
49. Allard.
50. Lord, H. I.
51. Ulmer.
52. Blackman.
53. Treat.
54. Philbrick.
55. Conklin.
56. Osgood.
57. Grovenor.
58. Wadhurst.
59. Nolte.
60. Hubbard.
61. Dawes.
62. Crowell.
63. Putnam.
64. Smith, C. H.
65. Milis.
66. Jones, H. W.
67. Mayer.
68. Chace.
69. Hinckley.
70. Scott.
71. Davison.
72. Goodrich.
73. Smith, H.
74. Chalin.
75. Smith, A. L.
76. B. Richmond.
77. Gardner.
78. Whitty.
79. Coote.
80. Fisher.
81. Byam.
82. Byam.
83. Jacoby.
84. White.
85. Wadsworth.
86. Lord, C. E.
87. Neidich.
88. Kippen.
89. Albert, R. E.
90. Arnold.
91. Packard, L. W.
92. Currier.
93. Chase, A. M.
94. Davis, A. T.
95. Doty.
96. Morrill.
97. Pendell.
98. Fowles.
100. Warder.
101. Dixon, J. B.
102. Dixon, C. S.
103. Seidensicker.
104. Dake.
105. Kettroff.
106. Rochester.
107. Fowles.
108. Hebbard.
109. Smith, C. H.
110. Ingalls.
111. Fisher.
112. Green.
113. French.
114. Hayes.
115. Sargent, A. E.
117. Kippen.
118. Kellogg.
119. Kellogg.
120. Nolte.
121. Hook.
122. Packard, A. A.
123. Packard, L. W.
124. Packard, L. W.
125. Smith, T. B.
126. Smith, C. F.
127. Steffens.
128. Hillard.
129. Strickland.
130. Taylor, M. E.
131. Taylor, M. E.
132. Taylor, M. E.
133. Taylor, M. E.
134. Taylor, M. E.
135. Taylor, M. E.
136. Taylor, M. E.
137. Taylor, M. E.
138. Taylor, M. E.
139. Taylor, M. E.
140. Taylor, M. E.
141. Taylor, M. E.
142. Taylor, M. E.
143. Taylor, M. E.
144. Taylor, M. E.
145. Taylor, M. E.
146. Taylor, M. E.
147. Taylor, M. E.
148. Taylor, M. E.
149. Taylor, M. E.
150. Taylor, M. E.
151. Taylor, M. E.
152. Taylor, M. E.
153. Taylor, M. E.
154. Taylor, M. E.
155. Taylor, M. E.
156. Taylor, M. E.
157. Taylor, M. E.
158. Taylor, M. E.
159. Taylor, M. E.
160. Taylor, M. E.
Dear Ethel,

It does seem out of sight that Junior week, to which we have looked forward for nearly three years, our Junior week is almost here.

I can hardly realize that it is really so long. It might be about a month ago that first morning when we wandered about aimlessly in Roger's corridor and got in everybody's way and asked foolish questions about our attendance cards. Then I can remember the first rush my will the steam and the heat and the fatal result.

Our first class dinner was a success. I recall my distinctly Toby's face. (You know Toby, I think.)
as he made his celebrated speech about the class of "empty words," is me; and the rejected figure 3 patrol wagon is another. The only other event of importance in this year, with the exception of a few little matters like Chemistry and rhetoric, was the drill. It was not such a brilliant affair as last year's but we beat Harvard and that was a great thing. Last year we more than revenged ourselves on '99 for what we had suffered from '97. We ran their meetings and elected me your men's secretary and three of our men on their constitution committee. We trounced them in the cancrush and at baseball. On the cinder path we left everyone behind us. We took the Champ.
Worship easily and this year we have won about four times as many points as all the other classes put together. (see cut!)

I don't like to crow, and I wouldn't have you think me boastful for anything but really I don't see how the Institute couldn't get along without it.

To summarize our triumphs, we have mostly all passed Freshman Chemistry, many of us Physics and a few Freshmen. We have surmounted three class dinners, we have elected a Technique board without unnecessary bloodshed. For the future we shall strive our utmost that you may always be proud of the blue and gray ribbon which you will (I hope) wear in 1936.

Yours / C. A. T.
Technology Club,
71 Newburg Street.

My dear Eustis,

You ask what I have done with myself during these four years. Well—Tech life is much the same, I imagine, as in your time. In our first year we struggled through the same rush and chemistry with equal comfort and success. In foot-

(yours truly scores a touchdown.)
ball, however, we were victorious and our class dinner was a huge success. Dining indeed has always proved one of our strong points. In our sophomore year we broke all records for attendance and general good fellowship. We turned out well in the contest this time also, in spite of our "deplorable lack of interest" which worried the Robinhood so much in football and in baseball we were invincible; and in our struggle with Physics some of us developed great staying powers.
'95-'96 was of course our halcyon season; and we proved ourselves, I think, a worthy junior class. We have not scattered our energies by a too active interest in general institute affairs, so that we had all the more for our special class enterprize. Our "Technique" was very fine; and the affair got out by '95 this year will probably be a very inferior production.

One of the pleasantest facets in the present season of hand
grinding was the Republican parade. As Seniors we naturally took this affair largely into our

own hands and Mc Carthy and Washburn were glorious sights as they clung to their prancing steeds somewhat disconcerted by their long roses.

At present we are knee deep in thesis work, all hoping to graduate in June. Do you know if
any good opening for an engineer in your town? I hope
you will give me a lift if you do.

Yours Truly,

S. E. Enye

P.S.

Please don't do anything
definite about a position for
me, because, you know, I may
think best to take another year
at Tech.

Yours,

S. E.
CLASS COLORS AND YELLS.

CLASS OF '97.
COLORS: Orange and Black.

YELL.
Tech! Rah! Rah!
Tech! Boom! Bah!
Ninety-seven! Ninety-seven!
Rah! Rah! Rah!

CLASS OF '98.
COLORS: Blue and Gray.

YELL.
Ninety-eight! Ninety-eight! Rah! Rah! Rah! Rah!
Hoo-rah! Hoo-rah!
M. I. T. ! Ninety-eight!
Rah! Rah! Rah!

CLASS OF '99.
COLORS: Blue and Gold.

YELL.
Technology! Ninety-nine!
Rah! Rah! Rah! Rah! Rah!
Ninety-nine!

CLASS OF 1900.
COLORS: Crimson and Black.

YELL.
Boom, Rah! Boom, Rah!
Boom, Rah! Ree!
Nineteen Hundred! M. I. T.!

76
GREEK-LETTER FRATERNITIES

AT THE
Massachusetts Institute of Technology
IN THE
Order of Their Establishment.
### Sigma Chi

**CHAPTER ROLL.**

<table>
<thead>
<tr>
<th>Year</th>
<th>Chapter</th>
<th>University</th>
</tr>
</thead>
<tbody>
<tr>
<td>1855</td>
<td>Gamma</td>
<td>Ohio Wesleyan University</td>
</tr>
<tr>
<td>1857</td>
<td>Eta</td>
<td>University of Mississippi</td>
</tr>
<tr>
<td>1858</td>
<td>Lambda</td>
<td>Indiana University</td>
</tr>
<tr>
<td>1859</td>
<td>Xi</td>
<td>De Pauw University</td>
</tr>
<tr>
<td>1859</td>
<td>Omicron</td>
<td>Dickinson College</td>
</tr>
<tr>
<td>1859</td>
<td>Psi</td>
<td>University of Virginia</td>
</tr>
<tr>
<td>1863</td>
<td>Alpha Chi</td>
<td>Pennsylvania College</td>
</tr>
<tr>
<td>1863</td>
<td>Theta</td>
<td>Gettysburg College</td>
</tr>
<tr>
<td>1864</td>
<td>Kappa</td>
<td>Bucknell University</td>
</tr>
<tr>
<td>1866</td>
<td>Zeta</td>
<td>Washington and Lee University</td>
</tr>
<tr>
<td>1866</td>
<td>Rho</td>
<td>Butler University</td>
</tr>
<tr>
<td>1867</td>
<td>Mu</td>
<td>Denison University</td>
</tr>
<tr>
<td>1869</td>
<td>Omega</td>
<td>Northwestern University</td>
</tr>
<tr>
<td>1871</td>
<td>Chi</td>
<td>Hanover College</td>
</tr>
<tr>
<td>1872</td>
<td>Sigma Sigma</td>
<td>Hampden-Sydney College</td>
</tr>
<tr>
<td>1874</td>
<td>Gamma Gamma</td>
<td>Randolph-Macon College</td>
</tr>
<tr>
<td>1874</td>
<td>Delta Delta</td>
<td>Purdue University</td>
</tr>
<tr>
<td>1876</td>
<td>Zeta Zeta</td>
<td>Center College</td>
</tr>
<tr>
<td>1882</td>
<td>Zeta Psi</td>
<td>University of Cincinnati</td>
</tr>
<tr>
<td>1882</td>
<td>Alpha Gamma</td>
<td>Ohio State University</td>
</tr>
<tr>
<td>1882</td>
<td>Alpha Zeta</td>
<td>Beloit College</td>
</tr>
<tr>
<td>1882</td>
<td>Alpha Theta</td>
<td>Mass. Institute of Technology</td>
</tr>
<tr>
<td>1883</td>
<td>Alpha Epsilon</td>
<td>University of Nebraska</td>
</tr>
<tr>
<td>1883</td>
<td>Alpha Iota</td>
<td>Illinois Wesleyan University</td>
</tr>
<tr>
<td>1883</td>
<td>Alpha Lambda</td>
<td>Wisconsin State University</td>
</tr>
<tr>
<td>1884</td>
<td>Alpha Xi</td>
<td>University of Kansas</td>
</tr>
<tr>
<td>1884</td>
<td>Alpha Nu</td>
<td>University of Texas</td>
</tr>
<tr>
<td>1886</td>
<td>Alpha Omicron</td>
<td>Tulane University</td>
</tr>
<tr>
<td>1886</td>
<td>Alpha Pi</td>
<td>Albion College</td>
</tr>
<tr>
<td>1886</td>
<td>Alpha Beta</td>
<td>University of California</td>
</tr>
<tr>
<td>1886</td>
<td>Alpha Rho</td>
<td>Lehigh University</td>
</tr>
<tr>
<td>1888</td>
<td>Alpha Sigma</td>
<td>University of Minnesota</td>
</tr>
<tr>
<td>1889</td>
<td>Alpha Tau</td>
<td>University of North Carolina</td>
</tr>
<tr>
<td>1889</td>
<td>Alpha Upsilon</td>
<td>University of Southern California</td>
</tr>
<tr>
<td>1890</td>
<td>Alpha Phi</td>
<td>Cornell University</td>
</tr>
<tr>
<td>1892</td>
<td>Alpha Psi</td>
<td>Vanderbilt University</td>
</tr>
<tr>
<td>1892</td>
<td>Alpha Omega</td>
<td>Leland Stanford, Jr., University</td>
</tr>
<tr>
<td>1893</td>
<td>Eta Eta</td>
<td>Dartmouth College</td>
</tr>
<tr>
<td>1893</td>
<td>Alpha</td>
<td>Miami University</td>
</tr>
<tr>
<td>1893</td>
<td>Alpha Alpha</td>
<td>Hobart College</td>
</tr>
<tr>
<td>1893</td>
<td>Kappa Kappa</td>
<td>University of Illinois</td>
</tr>
<tr>
<td>1894</td>
<td>Lambda Lambda</td>
<td>Kentucky State College</td>
</tr>
<tr>
<td>1894</td>
<td>Nu Nu</td>
<td>Columbia College</td>
</tr>
<tr>
<td>1894</td>
<td>Epsilon</td>
<td>Columbia University</td>
</tr>
<tr>
<td>1895</td>
<td>Mu Mu</td>
<td>West Virginia University</td>
</tr>
<tr>
<td>1896</td>
<td>Tau</td>
<td>Roanoke College</td>
</tr>
<tr>
<td>1896</td>
<td>Phi Phi</td>
<td>University of Pennsylvania</td>
</tr>
<tr>
<td>1896</td>
<td>Xi Xi</td>
<td>Missouri State University</td>
</tr>
<tr>
<td>1897</td>
<td>——</td>
<td>University of Chicago</td>
</tr>
</tbody>
</table>

- Delaware, Ohio
- Oxford, Miss.
- Bloomington, Ill.
- Greensburg, Ind.
- Carlisle, Pa.
- Charlottesvile, Va.
- Gettysburg, Pa.
- Gettysburg, Pa.
- Lewisburg, Pa.
- Lexington, Va.
- Irvington, Ind.
- Granville, Ohio.
- Evanston, Ill.
- Hanover, Ind.
- Hampden-Sydney, Va.
- Ashland, Va.
- Lafayette, Ind.
- Danville, Ky.
- Cincinnati, Ohio.
- Columbus, Ohio.
- Beloit, Wis.
- Boston, Mass.
- Lincoln, Neb.
- Bloomington, Ill.
- Madison, Wis.
- Lawrence, Kan.
- Austin, Texas.
- New Orleans, La.
- Albion, Mich.
- Berkeley, Cal.
- Bethlehem, Pa.
- Minneapolis, Minn.
- Chapel Hill, N. C.
- Los Angeles, Cal.
- Ithaca, N. Y.
- Nashville, Tenn.
- Menlo Park, Cal.
- Hanover, N. H.
- Oxford, Ohio.
- Geneva, N. Y.
- Champaign, Ill.
- Lexington, Ky.
- New York City, N. Y.
- Washington, D. C.
- Morgantown, W. Va.
- Salem, Va.
- Columbia, Mo.
- Chicago, Ill.
SIGMA CHI.

ALPHA THETA CHAPTER.
Established March 22, 1882.

MEMBERS.

Dickson Queen Brown.
Stephen Pearson Brown.
William Rawson Collier.
William Barlow Dwight.
Finlay Forbes Ferguson.
William Henry Fox.
Albert Webster Gray.
James Thomas Harahan, Jr.
Barton Haselton.
Lewis Andrews Hayden.
William Abbott Hazard.

Edward Rudolph Heissler.
Robert Grant Holabird.
Harry Burleigh Hunt.
Guy Magee, Jr.
Charles Bodwell Paine.
John Shelley Pechin.
James Francis Sickman.
Lucius Spaulding Tyler.
Frank Albert Werner.
Ernest Woodyatt.
Walter Gustave Zimmermann.

Frater in Collegio.

Arthur Albert Johnson.

Fratres in Urbe.

Herbert Tyler Bardwell.
John Andrew Curtin.
William Worcester Cutler.
John Ashley Highlands.

Charles Eastman Lockwood.
Rhodes Greene Lockwood.
Charles Latham Nutter.
Farley Osgood.

Frank Livermore Pierce.
Theta Xi.

Chapter Roll.

A. Rensselaer Polytechnic Institute ................................ Troy, N. Y.
B. Yale College ............................................................... New Haven, Conn.
Γ. Stevens Institute of Technology ....................................... Hoboken, N. J.
Δ. Massachusetts Institute of Technology .............................. Boston, Mass.
THETA XI.

DELTA CHAPTER.

MEMBERS.

Henry Kimberly Babcock.
Joseph Bancroft.
George Edwin Bergstrom.
Albert Lawrence Churchman.
Franklin Whitney Doliber.
Arthur Little Hamilton.
Richard Stanley Howland.

Edward Johnson, Jr.
Timothy Wright Hoxie.
William Abbot Kinsman.
Ralph Rollins Rumery.
Pedro Sanchez y Batista.
Edwin Ruthven Sheak.
Edward Stutevant.
# Delta Psi

## CHAPTER ROLL

<table>
<thead>
<tr>
<th>Chapter</th>
<th>Institution</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Columbia College</td>
<td>New York City</td>
</tr>
<tr>
<td>E</td>
<td>Trinity College</td>
<td>Hartford, Conn.</td>
</tr>
<tr>
<td>Λ</td>
<td>Williams College</td>
<td>Williamstown, Mass.</td>
</tr>
<tr>
<td>Φ</td>
<td>University of Mississippi</td>
<td>Oxford, Miss.</td>
</tr>
<tr>
<td>Ψ</td>
<td>University of Virginia</td>
<td>Charlottesville, Va.</td>
</tr>
<tr>
<td>Σ</td>
<td>Sheffield Scientific School</td>
<td>New Haven, Conn.</td>
</tr>
<tr>
<td>Τ</td>
<td>Massachusetts Institute of Technology</td>
<td>Boston, Mass.</td>
</tr>
</tbody>
</table>
Delta Psi.

Tau Chapter.

Members.

Henry Walter Allen.
Wilfred Bancroft.
Edward Pierrepont Beckwith.
John Stearns Bleecker.
Robert Frazier, Jr.
Bertram William Batchelder Greene.
John Parker Ilsley, Jr.
Samuel Fosdick Jones.
Henry Grant Morse, Jr.

Walter Page.
William Thornton Parker, Jr.
Ralph Plumb.
Edward Bridge Richardson.
George Avery Robinson.
Albert Loring Swasey.
Lewis Stewart.
Roland Williams Stebbins.
George Stanton Tiffany.
<table>
<thead>
<tr>
<th>Chapter</th>
<th>University/College</th>
<th>City, State</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>University of Virginia</td>
<td>Charlottesville, Va.</td>
</tr>
<tr>
<td>B</td>
<td>Massachusetts Institute of Technology</td>
<td>Boston, Mass.</td>
</tr>
<tr>
<td>C</td>
<td>Emory College</td>
<td>Oxford, Ga.</td>
</tr>
<tr>
<td>D</td>
<td>Rutgers College</td>
<td>New Brunswick, N. J.</td>
</tr>
<tr>
<td>E</td>
<td>Hampden-Sydney College</td>
<td>Hampden-Sydney, Va.</td>
</tr>
<tr>
<td>F</td>
<td>Franklin and Marshall College</td>
<td>Lancaster, Pa.</td>
</tr>
<tr>
<td>G</td>
<td>University of Georgia</td>
<td>Athens, Ga.</td>
</tr>
<tr>
<td>H</td>
<td>Rensselaer Polytechnic Institute</td>
<td>Troy, N. Y.</td>
</tr>
<tr>
<td>I</td>
<td>Ohio State University</td>
<td>Columbus, Ohio.</td>
</tr>
<tr>
<td>J</td>
<td>University of California</td>
<td>Berkeley, Cal.</td>
</tr>
<tr>
<td>K</td>
<td>Stevens Institute of Technology</td>
<td>Hoboken, N. J.</td>
</tr>
<tr>
<td>L</td>
<td>University of Texas</td>
<td>Austin, Tex.</td>
</tr>
<tr>
<td>M</td>
<td>Cornell University</td>
<td>Ithaca, N. Y.</td>
</tr>
<tr>
<td>N</td>
<td>Sheffield Scientific School, Yale College</td>
<td>New Haven, Conn.</td>
</tr>
<tr>
<td>O</td>
<td>Vanderbilt University</td>
<td>Nashville, Tenn.</td>
</tr>
<tr>
<td>P</td>
<td>Lafayette College</td>
<td>Easton, Pa.</td>
</tr>
<tr>
<td>Q</td>
<td>Wofford College</td>
<td>Spartanburg, S. C.</td>
</tr>
<tr>
<td>R</td>
<td>College of South Carolina</td>
<td>Columbia, S. C.</td>
</tr>
<tr>
<td>S</td>
<td>Amherst College</td>
<td>Amherst, Mass.</td>
</tr>
<tr>
<td>T</td>
<td>Lehigh University</td>
<td>South Bethlehem, Pa.</td>
</tr>
</tbody>
</table>
CHI PHI.

BETA CHAPTER.

MEMBERS.

William Harvey Barlow.
William Daniels Blackmer.
Charles Calvin Briggs.
George Winslow Brown.
William Curry.
Samuel Bass Elbert.
William Aleck Faxon.
Russell Henry Glover.
John Mitchell Higgins.

Alexander Riemann Holliday.
Carleton Spayth Koch.
Frederic Ickes Merrick.
Richard Mommers.
Howard Agnew Noble.
George Otto Schneller.
Carl Schuttler.
Henry Welles Tubbs.
George Frederick Ulmer.

Herbert Ivory Lord.
**Delta Kappa Epsilon.**

**CHAPTER ROLL.**

<table>
<thead>
<tr>
<th>Phi</th>
<th>Yale University</th>
<th>1844</th>
</tr>
</thead>
<tbody>
<tr>
<td>Theta</td>
<td>Bowdoin College</td>
<td>1844</td>
</tr>
<tr>
<td>Xi</td>
<td>Colby University</td>
<td>1845</td>
</tr>
<tr>
<td>Sigma</td>
<td>Amherst College</td>
<td>1846</td>
</tr>
<tr>
<td>Gamma</td>
<td>Vanderbilt University</td>
<td>1847</td>
</tr>
<tr>
<td>Psi</td>
<td>University of Alabama</td>
<td>1847</td>
</tr>
<tr>
<td>Upsilon</td>
<td>Brown University</td>
<td>1850</td>
</tr>
<tr>
<td>Chi</td>
<td>University of Mississippi</td>
<td>1850</td>
</tr>
<tr>
<td>Beta</td>
<td>University of North Carolina</td>
<td>1851</td>
</tr>
<tr>
<td>Eta</td>
<td>University of Virginia</td>
<td>1852</td>
</tr>
<tr>
<td>Kappa</td>
<td>Miami University</td>
<td>1852</td>
</tr>
<tr>
<td>Lambda</td>
<td>Kenyon College</td>
<td>1852</td>
</tr>
<tr>
<td>Pi</td>
<td>Dartmouth College</td>
<td>1853</td>
</tr>
<tr>
<td>Iota</td>
<td>Central University of Kentucky</td>
<td>1854</td>
</tr>
<tr>
<td>Alpha Alpha</td>
<td>Middlebury College</td>
<td>1854</td>
</tr>
<tr>
<td>Omicron</td>
<td>University of Michigan</td>
<td>1855</td>
</tr>
<tr>
<td>Epsilon</td>
<td>Williams College</td>
<td>1855</td>
</tr>
<tr>
<td>Rho</td>
<td>Lafayette College</td>
<td>1855</td>
</tr>
<tr>
<td>Tau</td>
<td>Hamilton College</td>
<td>1856</td>
</tr>
<tr>
<td>Mu</td>
<td>Colgate University</td>
<td>1856</td>
</tr>
<tr>
<td>Nu</td>
<td>College of the City of New York</td>
<td>1856</td>
</tr>
<tr>
<td>Beta Phi</td>
<td>University of Rochester</td>
<td>1856</td>
</tr>
<tr>
<td>Phi Chi</td>
<td>Rutgers College</td>
<td>1861</td>
</tr>
<tr>
<td>Psi Phi</td>
<td>De Pauw University</td>
<td>1866</td>
</tr>
<tr>
<td>Gamma Phi</td>
<td>Wesleyan University</td>
<td>1867</td>
</tr>
<tr>
<td>Psi Omega</td>
<td>Rensselaer Polytechnic</td>
<td>1867</td>
</tr>
<tr>
<td>Beta Chi</td>
<td>Adelbert College</td>
<td>1868</td>
</tr>
<tr>
<td>Delta Chi</td>
<td>Cornell University</td>
<td>1870</td>
</tr>
<tr>
<td>Delta Delta</td>
<td>Chicago University</td>
<td>1870</td>
</tr>
<tr>
<td>Phi Gamma</td>
<td>Syracuse University</td>
<td>1871</td>
</tr>
<tr>
<td>Gamma Beta</td>
<td>Columbia College</td>
<td>1874</td>
</tr>
<tr>
<td>Theta Zeta</td>
<td>University of California</td>
<td>1876</td>
</tr>
<tr>
<td>Alpha Chi</td>
<td>Trinity College</td>
<td>1879</td>
</tr>
<tr>
<td>Phi Epsilon</td>
<td>University of Minnesota</td>
<td>1889</td>
</tr>
<tr>
<td>Sigma Tau</td>
<td>Massachusetts Institute of Technology</td>
<td>1890</td>
</tr>
</tbody>
</table>
DELTA KAPPA EPSILON.

SIGMA TAU CHAPTER.

Fratres in Facultate.

Francis Amasa Walker.*
Alfred Edgar Burton.

MEMBERS.

Kenneth Mallon Blake.
George Burnham.
William Henry Cutler.
Howell Fisher.
Stanley Gay Hyde Fitch.
George McMurtie Godley.
Oswald Constantin Hering.
Henry Ford Hoit.
Walter Humphreys.
Harry Creighton Ingalls.
Allan Winchester Jackson.

Albert Voltaire Möller.
Worthington Palmer.
William Chapman Potter.
Louis Jerome Richards.
Argyle Eggleston Robinson.
William Otis Sawtelle.
Haven Sawyer.
William Henry Tew.
Maurice de Kay Thompson, Jr.
Thurlow Washburn.
David La Forest Wing.

Frater in Collegio.

James Swett Smyser.

Fratres in Urbe.

Frederick Chambers Blanchard.
Harry Pumphrey Coddington.
Arthur George Farwell.
William Stuart Forbes.
Gayle Tilton Forbush.

Arthur Edwin Fowle.
Isaac Brewster Hazelton.
Charles Gilman Hyde.
Leonard Metcalf.
Harry Orlando Marcy, Jr.

Ralph Spelman Whiting.

88
Σοφία· τέχνη
Phi Beta Epsilon.

Founded 1890.

Local at Technology.
Phi Beta Epsilon.

MEMBERS.

George Rutherford Anthony.
Herbert Page Beers.
Robert Seeley De Golyer.
Irénée du Pont.
Frank Warren Everett.
Malcolm Faulkner Ewen.
Frederick Cromwell Field.
George Isaac Fiske.
Frederic William Fuller.
George Arthur Fuller.
Du Relle Gage.
David Edgerton Gray.
Edward Hosmer Hammond.

Sheldon Leavitt Howard.
Benjamin Hurd.
Harry George Johnson.
Frederick Cleveland Lindsley.
Harry Borden Newhall.
Thomas Pendleton Robinson.
Ralph Edmund Sawyer.
Gerald Basil Street.
Thomas Eddy Tallmadge.
Edward Molineux Taylor.
Charles Albert Watrous.
William Eaton West.
Raymond Smith Willis.

Fratres in Urbe.

Charles Wilson Aiken.
Azel Ames, 3d.
Stephen Bowen.
Henry Anthony Fiske.
Sumner Hatherly Foster.
Andrew Daniel Fuller.
Edward Haley Huxley.
Frank William Lovejoy.

Raymond Beach Price.
George Whitefield Fay Reed.
George Frederick Shepard.
George Wilmarth Sherman.
Albert Hubbard Spahr.
Walter Mulliken Stearns.
John Gifford Thompson.
Charles Nelson Wrightington.
## Delta Upsilon.

Founded at Williams College, 1834.

### Chapter Roll.

<table>
<thead>
<tr>
<th>Year</th>
<th>Chapter</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>1834</td>
<td>Williams</td>
<td>Williamstown, Mass.</td>
</tr>
<tr>
<td>1838</td>
<td>Union</td>
<td>Schenectady, N. Y.</td>
</tr>
<tr>
<td>1847</td>
<td>Hamilton</td>
<td>Clinton, N. Y.</td>
</tr>
<tr>
<td>1847</td>
<td>Amherst</td>
<td>Amherst, Mass.</td>
</tr>
<tr>
<td>1847</td>
<td>Adelbert</td>
<td>Cleveland, Ohio.</td>
</tr>
<tr>
<td>1852</td>
<td>Colby</td>
<td>Waterville, Me.</td>
</tr>
<tr>
<td>1852</td>
<td>Rochester</td>
<td>Rochester, N. Y.</td>
</tr>
<tr>
<td>1856</td>
<td>Middlebury</td>
<td>Middlebury, Vt.</td>
</tr>
<tr>
<td>1857</td>
<td>Bowdoin</td>
<td>Brunswick, Me.</td>
</tr>
<tr>
<td>1858</td>
<td>Rutgers</td>
<td>New Brunswick, N. J.</td>
</tr>
<tr>
<td>1860</td>
<td>Brown</td>
<td>Providence, R. I.</td>
</tr>
<tr>
<td>1865</td>
<td>Colgate</td>
<td>Hamilton, N. Y.</td>
</tr>
<tr>
<td>1865</td>
<td>New York</td>
<td>New York City.</td>
</tr>
<tr>
<td>1869</td>
<td>Cornell</td>
<td>Ithaca, N. Y.</td>
</tr>
<tr>
<td>1870</td>
<td>Marietta</td>
<td>Marietta, Ohio.</td>
</tr>
<tr>
<td>1873</td>
<td>Syracuse</td>
<td>Syracuse, N. Y.</td>
</tr>
<tr>
<td>1876</td>
<td>Michigan</td>
<td>Ann Arbor, Mich.</td>
</tr>
<tr>
<td>1880</td>
<td>Northwestern</td>
<td>Evanston, Ill.</td>
</tr>
<tr>
<td>1885</td>
<td>Wisconsin</td>
<td>Madison, Wis.</td>
</tr>
<tr>
<td>1885</td>
<td>Lafayette</td>
<td>Easton, Pa.</td>
</tr>
<tr>
<td>1885</td>
<td>Columbia</td>
<td>New York City.</td>
</tr>
<tr>
<td>1885</td>
<td>Lehigh</td>
<td>South Bethlehem, Pa.</td>
</tr>
<tr>
<td>1886</td>
<td>Tufts</td>
<td>West Somerville, Mass.</td>
</tr>
<tr>
<td>1887</td>
<td>De Pauw</td>
<td>Greencastle, Ind.</td>
</tr>
<tr>
<td>1890</td>
<td>Minnesota</td>
<td>Minneapolis, Minn.</td>
</tr>
<tr>
<td>1891</td>
<td>Technology</td>
<td>Boston, Mass.</td>
</tr>
<tr>
<td>1894</td>
<td>Swathmore</td>
<td>Swathmore, Pa.</td>
</tr>
<tr>
<td>1895</td>
<td>California</td>
<td>Berkeley, Cal.</td>
</tr>
<tr>
<td>1895</td>
<td>Leland Stanford, Jr.</td>
<td>Palo Alto, Cal.</td>
</tr>
</tbody>
</table>
DELTA UPSILON.

TECHNOLOGY CHAPTER.

Frater in Facultate.
FRANK VOGEL.

MEMBERS.

Huntly Ward Davis.
Alfred Kimball Downes.
William Wise Eaton.
William Baldwin Hough.
Ethan Henry Howard.
Bassett Jones, Jr.
Sullivan Williams Jones.
Frederic Nelson LeBaron.

Miles Standish Richmond.
Granville Smith.
Jacob Stone, Jr.
William Randolph Strickland.
George Richards Townsend.
George Reed Wadsworth.
Robert Bruce Wallace.
Ward Wellington Ward.

THOMAS ROTE WEYMOUTH.

Fratres in Urbe.

Joshua Atwood, 3d.
Louis Derr.
Albert Lincoln Kendall.
Willis Taylor Knowlton.
Maurice LeBosquet.

Walter Elbridge Piper.
Thomas Gleason Richards.
Frank Cummings Shepard.
Alfred Ball Tenney.
Alfred Edward Zapf.
# Sigma Alpha Epsilon

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

## CHAPTER ROLL.

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Mass. Delta</td>
<td>Trinity College</td>
<td>Hartford, Conn.</td>
</tr>
<tr>
<td>Conn. Alpha</td>
<td>Columbia University</td>
<td>New York, N. Y.</td>
</tr>
<tr>
<td>N. Y. Mu</td>
<td>St. Stephen's College</td>
<td>Annandale, N. Y.</td>
</tr>
<tr>
<td>N. Y. Sigma Phi</td>
<td>Allegheny College</td>
<td>Meadville, Pa.</td>
</tr>
<tr>
<td>Penn. Omega</td>
<td>Dickinson College</td>
<td>Carlisle, Pa.</td>
</tr>
<tr>
<td>Va. Omicron</td>
<td>University of Virginia</td>
<td>Charlottesville, Va.</td>
</tr>
<tr>
<td>N. C. Xi</td>
<td>Davidson College</td>
<td>Chapel Hill, N. C.</td>
</tr>
<tr>
<td>N. C. Theta</td>
<td>South Carolina College</td>
<td>Davidson, N. C.</td>
</tr>
<tr>
<td>S. C. Delta</td>
<td>Furman University</td>
<td>Columbia, S. C.</td>
</tr>
<tr>
<td>S. C. Phi</td>
<td>Wofford College</td>
<td>Greenville, S. C.</td>
</tr>
<tr>
<td>S. C. Gamma</td>
<td>University of Georgia</td>
<td>Spartanburg, S. C.</td>
</tr>
<tr>
<td>Ga. Psi</td>
<td>Emory College</td>
<td>Macon, Ga.</td>
</tr>
<tr>
<td>Ga. Phi</td>
<td>University of Michigan</td>
<td>Atlanta, Ga.</td>
</tr>
<tr>
<td>Ohio Sigma</td>
<td>Ohio Wesleyan University</td>
<td>Alliance, Ohio.</td>
</tr>
<tr>
<td>Ohio Delta</td>
<td>University of Cincinnati</td>
<td>Delaware, Ohio.</td>
</tr>
<tr>
<td>Ohio Epsilon</td>
<td>Ohio State University</td>
<td>Cincinnati, Ohio.</td>
</tr>
<tr>
<td>Ohio Theta</td>
<td>Franklin College</td>
<td>Columbus, Ohio.</td>
</tr>
<tr>
<td>Ind. Alpha</td>
<td>Perdue University</td>
<td>Franklin, Ind.</td>
</tr>
<tr>
<td>Ind. Beta</td>
<td>Northwestern University</td>
<td>Lafayette, Ind.</td>
</tr>
<tr>
<td>Ill. Psi Omega</td>
<td>Central University</td>
<td>Evansville, Ill.</td>
</tr>
<tr>
<td>Ky. Kappa</td>
<td>Bethel College</td>
<td>Richmond, Ky.</td>
</tr>
<tr>
<td>Ky. Iota</td>
<td>Southwestern Presbyterian University</td>
<td>Russellville, Ky.</td>
</tr>
<tr>
<td>Tenn. Zeta</td>
<td>Cumberland University</td>
<td>Clarksville, Tenn.</td>
</tr>
<tr>
<td>Tenn. Lambda</td>
<td>Vanderbilt University</td>
<td>Lebanon, Tenn.</td>
</tr>
<tr>
<td>Tenn. Nu</td>
<td>University of Tennessee</td>
<td>Nashville, Tenn.</td>
</tr>
<tr>
<td>Tenn. Kappa</td>
<td>University of the South</td>
<td>Knoxville, Tenn.</td>
</tr>
<tr>
<td>Tenn. Omega</td>
<td>Southwestern Baptist University</td>
<td>Sewanee, Tenn.</td>
</tr>
<tr>
<td>Tenn. Eta</td>
<td>University of Alabama</td>
<td>Jackson, Tenn.</td>
</tr>
<tr>
<td>Ala. Mu</td>
<td>Southern University</td>
<td>&quot;Tuscaloosa, Ala. (*Jackson, Tenn.*)</td>
</tr>
<tr>
<td>Ala. Iota</td>
<td>Alabama Polytechnic Institute</td>
<td>Greerboro, Ala.</td>
</tr>
<tr>
<td>Ala. Alpha Mu</td>
<td>University of Mississippi</td>
<td>Auburn, Ala.</td>
</tr>
<tr>
<td>Miss. Gamma</td>
<td>Simpson College</td>
<td>Oxford, Miss.</td>
</tr>
<tr>
<td>Iowa Sigma</td>
<td>University of Missouri</td>
<td>Indiana, Iowa.</td>
</tr>
<tr>
<td>Mo. Alpha</td>
<td>Washington University</td>
<td>Columbia, Mo.</td>
</tr>
<tr>
<td>Mo. Beta</td>
<td>University of Nebraska</td>
<td>St. Louis, Mo.</td>
</tr>
<tr>
<td>Neb. Lambda Pi</td>
<td>University of Arkansas</td>
<td>Lincoln, Neb.</td>
</tr>
<tr>
<td>Ark. Alpha Upsilon</td>
<td>University of Texas</td>
<td>Fayetteville, Ark.</td>
</tr>
<tr>
<td>Tex. Rho</td>
<td>University of Colorado</td>
<td>Austin, Tex.</td>
</tr>
<tr>
<td>Col. Chi</td>
<td>Denver University</td>
<td>Boulder, Col.</td>
</tr>
<tr>
<td>Col. Zeta</td>
<td>Leland Stanford, Jr., University</td>
<td>Denver, Col.</td>
</tr>
<tr>
<td>Cal. Alpha</td>
<td>University of California</td>
<td>Palo Alto, Cal.</td>
</tr>
<tr>
<td>Cal. Beta</td>
<td></td>
<td>Berkeley, Cal.</td>
</tr>
</tbody>
</table>

93
SIGMA ALPHA EPSILON.

MASSACHUSETTS IOTA TAU CHAPTER.

MEMBERS.

William Russell Allen.
Jonathan Bartley Brennemann.
Cardella Drake Brown.
Howard Henry Burdick.
Walter Meiggs Bush.
Luzerne Simeon Cowles.
Howard Browning Collins.
Charles Spencer Crane.
Chester Francis Drake.
John Wallis Fleet.

Charles Mussey Fosdick.
Elmer Louis Gerber.
Alexander Gilchrist Hawes, Jr.
John Hastings Howland.
Harrington Mack.
Carl Leon Morgan.
Charles Edward Morton.
Charles Franklin Smith.
William Deering Staples.
James Alexander Stetson.
Charles Herbert Sweetser.

Frater in Urbe.

Albert Richard Beddall.
Wallace Clark Brackett.
Howard Chase Buckminster.
Herbert Nathan Dawes.
William Nathan Crosby.
Russell Samuel Bucher.

Frank Bird Masters.
Richard Henry Parker, Jr.
Walter Robert Phemeister.
John De Loss Underwood.
Winslow Abbott Wilson.
Herman Hormel.
**Delta Tau Delta.**

Founded at Bethany College, January 1, 1860.

---

**CHAPTER ROLL.**

<table>
<thead>
<tr>
<th>Division of the South</th>
<th>Division of the West</th>
<th>Division of the North</th>
<th>Division of the East</th>
</tr>
</thead>
<tbody>
<tr>
<td>A. Vanderbilt University</td>
<td>University of Iowa</td>
<td>B. Ohio University</td>
<td>A. Allegheny College</td>
</tr>
<tr>
<td>II. University of Mississippi</td>
<td>University of Wisconsin</td>
<td>E. Albion College</td>
<td>G. Washington and Jefferson College</td>
</tr>
<tr>
<td>B. A. University of Georgia</td>
<td>University of Minnesota</td>
<td>Z. Adelbert College</td>
<td>P. Stevens Institute of Technology</td>
</tr>
<tr>
<td>B. E. Emory College</td>
<td>University of Colorado</td>
<td>I. Michigan Agricultural College</td>
<td>S. Williams College</td>
</tr>
<tr>
<td>B. Θ. University of the South</td>
<td>Northwestern University</td>
<td>K. Hillsdale College</td>
<td>T. Franklin and Marshall College</td>
</tr>
<tr>
<td>B. I. University of Virginia</td>
<td>Leland Stanford, Jr., University</td>
<td>M. Ohio Wesleyan University</td>
<td>T. Rensselaer Polytechnic Institute</td>
</tr>
<tr>
<td>B. Ζ. Tulane University</td>
<td>University of Nebraska</td>
<td>X. Kenyon College</td>
<td>B. A. Lehigh University</td>
</tr>
<tr>
<td></td>
<td>University of Illinois</td>
<td>B. B. De Pauw University</td>
<td>B. M. Tufts College</td>
</tr>
<tr>
<td></td>
<td></td>
<td>B. Z. Butler University</td>
<td>B. N. Massachusetts Institute of Technology</td>
</tr>
<tr>
<td></td>
<td></td>
<td>B. Ψ. Wabash College</td>
<td>B. O. Cornell University</td>
</tr>
<tr>
<td></td>
<td></td>
<td>B. Φ. Ohio State University</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Nashville, Tenn.  
Oxford, Miss.  
Athens, Ga.  
Sewanee, Tenn.  
Charlottesville, Va.  
New Orleans, La.  
Iowa City, Iowa.  
Madison, Wis.  
Minneapolis, Minn.  
Boulder, Col.  
Evanston, Ill.  
Palo Alto, Cal.  
Lincoln, Neb.  
Champaign, Ill.  
Athens, Ohio.  
Ann Arbor, Mich.  
Albion, Mich.  
Cleveland, Ohio.  
Ag'l College, Mich.  
Hillsdale, Mich.  
Delaware, Ohio.  
Gambien, Ohio.  
Bloomington, Ind.  
Greencastle, Ind.  
Indianapolis, Ind.  
Crawfordsville, Ind.  
Columbus, Ohio.  
Meadville, Pa.  
Washington, Pa.  
Hoboken, N. J.  
Williamstown, Mass.  
Lancaster, Pa.  
Troy, N. Y.  
S. Bethlehem, Pa.  
College Hill, Mass.  
Boston, Mass.  
Ithaca, N. Y.
DELTA TAU DELTA.

BETA NU CHAPTER.

MEMBERS.

William Jackson Angus.
Francis Minot Blake.
William Dewey Bradley.
Donald Chenery Campbell.
Herbert William Chamberlin.
Philip Benson Cooper.
Alfred Starr Hamilton.

Edward Lowther Holmes.
Augustus Clark Lamb.
Clifford Milton Leonard.
Thomas Nesmith, Jr.
Marshall Francis Oliver.
Jesse Wyman Shuman.
Montfort Hill Smith.
ALPHA DELTA PHI.

Warren Day Brown  
David Demorest Cassidy  
Aurin Moody Chase  
Edwin Hawley Hewitt  
Gerald Martin Richmond  
Edwin Chaplin Witherby  

Amherst.  
Harvard.  
Amherst.  
University of Minnesota.  
Amherst.  
Amherst.

ALPHA TAU OMEGA.

Frank Raymond Minnig  

University of Pennsylvania.

BETA THETA PI.

Frederick Delano Buffum  
Wendell Wyse Chase  
Morris Kinnard Trumbull  

Amherst.  
Maine State College.  
Beloit College.

KAPPA ALPHA.

George Owens Haskell  

University of South Carolina.

PHI GAMMA DELTA.

William Sumner Barton Dana  

Worcester Polytechnical Institute.

ZETA PSI.

Harry Howard Hamlin  

Bowdoin College.

PSI UPSILON.

Thomas Hally Bissell  
Asa Waters Grosvenor  
George Danforth Huntington  

Lehigh University.  
Amherst.  
University of Rochester.
<table>
<thead>
<tr>
<th>Fraternity</th>
<th>Members</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sigma Chi</td>
<td>22</td>
</tr>
<tr>
<td>Theta Xi</td>
<td>14</td>
</tr>
<tr>
<td>Delta Psi</td>
<td>18</td>
</tr>
<tr>
<td>Chi Phi</td>
<td>18</td>
</tr>
<tr>
<td>Delta Kappa Epsilon</td>
<td>23</td>
</tr>
<tr>
<td>Phi Beta Epsilon</td>
<td>26</td>
</tr>
<tr>
<td>Delta Upsilon</td>
<td>17</td>
</tr>
<tr>
<td>Sigma Alpha Epsilon</td>
<td>21</td>
</tr>
<tr>
<td>Delta Tau Delta</td>
<td>14</td>
</tr>
<tr>
<td>Other Fraternities represented</td>
<td>16</td>
</tr>
<tr>
<td></td>
<td><strong>189</strong></td>
</tr>
</tbody>
</table>

Percentage of Fraternity men at Technology, 15.8.
"So many men, so many minds,"
These clubmen are of diverse kinds;
    Sea dogs who haunt where waters (?) roll,
Frenchmen and Dutch who give the "spiels,"
Cyclists who boast of having "wheels,"
    And outlaws bad, who drain the bowl.

So many clubs, both great and small,
Can furnish offices to all
    Who love to be high cock-alorum;
But one hard problem comes to each,
One maxim every club can teach,—
    It's beastly hard to get a quorum.
HAMMER AND TONGS.

OFFICERS.

President.
JOHN PARKER ILSLEY, JR.

Vice President.
EDWARD STURTEVANT.

Secretary.
SAMUEL FOSDICK JONES.

Treasurer.
LEWIS ANDREWS HAYDEN.

MEMBERS.

ROBERT ANDERSON.
WILFRED BANCROFT.
JOSEPH BANCROFT.
THOMAS HALLY BISSELL.
CHARLES WALTER BRADLEE.
FRANKLIN WHITNEY DOLIBER.
CHARLES EWING.
WILLIAM HENRY FOX.
BROOKS FROTHINGHAM.
ASA WATERS GROSVENOR.
LEWIS ANDREWS HAYDEN.

RICHARD STANLEY HOWLAND.
BENJAMIN HURD.
JOHN PARKER ILSLEY, JR.
EDWARD JOHNSON, JR.
SAMUEL FOSDICK JONES.
GEORGE HERBERT MCCARTHY.
JOHN SHELLEY PECHIN.
WILLIAM EDWARD PUTNAM.
EDWARD BRIDGE RICHARDSON.
CARL SCHUTTLE.
EDWARD STURTEVANT.

GEORGE FREDERICK ULMER.
Delta Sigma.

MEMBERS.

Samuel S. Sadtler.
Conrad Henry Young.
Norman Paul Rood.
Robert Johnson.
Frank E. Guptil.
Carl Leon Morgan.

Διδαχαίς ἀφίγεται καὶ κάθερεν Σινώ
ἄι κιπρίδοις, τρεῖς γέγυνοκό
μᾶζευφόφορες καὶ χονίσε
καὶ γεγυνά ἀφίγετ, ἐρ "ἀχατές."—Sphinxonis.
K2 S.
Founded in 1885.

OFFICERS.

President.
Robert George Hall.

Vice President.
Arthur Ira Franklin.

Secretary.
Ralph Albert Bowen.

Treasurer.
William Aleck Faxon.

Librarian.
John Newton Goddard.

MEMBERS.

Class of '97.
Ralph Albert Bowen.
John Boyd.
Carroll Adams Capen.
William Aleck Faxon.

Edward Harold Woodworth.

Ralph Albert Bowen.

Class of '98.
Arthur Alphonzo Blanchard.
Howard Browning Collins.
Daniel Wilbert Egerly.
John Newton Goddard.

William White.

Dwight Farnum.

Class of '99.
Clifford Melville Swan.

Frank Robinson Swift.

HONORARY MEMBERS.

Samuel Cabot.
Henry Carmichael.
Thomas M. Drown.
Thomas Evans.
Henry Fay.
Augustus H. Gill.
Heinrich O. Hofman.
G. Russell Lincoln.

Richard W. Lodge.
F. Jewett Moore.
Samuel P. Mulliken.
James F. Norris.
Arthur A. Noyes.
Henry Paul Talbot.
Robert H. Richards.
William H. Walker.
OFFICERS.


Chief's Daughter. Charles Calvin Briggs.

Council of War.
Walter Esmond Rabbeth.
George Stanton Tiffany.
Henry Welles Tubbs.

 BRAVES.

Class of '99.
Henry Kimberly Babcock.
Edwin Park Burdick.
James Ernest Childs.
Robert Frazier, Jr.
Russell Gilpin.
John Cameron Greenleaf.
Russell Hall.
Arthur Little Hamilton.
Edward Hosmer Hammond.
Alexander Rieman Holliday.
Timothy Wright Hoxie.
William Abbott Kinsman.
Eugene de Mitkiewicz, Jr.
Henry Grant Morse.
William Stark Newell.
Gerard Riotte.
George Avery Robinson.
Pedro Sanchez Y. Batista.
Roland Williams Stebbins.
Henry Kingsbury Terry, Jr.
Merle Weeks.

Class of 1900.
Charles Calvin Briggs, Jr.
Samuel Bass Elbert.
Bertram William Batchelder Greene.
John Mitchell Higgins.
Sullivan Williams Jones.
Ralph Plumb.
Walter Esmond Rabbeth.
George Otto Schneller.
Stanley Collamore Sears.
Marcy Leavenworth Sperry.
Lewis Stewart.
George Stanton Tiffany.
Henry Welles Tubbs.
Theodore Calvin Tuck.
Morris Homans Whitehouse.
THE 'SHERWOOD CLUB.

OFFICERS.

Robin Hood.
Roland Williams Stebbins.

Little John.
Alexander Rieman Holliday.

Friar Tuck.
Robert Grant Holabird.

OUTLAWS.

Robert Grant Holabird.
Alexander Rieman Holliday.

Henry Grant Morse, Jr.
Thomas Pendleton Robinson.

Class of '98.

James Saxton Barber.
John Stearns Bleecker.
William Brewster.
Paul Clifford.
Finlay Forbes Ferguson.
Howell Fisher.
George McMurtrie Godley.
Samuel Fosdick Jones.
Carleton Spayth Koch.
Bryce Metcalf.

Richard Mommers.
Edward Bridge Richardson.
William Attmore Robinson, Jr.
Ernest Frank Russ.
William Henry Tew.
Maurice de Kay Thompson.
George Frederick Ulmer.
Richard Benedict Van Horne.
Walter Chauncey Watrous.
Charles—Edward Amory Winslow.

Class of '99.

William Malcolm Corse.
William Curry.
Robert Frazier, Jr.
Russell Gilpin.
Edward Hosmer Hammond.
Alexander Rieman Holliday.
Arthur Little Hamilton.
Robert Grant Holabird.

Timothy Wright Hoxie.
George Otis Jackson.
Henry Grant Morse, Jr.
Charles Snead McDonald.
William Stark Newell.
Thomas Pendleton Robinson.
George Avery Robinson.
Roland Williams Stebbins.

Merle Weeks.

104
OFFICERS.

President.
THURLOW WASHBURN.

Vice President.
STANLEY AGAR HOOKER.

Secretary and Treasurer.
WILLIAM EATON WEST.

MEMBERS.

HENRY KIMBERLY BABCOCK.
GEORGE EDWIN BERGSTROM.
HOWARD LAWRENCE BODWELL.
LOUIS BREER.
CLARENCE CLAPP BROWN.
DAVID DEMOREST CASSIDY, JR.
IRÉNÉE DU PONT.
WILLIAM HENRY FOX.
WILLIAM HOWARD FULTON.
ARTHUR LITTLE HAMILTON.
WILLIAM LOWDER HEARNE.

WALTER HIBBARD HINMAN.
STANLEY AGAR HOOKER.
WILLIAM ADAMSON MARSHALL.
ISAAC OSGOOD.
GEORGE OTTO SCHNEIDER.
KENNETH SEAVER.
EDWIN RUTHVEN SHEAK.
MILES STANDISH SHERRILL.
CHARLES JERNEGAN SKINNER.
HERVEY JUDSON SKINNER.
THURLOW WASHBURN.

WILLIAM EATON WEST.
OFFICERS.

President.
Florence A. Wood.

Vice President.
Mabel Forrest.

Secretary.
Edna M. Chandler.

Treasurer.
Matilda A. Fraser.

MEMBERS.

Bertha L. Ballantyne.
Jane H. Bartlett.
Mary A. Boland.
Harriet J. Buck.
Marion L. Cade.
Edna M. Chandler.
Mabel D. Clapp.
Catharine J. Coolidge.
Jane Cutler.
Margaret E. Dodd.
Henrietta Dozier.
Clara I. Durgin.
Evelyn F. Fifield.
Mabel Forrest.
Matilda A. Fraser.
Harriet T. Gallup.

Clara E. Ham.
Anna C. Hicks.
Cora S. Hopwood.
Grace Langford.
Harriet F. Locke.
Lilly Miller.
Harriette N. Noyes.
Ida A. Ryan.
Mary B. Strong.
Mary Sturtevant.
Mary J. Thomson.
Susannah Usher.
Eleanor F. Whiting.
Nettie M. Willey.
Alice V. Wilson.
Florence A. Wood.

Frances Zirngiebel.
M.I.T. YACHT-CLUB

OFFICERS.

Commodore.
Albert Loring Swasey.

Vice Commodore.
Frederick Cromwell Field.

Rear Commodore.
Edward Sturtevant.

Fleet Captain.
Walter Page.

Treasurer.
Sheldon Leavitt Howard.

Secretary.
Edward Johnson, Jr.

ACTIVE MEMBERS.

Morgan Barney.
John Stearns Bleecker.
Charles Walter Bradlee.
Franklin Whitney Doliber.
Frederick Cromwell Field.
George Arthur Fuller.
George McMurtrie Godley.
Edward Hosmer Hammond.
Sheldon Leavitt Howard.
Richard Stanley Howland.
Benjamin Hurd.
Allen Winchester Jackson.
Edward Johnson, Jr.
Bassett Jones, Jr.

Samuel Fosdick Jones.
Sullivan Williams Jones.
George Herbert McCarthy.
Alpheus Appleton Packard.
Walter Page.
William Thornton Parker, Jr.
William Edward Putnam, Jr.
Edwin Ruthven Sheak.
Charles Franklin Smith.
Granville Smith.
Edward Sturtevant.
Albert Loring Swasey.
Raymond Smith Willis.
Charles-Edward Amory Winslow.

HONORARY MEMBERS.

Pres. Francis A. Walker.*
Mr. C. Binney.
Mr. Harry S. Gilman.
Mr. Harry Howard.
Mr. J. P. Loud.

Prof. G. A. Osborne.
Mr. G. Owen, Jr.
Prof. C. H. Peabody.
Mr. Charles H. Pope.
Mr. O. B. Roberts.

Mr. Andrew D. Fuller.
OFFICIERS.

Président.
CHARLES-EDWARD AMORY WINSLOW.

Vice Président.
DAVID LA FOREST WING.

Secrétaire.
GEORGE THURSTON COTTLE.

Trésorier.
HERBERT IVORY LORD.

Membre du Conseil d'Administration.
EDWARD NORTH.

MEMBRES.

LAWRENCE ADDICKS.
LEON ALLAND.
EDWARD SAMUEL CHAPIN.
JOHN ARTHUR COLLINS, JR.
GEORGE THURSTON COTTLE.
CHESTER FRANCIS DRAKE.
LESTER DURAND GARDNER.
CHARLES NELSON HASKINS.
BENJAMIN HAZELTINE, JR.
CARL STOUT HIGH.
STANLEY AGAR HOOKER.
ARTHUR THOMAS HOPKINS.
EDWARD JOHNSON, JR.
CHARLES TILESTON LEEDS.
CHARLES EDWARD LORD.

HERBERT IVORY LORD.
GEORGE EDWARD LYNCH.
EARL POTTER MASON.
DURAND MAYER.
GEORGE HERBERT McCARTHY.
WILLIAM LONGFELLOW MORRIS.
EDWARD NORTH.
RALPH ROLLINS RUMERY.
WILLIAM OTIS SAWTELLE.
DAVID SCHWARTZ.
GODFREY LEWIS SMITH.
WALTER EVANS SPEAR.
GEORGE WINFIELD TREAT.
DAVID LA FOREST WING.
CHARLES-EDWARD AMORY WINSLOW.
DER DEUTSCHEN VEREIN.

Präsident.
WALTER G. ZIMMERMANN, '98.

Vice Präsident.
EDWARD R. HEISSLER, '97.

Schatzmeister.
F. H. KEISKER, '97.

Sekretär.
A. D. SPIESS, '97.

Vollziehungs Committee.
W. G. ZIMMERMANN, '98.
A. D. SPIESS, '97.

Mitglieds Committee.
H. R. VAHLKAMP, '97.
G. F. ULMER, '98.
W. R. TOWER, '00.

Programm Committee.
L. J. SEIDENSTICKER, '98.
A. G. A. SCHMIDT, '00.

EHREN-PRÄSIDENT.
PROF. A. N. VAN DAELL.

EHREN-MITGLIEDER.

PRES. FRANCIS A. WALKER.*
PROF. GEORGE T. DIPPOLD.
PROF. HEINRICH O. HOFMANN.
PROF. HENRY P. TALBOT.
PROF. HARRY W. TYLER.
PROF. GEORGE F. SWAIN.
PROF. FRANK VOGEL.

HERR JOSEPH BLACHSTEIN.
HERR C. H. L. N. BERNARD.
HERR LÉON E. BERNARD.
HERR JUSTUS ERHARDT.
HERR HARRY M. GOODWIN.
HERR G. RUSSELL LINCOLN.
HERR JAMES H. STANWOOD.

WIRKLICHE MITGLIEDER.

Klasse von 1897.

W. A. FAXON.
E. R. HEISSLER.
S. L. HOWARD.
W. HUMPHREYS.
F. H. KEISKER.

H. ORR.
E. W. RITCHIE.
A. D. SPIESS.
H. R. VAHLKAMP.
T. E. VIDETO.

R. S. VINAL.

Klasse von 1898.

W. A. CLEAVELAND.
O. H. LEONARD.
C. W. PENDELL.
J. C. RILEY.
J. H. SEARS.

L. J. SEIDENSTICKER.
G. SMITH.
R. TETTIG.
G. F. ULMER.
W. G. ZIMMERMANN.

Klasse von 1899.

K. M. BLAKE.
A. H. BROWN.
G. I. COPP.
S. EMERY.
G. O. JACKSON.

A. A. JOHNSON.
G. MAGEE, JR.
H. L. MORSE.
S. MOTCH.
G. C. WINSLOW, JR.

Klasse von 1900.

M. DAVENPORT.
C. M. HAMMBERGER.

A. G. A. SCHMIDT.
W. R. TOWER.

110
Der Deutsche Verein
OFFICERS.

Executive Committee.


Secretary and Treasurer.

Charles Walter Bradlee, '97.

FACULTY MEMBERS.

President Francis A. Walker.*

Prof. Arlo Bates. Mr. Henry G. Pearson.
Prof. Charles R. Cross. Dr. William Z. Ripley.
Prof. C. F. A. Currier. Prof. William T. Sedgwick.
Prof. Davis R. Dewey. Mr. John O. Sumner.
Prof. George T. Dippold. Prof. Alphonse N. van Daell.

Prof. Frank Vogel.

MEMBERS.

Everett Nichols Curtis. George Herbert McCarthy.
Franklin Whitney Doliber. William Thornton Parker, Jr.
John Augustine Donovan. Ernest Frank Russ.
Sheldon Leavitt Howard. Fred Henry Twombly.

David La Forest Wing.
OFFICERS.

President.
LAWRENCE LEE GAILLARD,
Charleston, S. C.

Vice President.
CHARLES EDWIN FLEMING,
Spartanburg, S. C.

Secretary and Treasurer.
HARRY MONTIFIX KEYS,
Rockville, Md.

Executive Committee.
ROBERT FRANCIS PORTNER,
Manassas, Va.

WILLIAM ROBINSON BONNCYCASTLE,
Louisville, Ky.

GEORGE OWENS HASKELL,
Savannah, Ga.

MEMBERS.

WILLIAM ROBINSON BONNCYCASTLE . . . . . . Louisville, Ky.
CHARLES EDWIN FLEMING . . . . . . . . . . . . Spartanburg, S. C.
LAWRENCE LEE GAILLARD . . . . . . . . . . . . Charleston, S. C.
GEORGE OWENS HASKELL . . . . . . . . . . . . Savannah, Ga.
HARRY MONTIFIX KEYS . . . . . . . . . . . . . . . . Rockville, Md.
CHARLES ALLEN MERRIAM . . . . . . . . . . . . Charleston, S. C.
HELM MINARY . . . . . . . . . . . . . . . . . . . . Louisville, Ky.
ROBERT FRANCIS PORTNER . . . . . . . . . . . . Manassas, Va.
GEORGE AVERY ROBINSON . . . . . . . . . . . . Louisville, Ky.
GRANVILLE SMITH . . . . . . . . . . . . . . . . . . Washington, D. C.
OSCAR GEORGE VOGT . . . . . . . . . . . . . . . . Washington, D. C.
OFFICERS.

President.
Edward Raymond Motch.

Vice President.
Jesse Treadwell Lippincott.

Secretary-Treasurer.
Walter Henry Lee.

MEMBERS.

Frederick Hosmer Cooke.
William Asbury Dorey.
Harry Lamar Grant.
Stanley Agar Hooker.
Walter Henry Lee.
Jesse Treadwell Lippincott.
Stanley Motch.

Edward Raymond Motch.
Achilles Henry Pugh.
Norman Paul Rood.
Walter Louis Rapp.
William Sellew.
William Randolph Strickland.
Rudolph Tietig.
OFFICERS.

President.

Vice President.
E. R. Heissler, '97.

Secretary.
W. G. Zimmermann, '98.

Treasurer.

Executive Committee.
J. T. Harahan, Jr., '99.


MEMBERS.

Charter Members.

E. B. Baumann, '97.
F. W. Everett, '97.
M. F. Ewen, '97.
H. F. Hoitt, '97.

H. H. Riddle, '99.
L. W. Riddle, '99.
G. B. Street, '99.
M. K. Trumbull, '97.
R. S. Willis, '98.
W. G. Zimmermann, '98.

Active Members.

W. J. Angus, '00.
E. B. Cahn, '00.
F. D. Chase, '00.
R. S. De Golyer, '98.
W. B. Dwight, '00.
M. Frank, '97.

J. L. Fyfe, '97.
M. W. Hall, '00.
J. T. Harahan, Jr., '99.
E. R. Heissler, '97.
V. R. Lanshing, '97.
C. M. Leonard, '00.

G. Magee, Jr., '99.
H. C. Morris, '00.
W. C. Potter, '97.
A. G. A. Schmidt, '00.
T. E. Tallmadge, '98.
W. J. Walther, '97.
E. Woodyatt, '97.

Associate Members.

R. E. Bakenhus, '96.

W. Coolidge, '96.
H. V. von Holst, '96.

J. C. Scovel, '96.
M. J. Sturm, '96.
OFFICERS.

President.
WILLIAM ALBERT KENT.

Secretary-Treasurer.
OSCAR GEORGE VOGT.

MEMBERS.

WILLIAM ALBERT KENT.
HARRY MONTIFIX KEYS.
ROBERT FRANCIS PORTNER.

GRANVILLE SMITH.
DARWIN ULKE.
OSCAR GEORGE VOGT.
OFFICERS.

President.
Herbert Ivory Lord, '98.

Vice President.
Stanley Gay Hyde Fitch, '00.

Treasurer.

Secretary.
Edward Samuel Chapin, '98.

Director.
Walter Humphreys, '97.

MEMBERS.

Class of '97.

Edgar Marvin Hawkins.
Frederick John Hemmings.
Roger Fuller Horsford.

David Schwartz.

Class of '98.

Leon Alland.
John Stearns Bleecker.
Arthur Francis Brewer.
Paul Clifford.
Frank Forest Colcord.
George Thurston Cottle.
Everett Nichols Curtis.
George Rupert Davison.
Simon Fleischer.
Albert Webster Gray.
Irvin Hayes Kaufman.

Charles Swanberg Hürter.
Harold Torey Mulhall.
Henry Arthur Sherman.

Class of '99.

Clifford Mann Balkam.
George Winslow Brown.
Harry Solomon Mork.

George Irving Copp.
Robert Arthur Ferguson.
Ernest Albrecht Regestein.

Class of 1900.

James Hervey Batcheller.
Walter Augustus Hallstrom.

William Colegrove Saunders.
Stanley Collamore Sears.
OFFICERS.

President.
WALTER OWEN ADAMS.

Vice President.
Louis Jerome Richards.

Secretary.
ALBERT FRANKLIN NATHAN, JR.

Treasurer.
EARL CALDWELL EMERY.

Field Manager.
STUART BERWICK MILLER.

MEMBERS.

WALTER OWEN ADAMS.
FREDERICK CHESLEY AYER.
CARLYLE NORRIS BARRON.
GUY PRENTICE BURCH.
EDGAR BERNARD CAHN.
EDMUND HORACE DURGIN.
EARL CALDWELL EMERY.
ARTHUR WILLIAM GEIGER.

AUSTIN ELY GIBSON.
ETHAN HENRY HOWARD.
LANE JOHNSON.
STEWART BERWICK MILLER.
ALBERT FRANKLIN NATHAN, JR.
JULIUS NOLTE.
GEORGE HEYWOOD PRIEST.
LOUIS JEROME RICHARDS.

RALPH ROLLINS RUMERY.
OFFICERS.

President.
Allen Winchester Jackson, '97.

Vice President.

Secretary-Treasurer.
Marshall Francis Oliver, '97.

MEMBERS.

Francis Minot Blake, '98.
George Whitefield Blood, '98.
Roy Hale Bolster, '00.
Edward Samuel Chapin, '98.
Edwin Sherrill Dodge, '97.
Irénée du Pont, '97.
Alfred Starr Hamilton, '97.
Ross Hasbrouck, '99.

Frank Boltin Heathman, '98.
Oswald Constantin Hering, '97.
Henry Ford Hoit, '97.
Harry Creighton Ingalls, '98.
Paul Franklin Johnson, '98.
George Eugene Mathews, '98.
Albert Franklin Nathan, Jr., '99.
Marshall Francis Oliver, '97.
Frank Robinson Swift, '99.
Maurice de Kay Thompson, Jr., '98.

Charles–Edward Amory Winslow, '98.
OFFICERS.

President.
Howard L. Coburn.

Vice President.
Joseph C. Riley.

Secretary and Treasurer.
Paul F. Johnson.

Captain.
William A. Robinson.

MEMBERS.

Robert Allyn.
George H. Booth.
Charles T. Bramhall.
William Brewster.
Howard L. Coburn.
Raymond H. Danforth.
Arthur T. Davis.
Arthur Elson.
Dwight Farnham.
Horace P. Farnham.
George A. Fuller.
Asa W. Grosvenor.
Charles M. Hamburger.
Fred L. Hayden.
Pual F. Johnson.

Harold W. Jones.
Allen Loomis.
Durand Mayer.
Frank R. Minnig.
Worthington Palmer.
Charles H. Pease.
Shirley S. Philbrick.
Joseph C. Riley.
William A. Robinson.
Norman E. Seavey.
Albert R. Shedd.
Charles H. Smith.
Lewis S. Streng.
Henry H. Sullivan.
Thomas J. Sullivan.

Charles F. Wing.
PROFESSIONAL
SOCIETIES
OFFICERS.

President.
CHARLES BODWELL PAINE.

Secretary.
ALLEN WINCHESTER JACKSON.

Treasurer.
FINLAY FORBES FERGUSON.

Executive Committee.

FREDERIC NELSON LE BARON.

RUSSELL WILLIAMS PORTER.

MEMBERS.

J. R. ALLEN.
E. B. BAUMANN.
H. P. BEERS.
C. A. BENNING.
G. E. BERGSTROM.
W. D. BRADLEY.
G. BURNSHAM.
D. D. CASSIDY.
H. K. CONKLIN.
F. E. COOMBS.
W. E. COTTER.
H. A. CURTIS.
W. H. CUTLER.
W. S. B. DANA.
H. W. DAVIS.
R. S. DE GOLYER.
E. S. DODGE.
J. R. Dwyer.
J. F. EVERETT.
M. F. EWEN.
C. EWING.
F. F. FERGUSON.
W. H. FOX.
J. L. Fyfe.
E. L. Gerber.
F. B. Heathman.
R. Henry.
O. C. Herling.
E. H. Hewitt.
H. F. Hoit.
R. G. Holabird.
E. L. Holmes.
J. H. House, Jr.
H. C. Ingalls.

A. W. JACKSON.
A. S. KEENE.
F. H. KEISKER.
A. A. LAWRENCE.
F. N. LE BARON.
H. W. LEE.
E. C. LITTLE.
E. B. MEAD.
M. F. OLIVER.
H. Orr.
C. B. PAINE.
W. PALMER.
R. W. PORTER.
W. E. PUTNAM.
P. RICHARDSON.
H. P. RICHMOND.
A. E. ROBINSON.
N. P. ROOD.
B. F. W. RUSSELL.
R. E. SAWYER.
E. H. SCHROEDER.
H. M. SEAVER.
G. L. SMITH.
H. E. SMITH.
M. H. SMITH.
R. C. SPRING.
J. STONE, JR.
T. E. TALLMADGE.
R. Tietig.
A. H. TUCKER.
W. W. WARD.
H. K. WHITE.
R. B. WHITTEN.
E. WOODYATT.
OFFICERS.

President.
LUZERNE S. COWLES.

Treasurer.
WILLIAM R. STRICKLAND.

Vice President.
JOHN E. CARTY.

Secretary.
JAMES F. SICKMAN.

Executive Committee.
LUZERNE S. COWLES.
EDWARD C. SHUMAN.
JAMES F. SICKMAN.

John B. Stouder.
GEORGE R. WADSWORTH.

Programme Committee.
PROF. GEORGE F. SWAIN.
PROF. DWIGHT PORTER.
ROGER W. BABSON.
HORACE R. THAYER.

PROF. ALFRED E. BURTON.
PROF. C. FRANK ALLEN.
MORTIMER FRANK.
CHARLES D. CLARK.

JOHN E. CARTY.

HONORARY MEMBERS.

President Francis A. Walker.*
PROF. GEORGE F. SWAIN.
PROF. DWIGHT PORTER.
PROF. C. FRANK ALLEN.
PROF. ALFRED E. BURTON.
MR. F. P. MCKIBBEN.
PROF. ARTHUR G. ROBBINS.
MR. M. S. JAMESON.
MR. K. S. SWEET.
MR. R. E. BAKENHUS.
MR. C. M. SPOFFORD.
Mr. H. C. STEVENS.
MEMBERS.

Class of '97.

M. W. Allen.
T. C. Atwood.
H. W. Ballou.
W. H. Barnes.
E. P. Bliss.
P. E. Blood.
H. Borden.
E. A. Brainerd.
C. B. Breed.
N. C. Burrill.
J. E. Carty.
C. B. Clark.
L. S. Cowles.
M. Frank.
W. A. Gleason.
S. Gowan.
C. L. Hammond.
J. H. Howland.
J. W. Killam.
J. E. Lewis.
B. A. Loveland.
E. P. Osgood.
A. L. Parsons.
J. R. Rogers.
H. F. Sawtelle.
J. B. Stouder.
C. H. Sweetser.
M. K. Trumbull.
W. J. Walther.
T. Washburn.
A. K. Downes.
W. Kent.

Class of '98.

L. Alland.
L. C. Allen.
A. E. Blackmer.
M. E. Brooks.
W. L. Butcher.
L. H. Byam.
J. L. Carr.
J. M. Chace, Jr.
P. H. Dater.
M. F. Delano.
C. F. Drake.
J. W. Fleet.
A. French.
E. W. Gehring.
A. W. Gray.
R. T. Horton.
W. D. Hubbard.
E. Johnson, Jr.
E. A. Jones.
E. P. Lane.
J. H. Larrabee.
J. J. Moebes.
L. D. Peavey.
R. W. Pratt, Jr.
B. B. Priest.
R. R. Rumery.
E. C. Sherman.
J. F. Sickman.
C. J. Skinner.
C. F. Smith.
W. F. Steffens.
W. R. Strickland.
H. R. Thayer.
G. W. Treat.
G. R. Wadsworth.
W. B. Wood.

Class of '99.

E. E. Abbee.
G. D. Abee.
R. P. Anderson.
A. L. Babbitt.
C. W. Brown.
G. P. Burch.
B. F. Burnett.
C. S. Drake.
A. B. Foote.
B. Herman.
F. E. Hermanns.
A. R. Holliday.
G. Magee, Jr.
W. E. Parker.
J. W. Wootlett.
R. H. Pinkham.
J. Real.
H. H. Starr.
F. R. Sites.
L. R. Whitaker.
W. C. Whitney.
G. C. Winslow, Jr.
Electrical Engineering Society

Officers - 1896-7

President - Proctor Lambert Dougherty
Vice President - Benjamin Alfred Howes
Secretary and Treasurer - Royal Hobart Hayward

Honorary Members

Prof. Francis A. Walker
Prof. Charles R. Cross
Prof. William L. Puffer
Prof. Harry E. Clifford
Mr. Frank A. Laws
Mr. Harry M. Goodwin

Mr. William L. Smith
Mr. Louis Derr
Mr. George V. Wendell
Mr. Charles L. Norton
Mr. William J. Drisko
Mr. Ralph R. Lawrence

Mr. William D. Coolidge
Programme Committee.

C. F. Baldwin.
L. A. Crowell.
C. H. Eames.
W. C. Ewing.
G. R. Davison.
R. M. Ferris, Jr.
L. L. Gaillard.
O. H. Gray.
N. Hayward.
J. E. Hazeltine.
A. F. Howard.
E. H. Howard.
C. D. Hubbard.
W. L. Lee.
C. E. Lord.
D. Mayer.
H. T. Mulhall.
W. E. Reed.
L. G. Robinson.
W. O. Sawtell.
J. W. Shuman.
E. L. Tinkham.
L. S. Tyler.
T. R. Weymouth.

MEMBERS.

Class of '97.

R. Anderson.
C. F. Baldwin.
E. L. Barkhouse.
D. Q. Brown.
W. D. Brown.
E. A. Coleman.
G. W. Cutter.
F. B. Cutler.
W. H. Daniels.
P. L. Dougherty.
C. H. Eames.
W. C. Ewing.
W. R. Fairbanks.
R. M. Ferris, Jr.
F. C. Field.
G. I. Fiske.
J. W. Fitzgerald.
L. L. Gaillard.
J. M. Gilmore.
O. H. Gray.
N. Hayward.
R. H. Hayward.
B. F. Healey.
E. H. Howard.
B. A. Howes.
C. D. Hubbard.
S. K. Humphrey.
H. D. Jackson.
W. B. King.
V. R. Lansing.
G. S. Lawler.
E. F. Learned.
W. L. Lee.
J. W. Mahoney.
E. S. Manson, Jr.
C. L. Morgan.
H. T. Mulhall.
W. E. Reed.
L. G. Robinson.
W. E. Sargent.
W. O. Sawtelle.
J. W. Shuman.
H. W. Smith.
J. S. Smyser.
E. L. Tinkham.
J. Taylor.
L. S. Tyler.
T. R. Weymouth.

Class of '98.

M. V. Ayres.
T. H. Bissell.
A. F. Brewer.
W. Cornell.
L. A. Crowell.
G. R. Davison.
F. B. Daves.
C. S. Doan.
R. C. Faught.
S. Fleisher.
C. W. Frazier.
O. Horsey.
J. E. Hazeltine.
A. F. Howard.
C. S. High.
F. M. Kellogg.
P. H. Lombard.
C. E. Lord.
H. Mack.
D. Mayer.
E. F. Morrill.
A. H. Nebel.
W. B. Nelson.
H. B. Newhall.
L. W. Packard.
C. W. Pendell.
H. A. Prime.
E. B. Richardson.
A. E. Sargent.
T. B. Smith.
W. D. Staples.
L. S. Streng.
F. Tappan.
M. de K. Thompson.
W. A. Wilder.
C. F. Wing, Jr.

Class of '99.

H. M. Case.
W. Curry.
H. M. Cushing.
C. W. Corbett, Jr.
S. A. Curtis.
J. C. Dryer.
J. A. Flemings.
W. B. Flynn.
F. F. Fowle.
J. T. Frame.
R. Hasbrouck.
J. A. Hayden.
B. P. Hazeltine.
J. L. Hern.
G. S. Hume.
E. R. Jones.
B. Jones, Jr.
W. L. Morris.
H. L. Morse.
W. J. O'Leary.
E. A. Regestein.
A. W. Proctor.
C. Renshaw.
W. R. Sawyer.
N. E. Seavey.
M. C. Mott-Smith.
J. Walls.
W. W. Wells.
P. W. Witherell.
W. L. Wood.
Chairman.

William T. Sedgwick.

MEMBERS.

Robert P. Bigelow.
Margaret E. Dodd.
George M. Holman.
Theodore Hough.
Fred De F. Lambert.

Herman W. Marshall.
Clarence W. Perley.
Samuel C. Prescott.
Percy G. Stiles.
Susannah Usher.

Arthur W. Weysse.
OFFICERS.

President.                                Secretary.
Prof. William H. Niles.                   Amadeus W. Grabau.

MEMBERS.

Prof. George H. Barton.                   Harriet E. Hobbs.
Grace M. Clarke.                          Albert P. Norris.
Alvan L. Davis.                           Heyward Scudder.
Katherine E. Dolbear.                     Albert E. Smyser.
Phillip Grabau.                           Susannah Usher.

Elvira Wood.
NAVAL ARCHITECTURAL SOCIETY

OFFICERS.

President.
Lewis Wetmore Riddle.

Vice President.
Walter Raymond Bean.

Secretary.
William Stark Newell.

MEMBERS.

Robert William Bailey.
Frank Nelson Horton.
Charles Barnard Page.

Edward Everett Pierce.
Edgar Pierce Trask.
Erving Rudolph Gurney.

Jamie Douglass MacBride.
WE BELIEVE IN ARBITRATION; WHEN THAT FAILS—STRIKE.

OFFICERS.

President.
William Daniels Blackmer.

Chief Agitator.
Frank Forest Colcord.

Secretary and Treasurer.
Lewis Andrews Hayden.

MINERS.

Howard Jonathan Benson.
William Daniels Blackmer.
Frank Forest Colcord.
Howard Browning Collins.
George McMurtrie Godley.

Lewis Andrews Hayden.
Charles Swanberg Hürter.
Walter Livingstone Lovejoy.
William McKell.
Albert William Tucker.

Model for 1900.
John Heber Slavins.

"FIVE HOURS OF CHEM. AND NO EXAMS."

131
Who is coming down the street,
In the gloaming?
Surely they are eager feet
Which are coming down the street,
When there watches maid so sweet,
While he's roaming,
For his coming down the street
In the gloaming.
MUSICAL ORGANIZATIONS
Leader.
Laforest George Robinson.

Manager.
Frank Eugene Coombs.

First Tenors.
Frank Eugene Coombs.
Edward Theodore Hildreth.
Thomas William Sturgeon.

Second Tenors.
Walter Owen Adams.
Atherton Howe Tucker.
Augustus Clark Lamb.
George Reed Wadsworth.

First Bass.
Howard Jonathan Benson.
Winthrop Rufus Dodge.
Charles Barnard Page.

Second Bass.
George Rutherford Anthony.
Louis William Shumaker.
Harry George Johnson.
Percy Rolfe Ziegler.
Leader.
Milton Weston Hall.

Manager.
James Ezra Hazeltine.

Mandolins.
Paul Raymond Brooks.
Milton Weston Hall.
James Ezra Hazeltine.
Argyle Eggleston Robinson.
Walter Hannen Sutliff.
Thomas Rote Weymouth.

Flute.
Herbert Munroe Case.

Guitars.
Lawrence Addicks.
Robert Seeley De Golyer.
Benjamin Prescott Hazeltine, Jr.
George Reed Wadsworth.
THE BANJO CLUB

PERRY CLAPP BROWN SCOTT
DE GOLTER BLAKE ADDICKS WHITE HAZELTINE
Leader.
Lawrence Addicks.

Manager.
Francis Minot Blake.

Banjeaurines.
Harvey Rowland Clapp.
Walter Scott.
Frank Bridgham Perry.
Harry Keith White.

Banjos.
Francis Minot Blake.
Cardella Drake Brown.

Guitars.
Lawrence Addicks.
Robert Seeley De Golyer.
Benjamin Prescott Hazeltine, Jr.
Executive Officers.

President.
FRANK EUGENE COOMBS.

Vice President.
FRANCIS MINOT BLAKE.

Secretary.
GEORGE RUTHERFORD ANTHONY.

Treasurer.
WALTER HANNEN SUTLIFF.

General Manager.
AUGUSTUS CLARK LAMB.
Alumni Associations.

Technology Alumni Association.

President.
John R. Freeman, '76.

Vice President.
Edwin C. Miller, '79.

Secretary.
Augustus H. Gill, '84.
Massachusetts Institute of Technology, Boston.

Executive Committee.
The President, Vice President, and Secretary.
George J. Foran, '83.
Charles W. Taintor, '93.

The Northwestern Association.

President.
Frank Wells, '70.

Vice President.

Secretary and Treasurer.
E. M. Hagar, '93.
554 The Rookery, Chicago, Ill.

Executive Committee.
The President, Vice President, Secretary, and Treasurer.
R. H. Pierce, '85.
Solomon Sturges, '87.

The Western Association.

President.
Edward W. Rollins, '71.

Vice President.
Bradford H. Locke, '72.

Secretary and Treasurer.
Frank E. Shepard, '87.
924 Washington Avenue, Denver, Col.
THE M. I. T. SOCIETY OF NEW YORK.

Executive Committee.

George L. Heins, '82.
Harvey S. Chase, '83.

Frank A. Pickernell, '85.
Edward D. Brown, '90.

Secretary and Treasurer.
Alex Rice McKim, 106 East Twenty-third Street, New York, N. Y.

THE CONNECTICUT VALLEY ASSOCIATION.

Executive Committee.

Chairman.
Guy Kirkham, '87, Springfield, Mass.

Henry Souther, '87.
N. P. A. Carter, '87.

James S. Newton, '88.
Henry A. Francis, '83.

THE TECH SOCIETY OF PHILADELPHIA.

Secretary and Treasurer.
Luther K. Yoder, '95.

Executive Committee.

Amos J. Boyden, '75.
Wilfred Lewis, '75.

Augustus B. Stoughton, '86.
Samuel S. Sadtler, '95.
MEMBERS OF THE ASSOCIATION OF CLASS SECRETARIES OF THE MASSACHUSETTS INSTITUTE OF TECHNOLOGY.

Class of '68, Prof. Robert H. Richards, Representative,
Massachusetts Institute of Technology, Boston, Mass.

Class of '69, Mr. Howard J. A. Carson, Representative,
20 Beacon Street, Boston, Mass.

Class of '70, Prof. Charles R. Cross,
Massachusetts Institute of Technology, Boston, Mass.

Class of '71, Mr. Edward W. Rollins,
53 State Street, Boston, Mass.

Class of '72, Prof. C. Frank Allen,
Massachusetts Institute of Technology, Boston, Mass.

Class of '73, Mr. Henry E. Lodge,
4 Post Office Square, Boston, Mass.

Class of '74, Mr. Charles F. Read,
165 A Street, South Boston, Mass.

Class of '75, Mr. E. A. W. Hammatt,
30 Norway Park, Hyde Park, Mass.

Class of '76, Mr. John R. Freeman,
Providence, R. I.

Class of '77, Mr. Richard A. Hale,
Lawrence, Mass.

Class of '78, Mr. Linwood O. Towne,
Haverhill, Mass.
Class of '79, Mr. HARRY H. CAMPBELL,
Steelton, Pa.

Class of '80, PROF. GEORGE H. BARTON, Representative,
Massachusetts Institute of Technology, Boston, Mass.

Class of '81, MR. FRANK E. CAME,
17 Place d'Armes Hill, Montreal, P. Q.

Class of '82, MR. WALTER B. SNOW,
Watertown, Mass.

Class of '83, MR. HARVEY S. CHASE,
8 Congress Street, Boston.

Class of '84, DR. AUGUSTUS H. GILL,
Massachusetts Institute of Technology, Boston, Mass.

Class of '85, MR. ARTHUR D. LITTLE,
28 Beacon Street, Boston, Mass.

Class of '86, PROF. ARTHUR G. ROBBINS,
Massachusetts Institute of Technology, Boston, Mass.

Class of '87, MR. EDWARD G. THOMAS,
383 Federal Street, Boston, Mass.

Class of '88, MR. WILLIAM G. SNOW,
Watertown, Mass.

Class of '89, MR. JAMES W. CARTWRIGHT, JR.,
Public Works Co., Bangor, Me.

Class of '90, MR. GEORGE L. GILMORE,
Lexington, Mass.

Class of '91, MR. HENRY A. FISKE,
93 Water Street, Boston, Mass.

Class of '92, PROF. SEVERANCE BURRAGE,
Purdue University, Lafayette, Ind.

Class of '93, MR. FREDERIC H. FAY,
65 City Hall, Boston, Mass.

Class of '94, MR. ALBERT B. TENNEY,
Everett, Mass.

Class of '95, MR. ROBERT K. SHEPPARD,
15 King Street, Worcester, Mass.

Class of '96, MR. STEPHEN D. CRANE.
OFFICERS.

President.
FRANCIS A. WALKER, LL.D.*

Executive Committee.

GEORGE W. BLODGETT, Chairman.

Percival Lowell.         Desmond FitzGerald.

Secretary.
ROBERT P. BIGELOW.
OFFICERS AND MEMBERS.

President,

Wilfred Bancroft, '97.

Vice President.

George Reed Wadsworth, '98.

Secretary.


George Anthony Hutchinson, '98.

Harry Leonard Morse, '99.

Philip Benson Cooper, '00.

William Otis Sawtelle, '97.

Ernest Frank Russ, '98.


Stanley Gay Hyde Fitch, '00.

Sullivan Williams Jones, '00.
YOUNG MEN'S CHRISTIAN ASSOCIATION.

OFFICERS.

President.
George Isaac Fiske.

Vice President.
Clancy Montana Lewis.

Secretary.
Herbert Ivory Lord.

Treasurer.
William Eaton West.

MEMBERS.

LEWIS B. Abbot.
David G. Abbeel.
Lawrence Addicks.
Herbert H. Albee.
Robert P. Anderson.
William J. Angus.
George D. Atwood.
Milan V. Ayres.
Charles J. Bacon.
Fred L. Bardwell.
Robert W. Bailey.
John V. Beeckman, Jr.
Lowry D. W. Bender.
Thomas H. Bissell.
Robert S. Blair.
John S. Bleekkr.
Edwin P. Bliss.
Raymond D. Borden.
Edward M. Bragg.
Louis B. Breer.
Charles C. Briggs, Jr.
John Brown.
Frank E. Burnham.
Winthrop F. Butler.
Herbert M. Chase.
John Campbell.
Charles F. F. Campbell.
Edward S. Chapin.
Walter E. Chaffee.
Walter A. Cleaveland.
Clarence B. Cluff.
Harold S. Conant.
John E. Congdon.
Frederick H. Cooke.
Philip B. Coop.
William M. Corse.
George T. Cottle.
Samuel H. Crittenden.
Harvey M. Cushing.
Charles J. Davis.
Frank E. Dodge.
James C. Dryer.
Charles H. Eames.
William W. Eaton.

Carleton Ellis.
Lewis Emery.
Frank W. Everett.
William C. Ewing.
Dwight Farnum.
Raymond E. Farwell.
Robert M. Ferris, Jr.
Frederick C. Field.
Leonard H. Field, Jr.
Howell Fisher.
George I. Fiske.
Frank B. Fogg.
Arthur B. Foote.
Floyd J. Foster.
Arthur I. Franklin.
Charles W. Frazier.
Francis G. Frink.
Gerald Frink.
Lester D. Gardner.
Edwin W. Gehring.
Charles B. Gillson.
John N. Goddard.
Lucius W. Godfrey, Jr.
George McM. Godley.
Herbert C. Greer.
James R. Guy.
Russell Hall.
S. Minard Hall.
Edwin W. Hammond.
Edward H. Hammond.
George W. Hamblet.
Fred C. Hannah.
Harry C. Hanson.
Barton Haselton.
George F. Hatch.
George B. Haven.
Royal H. Hayward.
Benjamin P. Hazeltine.
Edward Herbert.
Bernard Herman.
Everett H. Hinckley.
Arthur T. Hopkins.
Robert M. Hopkins.
Roger F. Horsford.
Y. M. C. A. MEMBERS.

CONTINUED.

John H. House, Jr.
Herbert H. Howe.
Herman R. Hunt.
Frederick D. B. Ingalls.
Arthur L. Jennings.
Carl F. Johnson.
Daniel S. Johnson.
William A. Johnston.
Ervin Kenison.
Elwell F. Kimball.
George I. King.
Carleton S. Koch.
John H. Larrabee.
Frederick H. Lathrop.
Charles T. Leeds.
Joseph E. Lewis.
Clancy M. Lewis.
Owen L. Leonard.
G. Russell Lincoln.
Jesse T. Lippincott.
Herbert I. Lord.
Salvador Madaro.
Thomas F. J. Maguire.
Everett H. Master.
Frederic I. Merrick.
Allyne L. Merrill.
Robert J. Mervan.
Harold L. Morgan.
Albert F. Nathan.
Newitt J. Neall.
Willard B. Nelson.
Henry B. Newhall.
Clarendon Nickerson.
Charles B. Page.
James A. Patch.
Cecil H. Peabody.
Leroy D. Peavey.
Charles W. Pendell.
Herbert A. McPherson.
Edward E. Pierce.
Dwight Porter.
John L. Porter.
Nathaniel D. Rand.
William E. Reed.
Arthur A. Reimer.
Walcott Remington.
Robert H. Richards.

Chester A. Richardson.
Robert P. Roberts.
Laforest G. Robinson.
Thomas P. Robinson.
Richard C. Rossmassler.
Walter E. Russell.
William C. Saunders.
Warren W. Saunders.
Leo W. Schlegelmilch, Jr.
Albert G. A. Schmidt.
Walter Scott.
Lewen F. Searle.
Kenneth Seaver.
William T. Sedgwick.
Brackley A. Shaw.
Charles E. Sherman.
Miles S. Sherrill.
Louis W. Shumaker.
Charles J. Skinner.
Theodore W. Sleidemann.
William G. Smith.
William H. Smith.
Jacob Stone, Jr.
Henry H. Sullivan.
James Swan.
Kilburn S. Sweet.
Thomas E. Tallmadge.
William C. Tandy.
Mark E. Taylor.
Charles A. Torrey.
George R. Townsend.
Edward P. Trask.
William A. Tucker.
Atherton H. Tucker.
Frank Vogel.
Francis A. Walker, LL.D.*
Richard Wastcoat.
Erwin C. Weeks.
George V. Wendell.
John F. Wentworth.
William E. West.
William R. Whitney, Ph.D.
William H. Whitten, Jr.
Lewis W. Wickes.
S. Homer Woodbridge.
Allen H. Woodward.
John W. Woollett.

Percy R. Ziegler.
OFFICERS.

President.
Frederic Nelson LeBaron.

Vice President.
Asa Waters Grosvenor.

Secretary.
Thomas Eddy Tallmadge.

Treasurer.
Andrew Dugald Maclachlan.

Directors.

Gen. Francis A. Walker,* from the Faculty.

Thomas Clark Atwood, '97.
Roger Fuller Horsford, '97.
Frederic Nelson Le Baron, '97.
Asa Waters Grosvenor, '98.

Thomas Eddy Tallmadge, '98.
Gerald Basil Street, '99.
George Carlos Winslow, Jr., '99.
Maurice Davenport, '00.

Thomas Nesmith, Jr., '00.

The funds accruing to this Society from the sale of membership tickets are entirely devoted to scholarships for deserving students. The directors serve without any emolument whatsoever.
Commandant.
CAPT. JOHN BIGELOW, JR., TENTH CAVALRY U. S. ARMY.

Major.
FREDERIC ELMER FOYE.

Adjutant.
HARRY MARTIN THAYER.

Quartermaster.
First Lieutenant, LYMAN ARNOLD.

Sergeant Major, GERALD FRINK.

Quartermaster Sergeant, ARTHUR WILLIAM GEIGER.
Chief Musician, WILBUR WARD DAVIS.

Company A.

Captain.
GEORGE EDMOND RUSSELL.
First Lieutenant.
EDMOND FRANCIS BRIGHAM.

Second Lieutenant.
HERMAN REYNOLDS HUNT.

Company B.

Captain.
GEORGE HENRY LEACH.
First Lieutenant.
HOMER LITTLEFIELD.

Second Lieutenant.
WILLIAM STEPHEN HARTT.

Company C.

Captain.
CHARLES TILESTON LEEDS.
First Lieutenant.
ARTHUR STEARNS PECK.

Second Lieutenant.
RUTHERFORD VIPOND LUMBERT.

Company D.

Captain.
ROBERT PARKER ROBERTS.
First Lieutenant.
STANLEY GAY HYDE FITCH.

Second Lieutenant.
HERBERT AUSTIN MCPHERSON.
JUNIOR PROMENADE

Pierce Hall
April 19th, 1896

Members:
Drs. John Bigelow Jr.
Mrs. John J. Bradlee
Mrs. Francis W. Hinscher
Mrs. Francis L. Walker
Committee:
Dr. Henry Walker
Mrs. Augustus E. Lathrop
Mr. George McCarty
Mrs. Howard A. Noble
Mr. Ralph S. Whiting
Class Day

June 7, 1896, Trinity Church.

Baccalaureate Sermon by Rev. E. Winchester Donald.

CLASS DAY COMMITTEE.

First Marshal.
Benjamin Hurd.

Second Marshal.
John Arnold Rockwell, Jr.

Third Marshal.
Butler Ames.

Stephen Dow Crane.
Joseph Driscoll.
Frank Edward Guptil.
Marshall Ora Leighton.
Charles E. Locke.
John Henry Manahan.

Irving Seward Merrell.
Daniel Artemas Richardson.
Frederick William Smyser.
Albert William Thompson.
John Tilley, Jr.
Charles Eliphalet Trout.

June 8, 1896, Huntington Hall.

PROGRAMME.

Overture .................................. Orchestra.
Address by President of the Class ........ Charles Gilman Hyde.
Music .................................... Orchestra.
History ................................... Alphonsus Ligouri Drum.
Music .................................... Orchestra.
Statistics .................................. Joseph Harrington.
Music .................................... Orchestra.
Prophecy ................................... Conrad Henry Young.
Music .................................... Orchestra.
Poem ...................................... Edward Stacey Mansfield.
Music .................................... Orchestra.
Oration .................................... Henry Arthur Waterman.
Music .................................... Orchestra.
Huntington Hall, June 9, 1896.

Address

President Francis A. Walker.

Reading of Abstracts of Theses.

A Practical Investigation of Bleaching Cotton Cloth, by the Mather Kier

Daniel Moore Bates, Jr.

The Use of Small Models for the Determination of Stability

Edward Milton Bragg and Walter Swift Leland.

Osmotic Pressure Measurements and the Validity of Avogadro's Law as Applied to Solutions

George Kimball Burgess.

Geological History of Lake Cochituate

Miss Elizabeth Florette Fisher.

A Plan for Sewerage and Sewage Disposal in the Town of Needham

Charles Gilman Hyde and William Horatio McAlpine.

Methods of Encouraging Immigration to the United States

Joseph Hyde Knight.

A Study of a Spitzkasten

Charles E. Locke.

A Comparative Study of the Efficiency of the Pressed Yeasts Sold in Boston

Clarence Warner Perley.

Academic Hall and Gymnasium for Radcliffe College

Miss Esther Stone.

An Investigation of Certain Properties of Wooden Rimmed Fly Wheels

Albert William Thompson and Conrad Henry Young.

An Investigation of the Acetylene Prepared from Copper Acetylide

Charles William Tucker.

A Design for a Jackknife Drawbridge for a Double-track Railroad

Charles Austin Wentworth.

An Investigation of Certain Alternating Current Phenomena

Lambert Nutt Whitney and Walter Otis Pennell.
OFFICERS.

President.
HOWARD AGNEW NOBLE, '97.

First Vice President.
WALTER HUMPHREYS, '97.

Second Vice President.
GEORGE HERBERT McCARTHY, '97.

Secretary.
ALFRED STARR HAMILTON, '97.

Treasurer.
THURLOW WASHBURN, '97.

Executive Committee.

CHARLES WALTER BRADLEE, '97.

HERBERT IVORY LORD, '98.

EDWARD HOSMER HAMMOND, '99.

CHARLES BURTON COTTING, '00.
UNDER THE AUSPICES OF THE REPUBLICAN CLUB
OCTOBER 10, 1896
AUDIENCE OF/MAJOR GENERAL JAMES W. II. SMITH
Chief of Staff
FIRST REGIMENT:
Col. N. W. Allen
Maj. J. T. Moore
SECOND REGIMENT:
Col. C. B. Averill
Maj. J. A. W. Alls
JUNIOR BATTALION:
Maj. A. H. R. Alls
Aid: A. H. Lord
Maj. J. T. Robinson
Aid: R. D. Moore
SOPHOMORE BATTALION:
Maj. J. T. Moore
FRESHMAN BATTALION:
Maj. J. T. Moore

THE PARADE
Ye

English Plays
Walker Club Plays.

"MR. JONES, INSTRUCTOR."
A Comedy in One Act, by H. D. Hunt, '97.

The Cast of Characters.

Tom Jackson (Mr. Jones, Instructor), A Student at M. I. T., Mr. Frank E. Guptill, '96.
Jack Spofford, Tom’s chum. . . . . . Mr. Lester D. Gardner, ’98.
Miss Mary Spofford, Jack’s sister . . . . . Mr. Godfrey L. Smith, ’98.
Miss Eudora Weeks, A student of Geology . . . . . Mr. Oswald C. Herings, ’97.
Mr. Robert Spofford . . . . . . . . . . . . . Mr. Edwin C. Cramer, ’96.
Mr. Alonzo Brown, Instructor at M. I. T. . . . . . Mr. Everett M. Curtis, ’98.
Miss Alice Langham, Miss Spofford’s friend . . . . . Mr. Joseph Cushing, ’96.
Mr. Henderson Jackson, Tom’s father . . . . . . Mr. Wm. K. Fairbanks, ’97.
James . . . . . . . . . . . . . . . . . . . . . . . . . Mr. George H. Wright, ’98.

Scene: Library at Mr. Spofford’s house.

THE X-RAY MACHINE.
A Comedy in One Act.

The Cast of Characters.

Prof. C. Eddy Current, A man with an idea . . . . . Mr. Everett M. Curtis, ’98.
Mr. D. Andy Oldboy, Elderly but fascinating . . . . Mr. Frank E. Guptill, ’96.
Mr. Peter Whitehead, A little deaf . . . . . . . . . . Mr. Oswald C. Herings, ’97.
Miss Dorothy Wheeler . . . . . . . . . . . . . . . . . . Mr. Durand Mayer, ’98.
Miss Mary Ann O’Shady, A fine figure of a girl . . . . . Mr. Augustus C. Lamb, ’97.

Scene: The office of Prof. C. Eddy Current.

MANAGERS.

Mr. Harry D. Hunt, ’97, Manager in Chief.
Mr. Charles W. Bradlee, ’97, Business Manager.
Mr. George H. McCarthy, ’97, Financial Manager.
Mr. Henry K. Sears, ’96, Stage Manager.

161
LES AMOURS D'UN TECHNOLOGIEN.

Comédie en Une Acte par M. G. L. Smith.

Personnages.

M. Delaroux ........................................ M. C. T. Leeds.
Mme. Delaroux, sa femme ...................... M. F. W. Southworth.
Elise, leur fille .................................. M. O. G. Luyties.
Fred Larkin, leur neveu ......................... M. F. H. McCrudden.
Harry Richardson, son beau-fils .............. M. G. E. Lynch.
Mlle. Mary Ann O'Shaughnessy, domestique .. M. G. L. Smith.
Terence Mulvaney, cocher ..................... M. E. S. Chapin.

---

VAUDEVILLE.

Weary Willie and Dusty Denny ................. Mm. Davison et Rogers.
Danse Espagnole ................................ M. G. E. Lynch.
Character Sketch ................................ Mm. Mason et Smith.
Monologue de Coquelin ......................... M. C.-E. A. Winslow.

---

Direction de la Representation.

M. C. H. L. N. Bernard.
M. H. I. Lord. ...................................... M. E. P. Mason.
M. J. A. Collins. .................................. M. G. T. Cottle.
M. W. O. Sawtelle. ................................. M. H. C. Morris.
Toastmaster.

CLIFFORD MILTON LEONARD.

The Cane Rush ............................. STANLEY GAY HYDE FITCH.
The Competitive Drill ............................ FREDERIC ELMER FOYE.
Glittering Generality ............................ MILTON WESTON HALL.
Co-Eds. ........................................ GEORGE OTTO SCHNELLER.
The Class ....................................... PHILIP BENSON COOPER.

Young’s Hotel, March 27, 1897.
Toasts.

ARTHUR LITTLE HAMILTON.

Address
Our Late President
Music
Athletics
TECHNIQUE
Music
That Painful Necessity
Retrospect
"The Tech"
Music
Faint Heart
The Institute
Music
Our Freshman

Edward Hosmer Hammond.
Clarence Renshaw.
Benjamin Prescott Hazeltine.
Lawrence Addicks.
Harry Keith White.
Harry Leonard Morse.
Roland Williams Stebbins.
'99 Quartette.
Gerald Martin Richmond.
William Malcolm Corse.
Edwin Ruthven Sneath.
Oscar George Vogt.
Norman Paul Rood.
Alexander Rieman Holliday.
Harry George Johnson.
Louis William Shumaker.

Hotel Brunswick, March 12, 1897.
JUNIOR DINNER

*Toastmaster.*

**Herbert Ivory Lord.**

<table>
<thead>
<tr>
<th>Role</th>
<th>Performer</th>
</tr>
</thead>
<tbody>
<tr>
<td>Class of '98</td>
<td>George Reed Wadsworth</td>
</tr>
<tr>
<td>The Faculty</td>
<td>Lester Durand Gardner</td>
</tr>
<tr>
<td>&quot;The Tech&quot; Woman</td>
<td>Leon Alland</td>
</tr>
<tr>
<td>Music</td>
<td>'98 Quartette</td>
</tr>
<tr>
<td></td>
<td>Winthrop Rufus Dodge</td>
</tr>
<tr>
<td></td>
<td>Atherton Howe Tucker</td>
</tr>
<tr>
<td>George Rutherford Anthony</td>
<td>Frank Eugene Coombs</td>
</tr>
<tr>
<td>Money</td>
<td>Edward Samuel Chapin</td>
</tr>
<tr>
<td>Vacation</td>
<td>Edward Johnson, Jr.</td>
</tr>
<tr>
<td>The West</td>
<td>Thomas Eddy Tallmadge</td>
</tr>
<tr>
<td>Music</td>
<td>Banjos and Guitar</td>
</tr>
<tr>
<td></td>
<td>Francis Minot Blake</td>
</tr>
<tr>
<td></td>
<td>Robert Seeley De Golyer</td>
</tr>
<tr>
<td>Theatricals</td>
<td>Frank Bridgham Perry</td>
</tr>
<tr>
<td></td>
<td>Ernest Frank Russ</td>
</tr>
<tr>
<td></td>
<td>Asa Waters Grosvenor</td>
</tr>
<tr>
<td></td>
<td>Everett Nichols Curtis</td>
</tr>
<tr>
<td></td>
<td>John Stearns Bleecker</td>
</tr>
<tr>
<td>Duet</td>
<td>Mandolin and Guitar</td>
</tr>
<tr>
<td></td>
<td>James Ezra Hazeltine</td>
</tr>
<tr>
<td>George Reed Wadsworth</td>
<td>Harold Wellington Jones</td>
</tr>
<tr>
<td>Athletics</td>
<td>Robert Allyn</td>
</tr>
<tr>
<td>Spirits</td>
<td>Maurice de Kay Thompson, Jr.</td>
</tr>
<tr>
<td>The South</td>
<td>'98 Quartette</td>
</tr>
<tr>
<td>Music</td>
<td>Frank Forest Colcord</td>
</tr>
<tr>
<td>Labor Unions</td>
<td>Carleton Spayth Koch</td>
</tr>
<tr>
<td>New England</td>
<td>Albert Rix Shedd</td>
</tr>
<tr>
<td>Personalities</td>
<td>George Henry Wright</td>
</tr>
<tr>
<td>Poem</td>
<td>Mandolin and Guitar</td>
</tr>
<tr>
<td>Duet</td>
<td>Charles–Edward Amory Winslow</td>
</tr>
<tr>
<td>Technique</td>
<td>Howell Fisher</td>
</tr>
<tr>
<td>Technology</td>
<td></td>
</tr>
</tbody>
</table>

*Exchange Club, March 6, 1897.*

166
Toastmaster.

Henry Walter Allen.

The Class of '97 .................................................. Wilfred Bancroft.
Athletics .............................................................. Thurlow Washburn.
Fifty Years Ago ..................................................... Joseph Bancroft.
Philistinism and Science .......................................... Harry Draper Hunt.
Music ................................................................. '97 Quartette.
Snide Talks with Men ............................................ Oswald Constantin Hering.

Young's Hotel, March 6, 1897.
OFFICERS.

Chairman.
RAYMOND SMITH WILLIS.

Secretary.
HERBERT IVORY LORD.

MEMBERS.

ROBERT ALLYN.
GEORGE RUTHERFORD ANTHONY.
WILLIAM DANIELS BLACKMER.
JOHN STEARNS BLEECKER.
EDWARD SAMUEL CHAPIN.
FRANK EUGENE COOMBS.
HOWELL FISHER.
MABEL FLORA FORREST.
LESTER DURAND GARDNER.
WILLIAM MONTAGUE HALL.
GEORGE ANTHONY HUTCHINSON.
HERBERT IVORY LORD.

SUMNER MOULTON MILLIKEN.
JULIUS NOLTE.
JOSPEH CAINS RILEY, JR.
ERNEST FRANK RUSS.
WILLIAM RANDOLPH STRICKLAND.
THOMAS EDDY TALLMADGE.
FRED HENRY TWOMBLY.
GEORGE FREDERICK ULMER.
GEORGE REED WADSWORTH.
WARD WELLINGTON WARD.
RAYMOND SMITH WILLIS.
CHARLES-EDWARD AMORY WINSLOW.

WALTER GUSTAVE ZIMMERMANN.
BOARD OF EDITORS.

Editor in Chief.
CHARLES-EDWARD AMORY WINSLOW, '98.

Assistant Editor in Chief.
CLARENCE RENSHAW, '99.

Harry Draper Hunt, '97.
Morris Kinnard Trumbull, '97.
Thomas Eddy Tallmadge, '98.
Ward Wellington Ward, '98.

Harold Wellington Jones, '98.
George Reed Wadsworth, '98.
Gerald Martin Richmond, '99.

Business Manager.
WILLIAM RANDOLPH STRICKLAND, '98.

Assistant Business Manager.
EDWIN RUTHVEN SHEAK, '99.
Technique, '98.

Board of Editors.

Editor in Chief.
Raymond Smith Willis.

Associate Editors.
Charles Edward Amory Winslow.
Lester Durand Gardner.

Society Editor.
George Frederick Ulmer.

Statisticians.
William Daniels Blackmer.
George Reed Wadsworth.

Athletic Editor.
Harold Wellington Jones.

Artistic Staff.
Thomas Eddy Tallmadge, Editor.
Carrol Augustus Benninck.
Ward Wellington Ward.

Business Manager.
Herbert Ivory Lord.

Assistant Business Manager.
Walter Gustave Zimmermann.
BOARD OF PUBLICATION.

Chairman.
William T. Sedgwick.

Henry M. Howe.
A. Lawrence Rotch.  
Dwight Porter.

Editor.
Robert P. Bigelow.
COMMITTEE.

Chairman.
M ARSHALL ORA LIGHTON.

ALBERT JAMESON WELLS.
HARRY WING DYER.

CLARENCE WARNER PERLEY.
HERMANN V. VON HOLST.
EDITORIAL ON GENERAL ATHLETICS.

TECHNOLOGY'S athletic history is brief, but by no means one to be ashamed of. During the past fifteen years our athletes have striven to bring glory to their college in various lines and with varying success. It might be expected that at an institution like our own, where so much time has to be given to class work, very little could be accomplished in the way of athletics; but such has not been the case, and we look back with no little pride upon our records. Though we cannot always develop a winning team, yet we can always aim for the high standard which has been maintained in years past.

Track athletics is, perhaps, the branch in which we have won the most honors in recent years; and while our record of last spring is not one in which we take pride, yet our prospects for the present year are bright. Last year our Relay Team was very successful, defeating three colleges of a high athletic standard, at Philadelphia.

In baseball we have no 'Varsity nine, but a great deal of interest is taken in the development of teams from the two lower classes. These class baseball teams compare very favorably with strong nines from many good preparatory schools in the vicinity of Boston.

The Tennis Association, formed in 1895, is in a flourishing condition, two tournaments having been held since then.

In the following pages devoted to athletics, the object has been to place, in as compact a form as possible, the athletic events which have taken place at Technology during the past year, as well as many items of general interest. In preceding TECHNIQUES it has often been the custom to include much which has to do with athletics entirely outside of Technology. While comparisons may in some cases be interesting, yet such a mass of statistics is often the reverse, and it has been thought best, therefore, to omit them, especially as the difficulty of obtaining accuracy is very great.
OFFICERS.

President.
Asa Waters Grosvenor, '98.

Vice President.
Harry Leonard Morse, '99.

Secretary.
Durand Mayer, '98.

Treasurer.
Van Rensselaer Lansing, '98.

Executive Committee.

Asa Waters Grosvenor, Captain of Technology Track Team.

Charles Bowles Stebbins, Captain of '97 Track Team.

Harold Wellington Jones, Captain of '98 Track Team.

William Eaton West, Captain of '99 Track Team.

Russell Parker Priest, Captain of 1900 Track Team.

177
OFFICERS.

Captain.
Henry Cummings, Jr., '96.

Manager.
Thurlow Washburn, '97.

TRACK TEAM.

Benjamin Hurd, '96.
Owen Herrick Gray, '97.
Stanley Agar Hooker, '97.
Achilles Henry Pugh, '97.
Charles Bowles Stebbins, '97.
William Laramy Butcher, '98.

Asa Waters Grosvenor, '98.
Harold Wellington Jones, '98.
Durand Mayer, '98.
Julius Nolte, '98.
Ralph Rollins Rumery, '98.
Horace Porter Farnham, '99.
Fred Lewis Holt Kimball, '99.

TECHNOLOGY
RELAY TEAM

Gray-Hooker
Stebbins

West-Dugie
Cummings
M. I. T. vs. Amherst, Worcester Polytechnic Institute, and Union, Franklin Field, Philadelphia, April 25, 1896.

Won by M. I. T. Time, 3 min. 37½ sec.
The men ran in the following order: Gray, Pugh, Cummings, Stebbins.

By winning this race, M. I. T. was eligible to compete with five other winning teams for the championship of the United States. The time of 3 minutes 37½ seconds was bettered by only two teams, Harvard and Lafayette. The team enjoyed the hospitality of the Mask and Wig Society during its stay in Philadelphia.


Won by M. I. T.* Time, 3 min. 29½ sec.
The men ran in the following order: Gray, Pugh, Cummings, Stebbins.

M. I. T. vs. Brown, Mechanics Hall, Boston, February 6, 1897.

Won by Brown. Time, 3 min. 19½ sec.
The men ran in the following order: Grosvenor, Lathrop, Gray, Stebbins.

M. I. T. vs. Boston College, Mechanics Hall, Boston, March 12, 1897.

Won by M. I. T. Time, 3 min. 19½ sec.
The men ran in the following order: Grosvenor, Priest, Lathrop, Stebbins.

*Yale ran, also, and finished first, but the race was a match race between M. I. T. and Brown.
New England
Intercollegiate Athletic Association.

Members.
Amherst College.
Bowdoin College.
Brown University.
Dartmouth College.
Institute of Technology.
Trinity College.
Tufts College.
Wesleyan University.
Williams College.
Worcester Polytechnic Institute.

Officers.
President, J. N. Pringle, Dartmouth.
Vice President, I. G. Hicks, Brown.
Secretary, I. R. Kent, Tufts.
Treasurer, H. W. Jones, M. I. T.

Executive Committee.
C. A. Booth, W. P. I.
T. L. Pierce, Bowdoin.
J. H. LeCours, Trinity.

Tenth Annual Meeting of the New England
Intercollegiate Athletic Association.

<table>
<thead>
<tr>
<th>Event</th>
<th>Winners</th>
<th>Time, Height, or Distance</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>H. H. Sears, Dartmouth</td>
<td></td>
</tr>
<tr>
<td></td>
<td>H. H. Christopher, Dartmouth</td>
<td></td>
</tr>
<tr>
<td></td>
<td>R. T. Elliott, Amherst</td>
<td></td>
</tr>
<tr>
<td></td>
<td>C. F. Kendall, Bowdoin</td>
<td></td>
</tr>
<tr>
<td></td>
<td>R. T. Elliott, Amherst</td>
<td></td>
</tr>
<tr>
<td></td>
<td>W. H. Hall, Dartmouth</td>
<td></td>
</tr>
<tr>
<td>880-Yard Run</td>
<td>C. E. Bolser, Dartmouth</td>
<td>2 min. 3 sec.</td>
</tr>
<tr>
<td></td>
<td>H. P. Kendall, Amherst</td>
<td></td>
</tr>
<tr>
<td></td>
<td>A. W. Boston, Dartmouth</td>
<td></td>
</tr>
<tr>
<td>One-Mile Run</td>
<td>J. N. Pringle, Dartmouth</td>
<td>4 min. 42 4-5 sec.</td>
</tr>
<tr>
<td></td>
<td>F. A. Tower, Wesleyan</td>
<td></td>
</tr>
<tr>
<td></td>
<td>S. B. Furby, Amherst</td>
<td></td>
</tr>
<tr>
<td>Two-Mile Run</td>
<td>F. A. Tower, Wesleyan</td>
<td>10 min. 27 4-5 sec.</td>
</tr>
<tr>
<td></td>
<td>O. N. Bean, Brown</td>
<td></td>
</tr>
<tr>
<td></td>
<td>J. D. Sinkinson, Bowdoin</td>
<td></td>
</tr>
<tr>
<td>One-Mile Walk</td>
<td>H. F. Houghton, Amherst</td>
<td>7 min. 16 4-5 sec.</td>
</tr>
<tr>
<td></td>
<td>E. E. Tyzzer, Brown</td>
<td></td>
</tr>
<tr>
<td></td>
<td>W. J. Bartlett, Brown</td>
<td></td>
</tr>
<tr>
<td>Two-Mile Bicycle</td>
<td>G. L. Gary, Dartmouth</td>
<td>6 min. 28 1-5 sec.</td>
</tr>
<tr>
<td></td>
<td>C. W. Donahue, Tufts</td>
<td></td>
</tr>
<tr>
<td></td>
<td>H. P. Farnham, M. I. T.</td>
<td></td>
</tr>
</tbody>
</table>
120-Yard Hurdle.........S. CHASE, Dartmouth........16 1-5 sec.
J. H. HORNE, Bowdoin.
A. MOSSMAN, Amherst.

220 Yard Hurdle.........S. CHASE, Dartmouth........26 1-5 sec.
J. H. HORNE, Bowdoin.
A. MOSSMAN, Amherst.

Running Broad Jump......S. CHASE, Dartmouth.........20 ft. 5 1-2 in.
J. H. HORNE, Bowdoin....20 ft. 1-2 in.
T. W. CHASE, Dartmouth...19 ft. 5 1-2 in.

Running High Jump......I. K. BAXTER, Trinity...........*5 ft. 9 3-4 in.
E. G. LITTELL, Trinity...5 ft. 8 in.
M. H. TYLER, Amherst.....5 ft. 6 in.

Pole Vault..............W. A. WYATT, Wesleyan........10 ft. 8 3-4 in.
R. P. WILDER, Dartmouth...10 ft. 6 in.
E. L. MORGAN, Amherst....†10 ft. 3 in.
H. E. SCOTT, W. P. I.....

Putting Shot (16 lbs.)...E. R. GODFREY, Bowdoin......*38 ft. 6 1-2 in.
F. E. SMITH, Brown.......38 ft. 1 1-2 in.
M. H. TYLER, Amherst.....35 ft. 8 in.

Throwing Hammer (16 lbs.)F. E. SMITH, Brown.........133 ft. 8 in.
J. P. COOMBS, Brown......108 ft. 2 in.
R. E. HEALEY, Tufts.......103 ft.

* New Record.
† Morgan and Scott tied. The point is divided.

SUMMARY OF POINTS.

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>100-Yard Dash</td>
<td>4</td>
<td>5</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>220-Yard Dash</td>
<td>0</td>
<td>5</td>
<td>3</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>440-Yard Dash</td>
<td>1</td>
<td>0</td>
<td>3</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>880-Yard Run</td>
<td>6</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>One-Mile Run</td>
<td>5</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Two-Mile Run</td>
<td>3</td>
<td>0</td>
<td>0</td>
<td>1</td>
<td>5</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Two-Mile Walk</td>
<td>0</td>
<td>4</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Two-Mile Bicycle</td>
<td>5</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>1</td>
<td>3</td>
<td>0</td>
</tr>
<tr>
<td>120-Yard Hurdle</td>
<td>5</td>
<td>0</td>
<td>1</td>
<td>3</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>220-Yard Hurdle</td>
<td>5</td>
<td>0</td>
<td>1</td>
<td>3</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Broad Jump</td>
<td>6</td>
<td>0</td>
<td>0</td>
<td>3</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>High Jump</td>
<td>3</td>
<td>0</td>
<td>1</td>
<td>0</td>
<td>5</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Pole Vault</td>
<td>0</td>
<td>3</td>
<td>1</td>
<td>5</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>16-lb. Shot</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>1</td>
<td>0</td>
</tr>
<tr>
<td>16-lb. Hammer</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>1</td>
<td>0</td>
</tr>
</tbody>
</table>

Totals, 40 28 19½ 16 13 8 6 4 ½

WINNERS OF THE CHAMPIONSHIP.

1887. Dartmouth.
1888. Amherst.
1889. Dartmouth.
1890. Amherst.
1891. Amherst.
1892. Amherst.
1893. Dartmouth.
1894. M. I. T.
1895. Dartmouth.
1896. Dartmouth.

183
Captain.
JULIUS NOLTE.

OFFICERS.

Manager.
FRED HENRY TWOMBLY.

TEAM.

ROBERT ALYN.
HOWARD LAWRENCE BODWELL.
WILLIAM LARAMY BUTCHER.
EDWARD SAMUEL CHAPIN.
ASA WATERS GROSVENOR.
RALPH HARRIS.

WINFRED DEAN HUBBARD.
JOHN HENRY HOUSE.
HAROLD WELLINGTON JONES.
DURAND MAYER.
RALPH ROLLINS RUMERY.
ERNEST FRANK RUSE.
# Annual Spring Meeting

Irvington Oval, May 27, 1896

<table>
<thead>
<tr>
<th>Event</th>
<th>Winners</th>
<th>Time, Height, or Distance</th>
</tr>
</thead>
<tbody>
<tr>
<td>100-Yard Dash</td>
<td>A. W. Grosvenor, '98</td>
<td>10 2-5 sec.</td>
</tr>
<tr>
<td></td>
<td>O. H. Gray, '97</td>
<td></td>
</tr>
<tr>
<td></td>
<td>A. H. Pugh, '97</td>
<td></td>
</tr>
<tr>
<td></td>
<td>A. H. Pugh, '97</td>
<td></td>
</tr>
<tr>
<td></td>
<td>O. H. Gray, '97</td>
<td></td>
</tr>
<tr>
<td></td>
<td>A. H. Pugh, '97</td>
<td></td>
</tr>
<tr>
<td></td>
<td>W. E. West, '99</td>
<td></td>
</tr>
<tr>
<td>880-Yard Run</td>
<td>C. B. Stebbins, '97</td>
<td>2 min. 9 2-5 sec.</td>
</tr>
<tr>
<td></td>
<td>F. H. Lathrop, '99</td>
<td></td>
</tr>
<tr>
<td></td>
<td>H. P. Farnham, '99</td>
<td></td>
</tr>
<tr>
<td>One-Mile Run</td>
<td>S. A. Hooker, '97</td>
<td>5 min. 2 sec.</td>
</tr>
<tr>
<td></td>
<td>H. A. B. Campbell, '99</td>
<td></td>
</tr>
<tr>
<td></td>
<td>R. R. Rumery, '98</td>
<td></td>
</tr>
<tr>
<td>Two-Mile Run</td>
<td>E. P. Osgood, '97</td>
<td>11 min. 36 1-5 sec.</td>
</tr>
<tr>
<td></td>
<td>R. R. Rumery, '98</td>
<td></td>
</tr>
<tr>
<td></td>
<td>W. E. Reed, '97</td>
<td></td>
</tr>
<tr>
<td>One-Mile Walk</td>
<td>Durand Mayer, '98</td>
<td>*8 min. 2 sec.</td>
</tr>
<tr>
<td></td>
<td>Robert Allyn, '98</td>
<td></td>
</tr>
<tr>
<td></td>
<td>J. H. House, '98</td>
<td></td>
</tr>
<tr>
<td>120-Yard Hurdle</td>
<td>R. A. Ferguson, '99</td>
<td>17 3-5 sec.</td>
</tr>
<tr>
<td></td>
<td>R. R. Rumery, '98</td>
<td></td>
</tr>
<tr>
<td></td>
<td>T. Washburn, '97</td>
<td></td>
</tr>
<tr>
<td>Running Broad Jump</td>
<td>W. L. Butcher, '98</td>
<td>19 ft. 4 in.</td>
</tr>
<tr>
<td></td>
<td>R. Harris, '98</td>
<td></td>
</tr>
<tr>
<td></td>
<td>J. Nolte, '98</td>
<td></td>
</tr>
<tr>
<td>Running High Jump</td>
<td>W. L. Butcher, '98</td>
<td>5 ft. 4 in.</td>
</tr>
<tr>
<td></td>
<td>R. A. Ferguson, '99</td>
<td></td>
</tr>
<tr>
<td></td>
<td>R. Harris, '98</td>
<td></td>
</tr>
<tr>
<td>Pole Vault</td>
<td>W. L. Butcher, '98</td>
<td>9 ft. 4 1-2 in.</td>
</tr>
<tr>
<td></td>
<td>F. L. H. Kimball, '99</td>
<td></td>
</tr>
<tr>
<td></td>
<td>E. S. Chapin, '98</td>
<td></td>
</tr>
<tr>
<td>Putting Shot (16-lbs.)</td>
<td>H. W. Jones, '98</td>
<td>35 ft. 1 in.</td>
</tr>
<tr>
<td></td>
<td>F. L. H. Kimball, '99</td>
<td></td>
</tr>
<tr>
<td></td>
<td>A. C. Lootz, '96</td>
<td></td>
</tr>
<tr>
<td>Throwing Hammer (16 lbs.)</td>
<td>H. W. Jones, '98</td>
<td>82 ft. 11 in.</td>
</tr>
<tr>
<td></td>
<td>A. C. Lootz, '96</td>
<td></td>
</tr>
<tr>
<td></td>
<td>F. C. Field, '96</td>
<td></td>
</tr>
</tbody>
</table>

* New Record.
## Handicap Games.

Irvinton Oval, October 24, 1896.

<table>
<thead>
<tr>
<th>EVENT</th>
<th>WINNERS</th>
<th>HANDICAP</th>
<th>TIME, HEIGHT, OR DISTANCE</th>
</tr>
</thead>
<tbody>
<tr>
<td>100-Yard Dash</td>
<td>O. H. Gray, '97, 44 yards</td>
<td></td>
<td>10 2-5 sec.</td>
</tr>
<tr>
<td></td>
<td>G. P. Burch, '99, 44 yards</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>A. H. Pugh, '97, 4 yards</td>
<td></td>
<td></td>
</tr>
<tr>
<td>220-Yard Dash</td>
<td>M. W. Hall, '00, 15 yards</td>
<td></td>
<td>24 sec.</td>
</tr>
<tr>
<td></td>
<td>O. H. Gray, '97, 10 yards</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>A. H. Pugh, '97, 8 yards</td>
<td></td>
<td></td>
</tr>
<tr>
<td>440-Yard Dash</td>
<td>W. D. Hubbard, '98, 12 yards</td>
<td></td>
<td>55 3-5 sec.</td>
</tr>
<tr>
<td></td>
<td>A. W. Grosvenor, '98, scratch</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>H. L. Morse, '99, 12 yards</td>
<td></td>
<td></td>
</tr>
<tr>
<td>880-Yard Run</td>
<td>H. L. Morse, '99, 25 yards</td>
<td></td>
<td>2 min. 6 4-5 sec.</td>
</tr>
<tr>
<td></td>
<td>C. B. Stebbins, '97, scratch</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>C. S. High, '98, 35 yards</td>
<td></td>
<td></td>
</tr>
<tr>
<td>One-Mile Run</td>
<td>H. L. Bodwell, '98, 35 yards</td>
<td></td>
<td>5 min. 6 3-5 sec.</td>
</tr>
<tr>
<td></td>
<td>H. A. B. Campbell, '99, 40 yards</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>S. A. Hooker, '97, scratch</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Two-Mile Run</td>
<td>R. Suter, '00, 200 yards</td>
<td></td>
<td>11 min. 31 sec.</td>
</tr>
<tr>
<td></td>
<td>E. P. Osgood, '97, scratch</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>R. R. Rumery, '98, scratch</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mile Walk</td>
<td>D. Allyn, '98, scratch</td>
<td></td>
<td>8 min. 25 2-5 sec.</td>
</tr>
<tr>
<td></td>
<td>R. Allyn, '98, 20 seconds</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>J. H. House, '98, 40 seconds</td>
<td></td>
<td></td>
</tr>
<tr>
<td>120-Yard Hurdle Race</td>
<td>R. R. Rumery, '98, scratch</td>
<td></td>
<td>18 4-5 sec.</td>
</tr>
<tr>
<td></td>
<td>J. F. Wentworth, '00, scratch</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Running Broad Jump</td>
<td>A. W. Grosvenor, '98, scratch</td>
<td></td>
<td>*22 ft. 1 1/2 in.</td>
</tr>
<tr>
<td></td>
<td>J. H. House, '98, 2 feet</td>
<td></td>
<td>21 ft. 3 1/2 in.</td>
</tr>
<tr>
<td></td>
<td>W. L. Butcher, '98, 8 inches</td>
<td></td>
<td>20 ft. 8 in.</td>
</tr>
<tr>
<td>Running High Jump</td>
<td>W. L. Butcher, '98, 2 inches</td>
<td></td>
<td>5 ft. 6 in.</td>
</tr>
<tr>
<td></td>
<td>R. A. Ferguson, '99, scratch</td>
<td></td>
<td>5 ft. 4 in.</td>
</tr>
<tr>
<td></td>
<td>A. W. Grosvenor, '98, 2 inches</td>
<td></td>
<td>5 ft. 1 3/4 in.</td>
</tr>
<tr>
<td>Putting Shot (16 lbs.)</td>
<td>H. W. Jones, '98, scratch</td>
<td></td>
<td>36 ft.</td>
</tr>
<tr>
<td></td>
<td>F. L. H. Kimball, '99, 2 feet</td>
<td></td>
<td>35 ft. 8 1/2 in.</td>
</tr>
<tr>
<td></td>
<td>D. Buyer, '98, 4 feet</td>
<td></td>
<td>33 ft. 8 1/2 in.</td>
</tr>
<tr>
<td>Throwing Discus</td>
<td>H. W. Jones, '98, scratch</td>
<td></td>
<td>*93 ft. 8 in.</td>
</tr>
<tr>
<td></td>
<td>F. C. Field, '97</td>
<td></td>
<td>75 ft. 2 in.</td>
</tr>
<tr>
<td></td>
<td>R. A. Ferguson, '99</td>
<td></td>
<td>74 ft. 2 in.</td>
</tr>
</tbody>
</table>

**Class Team Race**

'99, Dryer, Sawyer, Burch, West.
'97, Field, Gray, Pugh, Stebbins.
'98, Mayer, Nolte, House, Grosvenor.
'00, Hall, Emery, Wentworth, Priest.

*Technology Record.
FIFTH ANNUAL CROSS-COUNTRY RUN.

November 9, 1896.

FIRST.
E. P. Osgood, '97.

SECOND.
H. B. Mayhew, '00.

Time, *28 minutes, 56½ seconds.

*New Record.
**Annual Indoor Winter Meeting.**

*Technology Gymnasium, December 12, 1896.*

<table>
<thead>
<tr>
<th>Event</th>
<th>Winners</th>
<th>Time, Height, or Distance</th>
</tr>
</thead>
<tbody>
<tr>
<td>35-Yard Dash</td>
<td>A. W. Grosvenor, '98</td>
<td>4 1-5 sec.</td>
</tr>
<tr>
<td></td>
<td>O. H. Gray, '97</td>
<td></td>
</tr>
<tr>
<td></td>
<td>G. P. Burch, '99</td>
<td></td>
</tr>
<tr>
<td>33-Yard Hurdle</td>
<td>A. W. Grosvenor, '98</td>
<td>5 sec.</td>
</tr>
<tr>
<td></td>
<td>G. P. Burch, '99</td>
<td></td>
</tr>
<tr>
<td></td>
<td>G. I. Copp, '99</td>
<td></td>
</tr>
<tr>
<td>Potato Race</td>
<td>W. E. Putnam, '98</td>
<td>36 3-5 sec.</td>
</tr>
<tr>
<td></td>
<td>A. H. Pugh, '97</td>
<td></td>
</tr>
<tr>
<td></td>
<td>D. Mayer, '98</td>
<td></td>
</tr>
<tr>
<td>Broad Jump</td>
<td>E. F. Russ, '98</td>
<td>9 ft. 8 3-4 in.</td>
</tr>
<tr>
<td></td>
<td>A. W. Grosvenor, '98</td>
<td>9 ft. 8 1-2 in.</td>
</tr>
<tr>
<td></td>
<td>C. S. High, '98</td>
<td>9 ft. 5 in.</td>
</tr>
<tr>
<td>High Jump</td>
<td>W. E. Putnam, '98</td>
<td>5 ft. 7 1-4 in.</td>
</tr>
<tr>
<td></td>
<td>W. L. Butcher, '98</td>
<td>5 ft. 4 1-4 in.</td>
</tr>
<tr>
<td></td>
<td>G. P. Burch, '99</td>
<td>5 ft. 3 1-4 in.</td>
</tr>
<tr>
<td>Pole Vault</td>
<td>W. E. Putnam, '98</td>
<td>9 ft. 3 1-2 in.</td>
</tr>
<tr>
<td></td>
<td>W. L. Butcher, '98, { tied for second }</td>
<td>9 ft. 1 1-2 in.</td>
</tr>
<tr>
<td></td>
<td>J. Nolte, '98</td>
<td></td>
</tr>
<tr>
<td>Putting Shot (16 lbs.)</td>
<td>H. W. Jones, '98</td>
<td>*36 ft. 9 in.</td>
</tr>
<tr>
<td></td>
<td>C. S. High, '98</td>
<td>32 ft. 10 in.</td>
</tr>
<tr>
<td></td>
<td>H. L. Bodwell, '98</td>
<td>32 ft. 6 in.</td>
</tr>
</tbody>
</table>

*New Record.*
SUMMARY OF POINTS FOR THE CLASS CHAMPIONSHIP
FOR THE YEAR 1895-96.

Championship won by the Class of '98, with 85 points. First place counts 5, second 3, and third 1.

<table>
<thead>
<tr>
<th>Class</th>
<th>Firsts</th>
<th>Seconds</th>
<th>Thirds</th>
<th>Totals</th>
</tr>
</thead>
<tbody>
<tr>
<td>Class of '98</td>
<td>11</td>
<td>7</td>
<td>9</td>
<td>85</td>
</tr>
<tr>
<td>Class of '97</td>
<td>6</td>
<td>5</td>
<td>6</td>
<td>51</td>
</tr>
<tr>
<td>Class of '96</td>
<td>4</td>
<td>4</td>
<td>2</td>
<td>34</td>
</tr>
<tr>
<td>Class of '99</td>
<td>1</td>
<td>6</td>
<td>4</td>
<td>27</td>
</tr>
</tbody>
</table>

Outdoor Events.

<table>
<thead>
<tr>
<th>Event</th>
<th>'98</th>
<th>'97</th>
<th>'99</th>
<th>'96</th>
<th>'98</th>
<th>'97</th>
<th>'99</th>
<th>'96</th>
</tr>
</thead>
<tbody>
<tr>
<td>100-Yard Dash</td>
<td>5</td>
<td>4</td>
<td>0</td>
<td>0</td>
<td>9</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>220-Yard Dash</td>
<td>5</td>
<td>4</td>
<td>0</td>
<td>0</td>
<td>6</td>
<td>0</td>
<td>3</td>
<td>0</td>
</tr>
<tr>
<td>440-Yard Dash</td>
<td>0</td>
<td>8</td>
<td>1</td>
<td>0</td>
<td>6</td>
<td>0</td>
<td>3</td>
<td>0</td>
</tr>
<tr>
<td>880-Yard Dash</td>
<td>0</td>
<td>5</td>
<td>4</td>
<td>0</td>
<td>5</td>
<td>0</td>
<td>3</td>
<td>1</td>
</tr>
<tr>
<td>One-Mile Run</td>
<td>1</td>
<td>5</td>
<td>3</td>
<td>0</td>
<td>5</td>
<td>0</td>
<td>0</td>
<td>4</td>
</tr>
<tr>
<td>Two-Mile Run</td>
<td>3</td>
<td>6</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>4</td>
<td>0</td>
<td>5</td>
</tr>
<tr>
<td>One-Mile Walk</td>
<td>9</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>57</td>
<td>37</td>
<td>22</td>
<td>10</td>
</tr>
</tbody>
</table>

Indoor Events.

<table>
<thead>
<tr>
<th>Event</th>
<th>'98</th>
<th>'97</th>
<th>'99</th>
<th>'99</th>
<th>'98</th>
<th>'96</th>
<th>'97</th>
<th>'99</th>
</tr>
</thead>
<tbody>
<tr>
<td>35-Yard Dash</td>
<td>6</td>
<td>0</td>
<td>3</td>
<td>0</td>
<td>3</td>
<td>5</td>
<td>0</td>
<td>1</td>
</tr>
<tr>
<td>35-Yard Hurdle</td>
<td>3</td>
<td>0</td>
<td>6</td>
<td>0</td>
<td>1</td>
<td>5</td>
<td>0</td>
<td>3</td>
</tr>
<tr>
<td>Potato Race</td>
<td>4</td>
<td>0</td>
<td>5</td>
<td>0</td>
<td>5</td>
<td>3</td>
<td>0</td>
<td>1</td>
</tr>
<tr>
<td>Rope Climb</td>
<td>6</td>
<td>3</td>
<td>0</td>
<td>0</td>
<td>28</td>
<td>24</td>
<td>14</td>
<td>5</td>
</tr>
<tr>
<td>Fence Vault</td>
<td>0</td>
<td>8</td>
<td>0</td>
<td>0</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Summary of Points for the Individual Excellence Cup.

Cup won by Asa Waters Grosvenor, with 23 points.

A. W. Grosvenor, '98, 23.
W. L. Butcher, '98, 19.
A. H. Green, '96, 18.
H. W. Jones, '98, 15.
R. A. Ferguson, '99, 12.
O. H. Gray, '97, 7.
A. H. Pugh, '97, 7.
E. P. Osgood, '97, 6.
H. L. Bodwell, '98, 5.
S. A. Hooker, '97, 5.
D. Mayer, '98, 5.

R. Harris, '98, 4.
R. Allyn, '98, 3.
S. F. Wise, '97, 3.
E. S. Chapin, '98, 1.
H. P. Farnham, '99, 1.
F. C. Field, '96, 1.
J. H. House, '98, 1.
W. D. Hubbard, '98, 1.
J. Nolte, '98, 1.
W. E. Reed, '97, 1.
E. A. Sumner, '97, 1.
T. Washburn, '97, 1.
W. E. West, '99, 1.
Seventeenth Annual Scratch Games of the
M. I. T. Athletic Club.


<table>
<thead>
<tr>
<th>EVENT</th>
<th>WINNERS</th>
<th>TIME, HEIGHT, OR DISTANCE</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>W. E. West, M. I. T.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>J. T. Roche, H. A. A.</td>
<td></td>
</tr>
<tr>
<td>40-Yard High Hurdle</td>
<td>T. P. Curtis, B. A. A.</td>
<td>5 4-5 sec.</td>
</tr>
<tr>
<td></td>
<td>F. W. Lord, B. A. A.</td>
<td></td>
</tr>
<tr>
<td>Running High Jump</td>
<td>W. E. Putnam, H. A. A. and N. A. A</td>
<td>5 ft. 10 1-4 in.</td>
</tr>
<tr>
<td></td>
<td>E. H. Clark, H. A. A. and B. A. A</td>
<td></td>
</tr>
<tr>
<td>Pole Vault</td>
<td>W. W. Hoyt, H. A. A. and B. A. A</td>
<td>10 ft. 4 1-2 in.</td>
</tr>
<tr>
<td></td>
<td>E. Atherton, B. A. A.</td>
<td></td>
</tr>
<tr>
<td>Putting Shot (10 lbs.)</td>
<td>A. Lovering, H. A. A.</td>
<td>37 ft. 5 1-4 in.</td>
</tr>
<tr>
<td></td>
<td>K. K. Kubli, H. A. A.</td>
<td></td>
</tr>
<tr>
<td>Potato Race</td>
<td>C. B. Stebbins, M. I. T.</td>
<td>34 2-5 sec.</td>
</tr>
<tr>
<td></td>
<td>E. L. Pope, B. A. A.</td>
<td></td>
</tr>
</tbody>
</table>

*World's Record made by Grosvenor.
# Technology Records

## Standard Events

<table>
<thead>
<tr>
<th>Event</th>
<th>Holder</th>
<th>Record</th>
</tr>
</thead>
<tbody>
<tr>
<td>100-Yard Dash</td>
<td>R. W. Carr, '95</td>
<td>10 2-5 sec.</td>
</tr>
<tr>
<td></td>
<td>A. W. Grosvenor, '98</td>
<td></td>
</tr>
<tr>
<td>880-Yard Run</td>
<td>T. Spencer, '91</td>
<td>2 min. 6 2-5 sec.</td>
</tr>
<tr>
<td>One-Mile Run</td>
<td>G. Clapp, ’93</td>
<td>4 min. 37 4-5 sec.</td>
</tr>
<tr>
<td>Two-Mile Run</td>
<td>S. F. Wise, '97</td>
<td>11 min. 25 4-5 sec.</td>
</tr>
<tr>
<td>One-Mile Walk</td>
<td>D. Mayer, ’98</td>
<td>8 min. 2 sec.</td>
</tr>
<tr>
<td>120-Yard Hurdle</td>
<td>B. Hurd, ’96</td>
<td>16 3-5 sec.</td>
</tr>
<tr>
<td>220-Yard Hurdle</td>
<td>B. Hurd, ’96</td>
<td>26 1-5 sec.</td>
</tr>
<tr>
<td>Two-Mile Bicycle</td>
<td>W. C. Marmont, '95</td>
<td>5 min. 26 4-5 sec.</td>
</tr>
<tr>
<td>Running Broad Jump</td>
<td>A. W. Grosvenor, '98</td>
<td>22 ft. 1 1-2 in.</td>
</tr>
<tr>
<td>Running High Jump</td>
<td>C. D. Heywood, ’93</td>
<td>6 ft. 1-2 in.</td>
</tr>
<tr>
<td>Pole Vault</td>
<td>J. Crane, Jr., ’92</td>
<td>10 ft. 7 in.</td>
</tr>
<tr>
<td>Putting Shot (16 lbs.)</td>
<td>H. W. Jones, ’98</td>
<td>36 ft. 9 in.</td>
</tr>
<tr>
<td>Throwing Hammer (16 lbs.)</td>
<td>C. H. Parker, ’95</td>
<td>96 ft. 4 in.</td>
</tr>
</tbody>
</table>

## Special Events

<table>
<thead>
<tr>
<th>Event</th>
<th>Holder</th>
<th>Record</th>
</tr>
</thead>
<tbody>
<tr>
<td>35-Yard Low Hurdle</td>
<td>B. Hurd, Jr., ’96</td>
<td>4 4-5 sec.</td>
</tr>
<tr>
<td>Potato Race</td>
<td>J. A. Rockwell, Jr., ’96</td>
<td>50 1-5 sec.</td>
</tr>
<tr>
<td>Cross Country Run</td>
<td>E. P. Osgood, ’97</td>
<td>28 min. 56 3-5 sec.</td>
</tr>
<tr>
<td>Class Team Race</td>
<td>Class of ’94</td>
<td>3 min. 18 sec.</td>
</tr>
<tr>
<td>Standing Broad Jump</td>
<td>L. Burnett, ‘96</td>
<td>10 ft. 1 1-2 in.</td>
</tr>
<tr>
<td>Three Standing Broad Jumps</td>
<td>E. A. Boeseke, ’95</td>
<td>32 ft. 8 1-8 in.</td>
</tr>
<tr>
<td>Standing High Jump</td>
<td>F. R. Young, ’86</td>
<td>4 ft. 10 in.</td>
</tr>
<tr>
<td>Fence Vault</td>
<td>A. H. Green, ’96</td>
<td>7 ft. 2 1-4 in.</td>
</tr>
<tr>
<td>Running High Kick</td>
<td>C. D. Heywood, ’93</td>
<td>9 ft. 3 1-2 in.</td>
</tr>
<tr>
<td>Throwing Discus</td>
<td>H. W. Jones, ’98</td>
<td>93 ft. 8 in.</td>
</tr>
</tbody>
</table>

* World’s Record.
Records of the New England
Intercollegiate Athletic Association.

<table>
<thead>
<tr>
<th>Event</th>
<th>Record</th>
<th>Holder</th>
<th>College and Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>100-Yard Dash</td>
<td>10 1-5 sec.</td>
<td>H. S. Patterson</td>
<td>Williams, 1895.</td>
</tr>
<tr>
<td>220-Yard Dash</td>
<td>22 3-5 sec.</td>
<td>H. C. Ide</td>
<td>Dartmouth, 1892.</td>
</tr>
<tr>
<td>440-Yard Dash</td>
<td>50 1-5 sec.</td>
<td>G. B. Shattuck</td>
<td>Amherst, 1891.</td>
</tr>
<tr>
<td>One-Mile Run</td>
<td>4 min. 32 1-5 sec.</td>
<td>G. O. Jarvis</td>
<td>Wesleyan, 1893.</td>
</tr>
<tr>
<td>Two-Mile Run</td>
<td>10 min. 8 2-5 sec.</td>
<td>G. O. Jarvis</td>
<td>Wesleyan, 1893.</td>
</tr>
<tr>
<td>One-Mile Walk</td>
<td>7 min. 15 3-5 sec.</td>
<td>H. F. Houghton</td>
<td>Amherst, 1894.</td>
</tr>
<tr>
<td>Two-Mile Bicycle</td>
<td>5 min. 27 4-5 sec.</td>
<td>W. C. Marmon</td>
<td>M. I. T., 1894.</td>
</tr>
<tr>
<td>120-Yard Hurdle</td>
<td>15 3-5 sec.</td>
<td>S. Chase</td>
<td>Dartmouth, 1895.</td>
</tr>
<tr>
<td>220-Yard Hurdle</td>
<td>26 sec.</td>
<td>H. C. Ide</td>
<td>Dartmouth, 1892.</td>
</tr>
<tr>
<td>Running Broad Jump</td>
<td>22 ft. 3 in.</td>
<td>S. Chase</td>
<td>Dartmouth, 1895.</td>
</tr>
<tr>
<td>Running High Jump</td>
<td>5 ft. 9 3-4 in.</td>
<td>I. K. Baxter</td>
<td>Trinity, 1896.</td>
</tr>
<tr>
<td>Pole Vault</td>
<td>10 ft. 9 in.</td>
<td>H. L. Towne</td>
<td>Williams, 1892.</td>
</tr>
<tr>
<td>Putting Shot (16 lbs.)</td>
<td>38 ft. 6 1-2 in.</td>
<td>E. R. Godfrey</td>
<td>Bowdoin, 1896.</td>
</tr>
<tr>
<td>Throwing Hammer (16 lbs.)</td>
<td>133 ft. 8 in.</td>
<td>F. E. Smith</td>
<td>Brown, 1896.</td>
</tr>
</tbody>
</table>
### World's Amateur Records.

#### Standard Events.

<table>
<thead>
<tr>
<th>Event</th>
<th>Record</th>
<th>Holder</th>
<th>Place and Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>100-Yard Dash</td>
<td>9 4-5 sec.</td>
<td>John Owen, Jr.</td>
<td>Washington, 1890</td>
</tr>
<tr>
<td></td>
<td></td>
<td>B. J. Wefers</td>
<td>Berkeley Oval, 1896</td>
</tr>
<tr>
<td>440-Yard Dash (straight away)</td>
<td>47 3-4 sec.</td>
<td>Wendel Baker</td>
<td>Boston, 1886</td>
</tr>
<tr>
<td>880-Yard Dash</td>
<td>1 min. 53 2-5 sec.</td>
<td>C. H. Kilpatrick</td>
<td>New York City, 1895</td>
</tr>
<tr>
<td>One-Mile Run</td>
<td>4 min. 15 3-5 sec.</td>
<td>T. P. Conneff</td>
<td>New York City, 1895</td>
</tr>
<tr>
<td>Two-Mile Run</td>
<td>9 min. 17 2-5 sec.</td>
<td>W. G. George</td>
<td>England, 1884</td>
</tr>
<tr>
<td>One-Mile Walk</td>
<td>6 min. 29 3-5 sec.</td>
<td>F. P. Murray</td>
<td>New York City, 1883</td>
</tr>
<tr>
<td>120-Yard Hurdle</td>
<td>15 2-5 sec.</td>
<td>S. Chase</td>
<td>Travers Island, 1895</td>
</tr>
<tr>
<td>220-Yard Hurdle</td>
<td>24 3-5 sec.</td>
<td>J. L. Bremer</td>
<td>Berkeley Oval, 1894</td>
</tr>
<tr>
<td>Running Broad Jump</td>
<td>23 ft. 6 1-2 in.</td>
<td>C. S. Reber</td>
<td>Detroit, 1891</td>
</tr>
<tr>
<td>Running High Jump</td>
<td>6 ft. 5 5-8 in.</td>
<td>M. F. Sweeney</td>
<td>New York City, 1895</td>
</tr>
<tr>
<td>Pole Vault</td>
<td>11 ft. 5 3-8 in.</td>
<td>W. S. Rodenbaugh</td>
<td>Philadelphia, 1892</td>
</tr>
<tr>
<td>Putting Shot (16 lbs.)</td>
<td>47 ft.</td>
<td>G. R. Gray</td>
<td>Chicago, 1893</td>
</tr>
<tr>
<td>Throwing Hammer (16 lbs.)</td>
<td>145 ft. 3-4 in.</td>
<td>J. S. Mitchell</td>
<td>Travers Island, 1892</td>
</tr>
</tbody>
</table>
M. I. T. FOOTBALL ASSOCIATION.

OFFICERS.

President.
Howard Agnew Noble, '97.

Vice President.
Ralph Spelman Whiting, '97.

Secretary-Treasurer.
Ernest Frank Russ, '98.

Captain.
Frank Edward Underwood, '97.

Executive Committee.
Herbert Page Beers, '97.
George Frederick Ulmer, '98.
George Rogers Heckle, '99.

Manager of Team.
Augustus Clark Lamb, '97.
## GAMES.

<table>
<thead>
<tr>
<th>Date</th>
<th>Opponent</th>
<th>Location</th>
<th>Score</th>
</tr>
</thead>
<tbody>
<tr>
<td>October 3</td>
<td>Technology vs. Exeter</td>
<td>at Exeter</td>
<td>0-0</td>
</tr>
<tr>
<td>October 7</td>
<td>Technology vs. Colby</td>
<td>at Boston</td>
<td>0-4</td>
</tr>
<tr>
<td>October 10</td>
<td>Technology vs. Campello</td>
<td>at Campello</td>
<td>0-0</td>
</tr>
<tr>
<td>October 17</td>
<td>Technology vs. Trinity</td>
<td>at Hartford</td>
<td>6-16</td>
</tr>
<tr>
<td>October 21</td>
<td>Technology vs. Tufts</td>
<td>at Medford</td>
<td>0-0</td>
</tr>
</tbody>
</table>

Games played: 5
Games won: 0
Games tied: 3
Games lost: 2

## TEAM.

F. N. Le Baron, '97.  
E. B. McCormick, '97.  
F. E. Underwood, '97.  
W. J. Walther, '97.  
E. C. Emery, '98.  
H. A. Hopkins, '98.  
F. E. Mansfield, '98.  
W. G. McConnell, '98.  
J. Nolte, '98.  
G. F. Ulmer, '98.  
C. W. Wilder, '98.  
G. R. Heckle, '99.  
P. B. Sanchez, '99.
Vile Copp Walton Fowle Ferguson MacBride
Harrison Vogt Eaton Blake Tutts Samuels Holcomb
Hoxie Holliday Hinnan
OFFICERS.

Captain.
KENNETH M. BLAKE.

Manager.
GEORGE I. COPP.

TEAM.

TIMOTHY W. HOXIE, Right End.
HENRY S. EATON, Right Tackle.
WILLIAM W. SLOCUM, Right Guard.
RICHARD C. HARRISON, Center.
FRANK F. FOWLE, Left Guard.

GEORGE I. COPP, Left Tackle.
DEAN HINMAN, Left End.
KENNETH M. BLAKE, Quarter Back.
EDWIN T. SAMUELS, Right Half Back.
ROBERT A. FERGUSON, Left Half Back.

JAMIE D. MACBRIDE, Full Back.

Substitutes.

ALEXANDER R. HOLLIDAY.
JOHN L. TUFTS.
EDWARD R. ROBSON.

OSCAR G. VOGT.
DARWIN ULKE.
JAMES H. WALTON, JR.

SCHEDULE OF GAMES.

October 24. Technology '99 vs. Medford High School . . . . . . . 6-0
October 31. Technology '99 vs. Needham A. A. . . . . . . . . . 4-0
November 13. Technology '99 vs. Tufts '99 . . . . . . . . . . . 4-6
November 16. Technology '99 vs. Technology 1900 . . . . . . . 6-0
OFFICERS.

Captain.
WALLACE J. PAGET.

Manager.
ROBERT P. ROBERTS.

TEAM.

CHARLES B. COTTING, Right End.
ROBERT E. OPPENHEIM, Right Tackle.
ARTHUR A. REIMER, Right Guard.
S. BERWICK MILLER, Center.
WILLIAM J. ANGUS, Left Guard.
HENRY D. JEWETT, Left Tackle.
GEORGE W. KNIGHT, Left End.
NATHAN D. WHITMAN, Quarter Back.
CLAUDE U. GILSON, Right Half Back.
WALLACE J. PAGET, Left Half Back.
FRANK DE M. GAGE, Full Back.

Substitutes.

THEODORE C. TUCK.
CLIFFORD R. HAMMOND.
LOUIS A. CROWELL.

WILLIAM R. HURD.
RUSSELL P. PRIEST.
SULLIVAN W. JONES.

SCHEDULE OF GAMES.

October   28. Technology '00 vs. Thayer Academy  . . . . . . . . . 0–20
October   31. Technology '00 vs. Haverhill High School . . . . . . . 12–14
November  7. Technology '00 vs. Milton Athletics . . . . . . . . . 6–0
November 10. Technology '00 vs. Tufts, '00 . . . . . . . . . . . . . . . . 4–4
November 16. Technology '00 vs. Tech. '99 . . . . . . . . . . . . . . . . 0–6

203
'98 BASEBALL TEAM

Chase Underwood Delano Crowell Muhlig Mansfield
Nolte Wing Zimmerman Emery Horton
Hubbard Barker Norton
OFFICERS.

Captain.
EARLE CALDWELL EMERY.

Manager.
WALTER GUSTAVE ZIMMERMANN.

TEAM.

JULIUS NOLTE, Pitcher.
MORRIS FRANCIS DELANO, Pitcher.
JAMES SAXTON BARBER, Catcher.
EARLE CALDWELL EMERY, First Base.
FRANK ERASTUS MANSFIELD, Second Base.
JAMES FRED MUHLIG, Third Base.
EDGAR WARREN NORTON, Short Stop.
JESSE BRANCH HUBBARD, Left Field and Catcher.
CHARLES FREDERIC WING, Center Field.
LUTHER ALBERTO CROWELL, Right Field.

Substitutes.

HOWARD COGGIN UNDERWOOD, Second Base
IRA MASON CHASE, JR., Pitcher and Field.
RALPH TUCKER HORTON, Short Stop and Field.
CHARLES FRANKLIN SMITH, Field.

SCHEDULE OF GAMES.

April 8. Technology '98 vs. Hopkinson . . . . . . . . . . . . . . . . . 14-14
April 11. Technology '98 vs. Roxbury Latin School . . . . . . . . . . . . . 11-12
April 15. Technology '98 vs. Newton High School . . . . . . . . . . . . . 13-6
April 18. Technology '98 vs. Roxbury High School . . . . . . . . . . . . . 10-6
April 21. Technology '98 vs. Hopkinson . . . . . . . . . . . . . . . . . 14-0
April 27. Technology '98 vs. Harvard '99 . . . . . . . . . . . . . . . . . 9-15
April 29. Technology '98 vs. Exeter Academy . . . . . . . . . . . . . . . 3-9
May 4. Technology '98 vs. Brookline High School . . . . . . . . . . . . . 5-3
May 6. Technology '98 vs. Groton School . . . . . . . . . . . . . . . . . 16-14
May 8. Technology '98 vs. Somerville High . . . . . . . . . . . . . . . . . . 5-13
May 11. Technology '98 vs. Cambridge High and Latin . . . . . . . . . 19-8
May 20. Technology '98 vs. Technology '99 . . . . . . . . . . . . . . . . . 15-8
'99 BASEBALL TEAM

Hobart  Johnstone  Copp
Burch  Keys  Weeks  Vogt  Hearne
Harwood  Sherrill
OFFICERS.

Captain.
Harry Montifix Keys.

Manager.
Merle Weeks.

TEAM.

Harry Montifix Keys .......... Pitcher and Second Base.
George Irving Copp .......... Catcher.
Lane Johnson .......... First Base.
Robert Grant Holabird .......... Second Base and Pitcher.
Miles Standish Sherrill .......... Third Base.
Oscar George Vogt .......... Short Stop.
Guy Prentiss Burch .......... Left Field.
Joseph Louis Hern .......... Center Field.
Charles Frank Harwood .......... Right Field.

Substitutes.

Edward Allen Keys.
Duncan Crawford McLean.
Henry Kimberly Babcock.
Edward Everett Pierce.

SCHEDULE OF GAMES.

April 28. Technology '99 vs. Cambridge Latin .......... 3-7
May 1. Technology '99 vs. Roxbury High School .......... 10-12
May 2. Technology '99 vs. Tufts (second nine) .......... 5-20
May 20. Technology '99 vs. Technology '98 .......... 9-16
M. I. T. TENNIS ASSOCIATION.

OFFICERS.

President.
VAN RENSSELAER LANSINGH, '98.

Vice President.
HAROLD OSGOOD AYER, '99.

Secretary-Treasurer.
CHARLES BURTON GILSSON, '99.

Executive Committee.
ASA WATERS GROSVENOR, '98.

GUY PRENTISS BURCH, '99.

GERALD BASIL STREET, '99.
MEMBERS.

F. N. Le Baron, '97.
E. B. Baumann, '97.
L. D. W. Bender, '99.
F. M. Blake, '98.
W. D. Bradley, '97.
W. Brewster, '98.
M. F. Delano, '98.
M. F. Ewen, '97.
W. C. Ewing, '97.
F. Furbish, '97.
R. Gilpin, '99.
A. W. Grosvenor, '98.
H. W. Hathaway, '97.
S. L. Howard, '97.
F. W. Howe, I.
A. W. Jackson, '97.
H. W. Jones, '98.

F. W. Keisker, '97.
R. E. Kendall, '98.
V. R. Lansingh, '98.
R. D. Mommers, '98.
W. Page, '97.
J. W. Phelan, I.
H. H. Riddle, '99.
S. W. Riddle, '99.
M. F. Richardson, '99.
W. A. Robinson, '98.
E. F. Russ, '98.
R. E. Sawyer, '97.
J. F. Sickman, '98.
A. D. Spiess, '97.
J. Stone, Jr., '99.
G. B. Street, '99.
E. M. Taylor, '98.
G. W. Treat, '98.
G. R. Wadsworth, '98.
T. Washburn, '97.
E. A. Weimer, '98.
C.—E. A. Winslow, '98.

The spring tournament was held on the grounds of the Association, May, 1896.


The fall tournament was held on the grounds of the Association, October, 1896.

HARE AND HOUND CLUB M-I-T

Organized November 14, 1896.

OFFICERS.
A. W. GROSVENOR.

MEMBERS.
W. J. ANGUS.
R. E. BAKENHUS.
J. H. BATECHELLER.
H. L. BODWELL.
W. BREWSTER.
G. P. BURCH.
W. L. BUTCHER.
E. R. BUTTERWORTH.
H. A. B. CAMPBELL.
L. A. CROWELL.
P. B. COOPER.
G. F. DOTY.
J. F. EVERETT.
M. F. EWEN.
W. B. FLYNN.
A. B. FOOTE.
C. B. GILSGON.
H. L. GRANT.
D. E. GRAY.
A. W. GROSVENOR.
M. W. HALL.

C. S. HIGH.
J. H. HOUSE.
G. G. HUTCHINSON.
H. W. JONES.
A. S. KEENE.
F. H. LATHROP.
D. MAYER.
G. C. MUSLON.
H. B. MAYHEW.
H. M. McMASTERS.
H. L. MORSE.
C. E. OSGOOD.
A. H. PUGH.
J. C. RIELLY.
E. W. RITCHIE.
E. H. SCHROEDER.
J. S. SMYSER.
H. H. SULLIVAN.
J. F. WENTWORTH.
W. E. WEST.
J. F. WESSEL.

First Run, November 14, ’96, from Clarendon Hills. Course, 8 Miles.
Third Run, December 5, ’96, from Belmont. Course 6 Miles.
Fourth Run, January 2, ’97, from Arlington Heights. Course 8 Miles.
Class of 1899 vs. Class of 1900.

Score, 19 to 19.
WILLIAM MONTAGUE HALL.

WILLIAM MONTAGUE HALL was born in Newton, Massachusetts, February 14, 1877. The greater part of his life was spent in his native city, where he attended successively Miss Wilkins' School, the Bigelow Grammar School, and the Newton High School. Throughout all the length of his preparatory courses he showed a fondness for study, ranked well in his classes, mastered his lessons easily and quickly and found plenty of time to devote to his boyish hobbies.

Though younger than many of his companions, his youthful foresight and level headedness won their confidence, and, combined with his popularity, made him their tacitly acknowledged chief.

His interest in military affairs in his younger days caused him to organize the boy company that Newton residents so well remember,—the Hunnewell Cadets,—which he captained throughout its existence, and which, if it lasted too short a time to admit of a perfect understanding of tactics by its members, certainly left no doubt in their minds as to its leader's proficiency as a disciplinarian. Later, although interested in athletics in general, he was especially devoted to aquatics and became a member of the Newton Boat and the Wabawawa Canoe Clubs.

Aware that his early fondness for boats and machinery was constantly increasing, young Hall decided upon a technical career, and, with this end in view, he entered Cutler's School, in Newton, to prepare for the Institute. He passed his entrance examinations in 1894, became a member of Course XIII., '98, and threw himself heartily into his work and the affairs of his class and college. His ability as a speaker and an organizer was speedily recognized during the first few chaotic meetings of his fellow Freshmen, and gained him his election as their first president.

From the beginning his popularity steadily grew, for his frank and cordial manner, coupled with his fearlessness in debate, appealed strongly
to his classmates. Hall came from the preparatory schools with the two-fold determination which inspires every representative Technology man,—of taking his degree in his chosen course, and of adding to his professional knowledge everything which he felt could tend to "round him out." He was a constant reader of the scientific papers, and took great interest in history and biography. He possessed remarkable powers of concentration, and seemed to be able to read or study regardless of the fact that even the very room in which he sat might be full of noisy comrades. He was a keen observer, and, indeed, as his father once said of him, "He seemed to be constantly storing up knowledge for future use."

Hall was initiated into the Fraternity of Phi Beta Epsilon in his Freshman year, served on the Institute Committee for two years, was secretary and treasurer of the 'Varsity Baseball Association during the year 1895–1896, and was elected a member of the executive committee of the Tennis Association and of the Technology Yacht Club. Election to an office in a Freshman class at Technology is indicative of a man's good fortune in being able to create a favorable impression upon his fellow-classmen, rather than of his ability to render them efficient service, and Hall's re-election to the presidency of Ninety-eight in her Sophomore year was a significant compliment.

Early in October, 1895, Hall became a member of the editorial staff of The Tech, and shortly afterwards took charge of the Athletic Department of the paper. His interest in class affairs in no way abated, nay,—it increased; for throughout his second year he labored constantly for the unity of Ninety-eight, and she in turn, in the spring, renewed her faith in him by giving him her solid vote for the Electoral Committee of Technique; and had his life been spared he would have been the Society Editor of this volume.

The Institute had hardly closed last year when Hall began to get his cutter into readiness for a cruise along the coast of Maine. The Daisy went into commission while lying off City Point, on Thursday, the eighteenth of June, and a short time after the ensign and the burgee of the Technology Yacht Club were hoisted, Hall fell from the rigging to the deck, so fatally injured that his death occurred on the following day.
His sudden end was indeed a severe blow to his fellow-workers; the Junior year of Ninety-eight was entered upon with mingled feelings of sadness and helplessness; and even now, although nearly another college year has passed away, it seems almost inconceivable that they can never again in this life see his face and hear his voice.

Ambitious and enthusiastic, he gained their attention; manly and a natural leader, he commanded their respect; generous and sympathetic, he won their love; honest and faithful in all things, holding noble ideals, ever ready to champion his family and his friends,—such was he who was endeared to upper and lower classmates alike, and known to all the college as "Billy" Hall.

S. L. H.
WITH throbbing hearts and groined vaulted yells the two divisions of the illustrious twenty-one started for the Old World: the North Wing leaving June 3d, on the palatial cattle steamer Cestrian; the South Wing risking their lives on one of the Cunard boats. The weather was good, but grew a little rough at times, causing the bright-eyed youths to stand by the rail and view with flashing orbs and heaving lower chest the mighty waves as they passed under the ship. Some people enjoy the sea; others would give as high as $7,32 to be ashore.

After a very rapid (?) passage, the three thousand sheep, eight hundred cattle, two professors, and eight students were landed at Liverpool. Several days were spent in going to London, Chester and Oxford being visited en route. At the metropolis the shattered remains of the second division were embraced. Five days were then spent in London, but to describe what was seen would necessitate a cold and very lengthy crib from the guidebook,—and six weeks. London appears to the person who sees it for the first time as overpoweringly large. It seems a hopeless undertaking to try and "sight-see" the place in five days; but this task was accomplished in quite a thorough manner by the party. Four days were spent in wheeling to Southampton by the way of Hampton Court, Esher, Guildford, Ripley, Godalmung, Compton, Elstead, Waverly Abbey, Farnham, Arlesford, Winchester, Salisbury, and other flag stations. Besides seeing very picturesque bits of architecture, two good cathedrals and some good half-timber work, the students acquired an acute knowledge of how to mend tires, play English billiards, and dance with English barmaids.

The trip across the Channel was very quiet, and the bicycle tour in France was started from Havre the morning of the 25th. Many wild and

*The Editors wish to disclaim all responsibility for the English of this article. It was written by a Course IV. man and is printed intact.
pathetic attempts were made at the language, the most picturesque forms of which appeared in Jackson’s stock phrases: “Fermez la porte,” and “Avez-vous un crayon,” which, on being hurled at the inhabitants, reaped great reward and renown,—also a few bricks.

From Havre, the route lay through Lillebonne, Caudebec and Jumièges, to Rouen. At the latter place the Cathedral of Notre Dame, the Palais de Justice, the Jean d’Arc Statue, and many other very interesting monuments and buildings were seen. Considerable time was also spent in hunting down a dictionary. From Rouen the party wheeled through Elbeuf and Berney. Some of the fellows were lost before reaching the latter place, and, through the ignorance (?) of the peasants, had to spend a day or so scorching up and down the map of France finding their grief-stricken comrades. The next town was Lisieux, at which place some of the students found their reports from Tech., and many a tooth was gnashed. Lisieux proved very interesting with quaint narrow streets and a good cathedral. The costumes of the men peasants consisted of a navy blue night-gown and a pair of shrimp pink socks, one end of which was covered by wooden shoes, or apses, of the gothic construction. The ladies wore bloomers besides the above.

The next places visited were Creve Cœur and Caen, at the latter of which was a good cathedral, with a beautiful renaissance tower. Bayeux, St. Lo, Contances, Granville, Ouances, and Mont St. Michels were the next in order. At the first place the party felt its inability to make enough noise, it being the Fourth of July. At the last town so many points of interest presented themselves that the day and a half so generously allowed seemed very short. It would be impossible to describe St. Michels here, even in the briefest manner. Fougeres, Vitri, Argentri, Chateau Gontier and Angers were then passed through. At Angers the party witnessed the French celebration of the 14th of July,—the anniversary of the fall of the Bastile. After Angers came Saumur, the West Point of France, Chinon and Azay le Rideau. The party arrived at the latter place in time to see a wild-eyed Frenchman smash into a wall. It was the same old story,—trying to coast around a very acute angle, bounded on three and one-half sides by knife-edged stone walls, the problem being to go in and out of the same opening without nicking it; also
without meeting death. We picked up the hash that was once the Frenchman, and went our way with tears on our faces.

At Azay le Rideau is one of the most perfect examples of renaissance work in France. Loches, the following town, was also fraught with interest on account of the dungeons and queer little church, and also on account of the use of a set of brass band instruments, hired for a certain occasion.

Chenonceaux, another beautiful chateau, was visited; then came Amboise, Blois, and Chambord. After leaving the Loire Valley the party struck for Paris, stopping at Chartres and Versailles; and at Paris broke up—that is, not quite broke, but pretty near it. To describe this trip in such limited space necessitates the leaving out of details which are of frenzied interest to some of the pilgrims. One of these details, about which the air was generally blue, was the puncturing of a tire as the rest of the party was disappearing over the brow of a neighboring mountain! At such times man does not wish to be entirely alone, but yearns to hit some animate object with a large brick.

The stays in Paris were of varied lengths, being in direct proportion to the number of plunks; this law holds up to the breaking point, after which the tourist cables for money. However, everyone had time for at least a glimpse at the most important points of interest. Too much credit and thanks cannot be given to Professor Homer, who was the originator of the trip. The admirable way in which it was planned, and the careful personal attention he gave to its requirements, were altogether successful in making of the tour a most enjoyable, as well as instructive outing.
HAD known Mathews at home, before he went to Yale and I came to Technology, and he had always given me a hearty welcome whenever I passed through New Haven. I was very much pleased, therefore, when he turned up in Boston for the Harvard-Princeton game. We watched the downfall of the Crimson together, and then I took him to the Club for dinner. He was duly impressed by the crisp English steward, and by the distinguished company at some of the little tables in the dining room, where professors, alumni, and undergraduates were seated together indiscriminately. He failed to recognize Dr. Tyler at first as the full back of the Faculty football team in the '96 TECHNIQUE, because his beard was at that time under its biennial eclipse; but when the Secretary asked me some question across the table about the game, he looked rather awed, and whispered, "What a jolly, friendly footing you're on with your professors at Tech."

After dinner, when I took him upstairs and presented him to Professor Sedgwick, Mathew's Yale arrogance began to show visibly. The long "Common Room" was looking its best. A bright fire sparkled on the hearth and cast a flickering light on the walls, with their clear engravings and soft water colors. The fine full
length of President Rogers over the fireplace seemed to look benignantly down upon us. The old football championship banner, won by Technology in 1887 and 1888, hung in front of the bookcase, and testified to past athletic greatness.

I was dilating a little upon the advantages of a technical training to the eye and hand, and as I heard the click of billiard balls upstairs I took Mathews up, to show him what we could do in that line. We found a young graduate and a professor "pounding the ivories," and I was able to demonstrate with clearness the advantages of a knowledge of angles and the elasticity of solids. We looked into the pretty little library, where Vandyke's horrible dissection picture unpleasantly suggests the Biological department, and into the quiet card room, where a game, presumably Old Maid, was in progress.

"How was all this done?" Mathews asked, when we were once more in our armchairs near the fire with our cigars puffing merrily.

"Public spirit on the part of old grads and some of the profs," I replied. "The scheme was first suggested in the executive committee of the Alumni last January, and in six months it was carried through. Of course they keep the control mostly in their own hands; only sixty out of the six hundred members can be undergraduate at present, and those are Seniors or very distinguished men, like Editors of Technique. This tone of old-world respectability has its drawbacks; for instance, you cannot get anything to drink more inspiring than pasteurized milk—but we rather like it. The dignity, I mean, not the milk. The fare you have sampled; the billiard table is new and lively; the bedrooms which one can get for
the night are cozy; and the smoke-talks and informal meetings of various kinds have been very successful. But I telephoned for some seats at the Castle Square before dinner, and as it's eight o'clock now we'd better start."

"I've heard that you Tech men hadn't any college spirit, but I think this Club shows a good deal," said Mathews, as we stepped out into the brisk night air.
Grinds

A hit, a very palpable hit
C. R.-Nsh-W, '99: "Now, 1900, suppose you should start to dig a hole straight down into the earth, where do you think you would come out?"

Innocent C.-R-R, 1900: "Out of the hole, I suppose."

VERY QUEER.

How is it, Th-rps-n, '98,
Cuts "Maur-ice" every day?
And yet 'tis true, oh, cruel Fate!
His mind must quick "De Kay."

Wr-ght, '98 (after finishing a translation which needed considerable assistance):
"Hard, isn't it?"
"Justik" Erh-rdt: "On me,—yes."

GEOLOGICAL DEMONSTRATION.

\[
\begin{align*}
xy &= \text{Crust of Earth.}
\end{align*}
\]

\[
\begin{align*}
o x &= \text{Crust of F.-Rb-Nks, '97.}
\end{align*}
\]

Professor M-rR-lL: "Now I will devote a few minutes to the discussion of my last lecture. Any questions?"

W-lL-c-, '98: "Was there any special point you wished to bring out in the last lecture, Professor M-rR-lL?"
A SUGGESTION.

THE F--NC-MISSION BAND: To spread throughout Technology loving seeds of kindness and gentleness of spirit, as exemplified in our adored and worshiped idol.

Mr. P--RS-N: "What is the universal negation?"
C-RT-S, '98: "Unprepared."

N-LT'S ILLS THIS FALL.

Broken arm (1), sprained leg (4), cold (68), strained leg (17), neck (7), brain (0), sore foot (22), feet (9), tired (1,137), consumption (34), last stages (1), sore toes (12), wrenched hand (87), foot (119), bruises (2,273 or 4), fractured kneecap (1), water on the knee (5), nose broken (4), teeth knocked out (21), etc., etc., ad infinitum.

Professor B-RT-N: "The Comstock is the hottest mine that I know of. There may be hotter ones, but I do not know anything about them."

HEAT NOTES.

Specific Heat of '97 Technique.

\( W. I. T. = 0 \).

225
"Button, Button, whose's got a Button."
AS WE SUPPOSED.

Professor S-DGW-CK (in Botany): "Why! this is the easiest thing in the world. You don't have to know anything to know this; that's why I am teaching it to you."

IN THE NURSERY.

Professor L-nz: "Mr. Br-ml-ll, you may take the cradle."

SECOND SIGHT.

C. W. P-nd-ll: "Am iN IT?"

DRESS REFORM.

Professor P-p: "Now you must all provide yourselves with overalls for this laboratory work" (noticing a blushing Co-ed), "or aprons, as the case may be."

"THE SPIRIT OF '76."

Professor R-pl-y (in Taxation): "Where are the other members of this class? We can't have 'taxation without representation.'"

ATHLETICS AT M. I. T.

"The M. I. T. Athletic Association held the most exciting meeting in its history on the thirteenth of March. Mr. A. W. Grosvenor, after a hot fight, was chosen President. In the contest for Vice President Mr. Asa W. Grosvenor came out ahead. The balloting for Secretary ran very close, but Mr. A. Waters Grosvenor had the best of it. Mr. Asa Waters Grosvenor was elected Treasurer. It is said that a large body of voters had agreed upon the nominees elected before the meeting."
173. Mrs. Professor Ell-n H. R-ch-rds, having duly reached the time limit, was admitted to the Faculty at the May meeting. It is unfortunate, however, that Professor B-t-s could not conscientiously abide the decision, and remain with us.

177. Ex-Professor F.-nc-, who left M. I. T. under such unfortunate circumstances, has just sailed for China, where he goes as a missionary to Chin Whiz. His religious fervor and gentleness of manner will undoubtedly endear him to all the natives.

184. Dr. Tyl-r's new book, "Liquid Entertainments," has already passed through forty-seven editions, and is now entering upon a period of oblivion. He anticipates an elementary edition.

? J-ck P-ch-n returns next year to take Applied, and hopes to graduate with 5. His book, "A History of M. I. T. since its Foundation, by the Oldest Resident," is intensely interesting, owing to the endearing personal reminiscences of the better known professors.

196. Mr. B-nj-m-n H-rd has recently taken charge of the Roxbury Distillery, which has gone into liquidation. He hopes to bring it through by methods learned while at M. I. T.

197. The Rev. G-org- H. McC-rthy has accepted a call to a fashionable New York church, where his suave and genial manners will doubtless make him unusually popular.

197. Mr. K-nd-ll F.-rb-nks has recently become connected with the Gas Works. He is said to be doing extremely well.

197. Mr. H. D. H-nt's new play, "Mamie's Secret," will be produced the coming week by the "Daisy Whoofer International Burlesque Company," direct from London, at the Howard. Mr. H-nt's success has been phenomenal. At present he is engaged in writing an operetta, to be brought out at the Nickelodeon soon.

197. Mr. Schw-rtz has lately joined the Real Estate Exchange. We hope his transactions will be more frequent than when at M. I. T.

198. Mr. E. H. F-g-ry has arrived home from his course on the Marjorie. She has proven herself much swifter than her maker.

198. Mr. G. A. H-tch-ns-n was recently elected Alderman from the 17th Ward of South Boston. Mr. H-tch-ns-n's ability is unsurpassed as a politician.
'98. Mr. Ev-r-tt N. C-rt-s, who studied for law after leaving the Institute, has gone upon the stage, and is making a great success in "The Witty General." The lady who supports him is charming.

'98. A quiet wedding was celebrated in Chelsea, on February 22d, at which Mr. W-l-l-m T-w was the fortunate man. This is Mr. T-w's third venture since graduation, and we hope that he enjoys his winters in the bracing climate of S. Dakota.

'99. Mr. Edw-n Sh-k has conducted the coming French Ball, modeled after the New York prototype, most ingeniously. Mr. Sh-k's experience gained while at Technology in the conduct of such affairs has been serviceable to him, no doubt, and the affair will be highly elevating.

'99. Mr. R. W. B-l-y has been appointed corporal in the Army. He informs us that he still retains his old-time popularity.

'99. Mr. E. H-sm-r H-mm-nd has, by special arrangement with the Bird, had a lounge placed in the Cage, where he can rest between recitations. He says that the stone steps are too chilly.

1900. The sad accident which be-fell Mr. M-lt-n H-l-l, the doctors hope will not prove fatal. A safe fell six stories and struck him on the head. Other than a severe shock he has received no injuries.

The Basket Ball team was defeated by a score of 40 to 0 by Wellesley, last Thursday. This is an improvement over last year, and shows conscientious work of the men. Besides the lack of training tables, the team has been badly crippled by the loss of two men who were laid out in the game with the Emerson College of Oratory team. Mr. M-nsf-id is still suffering from the effects, but is improving rapidly.

The annual fair and bazaar, held last week, to make up the deficiency of the Football Association, was a grand success. Mr. C. H. L. N. B-rn-rd was inimitable as floor director. Many ladies attended.

Baseball may be resumed at Tech next Spring.

A large number of students went to the "Gym" last week to use a piece of apparatus which, it was rumored, had been repaired. The rumor was unfounded.

The Board of Graduate Supervisors have decided that "Co-eds" will be allowed to enter the cane rush at their own risk.
THE LIGHT WENT OUT.

Professor Cr-ss (speaking of inventor of incandescent lighting): "His career was unfortunate. Shortly after he died, and didn't push his inventions any further."

Professor H-FFM-N: "This process must be carried on in glazed underwear, or er—earthenware." (Wild consternation in class.)

ARN-LD, '98.

With nice little musket and buttons so bright,
He drills and he marches from morning 'til night.
If he thinks that the Captain can give him S. B.,
He'll find he's mistaken as sure as can be.

Professor P-p-: "You must be very careful not to spill any of the acid on your clothing, because it will burn holes in it, and make the color of the holes red."

ONE OF MANY.

"My son is much elevated by Shakespeare."—Art. B-its.

REPARTÉE.

Student: 'Dr. W-lk-r, will you kindly tell me what this chemical is? I can't quite get its composition."

Dr. W-LK-R: "No; I don't give a —-, and don't believe the Lord in heaven knows."

Student: "Oh! I knew he didn't, but I thought that you might."
How Children do Grow!

"Chet" Dr-k- (translating): "She sank up to her knees in the mud, and was gradually sinking —"

Professor V-g-l: "You've gone far enough, Mr. Dr-k-.

HEROES.

George H-tch-ns-n! George W-sh-ngt-n!
Both mighty names are these:
The one lays low opposing cliques,
The other laid for trees.

AT AUSTIN & STONE'S?

Dr. R-pl-y: "I have a friend whose father was a Chinaman and whose mother was a Hottentot."

ANTHROPOLOGICAL AXIOMS.

Large head does not indicate greatest intellect.—H-fm-n.
Hair is the most variable feature of the human species.—F-g-ry.
Long, narrow heads do not indicate a low mental capacity (Tech. men have a very narrow set of heads).—Arl. B-t-s.
Special conditions make the Island of Cuba somewhat less healthy than the adjacent islands.—P. S-nch-z.
Redheads are hard to classify.—Sm-w, '99.
In the negro a sleep is prevalent which eventually causes him to surrender life.
It has never been seen in the whites (?).—Bursar.
TECHNIQUE
TONSORIAL
PARLORS

WELL KNOWN MEN
AS THEY WOULD LOOK
WITH SOME OF OUR
LATEST FASHIONS

1. Prof. P-p-
2. Prof. D-wy
3. Sect. Tyl-r
4. Prof. C-r-s-
5. Prof. N-H-s
6. Prof. L-nz-
7. Prof. D-spr-d-I-I-s
8. Prof. B-t-s
9. Prof. Cl-st-rd
10. Prof. F--nc--
Professor L-nz: "The rest of this book of Gilman's is filled up with explanations of why things ought not to have been as they were, if they had been different."

The Department of the Interior:
The Lunch Room.

At the Parade.

R-g-n-Ld T-b-y: "Whaz-ze-mazzer-wiz-ze Alumni Coash?"
From the Crowd: "Only half full."

Poor Rogers.

Kid One: "Is dat de Hahvud joint?"
Kid Two: "Naw; dat's de gas house!"

An Exceptional Gathering.

Below is an excellent cut of one of Technology's rousing football meetings.

Account of the same in the "Wrench":

"Probably the most enthusiastic meeting that the Football Association ever held, occurred on Saturday. Owing to the extensive advertisement through the columns of the 'Wrench' an unprecedented crowd attended, and the subscriptions were accordingly munificent, etc., gush, etc., gush, etc., —-

R-m-rv, '98: "Sported a Henry Clay head without the Henry."
RELIGIOUS TRAINING AT THE INSTITUTE.

It gives us great pleasure to make the exclusive announcement that at last the Faculty are considering the proposition made to the Institute by interested parties, some time ago, to establish a course in Sportology. The lack of spiritual oversight and care for our students, which is so generously provided for in most colleges, was felt early in the history of Technology, and in order to provide the necessary accommodations for this, the Brunswick Hotel was built and a portion of it fitted for the purpose. For some years an optional course has been given, and has been well attended. The establishment of the Technology Club, during the past year, has brought the matter once more to the front. For a full enjoyment of the privileges of this institution such training is necessary, and the limit placed upon the number of undergraduate members makes some method of choice imperative. Hence, the Faculty have decided to make the services in the Chapel compulsory. For all regular students the work will consist of six hours per week, lectures and laboratory, and one hour preparation. For Courses IV. and IX. double time and special work is required. Annual and semi-annual examinations will be held by a special arrangement with the Technology Club, and no student shall be eligible to membership without a clear record in this course.

The services in the Chapel will be under the charge of Professor Cl-lf-rd, together with the present popular instructor and his assistant, the former being considered a member of the Faculty with the rank of Associate Professor. In order that the time may be arranged to the best advantage, no provision will be made on the tabular views for this subject. Students, however, must make due allowance for it on their section cards, giving it the preference in case of a conflict.

The course will include a thorough study of Beerology, Cocktailography, and Smokeism, illustrated by experiments which each student is required to perform, as well as the elements of Billiardism and Poolology. Students desiring to spend extra time may have free access at all hours of the day or night.

For further particulars get special circular on "Chapel" at the Secretary's office.
M. I. T. YACHT CLUB,
April 1, 1313,
Off Marlave's.

PROFESSOR S-DGW-CK: "Can anyone tell me what use leaves are?"

AT THE YACHT CLUB.

S. L. H-w-rd: "Say Sw-s-y, do you suppose that Sm-th would get hot if I jollied him?"
Sw-s-y: "Don't know. Boiling point depends upon the nature of the liquid."
Dr. S-dgw-cK (to new class): "You may take the first ninety pages for next week, and we will finish the book the week following."

A SENIOR PROBLEM.

CALCULATE the number of foot pounds to every one of G-ty's jokes.

How doth the little D-w-y do?
Doth he do what his papa do?
Do 'e?
Well, I guess he do.
Don't you think he do?

POLITICAL ECONOMY.

1. Is a professor of Political Economy a producer? If not, has he any value?

2. State and explain the relation between rents in Cambridge and the salaries of chorus girls in Boston.

3. How does home production affect the income of an instructor at M. I. T.?

4. Give a concise and unbiased discussion of the Silver Question, mentioning the views of the author, the relation of prices to demand, the advisability of attempting it alone, and a summary of the discussion by the champions of both sides.

TIME: 10 minutes.

236
Here are men. What is a man? A man is a grown-up lit-tle boy. Is the lit-tle one a man? Yes, per-haps. What is his name? His name is Fred-er-ick. What is he called? He is called Fred-dy. Why is his head so large? He can-not help it. Did it grow that way? No; it was made so. What does he hold in his hand? He holds a book in his hand. He reads the book some-times. Does he stud-y? Oh, no; he is a Gen-e-ral! Do the Gen-e-ral-s ever study? Ver-y sel-dom. Does the man talk? Yes, the man does talk. What does he say? Very lit-tle, usu-all-y. Is he nice? No; he is very fresh. Was he al-ways a big man? No; he was once a lit-tle boy. How long ago was he a lit-tle boy? Two years a-go he was a ver-y small boy. Does he love his teach-ers? Yes; he loves his teach-ers ver-y much. Who does Fred-dy play with? He plays with Er-nest. Is Er-nest a sweet boy? Yes, a dear boy. Is Er-nest pop-u-lar? Yes, some-times. Does Er-nest work? No; he is also a Gen-e-ral. Why do the Gen-e-ral-s not work? They have a snap course. Do they think they work? O Lord, yes! Do Fred-dy and Er-nest ever get turn-ed down? Yes; they were once turn-ed down. What do you call a man who is turn-ed down? A Pol-i-ti-cian. What do you call one who is not turn-ed down? Oh! he is a Wiz-ard.

ER-NEST  SASS-Y  HEAD
SWEET    GEN-E-RAL  HUGE
FRED-DY  SNAP  POL-I-TI-CIAN

237
DR. W-LK-R (when C-lc-rd breaks a beaker): "I wonder why these Course III. men are so irresponsible!"
S-D-NST-CK-R: "That’s easy. They’re minors."

H. D. H-NY, ’97: "Now, why do you not have Ed. Sh- -k on your committee?"
Ch-s. Br-DL--: "Well, don’t you think he swears a great deal?"

IN THE SHOPS.
R. W. St-BB-NS, ’99: "Mr. Sm-th, my physician has forbidden my doing any brain work this year, but of course that won’t prevent my continuing your subject."

"By this you will readily see."
TESTIMONIALS.

The following testimonials received by the Dosem and Kilham Company of Quacklenburg are given space in this portion of the book on account of the public interest attaching to their authors, and also on account of a large sum paid by the Company.

Dosem and Kilham, Manufacturers of the Wondrous Sleep Restorer:

Dear Sirs,—Allow me to express my gratitude for the service which your Sleep Restorer has rendered me. Before I used it I was much troubled with wakefulness, sometimes being unable to go to sleep all day. Since a friend of mine, Mrs. Bird, who like myself is in the checking business, recommended your specific I have had no further trouble. I also am now constantly visited by pleasant dreams of young men paying term bills, etc.

Restfully yours,

[Signature]

Dosem and Kilham, Sole Patentees of the Hair and Wool Grower:

Gentlemen,—When I first entered the Institute of Technology I was much troubled by loss of hair, owing to my fear of Mr. F., etc., to my chemical experiments, and to the conduct of my many lady friends, who not only pulled my hair, but my legs also. I was in a deplorable condition. It was then I saw your advertisement, which was as a beacon light in a storm. Thanks to the constant use of the hair renewer, I am now able to boast the most noted head of hair in the annals of Technology. Only two weeks ago I received a letter from Austin & Stone, who offered me the position of Circassian girl; but I firmly refused, thinking such an occupation unworthy my dignity, and preferring the pursuit of knowledge to that of histrionic fame.

Gratefully yours,

[Signature]

Dosem and Kilham, Proprietors of the Cleopatra Complexion Cereal:

My dear Sirs,—How can I thank you adequately for the wonderful change that has been wrought in me by the aid of your invaluable remedy? Before I heard of your divine medicine I was in the habit of using daily 2 gills of rose water, ⅓ lb. of borax, 1 box of glycerine, 12 ounces of arsenic, and a steam vaporizer. I even went so far as to wear a complexion mask to bed. What I then accomplished by hours of assiduous toil, I am now able to do in no time at all, simply by eating your medicated food. My friends tell me I am growing more beautiful every day. I inclose my picture; use it as you see fit.

Joyously yours,

[Signature]

Dosem and Kilham, Makers of the Great Fraternity Nerve Tonic:

Gentlemen,—If indeed you are such: I should like to know the reason of the use of my name in advertising your vile concoction. I have never used it, never will use it, and do not believe there is any such remedy. I'll have you know that I belong to none of the chummy and imbecile fraternities of the Institute, and would not if I could. Moreover, as I am as healthy, hearty, and as good looking and good natured a man as any in Tech. I have been compared to Daniel Webster as an orator. Send your representative to me, and afterwards you will have an opportunity to try your senseless remedy on one of your own tribe.

Adios,

[Signature]
Professor V-N D-Ll: "No, Mr. H-sbr-cck, you do not use 'lieber' in that instance; it is generally used when you are speaking of things you hold in your arms."

"You're not the only pebble on the beach."

Professor Cr-ss: "In looking this up the other day, to find something that I did not know, I found it a very hard problem."

COURSE IX.

H. D. H-nt, '97: "Is that true, Dr. D-w-y?"
D-w-y: "Oh, no; but we use it in our course!"

WIND.

Professor Cr-ss (in lecture, pointing to '99 men): "Now if we had some gas tanks like those yonder, ———" (righteous indignation by the members of cane-rush committee).
p d $Q = n \text{(it)} + H. T. (OCT)_{(1)} + d_{sm}$

G. R. ANTH-NY: "Professor, how is that equation derived?"
PROFESSOR P--N-DY: "Oh! that is one of the things I invite you to recognize and admit to be true."

**DON'TS FOR TECH FRESHMEN.**

Don't take 13 subjects.
Don't cut drill 13 times.
Don't get on The Tech.
Don't whistle to the Bird.
Don't ask questions in Physics.
Don't have 13 petitions refused.
Don't call N-rm-n, "Professor."
Don't attend 13 theatres per week.
Don't attend chapel 13 times a day.
Don't take 13 drinks in an evening.
Don't reach lectures 13 minutes late.
Don't wear long cuffs at exam. time.
Don't pay your bill on October 10th.
Don't go to Military Science lectures.
Don't smile when "Profs." say R-dler.
Don't receive 13 notices from H. Tyi-r.
Don't call on the Bursar without a bed.
Don't get gay with the lunch-room girls.
Don't sit behind a big man at exam. time.
Don't see Ch-r-l-y Cr-ss over your right shoulder.
Don't fail to be at home when your report comes.
Don't contribute to other than your own class teams.

**BRANDED.**

Too bad! too bad! poor H-ry B--rs;
It is an awful burning shame,
That your old failing thus appears
So evident within your name.

**CHEMISTRY SIMPLIFIED.**

H-R-C- SM-TH, '98: "Dr. W-lk-r, how shall I dissolve this base?"
Dr. W-LK-R: "Spit on it! Spit on it!"
### WHAT WE ARE COMING TO!

<table>
<thead>
<tr>
<th>Name</th>
<th>(When full, take care with capitals and punctuation.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Age</td>
<td>(Co-eds over 60 exempt.)</td>
</tr>
<tr>
<td>Last Residence</td>
<td>(Good looker?)</td>
</tr>
</tbody>
</table>

**Do you imbibe?**

- **a Why?**
- **b When?** Y. M. C. A. meets every Saturday at 12.
- **c What?**

**Size of shoe**

(For acreage see Bursar.)

**Are you married?**

- **a When?**
- **b Why?**
- **c What?**

**Have you a family?**

(See Art.)

**Do you use the following:** Lydia E. Pinkham's Pills, Allcock's Porous Plasters, or Dr. Yanker's False Teeth?

**Have you ever taken English?**

Studied it?

(What anesthetic did you use?)

**Have you seen Anna Held?**

Under what circumstances?

**Ever heard of L-n-s, F-g-rty, the Bird, Descip, Flunk, Heat, “Getty,” etc.?**
### Special Tabular View.

**A. Sportive Husa, Course Fourteen.**

<table>
<thead>
<tr>
<th></th>
<th>9—10</th>
<th>10—11</th>
<th>11—12</th>
<th>12—1</th>
<th>1—2</th>
<th>2—3</th>
<th>3—4</th>
<th>4—5</th>
</tr>
</thead>
</table>

This card shows time at which I am supposed to arrive at and depart from various places; but neither arrival nor departure (especially Wednesday and Saturday) is guaranteed, nor am I responsible for the same.
Professor Chndl-r: "You gentlemen may think this point very large, but I assure you that it takes a pretty large one to be seen by part of this class."

Mr. H-mbl-t: "Well, Mr. P-nd-l, are you all here?"

---

**A POPULAR METHOD.**

Professor P--b-dy (in explanation): "There are three methods by which a result may be secured,—first, by calculation; second, by calculation and guess work; third, by guess work alone. You may all go to the board."

(Ten minutes elapses.)

"Now, Mr. P-ch-n, how did you obtain that result?"

P-ch-n: "By the third method."
A CONVERSATION.

WALKER BUILDING: "Good morning, Rogers; how do you feel?"

ROGERS BUILDING: "Oh, pretty well; I'm much better now, since I've gotten my new Hawley down-draught furnace; don't get so many coals. And you?"

WALKER B.: "O, I'm as happy as Maclachlan; I've got a corner in Clarendon Street."

ROGERS B.: "Stationary—eh?"

WALKER B.: "Yep. Say—do you know I envy you sometimes? Of course you're a little hampered in your 'upper story'—with L-n-s and 'Free-hand Ch-rl'—"

ROGERS B.: "Well, I'd rather have even them than an old chemical Vatican—"

WALKER B.: "What?—oh, I see! But T-mmy 'ain't so bad,' except when he wants things in me—right off, you know; but you with Ch-rl- Ad ——."

ROGERS B.: "O, he isn't here much now; we've got a new machine, that practically does away with him."

WALKER B.: "That does away with dear old Ch-rl--? Well, I never ——."

ROGERS B.: "Yes. It's got a megaphone attachment, and just yells out, 'See the mass!' every ten seconds."

WALKER B.: "Well, that is an improvement. Tech's a great place, ain't it? We've got the 'Greatest Show on Earth ——'"

ROGERS B.: "You mean in The Tech office?"

WALKER B.: "Oh, no! The B-rn-rd Bros. Circus—continuous performance 9 to 4 ——. By the way, a good joke: Freshman named H-ll got into the Margaret Cheney Reading room, thinking it was Ch-rl-y's recitation room; smelt the perfume, you know."

ROGERS B.: "Ha! ha! And that reminds me, 'Justle' Erh-rdt came over here yesterday to see H-rry about getting his room changed. Says that with the Chemical lab. above him and Ch-rl-y below him, the odors are simply suffocating."

WALKER B.: "I can't blame him. Heard quite a racket over in you yesterday; what was it? Did Arl- tell one of his stories?"

ROGERS B.: "No; it was only in The Tech Board. F-g-rty, '98, had just set up another 'joke' for publication."

WALKER B.: "What, again? What was it this time?"

ROGERS B.: "Something about an extra big lesson Dr. V-n D-ll gave his French section, and a remark one of his pupils made."

WALKER B.: "What did he say?"

ROGERS B.: "According to F-g-rty—he said it was V-n-d-ll-ism!"

WALKER B.: "Ha! ha! ha! that's good."

ROGERS B.: "Be careful; you will annoy the Bursar."

WALKER B.: "Oh! wouldn't do that for the world. How is he, anyway?"

ROGERS B.: "His family cares take up a lot of his time, but with Arl-'s assistance he pulls through. He had an incandescent lamp put in the Cage the other day."

WALKER B.: "So she could get a 'Bird's-eye view' of the letter rack?"

ROGERS B.: "Sh-sh-sh! I hear the Institute Committee stirring. We must not disturb their slumber."
"The Marjorie."

A GIBSON GIRL.
(NIT.)

A FIRST YEAR
"DESCRIPT." PROBLEM.

AN "EXAM."
Edward S. M. L. Chp-n, S.B., Ph.D., Professor of Chemistry and General Knowledge.
M.I.T., '98, V.

Assistant Professor in 1896; In charge of Course V., 1897; Professor of Chemistry, 1898; General supervision of M.I.T., in 1899; Dean of Y.M.C.A., from 1894 to 1899; Professor in charge of "Sportology," 1900; Prize Winner at Technology Beauty Show, 1898; Lecturer in Lowell Course on "The Knowledge of an Unsurpassed Brain," 1897.


Author and Editor of the New Encyclopaedia Britannica (72 volumes).
Residence, 4114 Grind Row, Chelsea.

J. S. P-ch-n: "When I leave Tech."

Translation.

Professor D-pp-ld (who has forgotten his book): "Mr. St-w-rt, won't you let me take your book?"

St-w-rt, 1900, hesitates.

Professor D-pp-ld: "Oh, I can read your writing!"

Senior Class Meeting.

Schw-rtz and others at the rear of the room, voting.

Fr-dly L-B-r-n: "If the gentlemen against the blackboard will kindly remove their gloves, it will be much easier to count."

Just A Few.

Shr-.d-r, '98: "How is it, Mr. W-nd-ll, that we see double?"

Mr. W-nd-ll: "There are several things which-er-stimulate vision."
Professor W.-d (in Calculus): "A slight change will make \(3(\frac{am}{\text{d}})=\text{d}(\frac{am}{\text{d}})^3\)."

NATURAL PHILOSOPHY.
"The efficiency of a couple is measured by the product of the forces and the length of arm." (See Art. 55, Physics notes.)

HORRIBLE DEATH!
Innocent 1900 (October 1st): "Oh! Mrs. Bird, how much do you charge for checking?" (Funeral at 3:30.)

Professor V-g-l (explaining): "In Romance languages the moon is spoken of as being feminine, because she is out all night." (Howls and cheers.)

Professor C-l-f-f-r-d: "These experiments explain the fact that the hand may be dipped into melted iron, and that red-hot plates may be handled without injury, as I will show at another lecture."

SNAP COURSE.
D-ck M-m-m-rs (8:30 A.M. in Chemical lab., to Ch-p-n, who has just come in): "Well! Ch-p-, I've beat you down this morning."
Ch-p-n: "Oh! don't flatter yourself; I've just been out fifteen minutes for breakfast."

1 Cor. II. 14.
"Doth not even nature itself teach you, that, if a man have long hair, it is a shame unto him?"

WANTED: A GLASS CASE.
'98 Man (in Phys. Lab. to McJ-nk-n, '98): "How in h-ll does this d—- thing work?"
McJ-nk-n, '98: "My dear friend, I am unaccustomed to such vile language, and do not approve of it; I shall work at the other table in future."
THE POST FIRST IN MORNING

TWO ARRESTED.

Students Make Riot at Boston Theatre.

Two students were given a ride in the patrol wagon Saturday night.

A crowd of ninety-six belonging to one of the prominent educational establish-
ments, uncorked their enthusiasm at a great rate. The gang had been enjoying a
dinner at one of the downtown hotels, and all were feeling hilarious. Down" Washington street they went, shouting and yelling to beat the band. Elementary college yells and similar disturbances were the order of the day. When they reached the Boston Theatre the throng was coming out and their actions became almost disgraceful. They hurled women and men from right to left. If a person attempted to evacuate a crowd would surround him and push him all over the sidewalk.

Officer Loughlin of Division 4 was on duty at the time. He reconnoitered with the hopes, but with no avail. The remarks of the officer seemed to add fuel to the flames, for they redoubled their efforts to create a disturbance.

By this time matters were getting hot. The ninety-six were having a great time. On the sidewalks several of the men huddled trying to get in a few whacks at their tormentors.

Officer Loughlin decided that white everybody was having fun he might as well have some. Picking out a couple of the rowdiest he ordered them to leave. Grabbing the pair by the shoulders he marched them to the box on Chestnut place. From the hooray that was made and so varied a collection they went.

“ROSES” CAPTURED THE MEETING.

Institute of Technology Freshman Class

Elected Officers Under Difficulties:
The walls of old Huntington Hall re-sounded yesterday afternoon to one of the most exciting meetings of the fresh-
man class that was ever held at the Institute of Technology. About 60 sopho-
more officers elected an entrance into the hall by way of the fire escapes and faculty entrance and “jelled” the 26 “fresh-
men” who were present until after they wished they were back in the high schools, where they came.

The old oak doors of the hall have withstood some pretty wild rushes, and never before in their history was one of the four completely torn from its hinges in the scrummy midnight, when the sophomores from without rushed into the hall.

After the big guards had barricaded the doors they turned a man in, Harry W. Allen, president of the junior class, called the meetings in order. Stebbins, ’09, was elected temporary chairman and Ralph Harris, ’09, a sophomore, was elected secretary, which position he held with the utmost success.

Officer Loughlin, ’09, assigned a guard on the second floor, while L. R. Babson, ’09, assistant guard, was given the duty of the “sophs.”

When the committee on class concilia-
tion was elected, it was found to con-
tain three sophomores and two fresh-
men. At a roll call Ralph Harris, ’09, C. P. Lief, ’09, and E. R. Babson, ’09, and Johnson, ’09. The meeting was then adjourned and the jubilant yells of the “sophs.”

IT WAS DEW.

No Wine at the Class Dinner of the Tech-

nology Freshmen.

The members of the class of ’09, Institute of Technology, had their first class dinner last evening at Young’s, about 30 being present. It was a formal dinner, with Mr. W. W. Ward, president of the class, as host.


President, J. D. UNDERWOOD, Malden.
1st Vice Pres., GRANVILLE SMITH, Washington.
2d Vice Pres., R. W. BABSON, Gloucester.
Secretary, J. G. LIEPER, Philadelphia.
Treasurer, R. S. TOBEY, Boston.

To all members of Class of ’09 from West, South, East and North, outside of Boston. This ticket is opposition to English High Clique of Boston, who always attempt to run the class.

Leaf from a ‘98 Memory Book.
LATENT MECHANICAL ENERGY.

$\int_{\text{Schlossplatz}}^{\text{Castle Square}} \text{d}x$

S. L. H.-w-Rd, '97 (translating): "She met him at the—er—what is Schloss-platz?
Professor V-G-L: "Castle Square."

TH-RL-W W-SHB-RN: "Dr. Dewey is pretty hot dog, isn't he?"
W-LFR-D B-NCR-FT: "Yes; Ph.D."

AN EDITOR.

This man with the look as of pain,
Is writing an Ed. for The Tech.
He is striving with might and with main,—
Though it seems to be causing him pain;
I imagine he's twisted, a grain,
Like the rest of those writers, who reck
Not a whit of expressing their pain
By writing those Eds. in The Tech.

UNRESTRAINABLE, "GETTY."

Professor L-NZ- (to class which was stamping at one of his periodic effusions): "Gentlemen, gentlemen, please do not do that any more than you can possibly help."

OBLIGING.

Professor S-ND-R-Ck-R (after Anth-ny, '98, had finished a demonstration): "That is not quite clear yet."

Anth-ny: "What part is it, Professor, which you do not understand?"

Freshman Co-ed (gazing at log. tables): "Do we have to memorize these things, Professor W-lls?"

GERMAN AT M. I. T.

studenten, stude, gehardet.
laten, long, geduldet.
yawnen, wink, gobedden.
slepen, sound, gedreidzen.
seven, wake, getuppen.
dressen, wash, gequicken.
sudden, exam. gehen.
damen, damit, gefunken.

250
ON LYING.

HE lies I have told you are many, I own,
   But without them I'd never progress.
In fact, the results for the fault quite atone;
   You agree with me? Come, now, confess.

When I said that your eyes were like shining twin stars,
   And your cheeks like the faint flushing rose,
Though the words are a libel, untrue as they are,
   They are better than truth, I suppose?

When I called you possessed of a fairy-like grace,
   Said your heart, as an angel's, was pure;
That you knew what was what I could tell by your face,
   And you weighed seven stone I am sure;

When I told you I'd never loved any but you,
   And that constant I'd always remain,—
You believed just as much as your heart told you to,
   (The advantage of lying again).

Yes, lying and loving together bring bliss,
   And all lovers will boycott the truth;
And lying they'll love, and deceiving they'll kiss,
   As long as there's maiden and youth.
UR Sophomores and Seniors grave,
On manual training bent,
To Master M-rr-ck's turning shop
For recreation went.

The lathes do buzz, the chips do fly,—
A busy scene is there;
The muttered execration low
And sawdust fill the air.

The greatest low comedian
In all the Senior class,
To tell a joke a long breath drew;
And then,—alack! alas!

His mouth he ope'd; the air rushed in
To fill the yawning chasm;
Some dust his mucous membrane hit,
And caused, thereby, a spasm.

He paused, he winked, his wrinkled brow
Portended grave disaster;
And then, convulsed, he sneezed a sneeze
That nearly cracked the plaster.

The keynote struck, two more bold lads
Do join to swell the sound.
A pause,—then, three in unison,
They shake the very ground.

Then in doth Master M-rr-ck rush,
And quick shuts off the power.
“Now, boys, make all the noise you can
For quarter of an hour.”

A cry spontaneous burst forth;
Not one man stood aloof:
In short, a long Tech yell they gave,
Which nearly raised the roof.

---

1The Technology Turnverein.
Again doth Master M-r-r-c rush;
   With rage he seems to hop:
"My orders stern must be obeyed,
   And you may leave the shop."
From early youth it has been taught
   To do as one is told;
But, in this year of grace, that rule's
   Grown obsolete and old.

**Technology's Samson.**

With regal step and haughty mien
   We daily see him walk;
But few are those he stops to greet,
   With few he deigns to talk.

His flowing (?) locks hang down his back;
   Perhaps they give him strength,
For never does he have them cut;
   Each day adds to their length.

Let him beware of Co-eds fair,
   Lest a Delilah should appear,
Who may ensnare, and clip that hair,
   Which is to him so dear.
A Problem in Maxima and Minima.

In "variety's the spice of life,"
Yet "rolling stones gather no moss."
How can one get the best of each,
With the least of possible loss?

A Prof. there is at M. I. T.,
With keen and subtle mind,
Who has solved, I think, this problem hard,
And proverbs twain combined.

Just see H. Tyl-r every day
For, say, a week or two,
You'll be surprised at the change bizarre
You see his face go through.

He shaves as clean as monk at first,
And tries it for a while;
Then grows a beard, and trims it off
In every conceivable style.

Variety he surely has,
And for moss, you'll all agree,
What grows on the chin of H-ry T.
Is fine as you'd wish to see.
Two Things Equal to the Same Thing.

In the Spring a young man's fancy
Lightly turns to love, they say;
So it was with Lym-n H-pg- -d,
Toward the close of term, last May.

Thoughts anent a certain fair one
Filled with restlessness his mind,
And some present, fit to take her,
Eagerly he sought to find.

Gilded belts for girls, that season,
Were considered quite the thing,
I'll get one of those,” said H-pg- -d;
“Later on, perhaps, a ring.”

So he sought the marts of Fashion,
When he learned, to his surprise,
That the belt would not fit snugly
If he didn't know the size.

Then he blushed and stammered slightly,
Losing all his wonted calm,
But in halting tones suggested,
“Could you measure—er—my arm?”
Recollecttions of an Architect.

How dear to my heart are the scenes of the chem. lab.,
When fond recollection presents them to view,—
The test tubes, the bottles, the crude apparatus,
And all the strange things that my Freshman year knew;
The wide-spreadrying stairs that I climbed up so often,
My lab. coat, in which I am sure I looked swell,
The B.U.tiful maidens who shared in my labors,
And e'en the bad odors which therein did dwell.

The horrible odors,
The far-reaching odors,
The long-lasting odors,
Which therein did dwell!

That ill-smelling chem. lab. I hailed with great pleasure (nit),
As I rushed up the stairs so as not to be late;
I found it a source of an exquisite rapture,
The pleasure of which no mere words can relate.
I ardently struggled with clothes-bags and coat-hooks,
As into my lab. coat I tumbled pell-mell,
Then rushed to my locker and broke many test tubes,
And thought that I'd rather by far be in h-II.

Those horrible odors,
Those far-reaching odors,
Those long-lasting odors,
Suggestive of h-II!

At last, when my work was once finally started,
And something was boiling just quite as it should,
I'd hear the sweet voice of the pleasant instructor
Say, “Please, Mr. X., put that under the hood.”
But now, far removed from that loved situation
I sigh with regret, and weep salt tears as well,
When I go into Physics or elsewhere in Walker,
And catch a stray whiff of those odors so fell.

Those horrible odors,
Those far-reaching odors,
Those long-lasting odors,
Which nothing can quell!
No object more precious is under the sun
Than pretty girls, dimpling with mirth;
And though you may poke at their intellects fun,
They're surely creations of Worth.
"A college joke to cure the dumps."

"The kindest man, the best conditioned and unwearyed spirit in doing courtesies."

Professor v-n D.-ll.

"When I was at home I was in a better place."—Our view of Tech.

"All the learned and authentic fellows."—The Faculty.

"But in the way of bargain, mark ye me,
I'll cavil on the ninth part of a hair."—R-dl-r.

"He was a man of an unbounded stomach."—T-rr-y, '98.

"The damned use that word in hell."—Applied.

"And of his port as meke as is a mayde."—Mr. C. L. Ad-ms.

"She is neither fish, nor flesh, nor good red herring."—The Co-ed.

"This is the third time; I hope good luck lies in odd numbers."
—S. L. H-w-rd, '97, Summer School in Physics.

"Perhaps it may turn out a song,
Perhaps turn out a sermon."—Professor B-t-s's Lecture.

"Cheaply bought for thrice their weight in gold."—Drawing Instruments.

"And thou art long, and lank, and brown,
As is the ribbed sea sand."—W. Br-wsf-r, '98.
"Beholding heaven, and feeling hell."—**The Senior.**

"There was a sound of revelry by night."—**A Meeting of the Corporation.**

"The little foolery that wise men have makes a great show."—**Professor N-l-s.**

"And both were young, and one was beautiful."—**The '98 Biologists.**

"He used to wear a long black coat
All buttoned down before."—**Secretary Tyl-r.**

"He is great who is what he is from nature, and who never reminds us of others."

—E. P. M-s-n, '97.

"A banner with a strange device."—**At the '99-00 Game.**

"Although I am a pious man, I am not the less a man."—G. J. F-sk, '97.

"It is a condition which confronts us—not a theory."—**The Unfortunates.**

"Venerable men, you have come down to us from a former generation!"

—'99 to R-m-ry and T-w Ex., '98.

"So wise, so young, they say, do never live long."—G. T. C-tl, '98.

"I am very fond of the company of ladies."—E. R. S-k, '99.

"Alas! regardless of their doom,
The little victims play;
No sense have they of ills to come,
No care beyond to-day."—Class of '00.

"Pride in their port, defiance in their eye,
I see the lords of humankind pass by."—Class of '99.

(Above two quotations sent in by H. M. K-y-s, '99.)

"The wisdom of our ancestors."—**Technique,** '97, '96, '95, etc.

"Who mixed reason with pleasure, and wisdom with mirth;
If he had any faults, he has left us in doubt!"—**Professor S-dgw-ck.**
"For that fine madness still he did retain
Which rightly should possess a poet's brain."—Professor B-t-s.

"A poor thing, but mine own."—W-lls' Geometry.

"Black as night, fierce as ten furies, terrible as hell."—L-n-s F-nc.

"Born but to banquet and to drain the bowl."—P. Cliff-rd, '98.

"A man who could make such a pun would not scruple to pick a pocket."
—Mr. Bl-chst-n.

"Their rising all at once was as the sound
Of thunder heard remote."—Pol. Econ.

"You may relish him more in the soldier than in the scholar."—The Freshman.

"That oiled and curled Assyrian Bull."—Prof. D-spr-d-lt.

"A damned cramp piece of penmanship as ever I saw in my life."—Mr. P-rs-n's.

"Let there be gall enough in thy ink; though thou write with a goose-pen, no matter."
—Technique Motto.

"Exceeding fair she was not."—B. U. Co-ed.

"I am slow of study."—W-rec-st-r, '97.

"A very ancient and fishlike smell."—13 Rogers.

"What are these
So withered, and so wild in their attire,
That look not like the inhabitants o' the earth,
And yet are on't?"—After the rush.

"Upon the platform, 'twixt eleven and twelve,
I'll visit you."—Captain B-g-l-w.

"Though it make the unskillful laugh, cannot but make the judicious grieve."—The Wave Motion joke.

"It will discourse most eloquent music."—H. G. J-hns-n, '99.
"What imports the nomination of this gentleman?"—G. A. H-tch-ns-n, '98.

"Take physic (s) pomp;
Expose thyself to feel what wretches feel."—To Specials.

"Alas, he is too young."—P-ch-n. ('93 Technique.)
"Time cures all things."

"When the brisk minor pants for twenty-one."
—(See liquor laws as regards minors.)

He's out of the ordinary run of men."—Gr-su-u-r, '98.

"It must be done like lightning."—Mech. Eng. Draw.

"The best laid plans o' mice and men gang oft agley."
—J. D. Und-rw--d's Freshman Ticket.

"The first in banquet, but the last in fight."—Class of '97.

"Every man for himself, his own ends, the Devil for all."—Tech. Spirit.

"He was not of an age, but for all time."—F. W. D-l-b-r.

"Oh dark, dark, dark, amid the blaze of noon."—22 Walker.

"Sweet bird that shun'st the noise of folly,
Most musical, most melancholy.—Herself.

His cogitative faculties immersed
In cogitundity of cogitation."—The Lounger.

"I believe they talked of me, for they laughed consumedly."—G. H. Wr-ght, '98.

"The bell strikes one. We take no note of time
But from its loss."—Physics.

"And unextinguished laughter shakes the skies."—English Lit.

"This, this is misery—the last, the worst
That man can feel."—Heat.

"A Frenchman must be always talking, whether he knows anything of the matter or not."—C. etc. B-rw-rd.
“Doing good, disinterested good, is not our trade.”—Mac's Co-op.

“His cheek is like a red, red rose.”—G. H. McCrthy, '97.

“Eye of newt and toe of frog, wool of bat and tongue of dog.”—Menu of Architectural Society's Dinner in Chinatown.

“Tis as easy as lying.”—Cutting Drill.

“I have immortal longings in me.”—H. L. M-rs., '99.

“Two friends, two bodies, with one soul inspired.”—R-ss and Tw-mby, '98.

“All learned (?), and all drunk.”—Yacht Club Dinner.

“Vein wisdom all, and Faults philosophy.”—Course III.

“There is something in your manner which would almost imply that you will hear me coldly.”—H. W. Tyl-r.

“Short of stature he was, but strongly built and athletic;
Broad in the shoulders, deep chested, with muscles and sinews of iron.”
—A. W. Gr-st-n-r, '98.

“A region of repose it seems, a place of slumber and of dreams.”—Technology.

“Clean shaven was he as a priest.”—Professor All-u.

“His eyes seemed gazing far away.”—Professor P-f-

“I am content, but you must let no man know it.”—L. All-ts, '98.

“Well, let these remain because I need them; and these others, also, because they need me.”—Professor P.-b-dy (as he flunks three fourths of his section in Thermo.)

“Nay, though I ask you a question, yet I did not mean you should answer me. I mean to answer myself.”—Professor R-pl-y.

“No matter, it was long ago;
And that is all we need to know.”—The advent of P-ch-u.

264
"Led by illusions romantic, and subtle deceptions of fancy."—Str-ckl-nd the Silverite.

"The post of honor is a private station."—B. H-rd, '97.

"About as broad as it is long."—C. S. Br-dl- r, '97.

I could a tale unfold whose lightest word would harrow up thy soul.—Hammer and Tongs Dinner, March 8, 1897.

"All is not Gospel that thou doest speake."—C. L-mb, '97.

"Hear ye not the hum of mighty workings?"—In the Shops.

"I had a hat."—Before the rush, Election night.


"We could not abandon them for our safety, nor keep them for our profit."

—Lectures on Heat.

"Noted for their great philosophical research."—W. F. Stff-ns, '98, alias Regnault; F. A. Sp-id-ng, '98, alias Faraday.

"Ah! why should life all labor be?"—N. P. R- d, '99.

"Happy am I, from care I'm free: Why aren't they all contented like me?"—Course IX. man.
Statistics.

Instructing Staff for the Year 1896-1897.

<table>
<thead>
<tr>
<th>Subject</th>
<th>Professors</th>
<th>Associate Professors</th>
<th>Assistant Professors</th>
<th>Instructors</th>
<th>Assistants</th>
<th>Total</th>
<th>Lectures</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Architecture</td>
<td>2</td>
<td>1</td>
<td>1</td>
<td>10</td>
<td>5</td>
<td>23</td>
<td>7</td>
<td>30</td>
</tr>
<tr>
<td>Biology, Zoology, etc.</td>
<td>1</td>
<td>0</td>
<td>1</td>
<td>3</td>
<td>6</td>
<td>10</td>
<td>3</td>
<td>13</td>
</tr>
<tr>
<td>Chemistry</td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>14</td>
<td>5</td>
<td>30</td>
<td>2</td>
<td>32</td>
</tr>
<tr>
<td>Civil Engineering</td>
<td>4</td>
<td>0</td>
<td>1</td>
<td>2</td>
<td>4</td>
<td>10</td>
<td>1</td>
<td>12</td>
</tr>
<tr>
<td>Drawing and Descriptive Geometry</td>
<td>0</td>
<td>1</td>
<td>0</td>
<td>4</td>
<td>2</td>
<td>6</td>
<td>1</td>
<td>7</td>
</tr>
<tr>
<td>English, History, and Political Science</td>
<td>2</td>
<td>1</td>
<td>3</td>
<td>0</td>
<td>7</td>
<td>9</td>
<td>2</td>
<td>11</td>
</tr>
<tr>
<td>Language</td>
<td>1</td>
<td>1</td>
<td>2</td>
<td>4</td>
<td>0</td>
<td>8</td>
<td>0</td>
<td>8</td>
</tr>
<tr>
<td>Mathematics</td>
<td>4</td>
<td>0</td>
<td>3</td>
<td>3</td>
<td>0</td>
<td>10</td>
<td>0</td>
<td>10</td>
</tr>
<tr>
<td>Mechanic Arts</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>3</td>
<td>6</td>
<td>6</td>
<td>0</td>
<td>6</td>
</tr>
<tr>
<td>Mechanical Engineering and Applied Mechanics</td>
<td>2</td>
<td>0</td>
<td>4</td>
<td>8</td>
<td>18</td>
<td>20</td>
<td>0</td>
<td>20</td>
</tr>
<tr>
<td>Military Tactics</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>1</td>
<td>1</td>
<td>0</td>
<td>1</td>
</tr>
<tr>
<td>Mineralogy, Geology, and Geography</td>
<td>1</td>
<td>0</td>
<td>2</td>
<td>0</td>
<td>14</td>
<td>16</td>
<td>4</td>
<td>20</td>
</tr>
<tr>
<td>Mining Engineering and Metallurgy</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>0</td>
<td>3</td>
<td>5</td>
<td>1</td>
<td>6</td>
</tr>
<tr>
<td>Naval Architecture</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>1</td>
<td>3</td>
<td>4</td>
<td>0</td>
<td>4</td>
</tr>
<tr>
<td>Physics and Electrical Engineering</td>
<td>2</td>
<td>0</td>
<td>2</td>
<td>7</td>
<td>3</td>
<td>14</td>
<td>9</td>
<td>23</td>
</tr>
<tr>
<td>Total</td>
<td>23</td>
<td>7</td>
<td>21</td>
<td>53</td>
<td>24</td>
<td>128</td>
<td>26</td>
<td>154</td>
</tr>
</tbody>
</table>
### Distribution of Students.

#### United States.

<table>
<thead>
<tr>
<th>State</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alabama</td>
<td>1</td>
</tr>
<tr>
<td>Arkansas</td>
<td>1</td>
</tr>
<tr>
<td>California</td>
<td>9</td>
</tr>
<tr>
<td>Colorado</td>
<td>7</td>
</tr>
<tr>
<td>Connecticut</td>
<td>23</td>
</tr>
<tr>
<td>Delaware</td>
<td>5</td>
</tr>
<tr>
<td>District of Columbia</td>
<td>16</td>
</tr>
<tr>
<td>Georgia</td>
<td>3</td>
</tr>
<tr>
<td>Idaho</td>
<td>1</td>
</tr>
<tr>
<td>Illinois</td>
<td>45</td>
</tr>
<tr>
<td>Indiana</td>
<td>3</td>
</tr>
<tr>
<td>Iowa</td>
<td>12</td>
</tr>
<tr>
<td>Kansas</td>
<td>3</td>
</tr>
<tr>
<td>Kentucky</td>
<td>11</td>
</tr>
<tr>
<td>Maine</td>
<td>29</td>
</tr>
<tr>
<td>Maryland</td>
<td>9</td>
</tr>
<tr>
<td>Massachusetts</td>
<td>737</td>
</tr>
<tr>
<td>Michigan</td>
<td>6</td>
</tr>
<tr>
<td>Minnesota</td>
<td>7</td>
</tr>
<tr>
<td>Missouri</td>
<td>10</td>
</tr>
<tr>
<td>Montana</td>
<td>4</td>
</tr>
<tr>
<td>Nebraska</td>
<td>2</td>
</tr>
<tr>
<td>New Hampshire</td>
<td>26</td>
</tr>
<tr>
<td>New Jersey</td>
<td>13</td>
</tr>
<tr>
<td>New York</td>
<td>64</td>
</tr>
<tr>
<td>North Carolina</td>
<td>1</td>
</tr>
<tr>
<td>Ohio</td>
<td>29</td>
</tr>
<tr>
<td>Oregon</td>
<td>3</td>
</tr>
<tr>
<td>Pennsylvania</td>
<td>46</td>
</tr>
<tr>
<td>Rhode Island</td>
<td>19</td>
</tr>
<tr>
<td>South Carolina</td>
<td>6</td>
</tr>
<tr>
<td>Tennessee</td>
<td>1</td>
</tr>
<tr>
<td>Texas</td>
<td>2</td>
</tr>
<tr>
<td>Utah</td>
<td>2</td>
</tr>
<tr>
<td>Vermont</td>
<td>8</td>
</tr>
<tr>
<td>Virginia</td>
<td>3</td>
</tr>
<tr>
<td>Washington</td>
<td>5</td>
</tr>
<tr>
<td>West Virginia</td>
<td>2</td>
</tr>
<tr>
<td>Wisconsin</td>
<td>6</td>
</tr>
<tr>
<td>Wyoming</td>
<td>1</td>
</tr>
</tbody>
</table>

Total number of States represented: 40
Total number of students from same: 1,180

#### Distribution of Students.

#### Foreign Countries.

<table>
<thead>
<tr>
<th>Country</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chili</td>
<td>1</td>
</tr>
<tr>
<td>Cuba</td>
<td>1</td>
</tr>
<tr>
<td>Dutch Guiana</td>
<td>1</td>
</tr>
<tr>
<td>England</td>
<td>2</td>
</tr>
<tr>
<td>France</td>
<td>1</td>
</tr>
<tr>
<td>Japan</td>
<td>2</td>
</tr>
<tr>
<td>Mexico</td>
<td>3</td>
</tr>
<tr>
<td>New Brunswick</td>
<td>2</td>
</tr>
<tr>
<td>Nova Scotia</td>
<td>1</td>
</tr>
<tr>
<td>Ontario</td>
<td>2</td>
</tr>
<tr>
<td>Quebec</td>
<td>2</td>
</tr>
<tr>
<td>Turkey</td>
<td>2</td>
</tr>
</tbody>
</table>
| Total foreign countries represented: 12
| Total number of students from same: 20

United States: 1,180
Foreign countries: 20
Total: 1,200
## Summary of Graduates by Courses.

### 1868-1896.

<table>
<thead>
<tr>
<th>Year</th>
<th>Course I</th>
<th>II</th>
<th>III</th>
<th>IV</th>
<th>V</th>
<th>VI</th>
<th>VII</th>
<th>VIII</th>
<th>IX</th>
<th>X</th>
<th>XI</th>
<th>XII</th>
<th>XIII</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>1868</td>
<td>6</td>
<td>2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>14</td>
</tr>
<tr>
<td>1869</td>
<td>2</td>
<td>5</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>5</td>
</tr>
<tr>
<td>1870</td>
<td>2</td>
<td>4</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>10</td>
</tr>
<tr>
<td>1871</td>
<td>2</td>
<td>2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>17</td>
</tr>
<tr>
<td>1872</td>
<td>3</td>
<td>2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>12</td>
</tr>
<tr>
<td>1873</td>
<td>12</td>
<td>7</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>26</td>
</tr>
<tr>
<td>1874</td>
<td>10</td>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>18</td>
</tr>
<tr>
<td>1875</td>
<td>10</td>
<td>5</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>27</td>
</tr>
<tr>
<td>1876</td>
<td>12</td>
<td>9</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>43</td>
</tr>
<tr>
<td>1877</td>
<td>12</td>
<td>8</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>32</td>
</tr>
<tr>
<td>1878</td>
<td>8</td>
<td>2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>19</td>
</tr>
<tr>
<td>1879</td>
<td>6</td>
<td>8</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>23</td>
</tr>
<tr>
<td>1880</td>
<td>3</td>
<td>0</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>8</td>
</tr>
<tr>
<td>1881</td>
<td>3</td>
<td>5</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>28</td>
</tr>
<tr>
<td>1882</td>
<td>2</td>
<td>5</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>24</td>
</tr>
<tr>
<td>1883</td>
<td>3</td>
<td>7</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>19</td>
</tr>
<tr>
<td>1884</td>
<td>5</td>
<td>6</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>36</td>
</tr>
<tr>
<td>1885</td>
<td>4</td>
<td>6</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>27</td>
</tr>
<tr>
<td>1886</td>
<td>9</td>
<td>23</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>59</td>
</tr>
<tr>
<td>1887</td>
<td>10</td>
<td>17</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>58</td>
</tr>
<tr>
<td>1888</td>
<td>11</td>
<td>25</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>77</td>
</tr>
<tr>
<td>1889</td>
<td>15</td>
<td>23</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>75</td>
</tr>
<tr>
<td>1890</td>
<td>25</td>
<td>27</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>102</td>
</tr>
<tr>
<td>1891</td>
<td>17</td>
<td>26</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>103</td>
</tr>
<tr>
<td>1892</td>
<td>22</td>
<td>26</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>133</td>
</tr>
<tr>
<td>1893</td>
<td>25</td>
<td>30</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>129</td>
</tr>
<tr>
<td>1894</td>
<td>21</td>
<td>31</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>138</td>
</tr>
<tr>
<td>1895</td>
<td>25</td>
<td>30</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>145</td>
</tr>
<tr>
<td>1896</td>
<td>26</td>
<td>34</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>189</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Total</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>12</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>1,596</td>
</tr>
</tbody>
</table>

**Deduct names counted twice**

**Net total**

---

*One graduate of Course of Metallurgy in 1876.*
Salaries of Alumni.

The statistics given below were compiled from over five hundred replies, received in answer to circulars sent to all the graduates in each of the twelve classes. In making up the averages, the exact values of salaries above $3,000 have, as far as possible, been used. Courses from which no answers were received have been omitted from the tables.

### Class of '81.

<table>
<thead>
<tr>
<th>Course</th>
<th>$500 to $1,000</th>
<th>$1,000 to $1,500</th>
<th>$1,500 to $2,000</th>
<th>$2,000 to $2,500</th>
<th>$2,500 to $3,000</th>
<th>Over $3,000</th>
<th>Average</th>
</tr>
</thead>
<tbody>
<tr>
<td>I</td>
<td>0</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>$1,250</td>
</tr>
<tr>
<td>III</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>1</td>
<td>3,600</td>
</tr>
<tr>
<td>IV</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>1</td>
<td>0</td>
<td>2,750</td>
</tr>
<tr>
<td>V</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>1,250</td>
</tr>
<tr>
<td>VII</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>750</td>
</tr>
<tr>
<td>Total</td>
<td>2</td>
<td>2</td>
<td>1</td>
<td>0</td>
<td>1</td>
<td>1</td>
<td>1,729</td>
</tr>
</tbody>
</table>

### Class of '83.

<table>
<thead>
<tr>
<th>Course</th>
<th>$500 to $1,000</th>
<th>$1,000 to $1,500</th>
<th>$1,500 to $2,000</th>
<th>$2,000 to $2,500</th>
<th>$2,500 to $3,000</th>
<th>Over $3,000</th>
<th>Average</th>
</tr>
</thead>
<tbody>
<tr>
<td>I</td>
<td>0</td>
<td>0</td>
<td>1</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>$2,000</td>
</tr>
<tr>
<td>II</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>3,000</td>
</tr>
<tr>
<td>III</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>1</td>
<td>2</td>
<td>5,917</td>
</tr>
<tr>
<td>V</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>2,250</td>
</tr>
<tr>
<td>Total</td>
<td>0</td>
<td>0</td>
<td>1</td>
<td>3</td>
<td>2</td>
<td>3</td>
<td>3,667</td>
</tr>
</tbody>
</table>

### Class of '85.

<table>
<thead>
<tr>
<th>Course</th>
<th>$500 to $1,000</th>
<th>$1,000 to $1,500</th>
<th>$1,500 to $2,000</th>
<th>$2,000 to $2,500</th>
<th>$2,500 to $3,000</th>
<th>Over $3,000</th>
<th>Average</th>
</tr>
</thead>
<tbody>
<tr>
<td>I</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>$2,250</td>
</tr>
<tr>
<td>II</td>
<td>0</td>
<td>0</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>1</td>
<td>2,675</td>
</tr>
<tr>
<td>III</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>2</td>
<td>5,750</td>
</tr>
<tr>
<td>V</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>2,250</td>
</tr>
<tr>
<td>VI</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>1</td>
<td>4,000</td>
</tr>
<tr>
<td>Total</td>
<td>0</td>
<td>0</td>
<td>1</td>
<td>2</td>
<td>0</td>
<td>4</td>
<td>3,621</td>
</tr>
</tbody>
</table>

### Class of '87.

<table>
<thead>
<tr>
<th>Course</th>
<th>$500 to $1,000</th>
<th>$1,000 to $1,500</th>
<th>$1,500 to $2,000</th>
<th>$2,000 to $2,500</th>
<th>$2,500 to $3,000</th>
<th>Over $3,000</th>
<th>Average</th>
</tr>
</thead>
<tbody>
<tr>
<td>I</td>
<td>1</td>
<td>0</td>
<td>3</td>
<td>1</td>
<td>2</td>
<td>0</td>
<td>$1,064</td>
</tr>
<tr>
<td>II</td>
<td>0</td>
<td>3</td>
<td>2</td>
<td>4</td>
<td>2</td>
<td>2</td>
<td>2,588</td>
</tr>
<tr>
<td>III</td>
<td>0</td>
<td>1</td>
<td>2</td>
<td>2</td>
<td>0</td>
<td>2</td>
<td>2,107</td>
</tr>
<tr>
<td>V</td>
<td>0</td>
<td>1</td>
<td>2</td>
<td>0</td>
<td>1</td>
<td>1</td>
<td>2,200</td>
</tr>
<tr>
<td>VI</td>
<td>0</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>2</td>
<td>0</td>
<td>2,150</td>
</tr>
<tr>
<td>IX</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>1</td>
<td>1</td>
<td>3,375</td>
</tr>
<tr>
<td>Total</td>
<td>1</td>
<td>6</td>
<td>10</td>
<td>8</td>
<td>10</td>
<td>4</td>
<td>2,237</td>
</tr>
</tbody>
</table>
### SALARIES OF ALUMNI — Continued.

#### Class of '88.

<table>
<thead>
<tr>
<th>Course</th>
<th>$500 to $1,000</th>
<th>$1,000 to $1,500</th>
<th>$1,500 to $2,000</th>
<th>$2,000 to $2,500</th>
<th>$2,500 to $3,000</th>
<th>Over $3,000</th>
<th>Average</th>
</tr>
</thead>
<tbody>
<tr>
<td>I.</td>
<td>0</td>
<td>0</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>0</td>
<td>$2,250</td>
</tr>
<tr>
<td>II.</td>
<td>0</td>
<td>4</td>
<td>2</td>
<td>1</td>
<td>0</td>
<td>2</td>
<td>2,194</td>
</tr>
<tr>
<td>III.</td>
<td>0</td>
<td>1</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>1,500</td>
</tr>
<tr>
<td>IV.</td>
<td>0</td>
<td>0</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>2,938</td>
</tr>
<tr>
<td>V.</td>
<td>0</td>
<td>1</td>
<td>1</td>
<td>2</td>
<td>1</td>
<td>0</td>
<td>2,050</td>
</tr>
<tr>
<td>VI.</td>
<td>0</td>
<td>1</td>
<td>1</td>
<td>0</td>
<td>2</td>
<td>0</td>
<td>2,770</td>
</tr>
<tr>
<td>VII.</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>1</td>
<td>0</td>
<td>2,750</td>
</tr>
<tr>
<td>IX.</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>2,382</td>
</tr>
<tr>
<td>Total</td>
<td>0</td>
<td>7</td>
<td>8</td>
<td>6</td>
<td>4</td>
<td>6</td>
<td></td>
</tr>
</tbody>
</table>

#### Class of '89.

<table>
<thead>
<tr>
<th>Course</th>
<th>$500 to $1,000</th>
<th>$1,000 to $1,500</th>
<th>$1,500 to $2,000</th>
<th>$2,000 to $2,500</th>
<th>$2,500 to $3,000</th>
<th>Over $3,000</th>
<th>Average</th>
</tr>
</thead>
<tbody>
<tr>
<td>I.</td>
<td>0</td>
<td>2</td>
<td>3</td>
<td>0</td>
<td>0</td>
<td>1</td>
<td>$3,625</td>
</tr>
<tr>
<td>II.</td>
<td>0</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>2</td>
<td>1</td>
<td>2,033</td>
</tr>
<tr>
<td>III.</td>
<td>0</td>
<td>1</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>1,750</td>
</tr>
<tr>
<td>IV.</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>2,000</td>
</tr>
<tr>
<td>V.</td>
<td>1</td>
<td>2</td>
<td>1</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>1,450</td>
</tr>
<tr>
<td>VI.</td>
<td>0</td>
<td>3</td>
<td>4</td>
<td>2</td>
<td>0</td>
<td>2</td>
<td>2,114</td>
</tr>
<tr>
<td>Total</td>
<td>1</td>
<td>12</td>
<td>13</td>
<td>9</td>
<td>2</td>
<td>4</td>
<td>2,201</td>
</tr>
</tbody>
</table>

#### Class of '90.

<table>
<thead>
<tr>
<th>Course</th>
<th>$500 to $1,000</th>
<th>$1,000 to $1,500</th>
<th>$1,500 to $2,000</th>
<th>$2,000 to $2,500</th>
<th>$2,500 to $3,000</th>
<th>Over $3,000</th>
<th>Average</th>
</tr>
</thead>
<tbody>
<tr>
<td>I.</td>
<td>2</td>
<td>5</td>
<td>2</td>
<td>3</td>
<td>3</td>
<td>0</td>
<td>$1,750</td>
</tr>
<tr>
<td>II.</td>
<td>0</td>
<td>6</td>
<td>3</td>
<td>2</td>
<td>1</td>
<td>2</td>
<td>1,936</td>
</tr>
<tr>
<td>III.</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>2,750</td>
</tr>
<tr>
<td>IV.</td>
<td>0</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>1,250</td>
</tr>
<tr>
<td>V.</td>
<td>1</td>
<td>3</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>2,250</td>
</tr>
<tr>
<td>VI.</td>
<td>0</td>
<td>0</td>
<td>3</td>
<td>1</td>
<td>1</td>
<td>0</td>
<td>2,050</td>
</tr>
<tr>
<td>VII.</td>
<td>0</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>1</td>
<td>1,250</td>
</tr>
<tr>
<td>VIII.</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>1</td>
<td>0</td>
<td>2,750</td>
</tr>
<tr>
<td>IX.</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>1,250</td>
</tr>
<tr>
<td>Total</td>
<td>3</td>
<td>17</td>
<td>8</td>
<td>6</td>
<td>7</td>
<td>4</td>
<td>1,919</td>
</tr>
</tbody>
</table>

#### Class of '91.

<table>
<thead>
<tr>
<th>Course</th>
<th>$500 to $1,000</th>
<th>$1,000 to $1,500</th>
<th>$1,500 to $2,000</th>
<th>$2,000 to $2,500</th>
<th>$2,500 to $3,000</th>
<th>Over $3,000</th>
<th>Average</th>
</tr>
</thead>
<tbody>
<tr>
<td>I.</td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>$1,536</td>
</tr>
<tr>
<td>II.</td>
<td>1</td>
<td>5</td>
<td>4</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>1,400</td>
</tr>
<tr>
<td>III.</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>2,250</td>
</tr>
<tr>
<td>IV.</td>
<td>0</td>
<td>3</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>1,250</td>
</tr>
<tr>
<td>V.</td>
<td>1</td>
<td>1</td>
<td>3</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>1,450</td>
</tr>
<tr>
<td>VI.</td>
<td>1</td>
<td>4</td>
<td>3</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>1,472</td>
</tr>
<tr>
<td>VII.</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>750</td>
</tr>
<tr>
<td>VIII.</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>2,700</td>
</tr>
<tr>
<td>IX.</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>1,250</td>
</tr>
<tr>
<td>Total</td>
<td>6</td>
<td>17</td>
<td>15</td>
<td>4</td>
<td>1</td>
<td>1</td>
<td>1,540</td>
</tr>
</tbody>
</table>
### SALARIES OF ALUMNI—Continued.

#### Class of '92.

<table>
<thead>
<tr>
<th>Course</th>
<th>$500 to $1,000</th>
<th>$1,000 to $1,500</th>
<th>$1,500 to $2,000</th>
<th>$2,000 to $2,500</th>
<th>$2,500 to $3,000</th>
<th>Over $3,000</th>
<th>Average,</th>
</tr>
</thead>
<tbody>
<tr>
<td>I.</td>
<td>3</td>
<td>4</td>
<td>2</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>$1,194</td>
</tr>
<tr>
<td>II.</td>
<td>3</td>
<td>7</td>
<td>4</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>1,383</td>
</tr>
<tr>
<td>III.</td>
<td>0</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>1,250</td>
</tr>
<tr>
<td>IV.</td>
<td>2</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>1,083</td>
</tr>
<tr>
<td>V.</td>
<td>0</td>
<td>0</td>
<td>3</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>2,000</td>
</tr>
<tr>
<td>VI.</td>
<td>2</td>
<td>7</td>
<td>5</td>
<td>0</td>
<td>2</td>
<td>0</td>
<td>1,531</td>
</tr>
<tr>
<td>VII.</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>1,000</td>
</tr>
<tr>
<td>IX.</td>
<td>0</td>
<td>2</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>1,250</td>
</tr>
<tr>
<td>X.</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>1</td>
<td>0</td>
<td>2,250</td>
</tr>
<tr>
<td>XI.</td>
<td>0</td>
<td>3</td>
<td>1</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>1,550</td>
</tr>
<tr>
<td>Total,</td>
<td>11</td>
<td>25</td>
<td>17</td>
<td>1</td>
<td>5</td>
<td>0</td>
<td>1,445</td>
</tr>
</tbody>
</table>

#### Class of '93.

<table>
<thead>
<tr>
<th>Course</th>
<th>$500 to $1,000</th>
<th>$1,000 to $1,500</th>
<th>$1,500 to $2,000</th>
<th>$2,000 to $2,500</th>
<th>$2,500 to $3,000</th>
<th>Over $3,000</th>
<th>Average,</th>
</tr>
</thead>
<tbody>
<tr>
<td>I.</td>
<td>6</td>
<td>9</td>
<td>5</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>$1,225</td>
</tr>
<tr>
<td>II.</td>
<td>3</td>
<td>2</td>
<td>3</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>1,250</td>
</tr>
<tr>
<td>III.</td>
<td>2</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>750</td>
</tr>
<tr>
<td>IV.</td>
<td>2</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>917</td>
</tr>
<tr>
<td>VI.</td>
<td>11</td>
<td>5</td>
<td>0</td>
<td>1</td>
<td>2</td>
<td>0</td>
<td>1,171</td>
</tr>
<tr>
<td>IX.</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>1,750</td>
</tr>
<tr>
<td>X.</td>
<td>0</td>
<td>4</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>1,250</td>
</tr>
<tr>
<td>XII.</td>
<td>0</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>1,190</td>
</tr>
<tr>
<td>Total,</td>
<td>24</td>
<td>22</td>
<td>9</td>
<td>1</td>
<td>2</td>
<td>0</td>
<td>1,190</td>
</tr>
</tbody>
</table>

#### Class of '94.

<table>
<thead>
<tr>
<th>Course</th>
<th>$500 to $1,000</th>
<th>$1,000 to $1,500</th>
<th>$1,500 to $2,000</th>
<th>$2,000 to $2,500</th>
<th>$2,500 to $3,000</th>
<th>Over $3,000</th>
<th>Average,</th>
</tr>
</thead>
<tbody>
<tr>
<td>I.</td>
<td>4</td>
<td>5</td>
<td>2</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>$1,230</td>
</tr>
<tr>
<td>II.</td>
<td>7</td>
<td>4</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>1,600</td>
</tr>
<tr>
<td>III.</td>
<td>0</td>
<td>2</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>1,250</td>
</tr>
<tr>
<td>IV.</td>
<td>0</td>
<td>1</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>1,500</td>
</tr>
<tr>
<td>V.</td>
<td>3</td>
<td>2</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>1,083</td>
</tr>
<tr>
<td>VI.</td>
<td>6</td>
<td>3</td>
<td>2</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>1,068</td>
</tr>
<tr>
<td>IX.</td>
<td>0</td>
<td>1</td>
<td>2</td>
<td>0</td>
<td>1</td>
<td>0</td>
<td>2,666</td>
</tr>
<tr>
<td>X.</td>
<td>3</td>
<td>2</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>1,083</td>
</tr>
<tr>
<td>XI.</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>750</td>
</tr>
<tr>
<td>Total,</td>
<td>24</td>
<td>20</td>
<td>8</td>
<td>2</td>
<td>1</td>
<td>0</td>
<td>1,200</td>
</tr>
</tbody>
</table>

#### Class of '95.

<table>
<thead>
<tr>
<th>Course</th>
<th>$500 to $1,000</th>
<th>$1,000 to $1,500</th>
<th>$1,500 to $2,000</th>
<th>$2,000 to $2,500</th>
<th>$2,500 to $3,000</th>
<th>Over $3,000</th>
<th>Average,</th>
</tr>
</thead>
<tbody>
<tr>
<td>I.</td>
<td>9</td>
<td>4</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>$904</td>
</tr>
<tr>
<td>II.</td>
<td>11</td>
<td>2</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>893</td>
</tr>
<tr>
<td>III.</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>750</td>
</tr>
<tr>
<td>IV.</td>
<td>2</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>917</td>
</tr>
<tr>
<td>V.</td>
<td>1</td>
<td>3</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>1,125</td>
</tr>
<tr>
<td>VI.</td>
<td>7</td>
<td>3</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>900</td>
</tr>
<tr>
<td>VIII.</td>
<td>0</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>1,550</td>
</tr>
<tr>
<td>IX.</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>750</td>
</tr>
<tr>
<td>X.</td>
<td>4</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>750</td>
</tr>
<tr>
<td>XI.</td>
<td>2</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>917</td>
</tr>
<tr>
<td>XII.</td>
<td>0</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>1,350</td>
</tr>
<tr>
<td>Total,</td>
<td>38</td>
<td>16</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>914</td>
</tr>
</tbody>
</table>

271
<table>
<thead>
<tr>
<th>Name</th>
<th>Location</th>
<th>Founded</th>
<th>President</th>
<th>Stud'ts.</th>
<th>Inst'r's.</th>
<th>Colors</th>
<th>Annual</th>
</tr>
</thead>
<tbody>
<tr>
<td>Albion</td>
<td>Albion, Mich.</td>
<td>1850</td>
<td>Lewis R. Fiske, D.D., LL.D.</td>
<td>450</td>
<td>28</td>
<td>Pink and Green</td>
<td>Saga</td>
</tr>
<tr>
<td>Amherst</td>
<td>Amherst, Mass.</td>
<td>1821</td>
<td>Merrill Edwards Gates</td>
<td>425</td>
<td>35</td>
<td>Purple and White</td>
<td>The Ohio</td>
</tr>
<tr>
<td>Armstrong Institute</td>
<td>Chicago, Ill.</td>
<td>1861</td>
<td>F. W. Gunsaulus, D.D.</td>
<td>1126</td>
<td>38</td>
<td>Yellow and Black</td>
<td></td>
</tr>
<tr>
<td>Atlanta University</td>
<td>Atlanta, Ga.</td>
<td>1870</td>
<td>Rev. Horace Bumstead, D.D.</td>
<td>205</td>
<td>23</td>
<td>Cardinal Red and Steel Gray</td>
<td></td>
</tr>
<tr>
<td>Barnard</td>
<td>New York, N.Y.</td>
<td>1889</td>
<td>Emily James Smith, A.B., Dean.</td>
<td>190</td>
<td>32</td>
<td>Blue and White</td>
<td></td>
</tr>
<tr>
<td>Boston University</td>
<td>Boston, Mass.</td>
<td>1869</td>
<td>William Fairfield Warren, LL.D.</td>
<td>1337</td>
<td>114</td>
<td>Scarlet and White</td>
<td></td>
</tr>
<tr>
<td>Bowdoin</td>
<td>Brunswick, Me.</td>
<td>1794</td>
<td>William De Witt Hyde, D.D.</td>
<td>377</td>
<td>32</td>
<td>White</td>
<td></td>
</tr>
<tr>
<td>Bryn Mawr</td>
<td>Bryn Mawr, Pa.</td>
<td>1880</td>
<td>M. Carey Thomas, Ph.D.</td>
<td>290</td>
<td>41</td>
<td>Yellow and White</td>
<td></td>
</tr>
<tr>
<td>Buchtel</td>
<td>Akron, Ohio</td>
<td>1879</td>
<td>Prof. C. M. Knight, Acting.</td>
<td>200</td>
<td>16</td>
<td>Navy Blue and Old Gold</td>
<td></td>
</tr>
<tr>
<td>Colby University</td>
<td>Waterville, Me.</td>
<td>1820</td>
<td>Nathaniel Butler, D.D.</td>
<td>245</td>
<td>17</td>
<td>Blue and Gray</td>
<td></td>
</tr>
<tr>
<td>Colgate University</td>
<td>Hamilton, N.Y.</td>
<td>1818</td>
<td>George William Smith, A.B., LL.B., LL.D.</td>
<td>165</td>
<td>21</td>
<td>Yellow and Maroon</td>
<td></td>
</tr>
<tr>
<td>College of William and Mary</td>
<td>Williamsburg, Va.</td>
<td>1693</td>
<td>Lyon G. Tyler</td>
<td>142</td>
<td>9</td>
<td>Orange and White</td>
<td></td>
</tr>
<tr>
<td>Colorado College</td>
<td>Colorado Springs, Colo.</td>
<td>1874</td>
<td>William F. Slocum, Jr., LL.D.</td>
<td>390</td>
<td>33</td>
<td>Orange and Black</td>
<td></td>
</tr>
<tr>
<td>Columbia University</td>
<td>New York, N.Y.</td>
<td>1754</td>
<td>Seth Low</td>
<td>1858</td>
<td>289</td>
<td>Light Blue and White</td>
<td></td>
</tr>
<tr>
<td>Cornell University</td>
<td>Ithaca, N.Y.</td>
<td>1865</td>
<td>Jacob Gould Schurman, D.Sc., LL.D.</td>
<td>175</td>
<td>171</td>
<td>Carnelian and White</td>
<td></td>
</tr>
<tr>
<td>Dartmouth</td>
<td>Hanover, N.H.</td>
<td>1769</td>
<td>William Jewett Tucker</td>
<td>620</td>
<td>48</td>
<td>Green and White</td>
<td></td>
</tr>
<tr>
<td>De Pauw University</td>
<td>Greencastle, Ind.</td>
<td>1837</td>
<td>Rev. Hillary A. Gobin, D.D.</td>
<td>709</td>
<td>35</td>
<td>Gold</td>
<td></td>
</tr>
<tr>
<td>Dickinson</td>
<td>Carlisle, Pa.</td>
<td>1793</td>
<td>George Edward Reed</td>
<td>380</td>
<td>24</td>
<td>Red and White</td>
<td></td>
</tr>
<tr>
<td>Drury</td>
<td>Springfield, Mo.</td>
<td>1873</td>
<td>Homer T. Fuller</td>
<td>250</td>
<td>15</td>
<td>Scarlet and Gray</td>
<td></td>
</tr>
<tr>
<td>Fisk University</td>
<td>Nashville, Tenn.</td>
<td>1869</td>
<td>Rev. Erastus Milo Cravath, D.D.</td>
<td>449</td>
<td>31</td>
<td>Blue and Old Gold</td>
<td></td>
</tr>
<tr>
<td>Franklin and Marshall</td>
<td>Lancaster, Pa.</td>
<td>1852</td>
<td>John S. Stahr, Ph.D., D.D.</td>
<td>168</td>
<td>13</td>
<td>White and Blue</td>
<td></td>
</tr>
<tr>
<td>Girard University</td>
<td>Philadelphia, Pa.</td>
<td>1856</td>
<td>Steel and Garnett, Ph.D., LL.D.</td>
<td>130</td>
<td>65</td>
<td>Steel and Garnet</td>
<td></td>
</tr>
<tr>
<td>Hamilton</td>
<td>Clinton, N.Y.</td>
<td>1812</td>
<td>M. W. Stryker</td>
<td>145</td>
<td>18</td>
<td>Blue and Buff</td>
<td></td>
</tr>
<tr>
<td>Hobart</td>
<td>Geneva, N.Y.</td>
<td>1825</td>
<td>Prof. Wm. P. Durfee, Ph.D., Dean.</td>
<td>82</td>
<td>18</td>
<td>Orange and Royal Purple</td>
<td></td>
</tr>
<tr>
<td>Iowa</td>
<td>Grinnell, Iowa.</td>
<td>1847</td>
<td>George A. Gates</td>
<td>525</td>
<td>30</td>
<td>Scarlet and Black</td>
<td>The Cyclone</td>
</tr>
<tr>
<td>Johns Hopkins University</td>
<td>Baltimore, Md.</td>
<td>1870</td>
<td>Daniel C. Gilman</td>
<td>514</td>
<td>110</td>
<td>Black and Old Gold</td>
<td>The Hullabaloo</td>
</tr>
<tr>
<td>Kentucky University</td>
<td>Lexington, Ky.</td>
<td>1836</td>
<td>Charles Louis Loos</td>
<td>750</td>
<td>24</td>
<td>Orange and Blue</td>
<td>The Melange</td>
</tr>
<tr>
<td>Lafayette</td>
<td>Easton, Pa.</td>
<td>1826</td>
<td>Ethelbert D. Wurfield, LL.D.</td>
<td>314</td>
<td>25</td>
<td>Maroon and White</td>
<td>Epilone</td>
</tr>
<tr>
<td>Lehigh University</td>
<td>South Bethlehem, Pa.</td>
<td>1866</td>
<td>Thomas Messinger Drown, LL.D.</td>
<td>395</td>
<td>40</td>
<td>Brown and White</td>
<td>Stanford Quad</td>
</tr>
<tr>
<td>Leland Stanford, Jr., University</td>
<td>Stanford University, Cal.</td>
<td>1864</td>
<td>David Starr Jordan</td>
<td>1085</td>
<td>80</td>
<td>Cardinal</td>
<td>The Prism</td>
</tr>
<tr>
<td>Maine State College</td>
<td>Orono, Me.</td>
<td>1865</td>
<td>A. W. Harris, Sc.D.</td>
<td>316</td>
<td>34</td>
<td>Light Blue</td>
<td></td>
</tr>
<tr>
<td>Marietta</td>
<td>Marietta, Ohio.</td>
<td>1835</td>
<td>J. H. Chamberlin, Dean</td>
<td>243</td>
<td>20</td>
<td>Blue and White</td>
<td></td>
</tr>
<tr>
<td>Middlebury</td>
<td>Middlebury, Vt.</td>
<td>1800</td>
<td>Ezra Brainerd, D.D., LL.D.</td>
<td>111</td>
<td>10</td>
<td>Blue and White</td>
<td></td>
</tr>
<tr>
<td>Mr. Holyoke</td>
<td>South Hadley, Mass.</td>
<td>1837</td>
<td>Elizabeth Storrs Mead, A.M.</td>
<td>335</td>
<td>37</td>
<td>Blue</td>
<td>Kaleidoscope</td>
</tr>
<tr>
<td>Niagara University</td>
<td>Niagara Falls, N.Y.</td>
<td>1856</td>
<td>Rev. P. MacHale, C.M.</td>
<td>200</td>
<td>25</td>
<td>Purple and White</td>
<td>The Violet</td>
</tr>
<tr>
<td>Northwestern University</td>
<td>Evanston, Ill.</td>
<td>1851</td>
<td>Henry Wade Rogers</td>
<td>2377</td>
<td>223</td>
<td>Royal Purple</td>
<td>Niagara Index</td>
</tr>
<tr>
<td>Oberlin</td>
<td>Oberlin, Ohio.</td>
<td>1833</td>
<td>James H. Fairchild</td>
<td>1411</td>
<td>88</td>
<td>Crimson and Gold</td>
<td>The Syllabus</td>
</tr>
<tr>
<td>Ohio State University</td>
<td>Columbus, Ohio.</td>
<td>1870</td>
<td>James H. Casmer</td>
<td>1500</td>
<td>83</td>
<td>Scarlet and Gray</td>
<td>Hi-O-Hi</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Colors</th>
<th>Annual</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pink and Green</td>
<td>Saga</td>
</tr>
<tr>
<td>Purple and White</td>
<td>The Ohio</td>
</tr>
<tr>
<td>Yellow and Black</td>
<td></td>
</tr>
<tr>
<td>Cardinal Red and Steel Gray</td>
<td></td>
</tr>
<tr>
<td>Blue and White</td>
<td></td>
</tr>
<tr>
<td>Scarlet and White</td>
<td></td>
</tr>
<tr>
<td>White</td>
<td></td>
</tr>
<tr>
<td>Brown and White</td>
<td></td>
</tr>
<tr>
<td>Yellow and White</td>
<td></td>
</tr>
<tr>
<td>Navy Blue and Old Gold</td>
<td></td>
</tr>
<tr>
<td>Blue and Gray</td>
<td></td>
</tr>
<tr>
<td>Yellow and Maroon</td>
<td></td>
</tr>
<tr>
<td>Orange and White</td>
<td></td>
</tr>
<tr>
<td>Orange and Black</td>
<td></td>
</tr>
<tr>
<td>Light Blue and White</td>
<td></td>
</tr>
<tr>
<td>Carnelian and White</td>
<td></td>
</tr>
<tr>
<td>Green and White</td>
<td></td>
</tr>
<tr>
<td>Gold</td>
<td></td>
</tr>
<tr>
<td>Red and White</td>
<td></td>
</tr>
<tr>
<td>Scarlet and Gray</td>
<td></td>
</tr>
<tr>
<td>Blue and Old Gold</td>
<td></td>
</tr>
<tr>
<td>White and Blue</td>
<td></td>
</tr>
<tr>
<td>Steel and Garnet</td>
<td></td>
</tr>
<tr>
<td>Blue and Buff</td>
<td></td>
</tr>
<tr>
<td>Crimson</td>
<td></td>
</tr>
<tr>
<td>Orange and Royal Purple</td>
<td></td>
</tr>
<tr>
<td>Scarlet and Black</td>
<td>The Cyclone</td>
</tr>
<tr>
<td>Black and Old Gold</td>
<td>The Hullabaloo</td>
</tr>
<tr>
<td>Orange and Blue</td>
<td>The Melange</td>
</tr>
<tr>
<td>Maroon and White</td>
<td>Epilone</td>
</tr>
<tr>
<td>Brown and White</td>
<td>Stanford Quad</td>
</tr>
<tr>
<td>Cardinal</td>
<td>The Prism</td>
</tr>
<tr>
<td>Light Blue</td>
<td></td>
</tr>
<tr>
<td>Blue and White</td>
<td></td>
</tr>
<tr>
<td>Cardinal Red and Silver Gray</td>
<td></td>
</tr>
<tr>
<td>Blue and White</td>
<td></td>
</tr>
<tr>
<td>Blue</td>
<td>Kaleidoscope</td>
</tr>
<tr>
<td>Lloronado</td>
<td></td>
</tr>
<tr>
<td>The Mahlenberg</td>
<td></td>
</tr>
<tr>
<td>Violet</td>
<td></td>
</tr>
<tr>
<td>Purple and White</td>
<td></td>
</tr>
<tr>
<td>Royal Purple</td>
<td></td>
</tr>
<tr>
<td>Crimson and Gold</td>
<td></td>
</tr>
<tr>
<td>Scarlet and Gray</td>
<td></td>
</tr>
</tbody>
</table>
## COLLEGE STATISTICS.—Continued.

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Pratt Institute</td>
<td>Brooklyn, N.Y.</td>
<td>1877</td>
<td>Charles M. Pratt</td>
<td>3000</td>
<td>150</td>
<td>Cadmium Yellow.</td>
<td>The Exponent.</td>
</tr>
<tr>
<td>Purdue University</td>
<td>Lafayette, Ind.</td>
<td>1874</td>
<td>James Henry Smart</td>
<td>696</td>
<td>59</td>
<td>Black and Gold.</td>
<td>Rose Technic.</td>
</tr>
<tr>
<td>Radcliffe</td>
<td>Cambridge, Mass.</td>
<td>1878</td>
<td>Elizabeth C. Agassiz</td>
<td>357</td>
<td>96</td>
<td></td>
<td>The Scarlet Letter.</td>
</tr>
<tr>
<td>Rose Polytechnic Institute</td>
<td>Terre Haute, Ind.</td>
<td>1863</td>
<td>C. Leo Mees</td>
<td>125</td>
<td>21</td>
<td>Rose and White.</td>
<td>The Onondagon.</td>
</tr>
<tr>
<td>Rutgers</td>
<td>New Brunswick, N. J.</td>
<td>1795</td>
<td>Austin Scott, Ph.D., LL.D.</td>
<td>108</td>
<td>27</td>
<td>Scarlet.</td>
<td>The Ivy.</td>
</tr>
<tr>
<td>Trinity</td>
<td>Hartford, Conn.</td>
<td>1823</td>
<td>George Williamson Smith</td>
<td>131</td>
<td>15</td>
<td>Blue and Gold.</td>
<td>Garnet.</td>
</tr>
<tr>
<td>U. S. Naval Academy</td>
<td>Annapolis, Md.</td>
<td>1845</td>
<td>Philip H. Cooper, Capt. U. S. N.</td>
<td>2250</td>
<td>225</td>
<td></td>
<td>Mound Olympus.</td>
</tr>
<tr>
<td>University of Denver</td>
<td>Denver, Colo.</td>
<td>1864</td>
<td>Wm. F. McDowell</td>
<td>541</td>
<td>93</td>
<td>Red and Gold.</td>
<td>The Sombrero.</td>
</tr>
<tr>
<td>University of Illinois</td>
<td>Urbana, Ill.</td>
<td>1869</td>
<td>Andrew S. Draper, LL.D.</td>
<td>1080</td>
<td>114</td>
<td>Navy Blue and Orange.</td>
<td>Class Record.</td>
</tr>
<tr>
<td>University of Minnesota</td>
<td>Minneapolis, Minn.</td>
<td>1850</td>
<td>Philip H. Cooper, Capt. U. S. N.</td>
<td>257</td>
<td>25</td>
<td>Maroon and Old Gold.</td>
<td>The Cactus.</td>
</tr>
<tr>
<td>University of Mississippi</td>
<td>University, Miss.</td>
<td>1848</td>
<td>Robert B. Fulton</td>
<td>285</td>
<td>16</td>
<td>Royal Purple.</td>
<td>Corks and Carls.</td>
</tr>
<tr>
<td>University of Nebraska</td>
<td>Lincoln, Neb.</td>
<td>1869</td>
<td>George Edwin MacLean, LL.D.</td>
<td>1596</td>
<td>101</td>
<td>Scarlet and Cream.</td>
<td>Vassarion.</td>
</tr>
<tr>
<td>University of the South</td>
<td>Sewanee, Tenn.</td>
<td>1857</td>
<td>B. Lawton Wiggins</td>
<td>450</td>
<td>28</td>
<td>Old Gold and White.</td>
<td>Calender.</td>
</tr>
<tr>
<td>University of Texas</td>
<td>Austin, Texas.</td>
<td>1835</td>
<td>George T. Winstrom</td>
<td>450</td>
<td>46</td>
<td>Orange and Blue.</td>
<td>Olla Podrida.</td>
</tr>
<tr>
<td>University of Virginia</td>
<td>Charlottesville, Va.</td>
<td>1832</td>
<td>P. B. Banniger, M.D.</td>
<td>537</td>
<td>50</td>
<td>Rose and Gray.</td>
<td>Chick-a-go-Runk.</td>
</tr>
<tr>
<td>University of Wisconsin</td>
<td>Madison, Wis.</td>
<td>1846</td>
<td>Charles Kendall Adams</td>
<td>223</td>
<td>17</td>
<td>White and Blue.</td>
<td>Catalogue.</td>
</tr>
<tr>
<td>Washington University</td>
<td>St. Louis, Mo.</td>
<td>1853</td>
<td>W. S. Chaplin</td>
<td>721</td>
<td>77</td>
<td>Red and Black.</td>
<td>Tole Banner.</td>
</tr>
<tr>
<td>Western Maryland</td>
<td>Westminster, Md.</td>
<td>1869</td>
<td>Thomas Hamilton Lewis</td>
<td>352</td>
<td>30</td>
<td>Crimson and Steel Gray.</td>
<td></td>
</tr>
<tr>
<td>Williams</td>
<td>Williamstown, Mass.</td>
<td>1795</td>
<td>Royal Purple</td>
<td>220</td>
<td>32</td>
<td>Black and Old Gold.</td>
<td></td>
</tr>
<tr>
<td>Weston Polytechnic Institute</td>
<td>Worcester, Mass.</td>
<td>1868</td>
<td>Thomas Corwin Mendenhall</td>
<td>450</td>
<td>20</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Wooster University</td>
<td>Wooster, Ohio.</td>
<td>1896</td>
<td>Rev. S. F. Scovel</td>
<td>2495</td>
<td>238</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Yale University</td>
<td>New Haven, Conn.</td>
<td>1701</td>
<td>Timothy Dwight</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### Tables Showing Number of Hours Inside and Outside Preparation of the Several Courses.

<table>
<thead>
<tr>
<th>COURSE</th>
<th>PREPAR'TN</th>
<th>FIRST YEAR</th>
<th>SECOND YEAR</th>
<th>THIRD YEAR</th>
<th>FOURTH YEAR</th>
<th>TOTALS</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>First Term</td>
<td>Second Term</td>
<td>First Term</td>
<td>Second Term</td>
<td>First Term</td>
</tr>
<tr>
<td>I</td>
<td>Inside</td>
<td>330</td>
<td>400</td>
<td>385</td>
<td>300</td>
<td>275</td>
</tr>
<tr>
<td></td>
<td>Outside</td>
<td>390</td>
<td>335</td>
<td>320</td>
<td>325</td>
<td>345</td>
</tr>
<tr>
<td>II</td>
<td>Inside</td>
<td>330</td>
<td>400</td>
<td>360</td>
<td>415</td>
<td>370</td>
</tr>
<tr>
<td></td>
<td>Outside</td>
<td>390</td>
<td>335</td>
<td>315</td>
<td>360</td>
<td>350</td>
</tr>
<tr>
<td>III</td>
<td>Inside</td>
<td>330</td>
<td>400</td>
<td>3145</td>
<td>360</td>
<td>305</td>
</tr>
<tr>
<td></td>
<td>Outside</td>
<td>390</td>
<td>335</td>
<td>3230</td>
<td>315</td>
<td>240</td>
</tr>
<tr>
<td>IV</td>
<td>Inside</td>
<td>330</td>
<td>415</td>
<td>385</td>
<td>425</td>
<td>395</td>
</tr>
<tr>
<td></td>
<td>Outside</td>
<td>390</td>
<td>375</td>
<td>390</td>
<td>335</td>
<td>330</td>
</tr>
<tr>
<td>V</td>
<td>Inside</td>
<td>330</td>
<td>400</td>
<td>3145</td>
<td>270</td>
<td>540</td>
</tr>
<tr>
<td></td>
<td>Outside</td>
<td>390</td>
<td>335</td>
<td>3230</td>
<td>330</td>
<td>290</td>
</tr>
<tr>
<td>VI</td>
<td>Inside</td>
<td>330</td>
<td>400</td>
<td>305</td>
<td>345</td>
<td>305</td>
</tr>
<tr>
<td></td>
<td>Outside</td>
<td>390</td>
<td>335</td>
<td>315</td>
<td>345</td>
<td>415</td>
</tr>
<tr>
<td>VII</td>
<td>Inside</td>
<td>330</td>
<td>395</td>
<td>375</td>
<td>405</td>
<td>300</td>
</tr>
<tr>
<td></td>
<td>Outside</td>
<td>390</td>
<td>335</td>
<td>320</td>
<td>280</td>
<td>310</td>
</tr>
<tr>
<td>VIII</td>
<td>Inside</td>
<td>330</td>
<td>400</td>
<td>360</td>
<td>300</td>
<td>1300</td>
</tr>
<tr>
<td></td>
<td>Outside</td>
<td>300</td>
<td>335</td>
<td>380</td>
<td>300</td>
<td>1300</td>
</tr>
<tr>
<td>IX</td>
<td>Inside</td>
<td>330</td>
<td>355</td>
<td>240</td>
<td>255</td>
<td>285</td>
</tr>
<tr>
<td></td>
<td>Outside</td>
<td>390</td>
<td>305</td>
<td>300</td>
<td>285</td>
<td>475</td>
</tr>
<tr>
<td>X</td>
<td>Inside</td>
<td>330</td>
<td>400</td>
<td>360</td>
<td>375</td>
<td>375</td>
</tr>
<tr>
<td></td>
<td>Outside</td>
<td>390</td>
<td>335</td>
<td>315</td>
<td>345</td>
<td>355</td>
</tr>
<tr>
<td>XI</td>
<td>Inside</td>
<td>330</td>
<td>400</td>
<td>325</td>
<td>330</td>
<td>365</td>
</tr>
<tr>
<td></td>
<td>Outside</td>
<td>390</td>
<td>335</td>
<td>300</td>
<td>330</td>
<td>330</td>
</tr>
<tr>
<td>XII</td>
<td>Inside</td>
<td>330</td>
<td>385</td>
<td>450</td>
<td>420</td>
<td>435</td>
</tr>
<tr>
<td></td>
<td>Outside</td>
<td>390</td>
<td>305</td>
<td>255</td>
<td>270</td>
<td>270</td>
</tr>
<tr>
<td>XIII</td>
<td>Inside</td>
<td>330</td>
<td>400</td>
<td>360</td>
<td>345</td>
<td>340</td>
</tr>
<tr>
<td></td>
<td>Outside</td>
<td>390</td>
<td>335</td>
<td>315</td>
<td>330</td>
<td>380</td>
</tr>
</tbody>
</table>

**Note:** The first option alone is reckoned in the totals. Of the optional studies, the first of 2 or 3, and the first and second of 4 or 5, are used in compiling the tables.
I. CIVIL ENGINEERING.
II. MECHANICAL ENGINEERING.
III. MINING ENGINEERING.
IV. ARCHITECTURE.
V. CHEMISTRY.
VI. ELECTRICAL ENGINEERING.
VII. BIOLOGY.
VIII. PHYSICS.
IX. GENERAL STUDIES.
X. CHEMICAL ENGINEERING.
XI. SANITARY ENGINEERING.
XII. GEOLOGY.
XIII. NAVAL ARCHITECTURE.
For residence addresses in suburban parts of Boston the following abbreviations are used:

A. Allston.
B. Brighton.
C. Charlestown.
D. Dorchester.
E. B. East Boston.
J. P. Jamaica Plain.
M. Mattapan.
N. Neponset.
S. B. South Boston.
R. Roxbury.
Ros. Roslindale.
W. R. West Roxbury.
## Register of Students.

<table>
<thead>
<tr>
<th>Name and Fraternity</th>
<th>Course</th>
<th>Class</th>
<th>Home Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>Abell, David Gustavus</td>
<td>I</td>
<td>'99</td>
<td>Catskill, N. Y.</td>
</tr>
<tr>
<td>Adams, Burton Alden</td>
<td>II</td>
<td>'98</td>
<td>Essex, Mass.</td>
</tr>
<tr>
<td>Adams, George Orlando</td>
<td>V</td>
<td>'00</td>
<td>North Andover, Mass.</td>
</tr>
<tr>
<td>Adams, John Howard</td>
<td>IV</td>
<td>'99</td>
<td>351 Broadway, Pawtucket, R. I.</td>
</tr>
<tr>
<td>Albee, Edward Everett</td>
<td>I</td>
<td>'99</td>
<td>160 West Concord St., Boston.</td>
</tr>
<tr>
<td>Albee, Herbert Harper</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Albin, Henry Allison</td>
<td>VI</td>
<td>'00</td>
<td>Wollaston, Mass.</td>
</tr>
<tr>
<td>Alden, John Trott</td>
<td>II</td>
<td>'97</td>
<td>547 Centre St., Newton, Mass.</td>
</tr>
<tr>
<td>Alexander, Donald Nelson</td>
<td>IV</td>
<td>'98</td>
<td>33 Falcon St., East Boston, Mass.</td>
</tr>
<tr>
<td>Alland, Leon</td>
<td>I</td>
<td>'98</td>
<td>8 Gaston St., Roxbury, Mass.</td>
</tr>
<tr>
<td>Allen, Elbert Grover</td>
<td>II</td>
<td>'00</td>
<td>East Bridgewater, Mass.</td>
</tr>
<tr>
<td>Allen, James Walter</td>
<td>VI</td>
<td>'99</td>
<td>Foster St., Newtonville, Mass.</td>
</tr>
<tr>
<td>Allen, Lucy Mabel</td>
<td>S</td>
<td>'12</td>
<td>Wennehus Ave., Lynn, Mass.</td>
</tr>
<tr>
<td>Allen, William Henry, Jr.</td>
<td>XIII</td>
<td>'96</td>
<td>293 Commonwealth Ave., Boston.</td>
</tr>
<tr>
<td>Allen, William Russell, Jr., E. A.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Alllyn, Robert</td>
<td>V</td>
<td>'00</td>
<td>Pittsfield, Mass.</td>
</tr>
<tr>
<td>Ames, Joseph William</td>
<td>II</td>
<td>'98</td>
<td>4 Front St., New London, Conn.</td>
</tr>
<tr>
<td>Anderson, Charles Louis Bates</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Anderson, Robert, Ph. B.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Anderson, Robert Peter</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Andrews, George Frederick, A. M.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Angus, William Jackson, A. T. A.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Anthony, George R., A. B. E.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Archibald, Warren Martin</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Arnold, Lyman</td>
<td>VI</td>
<td>'97</td>
<td>6 The Ortg, Cincinnati, Ohio.</td>
</tr>
<tr>
<td>Ashley, George Francis</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ashley, Harrison Everett</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Atwood, Alfred James</td>
<td>I</td>
<td>'97</td>
<td>362 Cross St., Malden, Mass.</td>
</tr>
<tr>
<td>Atwood, George Desler</td>
<td>V</td>
<td>'99</td>
<td>Danville, Vt.</td>
</tr>
<tr>
<td>Atwood, Thomas Clark</td>
<td>II</td>
<td>'00</td>
<td>11 Forest St., Roxbury, Mass.</td>
</tr>
<tr>
<td>Ayer, Harold Osgood</td>
<td>IV</td>
<td>'98</td>
<td>Dudley St., Newton Centre.</td>
</tr>
<tr>
<td>Ayers, Frederic Chersley</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ayres, Milan Valentine</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Babbit, Albert Lyman</td>
<td>I</td>
<td>'99</td>
<td>10 Morton St., Somerville, Mass.</td>
</tr>
<tr>
<td>Babcock, Henry Kimberly, 0. E.</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

278
<table>
<thead>
<tr>
<th>NAME AND FRATERNITY</th>
<th>COURSE</th>
<th>CLASS</th>
<th>HOME ADDRESS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Babcock, Paul Aldrich</td>
<td>I</td>
<td>'00</td>
<td>East Milton, Mass.</td>
</tr>
<tr>
<td>Babson, Roger Ward</td>
<td>I</td>
<td>'98</td>
<td>8 Angel St., Gloucester, Mass.</td>
</tr>
<tr>
<td>Bacon, Charles James</td>
<td>VI</td>
<td>'00</td>
<td>Winthrop, Mass.</td>
</tr>
<tr>
<td>Bacon, Lyman Edward</td>
<td>I</td>
<td>'98</td>
<td>State Farm, Bridgewater, Mass.</td>
</tr>
<tr>
<td>Badlam, Stephen</td>
<td>II</td>
<td>'00</td>
<td>15 Columbia St. Dorchester, Mass.</td>
</tr>
<tr>
<td>Bailey, Robert William</td>
<td>XIX</td>
<td>'99</td>
<td>12 West 22d St., New York City.</td>
</tr>
<tr>
<td>Baker, Philip Stone</td>
<td>S</td>
<td></td>
<td>1882 Wasn St., San Francisco, Cal.</td>
</tr>
<tr>
<td>Baker, Willis Clark</td>
<td>VI</td>
<td>'00</td>
<td>Graniteville, S. C.</td>
</tr>
<tr>
<td>Balcom, Reuben Wilfred</td>
<td>I</td>
<td>'00</td>
<td>Framingham, Mass.</td>
</tr>
<tr>
<td>Baldwin, Chas. Fowler, Jr., A. ∆.Φ.</td>
<td>VI</td>
<td>'97</td>
<td>105 N. Gay St., Mt. Vernon, Ohio.</td>
</tr>
<tr>
<td>Balkam, Clifford Mann</td>
<td>VII</td>
<td>'93</td>
<td>Randolph, Mass.</td>
</tr>
<tr>
<td>Ballantyne, Bertha Lennie</td>
<td>VII</td>
<td></td>
<td>Hudson, Mass.</td>
</tr>
<tr>
<td>Ballou, Henry Welcome</td>
<td>I</td>
<td>'97</td>
<td>63 Princeton Av., Provid'ence, R. I.</td>
</tr>
<tr>
<td>Bancroft, Joseph, Θ. Σ.</td>
<td>X</td>
<td>'97</td>
<td>Wilmington, Del.</td>
</tr>
<tr>
<td>Bancroft, Wilfred, ∆. Φ.</td>
<td>II</td>
<td>'97</td>
<td>3310 Arch St., Philadelphia, Pa.</td>
</tr>
<tr>
<td>Barney, Morgan</td>
<td>X</td>
<td>'97</td>
<td>81 4th St., New Bedford, Mass.</td>
</tr>
<tr>
<td>Bartlett, Jane Howard</td>
<td>V</td>
<td>'00</td>
<td>West Bridgewater, Mass.</td>
</tr>
<tr>
<td>Barker, Harrington</td>
<td>II</td>
<td>'98</td>
<td>283 Huron Ave., No. Cambridge.</td>
</tr>
<tr>
<td>Barkhouse, Edgar Louis</td>
<td>VI</td>
<td>'97</td>
<td>1043 2d St., Louisville, Ky.</td>
</tr>
<tr>
<td>Barlow, William Harvey, X. Φ.</td>
<td>V</td>
<td>'97</td>
<td>Mahanoy City, Pa.</td>
</tr>
<tr>
<td>Barnes, Warren Hammond</td>
<td>I</td>
<td>'97</td>
<td>9 Brinsmead St., Marlboro, Mass.</td>
</tr>
<tr>
<td>Barron, Carlyle Norris</td>
<td>II</td>
<td>'99</td>
<td>35 Broadway, New York, N. Y.</td>
</tr>
<tr>
<td>Barrows, Bernard</td>
<td>X</td>
<td>'97</td>
<td>Reading, Mass.</td>
</tr>
<tr>
<td>Barton, Charles Augustus, Jr.</td>
<td>VI</td>
<td>'00</td>
<td>Park Ridge, Ill.</td>
</tr>
<tr>
<td>Batcheller, James Hervey</td>
<td>III</td>
<td>'00</td>
<td>34 Monument Sq., Charlestown.</td>
</tr>
<tr>
<td>Baumann, Edgar Butler</td>
<td>S</td>
<td></td>
<td>1838 Wellington St., Chicago, Ill.</td>
</tr>
<tr>
<td>Bean, Walter Raymond</td>
<td>XIII</td>
<td>'99</td>
<td>44 Woodbine St., Roxbury.</td>
</tr>
<tr>
<td>Beckwith, Edward Pierrepont, ∆.Φ.</td>
<td>VI</td>
<td>'00</td>
<td>Cazenovia, N. Y.</td>
</tr>
<tr>
<td>Beekman, John Vanderveer, Jr.</td>
<td>S</td>
<td></td>
<td>216 West 8th St., Plainfield, N. J.</td>
</tr>
<tr>
<td>Belcher, Henry Clifford</td>
<td>II</td>
<td>'98</td>
<td>Easton, Mass.</td>
</tr>
<tr>
<td>Belknap, George Henry</td>
<td>II</td>
<td>'00</td>
<td>13 Milton Ave., Mattapany, Mass.</td>
</tr>
<tr>
<td>Bender, Lowry Dravo Wilkinson</td>
<td>III</td>
<td>'99</td>
<td>238 Main St., Pittsburg, Pa.</td>
</tr>
<tr>
<td>Bennett, Raymond Franklin</td>
<td>I</td>
<td>'99</td>
<td>35 Melbourne St., Portland, Me.</td>
</tr>
<tr>
<td>Bennink, Carrol Augustus</td>
<td>IV</td>
<td>'98</td>
<td>Ontario, Cal.</td>
</tr>
<tr>
<td>Benson, Howard Jonathan, Ph.B.</td>
<td>III</td>
<td>'98</td>
<td>Akron, Ohio.</td>
</tr>
<tr>
<td>Bergen, Francis Patrick</td>
<td>VI</td>
<td>'98</td>
<td>23 Tone St., Hartford, Conn.</td>
</tr>
<tr>
<td>Bergstrom, George Edwin, Θ. Σ.</td>
<td>IV</td>
<td>'98</td>
<td>Neenah, Wis.</td>
</tr>
<tr>
<td>Binley, William, Jr.</td>
<td>XIII</td>
<td>'97</td>
<td>14 Tremont St., Newbury, Mass.</td>
</tr>
<tr>
<td>Bishop, Frederic Lendall</td>
<td>VIII</td>
<td>'98</td>
<td>Malden, Mass.</td>
</tr>
<tr>
<td>Bissell, Thomas Hally, Φ. Υ.</td>
<td>VI</td>
<td>'98</td>
<td>950 Delaware Ave., Buffalo, N. Y.</td>
</tr>
<tr>
<td>Bixby, George Linder, S.B.</td>
<td>S</td>
<td></td>
<td>Foxboro, Mass.</td>
</tr>
<tr>
<td>Blackmer, William Daniels, Φ.</td>
<td>III</td>
<td>'98</td>
<td>601 N. Cascade Ave., Col. Sp'gs.</td>
</tr>
<tr>
<td>Blair, Robert Sherman</td>
<td>VI</td>
<td>'00</td>
<td>Waterville Road, Waterbury, Ct.</td>
</tr>
<tr>
<td>NAME AND FRATERNITY</td>
<td>COURSE</td>
<td>CLASS</td>
<td>HOME ADDRESS</td>
</tr>
<tr>
<td>-----------------------------------------</td>
<td>--------</td>
<td>-------</td>
<td>-----------------------------------</td>
</tr>
<tr>
<td>Blossom, David Henry, A.B., A. Y.</td>
<td>VI.</td>
<td>’98</td>
<td>Granville, N. Y.</td>
</tr>
<tr>
<td>Boardman, Fred Cleveland</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bodwell, Howard Lawrence</td>
<td>II.</td>
<td>’98</td>
<td>West Boxford, Mass.</td>
</tr>
<tr>
<td>Boland, Mary A.</td>
<td>S.</td>
<td>’00</td>
<td>10 Cobden St., Roxbury, Mass.</td>
</tr>
<tr>
<td>Bolster, Roy Hale</td>
<td>II.</td>
<td>’00</td>
<td>117 W. Newton St., Boston, Mass.</td>
</tr>
<tr>
<td>Bonycastle, William Robinson</td>
<td>VI.</td>
<td>’97</td>
<td>Louisville, Ky.</td>
</tr>
<tr>
<td>Booth, George Henry</td>
<td>II.</td>
<td>’98</td>
<td>26 Garfield Pl., Po'keepsie, N. Y.</td>
</tr>
<tr>
<td>Borden, Raymond Davis</td>
<td>XIII.</td>
<td>’00</td>
<td>739 Rock St., Fall River, Mass.</td>
</tr>
<tr>
<td>Borland, Hugh</td>
<td>I.</td>
<td>’97</td>
<td>25 Church St., St. Johnsbury, Vt.</td>
</tr>
<tr>
<td>Bowen, Edgar Campbell, Jr.</td>
<td>II.</td>
<td>’97</td>
<td>668 Dayton Ave., St. Paul, Minn.</td>
</tr>
<tr>
<td>Bowen, Ralph Albert</td>
<td>V.</td>
<td>’97</td>
<td>Adams, Mass.</td>
</tr>
<tr>
<td>Boyle, Martin</td>
<td>V.</td>
<td>’97</td>
<td>Newburyport, Mass.</td>
</tr>
<tr>
<td>Bradlee, Charles Walter</td>
<td>V.</td>
<td>’97</td>
<td>113 Beacon St., Boston, Mass.</td>
</tr>
<tr>
<td>Bramhall, Charles Thomas</td>
<td>II.</td>
<td>’97</td>
<td>139 Court St., Plymouth, Mass.</td>
</tr>
<tr>
<td>Breed, Charles Blaney</td>
<td>I.</td>
<td>’97</td>
<td>12 George St., Lynn, Mass.</td>
</tr>
<tr>
<td>Breer, Louis Bennett</td>
<td>V.</td>
<td>’97</td>
<td>17 Henry Ave., Lynn, Mass.</td>
</tr>
<tr>
<td>Brenneman, J. B., E.</td>
<td>V.</td>
<td>’97</td>
<td>Bethany, West Virginia.</td>
</tr>
<tr>
<td>Brewster, William</td>
<td>II.</td>
<td>’98</td>
<td>11 Court St., Plymouth, Mass.</td>
</tr>
<tr>
<td>Brickley, William Joseph</td>
<td>S.</td>
<td></td>
<td>68 Tremont St., Charlestown.</td>
</tr>
<tr>
<td>Briggs, Charles Calvin, Jr., X. Φ.</td>
<td>II.</td>
<td>’00</td>
<td>153 Craig St., Pittsburg, Pa.</td>
</tr>
<tr>
<td>Brigham, Edmond Francis</td>
<td>VI.</td>
<td>’00</td>
<td>Newton Highlands, Mass.</td>
</tr>
<tr>
<td>Brooks, Miles Elijah</td>
<td>I.</td>
<td>’98</td>
<td>19 Milford St., Boston, Mass.</td>
</tr>
<tr>
<td>Brooks, Paul Raymond</td>
<td>II.</td>
<td>’00</td>
<td>4912 Woodlawn Ave., Chicago, Ill.</td>
</tr>
<tr>
<td>Brown, Cardella Drake, Σ. A. E.</td>
<td>VI.</td>
<td>’98</td>
<td>1470 Broad St., Hartford, Conn.</td>
</tr>
<tr>
<td>Brown, Carroll Wilder</td>
<td>I.</td>
<td>’99</td>
<td>Rye Beach, N. H.</td>
</tr>
<tr>
<td>Brown, Charles Hoyt</td>
<td>I.</td>
<td>’99</td>
<td>Wellesville, N. Y.</td>
</tr>
<tr>
<td>Brown, Clarence Clapp</td>
<td>VI.</td>
<td>’00</td>
<td>Reading, Mass.</td>
</tr>
<tr>
<td>Brown, Dickson Queen, A. B. Σ. X.</td>
<td></td>
<td></td>
<td>Hotel Majestic, New York, N. Y.</td>
</tr>
<tr>
<td>Brown, Edward Percy</td>
<td>III.</td>
<td>’97</td>
<td>113 South Park St., Halifax, N. S.</td>
</tr>
<tr>
<td>Brown, James Monroe</td>
<td>II.</td>
<td>’97</td>
<td>381 Park Ave., W. Mansfield, O.</td>
</tr>
<tr>
<td>Brown, John</td>
<td>I.</td>
<td>’97</td>
<td>40 Durfee Ave., Fall River, Mass.</td>
</tr>
<tr>
<td>Brown, John Wesley</td>
<td>V.</td>
<td>’00</td>
<td>13 Forrester Ave., Newburyport.</td>
</tr>
<tr>
<td>Brown, Stephen Pearson, Σ. X.</td>
<td>II.</td>
<td>’00</td>
<td>Dover, Me.</td>
</tr>
<tr>
<td>NAME AND FRATERNITY</td>
<td>COURSE</td>
<td>CLASS</td>
<td>HOME ADDRESS</td>
</tr>
<tr>
<td>--------------------------------------</td>
<td>--------</td>
<td>--------</td>
<td>-------------------------------------------</td>
</tr>
<tr>
<td>Buck, Hattie Josephtne</td>
<td>VII</td>
<td></td>
<td>60 Union St., Woburn, Mass.</td>
</tr>
<tr>
<td>Bucklin, Milton Pollard</td>
<td>VI</td>
<td></td>
<td>40 Princeton Ave., Providence.</td>
</tr>
<tr>
<td>Buell, Charles Seaton</td>
<td>II</td>
<td>'97</td>
<td>6616 Yale Ave., Chicago, Ill.</td>
</tr>
<tr>
<td>Buffum, Frederick Delano, B. 0. II.</td>
<td>S</td>
<td></td>
<td>Winchester, N. H.</td>
</tr>
<tr>
<td>Bugbee, Edward Everett</td>
<td>III</td>
<td>'90</td>
<td>Allerton St., Brookline, Mass.</td>
</tr>
<tr>
<td>Bullard, Lewis Hinkley</td>
<td>II</td>
<td>'90</td>
<td>Wellesley Hills, Mass.</td>
</tr>
<tr>
<td>Burch, Guy Prentice</td>
<td>I</td>
<td>'99</td>
<td>381 W. 3d St., Dubuque, Iowa.</td>
</tr>
<tr>
<td>Burdick, Howard Henry, Σ. A. E.</td>
<td>II</td>
<td>'97</td>
<td>205 Sigourney St., Hartford, Conn.</td>
</tr>
<tr>
<td>Burgess, Philip</td>
<td>XI</td>
<td>'99</td>
<td>Otis St., Newtonville, Mass.</td>
</tr>
<tr>
<td>Burnham, Frank Erwin</td>
<td>X</td>
<td>'90</td>
<td>Reading, Mass.</td>
</tr>
<tr>
<td>Burnham, George, Δ. K. E.</td>
<td></td>
<td>'97</td>
<td>35 West St., Portland, Me.</td>
</tr>
<tr>
<td>Burnham, Roy Gibson</td>
<td>VI</td>
<td>'90</td>
<td>Essex, Mass.</td>
</tr>
<tr>
<td>Burns, James Dennis, Jr.</td>
<td>I</td>
<td>'90</td>
<td>5 Allen St., Salem, Mass.</td>
</tr>
<tr>
<td>Burrill, Nathan Carter</td>
<td>S</td>
<td></td>
<td>17 Winter St., Newburyport, Mass.</td>
</tr>
<tr>
<td>Burroughs, Karl</td>
<td>X</td>
<td>'90</td>
<td>11 Landers St., Somerville, Mass.</td>
</tr>
<tr>
<td>Bush, Walter Meiggs, Σ. A. E.</td>
<td>II</td>
<td>'97</td>
<td>4144 Clinton St., Brooklyn, N. Y.</td>
</tr>
<tr>
<td>Butcher, William Laramy</td>
<td>I</td>
<td>'98</td>
<td>Lake View Ave., Camb'ge, Mass.</td>
</tr>
<tr>
<td>Butler, Ferdinand Almon</td>
<td>VI</td>
<td>'99</td>
<td>32 Hancock St., Salem, Mass.</td>
</tr>
<tr>
<td>Butler, Walter Harold</td>
<td>II</td>
<td>'99</td>
<td>212 Fir St., Akron, Ohio.</td>
</tr>
<tr>
<td>Butler, Winthrop Ewsenden</td>
<td>V</td>
<td>'98</td>
<td>79 Tudor St., Chelsea, Mass.</td>
</tr>
<tr>
<td>Butterworth, Elwell Robert</td>
<td>II</td>
<td>'98</td>
<td>15 Harvard Place, Som’ville, Mass.</td>
</tr>
<tr>
<td>Byam, Le Roy Henry</td>
<td>I</td>
<td>'98</td>
<td>337 Crescent St., Waltham, Mass.</td>
</tr>
<tr>
<td>Cade, Marion Louise</td>
<td>V</td>
<td>'98</td>
<td>14 Clinton St., Cambrid’p’t, Mass.</td>
</tr>
<tr>
<td>Cahn, Edgar Bernard</td>
<td>IV</td>
<td>'90</td>
<td>Chicago, Ill.</td>
</tr>
<tr>
<td>Caldwell, Frederick William</td>
<td>II</td>
<td>'99</td>
<td>42 Stevens St., Winchester.</td>
</tr>
<tr>
<td>Campbell, Donald Chenery, Δ. T. Δ.</td>
<td>II</td>
<td>'98</td>
<td>83 Queen St., Lowell, Mass.</td>
</tr>
<tr>
<td>Campbell, Percy Alphonso</td>
<td>S</td>
<td></td>
<td>Derry, N. H.</td>
</tr>
<tr>
<td>Cannon, Sylvester Quayle</td>
<td>III</td>
<td>'99</td>
<td>24 E. So. Temple St., Salt LakeCity.</td>
</tr>
<tr>
<td>Capen, Carroll Adams</td>
<td>X</td>
<td>'97</td>
<td>Randolph, Mass.</td>
</tr>
<tr>
<td>Carr, Joseph Lewis</td>
<td>S</td>
<td></td>
<td>26 Watts St., Chelsea, Mass.</td>
</tr>
<tr>
<td>Carter, Allie Devere</td>
<td>S</td>
<td></td>
<td>1711 G St., Tacoma, Wash.</td>
</tr>
<tr>
<td>Carty, John Edward</td>
<td>I</td>
<td>'97</td>
<td>6 Kensington St., Roxbury, Mass.</td>
</tr>
<tr>
<td>Case, Herbert Monroe</td>
<td>VI</td>
<td>'99</td>
<td>109 Ann St., Hartford, Conn.</td>
</tr>
<tr>
<td>Cassidy, David Demoirest, Jr., A.Δ.Φ.</td>
<td>II</td>
<td>'97</td>
<td>24 Cumberland St., Boston.</td>
</tr>
<tr>
<td>Cayvan, Llewellyn Leopold</td>
<td>V</td>
<td>'90</td>
<td>660 Sixth St., So. Boston, Mass.</td>
</tr>
<tr>
<td>Chase, Ira Mason, Jr.</td>
<td>I</td>
<td>'98</td>
<td>37 Fifth St., New Bedford, Mass.</td>
</tr>
<tr>
<td>Chaffee, Walter Crane</td>
<td>IV</td>
<td>'90</td>
<td>85 Edmont Place, Detroit, Mich.</td>
</tr>
<tr>
<td>Chalmers, Harry Bishop</td>
<td>VI</td>
<td>'90</td>
<td>Lonsdale, R. I.</td>
</tr>
<tr>
<td>Chamberlain, Grace</td>
<td>S</td>
<td></td>
<td>183 Hammond St., Bangor, Me.</td>
</tr>
<tr>
<td>NAME AND FRATERNITY</td>
<td>COURSE</td>
<td>CLASS</td>
<td>HOME ADDRESS</td>
</tr>
<tr>
<td>-----------------------------------</td>
<td>--------</td>
<td>-------</td>
<td>--------------</td>
</tr>
<tr>
<td>CHAPIN, Edward Samuel</td>
<td>V.</td>
<td>'98</td>
<td>23 Parker St., Boston, Mass.</td>
</tr>
<tr>
<td>CHAPMAN, Eben Lord</td>
<td>I.</td>
<td>'00</td>
<td>Franklin Falls, N. H.</td>
</tr>
<tr>
<td>CHAPMAN, James Finlay, B.S.</td>
<td>S.</td>
<td>'00</td>
<td>Mankato, Minn.</td>
</tr>
<tr>
<td>CHAPMAN, Mary Bugbee</td>
<td>S.</td>
<td></td>
<td>121 Union St., Bangor, Me.</td>
</tr>
<tr>
<td>CHARLES, Walter Nathan</td>
<td>I.</td>
<td>'00</td>
<td>127 Eustice St., Roxbury, Mass.</td>
</tr>
<tr>
<td>CHASE, Aurin Moody, B.S., A. Δ. Φ.</td>
<td>S.</td>
<td></td>
<td>Comstock Ave., Syracuse, N. Y.</td>
</tr>
<tr>
<td>CHASE, Frank David</td>
<td>III.</td>
<td>'00</td>
<td>Hotel Monnett, Evanston, Ill.</td>
</tr>
<tr>
<td>CHASE, Wendell Wyse, B. C. E., B. Θ. ΙΙ</td>
<td>S.</td>
<td></td>
<td>Foxcroft, Me.</td>
</tr>
<tr>
<td>CHRISTENSEN, William Otto</td>
<td>X.</td>
<td>'00</td>
<td>Belmont, Mass.</td>
</tr>
<tr>
<td>CHURCH, Lenoir Campbell</td>
<td>IX.</td>
<td>'00</td>
<td>1 Menlo St., Brighton, Mass.</td>
</tr>
<tr>
<td>CHURCHMAN, Albert Lawrence, Θ. Ζ.</td>
<td>II.</td>
<td>'00</td>
<td>1311 Rodney St., Wilmington, Del.</td>
</tr>
<tr>
<td>CLAPP, Frederick Gardner</td>
<td>III.</td>
<td>'00</td>
<td>169 Boston St., So. Boston, Mass.</td>
</tr>
<tr>
<td>CLAPP, Harvey Rowland</td>
<td></td>
<td></td>
<td>Port Deposit, Md.</td>
</tr>
<tr>
<td>CLAPP, Mabel Delano</td>
<td>S.</td>
<td></td>
<td>Hotel Vendome, Boston, Mass.</td>
</tr>
<tr>
<td>CLARK, Charles Bevan, A.B.</td>
<td>I.</td>
<td>'97</td>
<td>1301 Linden Ave., Baltimore, Md.</td>
</tr>
<tr>
<td>CLARK, Henry Archer</td>
<td>II.</td>
<td>'97</td>
<td>207 Second St., Pittsfield, Mass.</td>
</tr>
<tr>
<td>CLARY, Robert Hodgen</td>
<td>III.</td>
<td>'00</td>
<td>Columbia St., Seattle, Wash.</td>
</tr>
<tr>
<td>CLAUSEN, Rudolph Julius</td>
<td>IV.</td>
<td>'99</td>
<td>624 W. 6th St., Davenport, Ohio.</td>
</tr>
<tr>
<td>CLEAVEYLAND, Walter Avery</td>
<td>II.</td>
<td>'98</td>
<td>West Newton, Mass.</td>
</tr>
<tr>
<td>CLEVELAND, Ernest Elgin</td>
<td>VI.</td>
<td>'00</td>
<td>121 High'l'd St., Somerville, Mass.</td>
</tr>
<tr>
<td>CLIFFORD, Paul</td>
<td>II.</td>
<td>'98</td>
<td>Waverly Ave., Newton, Mass.</td>
</tr>
<tr>
<td>CLOW, Percival Charles</td>
<td></td>
<td></td>
<td>Orange, Mass.</td>
</tr>
<tr>
<td>CLIFF, Clarence Brooks</td>
<td>V.</td>
<td>'99</td>
<td>13 Columbia Park, Haverhill.</td>
</tr>
<tr>
<td>COBB, Herbert Franklin</td>
<td>II.</td>
<td>'98</td>
<td>Newton Centre, Mass.</td>
</tr>
<tr>
<td>COBB, Herbert Luther</td>
<td>VI.</td>
<td>'97</td>
<td>Mansfield, Mass.</td>
</tr>
<tr>
<td>COBURN, Howard Lincoln</td>
<td>II.</td>
<td>'98</td>
<td>143 Appleton St., Boston, Mass.</td>
</tr>
<tr>
<td>COFFIN, Joseph George</td>
<td>VIII.</td>
<td>'98</td>
<td>635 Tremont St., Boston, Mass.</td>
</tr>
<tr>
<td>COLCORD, Frank Forest</td>
<td>III.</td>
<td>'98</td>
<td>3 Weld Ave., Roxbury, Mass.</td>
</tr>
<tr>
<td>COLEMAN, Ezra Abbott</td>
<td>VI.</td>
<td>'97</td>
<td>193 W. Newton St., Boston, Mass.</td>
</tr>
<tr>
<td>COLLIER, William Rawson, Σ. X.</td>
<td>VI.</td>
<td>'00</td>
<td>296 Rawson St., Atlanta, Ga.</td>
</tr>
<tr>
<td>COLLINGS, Howard Browning, Σ. A. E.</td>
<td>III.</td>
<td></td>
<td>Denver, Col.</td>
</tr>
<tr>
<td>COLLINGS, John Arthur, Jr.</td>
<td>X.</td>
<td>'97</td>
<td>73 Cottage St., Fall River, Mass.</td>
</tr>
<tr>
<td>COMEY, Charles Henry</td>
<td>II.</td>
<td>'00</td>
<td>3 Herbert St., Dorchester, Mass.</td>
</tr>
<tr>
<td>CONANT, Franklin Norton</td>
<td>VI.</td>
<td>'00</td>
<td>3 Wellington St., Boston.</td>
</tr>
<tr>
<td>CONANT, Harold Sargent</td>
<td>VII.</td>
<td>'00</td>
<td>28 Pleasant St., Gloucester, Mass.</td>
</tr>
<tr>
<td>CONANT, John Bancroft</td>
<td>I.</td>
<td>'00</td>
<td>421 Massachusetts Ave., Boston.</td>
</tr>
<tr>
<td>CONDON, John Elliott</td>
<td>II.</td>
<td>'99</td>
<td>810 Second St., Fall River, Mass.</td>
</tr>
<tr>
<td>CONKLIN, Herbert King</td>
<td>IV.</td>
<td>'98</td>
<td>70 Heller Parkway, Newark, N. J.</td>
</tr>
<tr>
<td>CONSTANTINE, Arthur McGregor</td>
<td>IX.</td>
<td></td>
<td>18 Strong St., Newburyport, Mass.</td>
</tr>
<tr>
<td>COOKE, Frederick Hosmer</td>
<td>I.</td>
<td>'00</td>
<td>102 Rockdale Ave., Cincinnati, O.</td>
</tr>
<tr>
<td>COOMBS, Frank Eugene</td>
<td>IV.</td>
<td>'98</td>
<td>26 Maverick St., E. Boston, Mass.</td>
</tr>
<tr>
<td>COOPER, Philip Benson, Δ. T. Α.</td>
<td>IV.</td>
<td>'00</td>
<td>Naval Academy, Annapolis, Md.</td>
</tr>
<tr>
<td>COPP, George Irving</td>
<td>II.</td>
<td>'99</td>
<td>Rockingham Pl., Cambridgeport.</td>
</tr>
<tr>
<td>CORBETT, Charles Walter, Jr.</td>
<td>VI.</td>
<td>'99</td>
<td>6 Rutland Sq., Boston.</td>
</tr>
<tr>
<td>CORLISS, Cyrus</td>
<td>VI.</td>
<td>'00</td>
<td>Randolph, Mass.</td>
</tr>
<tr>
<td>CORNELL, Leonora C.</td>
<td>S.</td>
<td></td>
<td>709 South 11th St., Lincoln, Neb.</td>
</tr>
<tr>
<td>CORNELL, Worthington</td>
<td>VI.</td>
<td>'98</td>
<td>Wellington, Mass.</td>
</tr>
<tr>
<td>CORNWELL, William Eames</td>
<td>VIII.</td>
<td></td>
<td>220 N. Wash. St., Rome, N. Y.</td>
</tr>
<tr>
<td>Name and Fraternity</td>
<td>Course</td>
<td>Class</td>
<td>Home Address</td>
</tr>
<tr>
<td>----------------------------------</td>
<td>--------</td>
<td>-------</td>
<td>---------------------------</td>
</tr>
<tr>
<td>CORSON, WILLIAM BERTRAND</td>
<td>S.</td>
<td>55 Palfrey St., Watertown, Mass.</td>
<td></td>
</tr>
<tr>
<td>COTTER, WILLIAM EDWARD</td>
<td>S.</td>
<td>18 Shehan St., Somerville, Mass.</td>
<td></td>
</tr>
<tr>
<td>COTTING, CHARLES BURTON</td>
<td>X. '00</td>
<td>West Newton, Mass.</td>
<td></td>
</tr>
<tr>
<td>COTTLE, GEORGE THURSTON</td>
<td>V. '98</td>
<td>13 Copley St., Roxbury.</td>
<td></td>
</tr>
<tr>
<td>COWLES, LUZERNE SIMEON, Σ. A. E.</td>
<td>I. '97</td>
<td>65 Forest St., Hartford, Conn.</td>
<td></td>
</tr>
<tr>
<td>COX, ALLEN HOWARD</td>
<td>S.</td>
<td>248 Maple St., Holyoke, Mass.</td>
<td></td>
</tr>
<tr>
<td>CRANE, CHARLES FRANCIS</td>
<td>I. '99</td>
<td>13 Charles St., Taunton, Mass.</td>
<td></td>
</tr>
<tr>
<td>CRANE, CHARLES SPENCER, Σ. A. E.</td>
<td>IX. '00</td>
<td>518 Adams St., Scranton, Pa.</td>
<td></td>
</tr>
<tr>
<td>CRANE, EVA HAYES</td>
<td>IV. '98</td>
<td>56 Trowbridge St., Camb'ge, Mass.</td>
<td></td>
</tr>
<tr>
<td>CRAVEN, GEORGE WARREN</td>
<td>VI. '99</td>
<td>3506 Commonweath Ave., Boston.</td>
<td></td>
</tr>
<tr>
<td>CRITTENDEN, SAMUEL HALLETT</td>
<td>III. '00</td>
<td>Highwood, N. J.</td>
<td></td>
</tr>
<tr>
<td>CROCKER, ALLEN SWIFT</td>
<td>II. '97</td>
<td>226 Kempton St., N. Bed'd, Mass.</td>
<td></td>
</tr>
<tr>
<td>CROCKER, HARRY LONGFELLOW</td>
<td>I. '00</td>
<td>102 Park St., Portland, Me.</td>
<td></td>
</tr>
<tr>
<td>CROWELL, LOUIS AUSTIN</td>
<td>I. '00</td>
<td>East Dennis, Mass.</td>
<td></td>
</tr>
<tr>
<td>CROWELL, LUTHER ALBERTO</td>
<td>VI. '98</td>
<td>West Dennis, Mass.</td>
<td></td>
</tr>
<tr>
<td>CUMMINGS, HENRY, JR., S.B.</td>
<td>IV. '96</td>
<td>3 Union Park, Boston, Mass.</td>
<td></td>
</tr>
<tr>
<td>CURRIER, CHARLES RICHARDSON</td>
<td>II. '97</td>
<td>285 Lamartine St., Jamaica Plain.</td>
<td></td>
</tr>
<tr>
<td>CURRIER, HARVEY LEON</td>
<td>II. '98</td>
<td>Swampscott, Mass.</td>
<td></td>
</tr>
<tr>
<td>CURTIS, ARTHUR VINTON</td>
<td>XIII. '98</td>
<td>47 Elm St., Quincy, Mass.</td>
<td></td>
</tr>
<tr>
<td>CURTIS, EVERETT NICHOLS</td>
<td>IX. '98</td>
<td>26 Cumberland St., Boston, Mass.</td>
<td></td>
</tr>
<tr>
<td>CURTIS, HARRY APPLETON, A.B.</td>
<td>S.</td>
<td>28 Mt. Vernon St., Boston, Mass.</td>
<td></td>
</tr>
<tr>
<td>CUSHING, HARVEY MORSE</td>
<td>VI. '99</td>
<td>186 Maple Ave., Ottumwa, Ia.</td>
<td></td>
</tr>
<tr>
<td>CUSHMAN, FRANK, Jr.</td>
<td>S.</td>
<td>17 White St., East Boston, Mass.</td>
<td></td>
</tr>
<tr>
<td>CUTLER, JANE RUTH, A.B.</td>
<td>S.</td>
<td>70 Pearl St., Somerville, Mass.</td>
<td></td>
</tr>
<tr>
<td>CUTLER, WILLIAM HENRY, Δ. K. E.</td>
<td>IV. '97</td>
<td>4801 Kenwood Ave., Chicago, Ill.</td>
<td></td>
</tr>
<tr>
<td>CUTTER, FRED BERTRAM</td>
<td>VI. '97</td>
<td>16 Otis St., Wakefield, Mass.</td>
<td></td>
</tr>
<tr>
<td>CUTTING, GEORGE WARREN, Jr.</td>
<td>I. '00</td>
<td>Weston, Mass.</td>
<td></td>
</tr>
<tr>
<td>DAGGETT, ELEANOR WILLIAMS</td>
<td>S.</td>
<td>116 Commonwealth Ave., Boston.</td>
<td></td>
</tr>
<tr>
<td>DAMON, HARRY SUMNER</td>
<td>II. '99</td>
<td>Bryantville, Mass.</td>
<td></td>
</tr>
<tr>
<td>DANA, Wm. SUMNER BARTON, Φ. Γ. Α.</td>
<td>IV. '98</td>
<td>46 Cedar St., Worcester, Mass.</td>
<td></td>
</tr>
<tr>
<td>DANFORTH, RAYMOND HUGHES</td>
<td>II. '98</td>
<td>4 Arabella St., Salem, Mass.</td>
<td></td>
</tr>
<tr>
<td>DANIELL, JERIE ROGERS</td>
<td>XIII. '97</td>
<td>Franklin Falls, N. H.</td>
<td></td>
</tr>
<tr>
<td>DANIELS, NATHAN HAGAR, Jr., S.B.</td>
<td>VI. '96</td>
<td>13 Joy St., Boston, Mass.</td>
<td></td>
</tr>
<tr>
<td>DARLINGTON, WILLIAM, M. E.</td>
<td>S.</td>
<td>Butte, Mont.</td>
<td></td>
</tr>
<tr>
<td>DART, ALBERT CHARLES, Jr.</td>
<td>III. '00</td>
<td>2106 7th Ave., Rock Island, Ill.</td>
<td></td>
</tr>
<tr>
<td>DART, CYRUS VICTOR</td>
<td>I. '00</td>
<td>716 22d St., Rock Island, Ill.</td>
<td></td>
</tr>
<tr>
<td>DATER, PHILIP HERRICK, B.A.</td>
<td>I. '98</td>
<td>2236 6th Ave., Troy, N. Y.</td>
<td></td>
</tr>
<tr>
<td>DAVENPORT, MAURICE</td>
<td>II. '98</td>
<td>6939 Congress St., Portland, Me.</td>
<td></td>
</tr>
<tr>
<td>DAVILA, JENARO</td>
<td>I. '99</td>
<td>Monterey, Mexico.</td>
<td></td>
</tr>
<tr>
<td>DAVIS, ALVAN LAMSON</td>
<td>III. '97</td>
<td>27 Albion St., Hyde Park, Mass.</td>
<td></td>
</tr>
<tr>
<td>DAVIS, ARTHUR TRUE</td>
<td>II. '98</td>
<td>790 Pine Ave., Montreal, Q.</td>
<td></td>
</tr>
<tr>
<td>DAVIS, HUNTLY WARD, Δ. T.</td>
<td>IV. '98</td>
<td>91 Webster St., Malden, Mass.</td>
<td></td>
</tr>
<tr>
<td>DAVIS, WILBUR WARD</td>
<td>VI. '98</td>
<td>33 M. St., So. Boston, Mass.</td>
<td></td>
</tr>
<tr>
<td>DAVIDSON, GEORGE RUPERT</td>
<td>S. '98</td>
<td>Hudson, Mass.</td>
<td></td>
</tr>
<tr>
<td>DAWES, FRED BRADLEY</td>
<td>S.</td>
<td>East Derry, N. H.</td>
<td></td>
</tr>
<tr>
<td>DAY, MARY HARRIETT</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>NAME AND FRATERNITY</td>
<td>COURSE</td>
<td>CLASS</td>
<td>HOME ADDRESS</td>
</tr>
<tr>
<td>-------------------------------------</td>
<td>--------</td>
<td>---------</td>
<td>-----------------------</td>
</tr>
<tr>
<td>DEAN, WALTER CLARK</td>
<td>VI. '00</td>
<td>Dalton, Pa.</td>
<td></td>
</tr>
<tr>
<td>Deavitt, Henry McIntyre, B.S.</td>
<td>V. '97</td>
<td>Montpelier, Vt.</td>
<td></td>
</tr>
<tr>
<td>Degolyer, Robert Seely, Φ. B. E.</td>
<td>IV. '98</td>
<td>1819 Hinman Ave., Evanston, Ill.</td>
<td></td>
</tr>
<tr>
<td>Delano, Morris Francis</td>
<td>I. '98</td>
<td>5 Walnut St., Somerville, Mass.</td>
<td></td>
</tr>
<tr>
<td>Delano, Paul Holmes</td>
<td>II. '98</td>
<td>Kingston, Mass.</td>
<td></td>
</tr>
<tr>
<td>Delesdernier, Fred. Mortimore</td>
<td>VI. '00</td>
<td>Needham, Mass.</td>
<td></td>
</tr>
<tr>
<td>Demeritt, Leonard Morse</td>
<td>II. '97</td>
<td>52 N. Main St., Natick, Mass.</td>
<td></td>
</tr>
<tr>
<td>De Wolf, Richard Crosby</td>
<td>V. '00</td>
<td>112 W. Concord St., Boston.</td>
<td></td>
</tr>
<tr>
<td>Dexter, Katharine Moore</td>
<td>S.</td>
<td>2 Raleigh St., Boston.</td>
<td></td>
</tr>
<tr>
<td>Dimock, Elwin Hibbert</td>
<td>II.</td>
<td>697 Washington St., Dor., Mass.</td>
<td></td>
</tr>
<tr>
<td>Dixon, Charles Sumner</td>
<td>VI. '98</td>
<td>1608 R St., N. W. Wash'ton, D. C.</td>
<td></td>
</tr>
<tr>
<td>Dixon, John Brown</td>
<td>V. '98</td>
<td>1608 R St., N. W. Wash'ton, D. C.</td>
<td></td>
</tr>
<tr>
<td>Dodd, Margaret Elliot, S B</td>
<td>S.</td>
<td>58 Townsend St., Roxbury, Mass.</td>
<td></td>
</tr>
<tr>
<td>Dodge, Frank Edward</td>
<td>III. '00</td>
<td>163 W. Canton St., Boston.</td>
<td></td>
</tr>
<tr>
<td>Dodge, Irving Bigelow</td>
<td>II. '98</td>
<td>Grafton, Mass.</td>
<td></td>
</tr>
<tr>
<td>Dodge, Winthrop Rufus</td>
<td>V. '98</td>
<td>Newburyport, Mass.</td>
<td></td>
</tr>
<tr>
<td>Dolbear, Katherine Ella</td>
<td>S.</td>
<td>Tufts College, Mass.</td>
<td></td>
</tr>
<tr>
<td>Doliber, Franklin Whitney, Θ. 2.</td>
<td>IX. '97</td>
<td>Goddard Ave., Brookline, Mass.</td>
<td></td>
</tr>
<tr>
<td>Donnell, Harry Deane</td>
<td>S.</td>
<td>1105 Clarkson St., Denver, Col.</td>
<td></td>
</tr>
<tr>
<td>Donovan, John Augustine</td>
<td>IX. '97</td>
<td>236 Branch St., Lowell, Mass.</td>
<td></td>
</tr>
<tr>
<td>Dorey, William Asbury</td>
<td>V. '00</td>
<td>643 W. 4th St., Cincinnati, Ohio.</td>
<td></td>
</tr>
<tr>
<td>Doten, Alfred Russell</td>
<td>II. '98</td>
<td>8 Mayflower St., Plymouth, Mass.</td>
<td></td>
</tr>
<tr>
<td>Doty, George Francis, B.A.</td>
<td>VI. '98</td>
<td>Pasadena, Cal.</td>
<td></td>
</tr>
<tr>
<td>Dozier, Henrietta Cuttins</td>
<td>IV. '99</td>
<td>Atlanta, Ga.</td>
<td></td>
</tr>
<tr>
<td>Drake, Charles Sumner</td>
<td>S.</td>
<td>1525 N. Rockwell St., Chicago, Ill.</td>
<td></td>
</tr>
<tr>
<td>Drake, Chester Francis, 2. A. E.</td>
<td>XI. '97</td>
<td>42 Monum't St., W. Medford, Mass.</td>
<td></td>
</tr>
<tr>
<td>Draper, Robert May</td>
<td>III. '98</td>
<td>Fayville, Mass.</td>
<td></td>
</tr>
<tr>
<td>Dryer, James Cyrus</td>
<td>VI. '99</td>
<td>396 East Ave., Rochester, N. Y.</td>
<td></td>
</tr>
<tr>
<td>Duff, Ellen Loretto</td>
<td>S.</td>
<td>14 Sheafe St., Charlestown, Mass.</td>
<td></td>
</tr>
<tr>
<td>Dunbar, Howard Reginald</td>
<td>II. '00</td>
<td>Canton, Mass.</td>
<td></td>
</tr>
<tr>
<td>Du Pont, Irénée, Φ. B. E.</td>
<td>X. '97</td>
<td>Wilmington, Del.</td>
<td></td>
</tr>
<tr>
<td>Durgin, Clara Isabel</td>
<td>V. '00</td>
<td>Belmont, Mass.</td>
<td></td>
</tr>
<tr>
<td>Durgin, Edmund Horace</td>
<td>IX. '00</td>
<td>175 Newbury St., Boston.</td>
<td></td>
</tr>
<tr>
<td>Dwight, William Barlow, Σ. X.</td>
<td>'00</td>
<td>1323 Davis St., Evanston, Ill.</td>
<td></td>
</tr>
<tr>
<td>Dwyer, John Richard</td>
<td>IV. '97</td>
<td>4378 Wash'ton Av., St. Louis, Mo.</td>
<td></td>
</tr>
<tr>
<td>Eames, Charles Holmes</td>
<td>VI. '97</td>
<td>Andover, Mass.</td>
<td></td>
</tr>
<tr>
<td>Eaton, Henry Charles</td>
<td>II. '99</td>
<td>50 Taylor St., Waltham, Mass.</td>
<td></td>
</tr>
<tr>
<td>Eberhardt, Herman</td>
<td>'00</td>
<td>Portland, Oregon.</td>
<td></td>
</tr>
<tr>
<td>Edgerley, Daniel Wilbert</td>
<td>V. '98</td>
<td>86 Franklin St., Camb'port, Mass.</td>
<td></td>
</tr>
<tr>
<td>Edmunds, Frederick Lincoln</td>
<td>II. '97</td>
<td>29 Broad St., Newburyport, Mass.</td>
<td></td>
</tr>
<tr>
<td>Edson, Warren Adams</td>
<td>II. '00</td>
<td>11 Tremlet St., Dorchester, Mass.</td>
<td></td>
</tr>
<tr>
<td>Elbert, Samuel Bass, Φ.</td>
<td>II. '00</td>
<td>1030 21st St., Des Moines, Iowa.</td>
<td></td>
</tr>
<tr>
<td>Ellery, James Benjamin</td>
<td>V. '99</td>
<td>Annisquam, Mass.</td>
<td></td>
</tr>
</tbody>
</table>

284
<table>
<thead>
<tr>
<th>NAME AND FRATERNITY</th>
<th>COURSE</th>
<th>CLASS</th>
<th>HOME ADDRESS</th>
</tr>
</thead>
<tbody>
<tr>
<td>ELLIS, Carleton</td>
<td>V.</td>
<td>'00</td>
<td>Keene, N. H.</td>
</tr>
<tr>
<td>ELLIS, David Alfred</td>
<td>S.</td>
<td></td>
<td>Norwood, Mass.</td>
</tr>
<tr>
<td>Emery, Earle Caldwell</td>
<td>II.</td>
<td>'98</td>
<td>80 Congress St., Bradford, Pa.</td>
</tr>
<tr>
<td>Emery, George Webster</td>
<td>III.</td>
<td>'00</td>
<td>6 Mystic St., Charlestown, Mass.</td>
</tr>
<tr>
<td>Evans, David Howard</td>
<td>II.</td>
<td>'00</td>
<td>1513 N. 19th St., Philadelphia, Pa.</td>
</tr>
<tr>
<td>Everett, Frank Warren, Φ. B. E.</td>
<td>VI.</td>
<td>'97</td>
<td>Highland Park, Ill.</td>
</tr>
<tr>
<td>Everett, Frederic Elwin</td>
<td>I.</td>
<td>'00</td>
<td>Elkins, N. H.</td>
</tr>
<tr>
<td>Everett, Julian Franklin</td>
<td>S.</td>
<td></td>
<td>Madison, Wis.</td>
</tr>
<tr>
<td>Ewing, Charles</td>
<td>IV.</td>
<td>'97</td>
<td>1603 Rigg Pl., Washington, D. C.</td>
</tr>
<tr>
<td>Farnum, Dwight</td>
<td>III.</td>
<td>'99</td>
<td>24 Elm St., Brookline, Mass.</td>
</tr>
<tr>
<td>Farwell, Raymond Everett</td>
<td>II.</td>
<td>'00</td>
<td>Turner's Falls, Mass.</td>
</tr>
<tr>
<td>Faught, Ray Clinton</td>
<td>VI.</td>
<td>'98</td>
<td>Sidney, Me.</td>
</tr>
<tr>
<td>Faxon, William Aleck, X. Φ.</td>
<td>V.</td>
<td>'97</td>
<td>170 Linwood Ave., Buffalo, N. Y.</td>
</tr>
<tr>
<td>Fearing, Albert Justin</td>
<td>I.</td>
<td>'98</td>
<td>South Weymouth, Mass.</td>
</tr>
<tr>
<td>Feeley, Frank Goodrich</td>
<td>II.</td>
<td>'97</td>
<td>103 Appleton Ave., Pittsfield, Mass.</td>
</tr>
<tr>
<td>Fenner, David Colton, Ph.B.</td>
<td>S.</td>
<td></td>
<td>211 Fountain St., Providence, R. I.</td>
</tr>
<tr>
<td>Ferguson, Finley F., A.B., B.S., Σ.X.</td>
<td>IV.</td>
<td>'98</td>
<td>166 Freemason St., Norfolk, Va.</td>
</tr>
<tr>
<td>Ferguson, Robert Arthur</td>
<td>II.</td>
<td>'99</td>
<td>489 Broadway, South Boston.</td>
</tr>
<tr>
<td>Ferris, Robert Murray, Jr.</td>
<td>VI.</td>
<td>'97</td>
<td>Poughkeepsie, N. Y.</td>
</tr>
<tr>
<td>Field, Frederick Cromwell, Φ. B. E.</td>
<td>VI.</td>
<td>'97</td>
<td>138 Hicks St., Brooklyn, N. Y.</td>
</tr>
<tr>
<td>Fifield, Ethel Frances, A.B.</td>
<td>S.</td>
<td></td>
<td>17 Pleasant St., Salem, Mass.</td>
</tr>
<tr>
<td>Fifield, Frederick Alonzo</td>
<td>II.</td>
<td>'99</td>
<td>Methuen, Mass.</td>
</tr>
<tr>
<td>Fischer, Adolph Louis</td>
<td>VI.</td>
<td>'00</td>
<td>Salem, Mo.</td>
</tr>
<tr>
<td>Fisher, Howell, Δ. K. E.</td>
<td>X.</td>
<td>'98</td>
<td>105 Howland St., Roxbury, Mass.</td>
</tr>
<tr>
<td>Fiske, George Isaac, Φ. B. E.</td>
<td>VI.</td>
<td>'97</td>
<td>50 Elmore St., Roxbury, Mass.</td>
</tr>
<tr>
<td>Fitch, Francis Theodore</td>
<td>III.</td>
<td>'00</td>
<td>Watertown, N. Y.</td>
</tr>
<tr>
<td>Fitch, Stanley Gay Hyde, Δ. K. E.</td>
<td>X.</td>
<td>'00</td>
<td>14 Morrill St., Dorchester, Mass.</td>
</tr>
<tr>
<td>Fitzpatrick, William Leo</td>
<td></td>
<td>'00</td>
<td>269 Webster St., E. Boston, Mass.</td>
</tr>
<tr>
<td>Flanders, Herbert Merritt</td>
<td>I.</td>
<td>'00</td>
<td>291 Clifton St., Malden, Mass.</td>
</tr>
<tr>
<td>Fleet, John Wallace, Σ. A. E.</td>
<td>I.</td>
<td>'98</td>
<td>85 Park St., Fall River, Mass.</td>
</tr>
<tr>
<td>Fleisher, Simon</td>
<td>VI.</td>
<td>'98</td>
<td>24 Norman St., Boston, Mass.</td>
</tr>
<tr>
<td>Fleming, Charles Edwin</td>
<td>II.</td>
<td>'98</td>
<td>135 E. Main St., Spartanburg, S. C.</td>
</tr>
<tr>
<td>Fleemings, John Albert</td>
<td>VI.</td>
<td>'99</td>
<td>333 High St., Lowell, Mass.</td>
</tr>
<tr>
<td>Flynn, William Burwell</td>
<td>VI.</td>
<td>'99</td>
<td>64 Calhoun St., Springfield, Mass.</td>
</tr>
<tr>
<td>Fogerty, Emory Hartwell</td>
<td>XIII.</td>
<td>'98</td>
<td>51 John St., Worcester, Mass.</td>
</tr>
<tr>
<td>Fogg, Frank Batchelder</td>
<td>S.</td>
<td></td>
<td>Hampton Falls, N. H.</td>
</tr>
<tr>
<td>Forrest, Mabel Flora</td>
<td>VII.</td>
<td>'98</td>
<td>227 Westford St., Lowell, Mass.</td>
</tr>
<tr>
<td>Fosdick, Charles Mussey, Σ. A. E.</td>
<td>VI.</td>
<td>'00</td>
<td>128 Pritchard St., Fitchburg, Mass.</td>
</tr>
<tr>
<td>Foster, Floyd J.</td>
<td>III.</td>
<td>'00</td>
<td>705 Times Building, Pittsburg, Pa.</td>
</tr>
<tr>
<td>Foulkes, Edward</td>
<td>IV.</td>
<td>'99</td>
<td>821 Front St., Portland, Me.</td>
</tr>
<tr>
<td>Name and Fraternity</td>
<td>Course</td>
<td>Class</td>
<td>Home Address</td>
</tr>
<tr>
<td>-------------------------------</td>
<td>--------</td>
<td>--------</td>
<td>-------------------------------------</td>
</tr>
<tr>
<td>Fowle, Frank Fuller</td>
<td>VI</td>
<td>'99</td>
<td>557 Columbus Ave., Boston, Mass.</td>
</tr>
<tr>
<td>Fox, William Henry, Sigma Xi</td>
<td>IV</td>
<td>'97</td>
<td>420 E. Merrimack St., Lowell</td>
</tr>
<tr>
<td>Foye, Frederic Elmer</td>
<td>III</td>
<td>'00</td>
<td>182 Ash St., Brockton, Mass.</td>
</tr>
<tr>
<td>Frank, Mortimer</td>
<td>I</td>
<td>'97</td>
<td>233 Hamden Ct., Chicago, Ill.</td>
</tr>
<tr>
<td>Franklin, Arthur Ira</td>
<td>V</td>
<td>'97</td>
<td>115 Bellevue St., Newton, Mass.</td>
</tr>
<tr>
<td>Fraser, Matilda Alexandra</td>
<td>IV</td>
<td>'99</td>
<td>Cleveland, Ohio.</td>
</tr>
<tr>
<td>Frazer, Robert, Jr., Delta Psi</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>French, Abram</td>
<td>I</td>
<td>'98</td>
<td>Dedham, Mass.</td>
</tr>
<tr>
<td>Frink, Francis Guy</td>
<td>I</td>
<td>'00</td>
<td>604 30th Ave. S., Seattle, Wash.</td>
</tr>
<tr>
<td>Frink, Gerald</td>
<td>II</td>
<td>'00</td>
<td>604 30th Ave. S., Seattle, Wash.</td>
</tr>
<tr>
<td>Frothingham, Brooks, A. B.</td>
<td>IV</td>
<td></td>
<td>339 Marlboro St., Boston.</td>
</tr>
<tr>
<td>Frye, Albert Irvin</td>
<td>I</td>
<td>'98</td>
<td>Alameda, Cal.</td>
</tr>
<tr>
<td>Fuller, George Arthur, Phi B. E</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fulton, William Howard</td>
<td>X</td>
<td>'00</td>
<td>Chelmsford, Mass.</td>
</tr>
<tr>
<td>Fyfe, James L.</td>
<td>IV</td>
<td>'97</td>
<td>152 N. Main St., Springfield, Mass.</td>
</tr>
<tr>
<td>Gage, Du Relle, Phi B. E</td>
<td>S</td>
<td>'99</td>
<td>The Chelsea, New York City.</td>
</tr>
<tr>
<td>Gage, Frank de Meritte</td>
<td>II</td>
<td>'00</td>
<td>Bradford, Mass.</td>
</tr>
<tr>
<td>Gaillard, Lawrence Lee, A. T. U</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Gale, Gardner Manning</td>
<td>VI</td>
<td>'97</td>
<td>45 East Bay, Charleston, S. C.</td>
</tr>
<tr>
<td>Gallagher, Edward Gerald</td>
<td>IV</td>
<td>'99</td>
<td>Olean, N. Y.</td>
</tr>
<tr>
<td>Gallison, Ernest Augustus</td>
<td>II</td>
<td>'98</td>
<td>417 Home Ave., Oak Park, Ill.</td>
</tr>
<tr>
<td>Gardner, Lester Durand</td>
<td>I</td>
<td>'00</td>
<td>The Chelsea, New York City.</td>
</tr>
<tr>
<td>Gardner, Stephen Franklin</td>
<td>II</td>
<td>'00</td>
<td>144 Shurtlefs St., Chelsea, Mass.</td>
</tr>
<tr>
<td>Garrett, Christina Hallowell</td>
<td>IX</td>
<td>'98</td>
<td>Detroit, Mich.</td>
</tr>
<tr>
<td>Gaskill, Charles Sutter</td>
<td>II</td>
<td>'99</td>
<td>401 Charles St., Boston.</td>
</tr>
<tr>
<td>Gehring, Edwin Wagner</td>
<td>IX</td>
<td>'00</td>
<td>Mt. Holly, N. J.</td>
</tr>
<tr>
<td>Geiger, Arthur William</td>
<td>I</td>
<td>'99</td>
<td>137 Walton Ave., Cleveland, Ohio.</td>
</tr>
<tr>
<td>Gerber, Elmer Louis, Sigma A. E</td>
<td></td>
<td></td>
<td>330 Beacon St., Boston.</td>
</tr>
<tr>
<td>Gibbs, George Crocker</td>
<td>III</td>
<td>'99</td>
<td>21 S. Terry St., Dayton, Ohio.</td>
</tr>
<tr>
<td>Gibson, Austin Ely</td>
<td>I</td>
<td>'00</td>
<td>176 Pleasant St., New Bed'ld, Mass.</td>
</tr>
<tr>
<td>Gifford, Richard Tracy</td>
<td>VI</td>
<td>'00</td>
<td>41 Hayward St., Cleveland, Ohio.</td>
</tr>
<tr>
<td>Gill, James Seel</td>
<td>VI</td>
<td>'99</td>
<td>20 Pearl St., Flitchburg, Mass.</td>
</tr>
<tr>
<td>Gillson, Charles Burton</td>
<td>II</td>
<td>'99</td>
<td>Ludlow, Vt.</td>
</tr>
<tr>
<td>Gilman, Walter Eastman</td>
<td>X</td>
<td>'99</td>
<td>1554 Oak Ave., Evanston, Ill.</td>
</tr>
<tr>
<td>Gilmore, Jonathan Monroe, B. L.</td>
<td></td>
<td></td>
<td>202 S. Centre St., Marshall'twn, In.</td>
</tr>
<tr>
<td>Gilpin, Russell</td>
<td>VI</td>
<td>'97</td>
<td>Pasadena, Cal.</td>
</tr>
<tr>
<td>Gilson, Claude Ulmus</td>
<td>I</td>
<td>'99</td>
<td>1304 Brown St., Wilmington, Del.</td>
</tr>
<tr>
<td>Gilson, Henry Robbins</td>
<td>II</td>
<td>'00</td>
<td>Wellesley Hills, Mass.</td>
</tr>
<tr>
<td>Gladding, John Thomas Fiske</td>
<td>II</td>
<td>'98</td>
<td>Groton, Mass.</td>
</tr>
<tr>
<td>Gleason, George Hathaway</td>
<td>II</td>
<td>'98</td>
<td>573 Potters Ave., Providence, R. I.</td>
</tr>
<tr>
<td>Gleason, Walter Austin</td>
<td>I</td>
<td>'99</td>
<td>54 Bowdoin St., Dorchester, Mass.</td>
</tr>
<tr>
<td>Glover, Russell Henry, X. Phi</td>
<td>III</td>
<td>'00</td>
<td>Melrose Highlands, Mass.</td>
</tr>
<tr>
<td>Godbold, Charles Henry, Jr.</td>
<td>XIII</td>
<td>'98</td>
<td>Harrington, Me.</td>
</tr>
<tr>
<td>Goddard, John Newton</td>
<td>V</td>
<td>'98</td>
<td>150 Trenton St., E. Boston, Mass.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>205 E. 9th St., Plainfield, N. J.</td>
</tr>
<tr>
<td>NAME AND FRATERNITY</td>
<td>COURSE</td>
<td>CLASS</td>
<td>HOME ADDRESS</td>
</tr>
<tr>
<td>---------------------</td>
<td>--------</td>
<td>-------</td>
<td>--------------</td>
</tr>
<tr>
<td>Godfrey, Lucius William, Jr.</td>
<td>S.</td>
<td>793 Prospect Ave., Buffalo, N. Y.</td>
<td></td>
</tr>
<tr>
<td>Godfrey, William Hollis, Ph.B.</td>
<td>S.</td>
<td>Needham, Mass.</td>
<td></td>
</tr>
<tr>
<td>Goldsmith, Clarence</td>
<td>II.</td>
<td>Andover, Mass.</td>
<td></td>
</tr>
<tr>
<td>Gonzalez, Alberto Primitivo</td>
<td>III.</td>
<td>'99 Monterey, Mexico.</td>
<td></td>
</tr>
<tr>
<td>Goodridge, Frederick Stanley</td>
<td>II.</td>
<td>'00 101 High Rock Ave., Lynn, Mass.</td>
<td></td>
</tr>
<tr>
<td>Goodspeed, George Marston</td>
<td>IX.</td>
<td>'00 Weston, Mass.</td>
<td></td>
</tr>
<tr>
<td>Gowen, Sumner</td>
<td>S.</td>
<td>154 Maple St., Buffalo, N. Y.</td>
<td></td>
</tr>
<tr>
<td>Graf, Philip Louis</td>
<td>XIII.</td>
<td>'00 Pittsburg, Pa.</td>
<td></td>
</tr>
<tr>
<td>Graff, Sheldon Dermitt</td>
<td>I.</td>
<td>'00 520 Greenup St., Covington, Ky.</td>
<td></td>
</tr>
<tr>
<td>Grant, Harry Lamar</td>
<td>VI.</td>
<td>'98 38 Stanley St., Dorchester, Mass.</td>
<td></td>
</tr>
<tr>
<td>Gray, Albert Webster, S. X.</td>
<td>VI.</td>
<td>'97 651 Fairmont Ave., St. Paul, Minn.</td>
<td></td>
</tr>
<tr>
<td>Gray, Owen Herrick</td>
<td>XII.</td>
<td>'00 50 rue Bassane, Paris, France.</td>
<td></td>
</tr>
<tr>
<td>Greene, B. W. Batchelder, A.</td>
<td>II.</td>
<td>'99 19 Atherton St., Roxbury, Mass.</td>
<td></td>
</tr>
<tr>
<td>Greenlaw, Charles Rutherford</td>
<td>S.</td>
<td>Mystic, Conn.</td>
<td></td>
</tr>
<tr>
<td>Greer, Herbert Chester</td>
<td>VI.</td>
<td>Winthrop, Mass.</td>
<td></td>
</tr>
<tr>
<td>Griffin, Arthur Eugene</td>
<td>II.</td>
<td>'98 Amherst, Mass.</td>
<td></td>
</tr>
<tr>
<td>Grosvenor, Asa Waters, Ph. Y.</td>
<td>VIII.</td>
<td>'99 16 Grover St., Lynn, Mass.</td>
<td></td>
</tr>
<tr>
<td>Grover, Frederick Warren</td>
<td>XIII.</td>
<td>'99 40 Lee St., Cambridge, Mass.</td>
<td></td>
</tr>
<tr>
<td>Gurney, Ewing Rudolph</td>
<td>I.</td>
<td>'97 Garden St., Roslindale, Mass.</td>
<td></td>
</tr>
<tr>
<td>Guttridge, James Addison</td>
<td>II.</td>
<td>'98 10 Fenchurch St., Norfolk, Va.</td>
<td></td>
</tr>
<tr>
<td>Guy, James Ringold, B.S.</td>
<td>S.</td>
<td>Newburyport, Mass.</td>
<td></td>
</tr>
<tr>
<td>Hale, Benjamin, Jr.</td>
<td>X.</td>
<td>'00 30 Exeter St., Boston, Mass.</td>
<td></td>
</tr>
<tr>
<td>Hall, George Anthony</td>
<td>VII.</td>
<td>'00 Evanston, Ill.</td>
<td></td>
</tr>
<tr>
<td>Hall, Robert George</td>
<td>VI.</td>
<td>'00 427 Park Ave., Waverly, N. Y.</td>
<td></td>
</tr>
<tr>
<td>Hall, Stephen Minard</td>
<td>S.</td>
<td>Roslindale, Mass.</td>
<td></td>
</tr>
<tr>
<td>Ham, Clara Eleanor</td>
<td>VII.</td>
<td>'99 22 Dracut St., Dorchester, Mass.</td>
<td></td>
</tr>
<tr>
<td>Hamburger, Charles Meier</td>
<td>X.</td>
<td>'97 249 Lark St., Albany, N. Y.</td>
<td></td>
</tr>
<tr>
<td>Hamilton, Alfred Starr, A. T. A.</td>
<td>II.</td>
<td>'99 45 Forest St., Fond du Lac, Wis.</td>
<td></td>
</tr>
<tr>
<td>Hamilton, Arthur Little, O. X.</td>
<td>S.</td>
<td>20 Pleasant St., Augusta, Me.</td>
<td></td>
</tr>
<tr>
<td>Hammond, Clifford Robson</td>
<td>VI.</td>
<td>'00 294 Penna. Ave., Buffalo, N. Y.</td>
<td></td>
</tr>
<tr>
<td>Hammond, Edward Hosmer, Ph. B. E.</td>
<td>V.</td>
<td>'99 Asbury Park, N. J.</td>
<td></td>
</tr>
<tr>
<td>Hanson, Harry Christian</td>
<td>V.</td>
<td>'00 484 Broadway, Everett, Mass.</td>
<td></td>
</tr>
<tr>
<td>Hapgood, Cyrus Howard, A.</td>
<td>I.</td>
<td>'99 Athol Centre, Mass.</td>
<td></td>
</tr>
<tr>
<td>Hapgood, Lyman Proctor</td>
<td>II.</td>
<td>'99 135 51st St., Chicago, Ill.</td>
<td></td>
</tr>
<tr>
<td>Harahan, James Thomas, Jr., S. X.</td>
<td>I.</td>
<td>'00 Nantucket, Mass.</td>
<td></td>
</tr>
<tr>
<td>Harps, Harry Macy</td>
<td>S.</td>
<td>Revere, Mass.</td>
<td></td>
</tr>
<tr>
<td>Harriman, Susan Sigourney</td>
<td>II.</td>
<td>'98 620 Miami St., Leavenworth, Kan.</td>
<td></td>
</tr>
<tr>
<td>Harrison, Alfred William</td>
<td>III.</td>
<td>'99 210 W. Lake St., Minn’p’lis, Minn.</td>
<td></td>
</tr>
<tr>
<td>Name and Fraternity</td>
<td>Course</td>
<td>Class</td>
<td>Home Address</td>
</tr>
<tr>
<td>------------------------------------------</td>
<td>--------</td>
<td>-------</td>
<td>--------------------------------</td>
</tr>
<tr>
<td>Harrison, Richard Carter</td>
<td>S.</td>
<td></td>
<td>Braintree, Mass.</td>
</tr>
<tr>
<td>Hartt, William Stephen</td>
<td>I.</td>
<td>'00</td>
<td>285 Fairmount St., Hyde Park.</td>
</tr>
<tr>
<td>Hasbrouck, Ross</td>
<td>VIII.</td>
<td>'99</td>
<td>75 Market St., Poughkeepsie, N.Y.</td>
</tr>
<tr>
<td>Haskelton, Barton</td>
<td>II.</td>
<td>'00</td>
<td>118 W. Garden St., Rome, N.Y.</td>
</tr>
<tr>
<td>Haskell, George Owens, K. A.</td>
<td>II.</td>
<td>'98</td>
<td>88 State St., Savannah, Ga.</td>
</tr>
<tr>
<td>Haskins, Charles Nelson</td>
<td>VIII.</td>
<td>'97</td>
<td>87 Chestnut St., New Bedford.</td>
</tr>
<tr>
<td>Hatch, George Franklin</td>
<td>S.</td>
<td></td>
<td>Dedham, Mass.</td>
</tr>
<tr>
<td>Hatch, Israel, Jr.</td>
<td>X.</td>
<td>'97</td>
<td>Hanover, Mass.</td>
</tr>
<tr>
<td>Hawes, Alexander G., Jr., S. A. E.</td>
<td>VI.</td>
<td>'98</td>
<td>Mills Building, San Francisco, Cal.</td>
</tr>
<tr>
<td>Hawkins, Edgar Marvin</td>
<td>II.</td>
<td>'97</td>
<td>107 Maple St., W. Roxbury, Cal.</td>
</tr>
<tr>
<td>Hayden, Fred Lawrence</td>
<td>X.</td>
<td>'98</td>
<td>28 Holt St., Fitchburg, Mass.</td>
</tr>
<tr>
<td>Hayden, Joseph Alonzo</td>
<td>S.</td>
<td></td>
<td>East Hartford, Conn.</td>
</tr>
<tr>
<td>Hayward, Nathan, A. B.</td>
<td>VI.</td>
<td>'97</td>
<td>85 Brattle St., Cambridge, Mass.</td>
</tr>
<tr>
<td>Hayward, Royal Hobart</td>
<td>VI.</td>
<td>'97</td>
<td>18 Holborn St., Roxbury, Mass.</td>
</tr>
<tr>
<td>Hazard, William Abbott, S. X.</td>
<td>S.</td>
<td></td>
<td>723 3d St., Des Moines, Ia.</td>
</tr>
<tr>
<td>Hazeltine, Benjamin Prescott, Jr.</td>
<td>VI.</td>
<td>'99</td>
<td>Belfast, Me.</td>
</tr>
<tr>
<td>Hazeltine, James Ezra</td>
<td>VI.</td>
<td>'98</td>
<td>Warren, Pa.</td>
</tr>
<tr>
<td>Healey, Benjamin Francis</td>
<td>VI.</td>
<td>'97</td>
<td>602 Tremont St., Boston, Mass.</td>
</tr>
<tr>
<td>Healy, Frederick Elliott</td>
<td>II.</td>
<td>'97</td>
<td>East Providence, R. I.</td>
</tr>
<tr>
<td>Hearne, William Lowder</td>
<td>I.</td>
<td>'00</td>
<td>Wheeling, West Virginia</td>
</tr>
<tr>
<td>Heathman, Frank Boltin</td>
<td>IV.</td>
<td>'97</td>
<td>Dayton, Ohio</td>
</tr>
<tr>
<td>Heckle, George Rogers</td>
<td>I.</td>
<td>'99</td>
<td>55 Moreland St., Roxbury, Mass.</td>
</tr>
<tr>
<td>Heghianian, Garabed G., A.B.</td>
<td>I.</td>
<td>'99</td>
<td>Marsh, Turkey</td>
</tr>
<tr>
<td>Heisler, Edward Rudolph, S. X.</td>
<td>V.</td>
<td>'97</td>
<td>4427 Grand Boulevard, Chicago.</td>
</tr>
<tr>
<td>Heitzu, Samuel Parks</td>
<td>VI.</td>
<td>'97</td>
<td>512 E. King St., Lancaster, Pa.</td>
</tr>
<tr>
<td>Hemmings, Frederick John</td>
<td>V.</td>
<td>'97</td>
<td>9 Sussex St., Boston, Mass.</td>
</tr>
<tr>
<td>Henry, Ralph Coolidge, S.B.</td>
<td>S.</td>
<td></td>
<td>Watertown, Mass.</td>
</tr>
<tr>
<td>Herbert, Edward</td>
<td>VI.</td>
<td>'99</td>
<td>Broad Run, Va.</td>
</tr>
<tr>
<td>Herling, Oswald C., A. K. E.</td>
<td>IV.</td>
<td>'97</td>
<td>277 Pearl St., New York, N.Y.</td>
</tr>
<tr>
<td>Herman, Bernard</td>
<td>I.</td>
<td>'99</td>
<td>738 7th St., N. W. Wash'n, D. C.</td>
</tr>
<tr>
<td>Hermanns, Frank Edward</td>
<td>I.</td>
<td>'99</td>
<td>400 Broadway, Denver, Colo.</td>
</tr>
<tr>
<td>Hern, Joseph Louis</td>
<td>VI.</td>
<td>'99</td>
<td>34 Sidney St., Dorchester, Mass.</td>
</tr>
<tr>
<td>Hewins, Lyman Foster</td>
<td>XIII.</td>
<td>'98</td>
<td>353 Wash'n St., Dorchester, Mass.</td>
</tr>
<tr>
<td>Hewitt, Ed. Hawley, A.B., A. Δ. Φ.</td>
<td>S.</td>
<td></td>
<td>Red Wing, Minn.</td>
</tr>
<tr>
<td>Hicks, Anna Cordelia</td>
<td>S.</td>
<td></td>
<td>Cheyenne, Wyo.</td>
</tr>
<tr>
<td>Higgins, John Mitchell, X. Φ.</td>
<td>III.</td>
<td>'00</td>
<td>25 Boswell Ave., Norwich, Conn.</td>
</tr>
<tr>
<td>High, Carl Stout</td>
<td>VI.</td>
<td>'98</td>
<td>Arlington, Kansas</td>
</tr>
<tr>
<td>Hill, Grace Mary</td>
<td>S.</td>
<td></td>
<td>62 Market St., Amesbury, Mass.</td>
</tr>
<tr>
<td>Hill, William Gilbert, Jr.</td>
<td>V.</td>
<td>'97</td>
<td>84 Converse Ave., Malden, Mass.</td>
</tr>
<tr>
<td>Hinckley, Benjamin Stearns</td>
<td>II.</td>
<td>'98</td>
<td>Woburn, Mass.</td>
</tr>
<tr>
<td>Hinckley, Everett Hale</td>
<td>VI.</td>
<td>'99</td>
<td>Hyannis, Mass.</td>
</tr>
<tr>
<td>Hinman, Dean</td>
<td>II.</td>
<td>'99</td>
<td>158 Williams St., Taunton, Mass.</td>
</tr>
<tr>
<td>Hodsdson, Charles Wentworth</td>
<td>II.</td>
<td>'00</td>
<td>148 Allston St., Cambridgeport.</td>
</tr>
<tr>
<td>Hoefler, Philo Remington, B.S.</td>
<td>S.</td>
<td></td>
<td>Ilion, N. Y.</td>
</tr>
<tr>
<td>NAME AND FRATERNITY</td>
<td>COURSE</td>
<td>CLASS</td>
<td>HOME ADDRESS</td>
</tr>
<tr>
<td>---------------------</td>
<td>--------</td>
<td>-------</td>
<td>--------------</td>
</tr>
<tr>
<td>Hoit, Henry Ford, Δ. K. E.</td>
<td>S.</td>
<td></td>
<td>3916 Lake Avenue, Chicago, Ill.</td>
</tr>
<tr>
<td>Holabird, Robert Grant, Σ. X.</td>
<td>IV.</td>
<td>'99</td>
<td>1500 Oak Ave., Evanston, Ill.</td>
</tr>
<tr>
<td>Holbrook, George Myron</td>
<td>II.</td>
<td>'00</td>
<td>116 Chestnut St., Cambridgeport.</td>
</tr>
<tr>
<td>Holliday, Alexander R., Χ. Φ.</td>
<td>I.</td>
<td>'99</td>
<td>601 N. Meridan St., Indianapolis.</td>
</tr>
<tr>
<td>Holmes, Edward Lowther, Δ. T. Δ.</td>
<td>S.</td>
<td></td>
<td>Alameda, Cal.</td>
</tr>
<tr>
<td>Holmes, Merton Austin</td>
<td>II.</td>
<td>'99</td>
<td>Newton Highlands, Mass.</td>
</tr>
<tr>
<td>Hooker, Stanleyagar</td>
<td>II.</td>
<td>'98</td>
<td>3639 Reading Road, Avondale, O.</td>
</tr>
<tr>
<td>HopeMAN, Bertram Cornelius</td>
<td>IV.</td>
<td>'00</td>
<td>39 Lake View Pk., Roch'er, N. Y.</td>
</tr>
<tr>
<td>Hopkins, HEBER Augustus</td>
<td>II.</td>
<td>'98</td>
<td>276 Pearl St., Cambri'port, Mass.</td>
</tr>
<tr>
<td>Hopkins, Robert Milne</td>
<td>VI.</td>
<td>'00</td>
<td>610 Cambridge St., Allston, Mass.</td>
</tr>
<tr>
<td>Hopwood, Cora Stella</td>
<td>VIII.</td>
<td>'00</td>
<td>205 Austin St., Worcester, Mass.</td>
</tr>
<tr>
<td>Horgan, John Dennis</td>
<td>VI.</td>
<td>'98</td>
<td>1 Leeds St., Dorchester, Mass.</td>
</tr>
<tr>
<td>Horsey, Outerbridge, Jr., A. H.</td>
<td>VI.</td>
<td>'98</td>
<td>Burkittsville, Md.</td>
</tr>
<tr>
<td>Horton, Ralph Tucker</td>
<td>I.</td>
<td>'98</td>
<td>Foxboro, Mass.</td>
</tr>
<tr>
<td>Hosford, Roger FULLer</td>
<td>V.</td>
<td>'97</td>
<td>19 Burlington Ave., Boston, Mass.</td>
</tr>
<tr>
<td>Hosmer, George Leonard</td>
<td>I.</td>
<td>'97</td>
<td>350 Salem St., Woburn, Mass.</td>
</tr>
<tr>
<td>Hough, Elizabeth E.</td>
<td>S.</td>
<td></td>
<td>48 Rutland Sq., Boston, Mass.</td>
</tr>
<tr>
<td>Hough, William Baldwin, Δ. T.</td>
<td>II.</td>
<td>'00</td>
<td>705 W. 3d St., Williamsport, Pa.</td>
</tr>
<tr>
<td>House, John Henry, Jr.</td>
<td>IV.</td>
<td>'98</td>
<td>Salonica, Turkey.</td>
</tr>
<tr>
<td>Howard, Arthur Fiske, B.S., Χ. Φ.</td>
<td>VII.</td>
<td>'98</td>
<td>36 Middle St., Portsmouth, N. H.</td>
</tr>
<tr>
<td>Howard, EthaN Henry, Δ. T.</td>
<td>VI.</td>
<td>'97</td>
<td>141 W. Chippewa St., Buffalo, N.Y.</td>
</tr>
<tr>
<td>Howard, Sheldon Leavitt, Φ. B. E.</td>
<td>IX.</td>
<td>'97</td>
<td>46 Somersett Ave., Taunton, Mass.</td>
</tr>
<tr>
<td>Howe, Herbert Holmes</td>
<td>II.</td>
<td>'00</td>
<td>13 Townsend St., Roxbury, Mass.</td>
</tr>
<tr>
<td>Howes, Benjamin Alfred</td>
<td>VI.</td>
<td>'97</td>
<td>36 Marlboro St., Keene, N. H.</td>
</tr>
<tr>
<td>Howland, Richard Stanley, Θ. Ξ.</td>
<td>IX.</td>
<td>'97</td>
<td>69 Manning St., Providence, R. I.</td>
</tr>
<tr>
<td>Hoxie, Timothy Wright, Θ. Ξ.</td>
<td>II.</td>
<td>'99</td>
<td>244 Walnut Ave., Roxbury, Mass.</td>
</tr>
<tr>
<td>Hubbard, Chester Dimock</td>
<td>VI.</td>
<td>'97</td>
<td>134 W. Newton St., Boston, Mass.</td>
</tr>
<tr>
<td>Hubbard, Jesse Branch</td>
<td>IV.</td>
<td>'98</td>
<td>79 Francis Ave., Pittsfield, Mass.</td>
</tr>
<tr>
<td>Hubbard, William Henry</td>
<td>VI.</td>
<td>'00</td>
<td>Charleston, S. C.</td>
</tr>
<tr>
<td>Hubbard, Winifred Dean</td>
<td>XI.</td>
<td>'98</td>
<td>Concord, Mass.</td>
</tr>
<tr>
<td>Hughes, Charles Haynes</td>
<td>II.</td>
<td>'00</td>
<td>5 Concord Sq., Boston, Mass.</td>
</tr>
<tr>
<td>Hume, George Seward</td>
<td>VI.</td>
<td>'99</td>
<td>Eastport, Me.</td>
</tr>
<tr>
<td>Humphrey, Seth King</td>
<td>S.</td>
<td></td>
<td>16 Berwick Park, Boston, Mass.</td>
</tr>
<tr>
<td>Humphreys, Walter, Δ. K. E.</td>
<td>II.</td>
<td>'97</td>
<td>Humphreys Pl., Dorchester, Mass.</td>
</tr>
<tr>
<td>Hunnewell, Frederick Allen</td>
<td>XIII.</td>
<td>'97</td>
<td>18 Orchard St., Cambridge, Mass.</td>
</tr>
<tr>
<td>Hunt, Harry Burleigh, Σ. X.</td>
<td>II.</td>
<td>'97</td>
<td>378 7th St., Brooklyn, N. Y.</td>
</tr>
<tr>
<td>Hunt, Harry Draper</td>
<td>IX.</td>
<td>'97</td>
<td>North Attleboro, Mass.</td>
</tr>
<tr>
<td>Hunt, Harry Leigh</td>
<td>VI.</td>
<td>'00</td>
<td>Willimantic, Conn.</td>
</tr>
<tr>
<td>Hunt, Herman Reynolds</td>
<td>XIII.</td>
<td>'00</td>
<td>101 Court St., New Bedford, Mass.</td>
</tr>
<tr>
<td>Huntington, Geo. Danforth, A.B.</td>
<td>I.</td>
<td>'98</td>
<td>526 West St., Rochester, N. Y.</td>
</tr>
<tr>
<td>Hurd, WilliaM Robinson</td>
<td>II.</td>
<td>'00</td>
<td>8 Butler St., Dorchester, Mass.</td>
</tr>
<tr>
<td>HUSKEY, James Whittlesey</td>
<td>XIII.</td>
<td>'00</td>
<td>1531 Cherry St., Toledo, Ohio.</td>
</tr>
<tr>
<td>NAME AND FRATERNITY</td>
<td>COURSE</td>
<td>CLASS</td>
<td>HOME ADDRESS</td>
</tr>
<tr>
<td>---------------------</td>
<td>--------</td>
<td>-------</td>
<td>--------------</td>
</tr>
<tr>
<td>Hutchinson, George Anthony</td>
<td>II</td>
<td>'98</td>
<td>14 Wales St., Dorchester, Mass.</td>
</tr>
<tr>
<td>Hyde, Anna Farwell</td>
<td>S</td>
<td></td>
<td>360 Commonwealth Ave., Boston.</td>
</tr>
<tr>
<td>Hyde, William Francis</td>
<td>S</td>
<td></td>
<td>79 Beacon St., Hyde Park, Mass.</td>
</tr>
<tr>
<td>Ilsley, John Parker, Jr., Δ. Ψ</td>
<td>II</td>
<td>'97</td>
<td>E. Walnut Av., Germantown, Pa.</td>
</tr>
<tr>
<td>Ingalls, Frederick Du Bois</td>
<td>II</td>
<td>'00</td>
<td>619 Broadway, Kingston, N. Y.</td>
</tr>
<tr>
<td>Ingham, Harry Creighton, Δ. K. E.</td>
<td>IV</td>
<td>'98</td>
<td>229 Ocean St., Lynn, Mass.</td>
</tr>
<tr>
<td>Jackson, Allen W., Δ. K. E.</td>
<td>IV</td>
<td>'97</td>
<td>33 Coolidge St., Brookline, Mass.</td>
</tr>
<tr>
<td>Jackson, George Otis</td>
<td>S</td>
<td></td>
<td>Lexington, Mass.</td>
</tr>
<tr>
<td>Jackson, Willard Franklin</td>
<td>IV</td>
<td>'00</td>
<td>560 Summer St., Campello, Mass.</td>
</tr>
<tr>
<td>Jacoby, Areli Hull</td>
<td>V</td>
<td>'98</td>
<td>144 W. F‘klin St., Wilkesbarre, Pa.</td>
</tr>
<tr>
<td>James, Henry Philip</td>
<td>S.VI</td>
<td></td>
<td>Kendall Green, Mass.</td>
</tr>
<tr>
<td>Jenkins, Lawrence Waters, A.B.</td>
<td>III</td>
<td>'00</td>
<td>125 St. Botolph St., Boston.</td>
</tr>
<tr>
<td>Jennings, Arthur Lewis</td>
<td>II</td>
<td>'97</td>
<td>Deep River, Conn.</td>
</tr>
<tr>
<td>Jennings, Levi Brown</td>
<td>I</td>
<td>'00</td>
<td>Weston, Mass.</td>
</tr>
<tr>
<td>Jennings, Walter Upham</td>
<td>I</td>
<td>'00</td>
<td>Newton Lower Falls, Mass.</td>
</tr>
<tr>
<td>Johnson, Arthur Albert, A.B.</td>
<td>S</td>
<td></td>
<td>Irvington, Ind.</td>
</tr>
<tr>
<td>Johnson, Carl Francis</td>
<td>II</td>
<td>'00</td>
<td>120 Sycamore, St., Milwaukee, Wis.</td>
</tr>
<tr>
<td>Johnson, Charles Chaplin</td>
<td>X</td>
<td>'00</td>
<td>Danversport, Mass.</td>
</tr>
<tr>
<td>Johnson, Daniel Stewart</td>
<td>S</td>
<td></td>
<td>Short Hills, N. J.</td>
</tr>
<tr>
<td>Johnson, Edward, Jr., Θ. Ε.</td>
<td>I</td>
<td>'98</td>
<td>178 Marlboro St., Boston, Mass.</td>
</tr>
<tr>
<td>Johnson, Josephine Forbush</td>
<td>S</td>
<td></td>
<td>393 Beacon St., Boston, Mass.</td>
</tr>
<tr>
<td>Johnson, Lane</td>
<td>II</td>
<td>'99</td>
<td>338 Olive St., Kansas City, Mo.</td>
</tr>
<tr>
<td>Johnson, Paul Franklin</td>
<td>II</td>
<td>'98</td>
<td>67 Westland Ave., Boston, Mass.</td>
</tr>
<tr>
<td>Jones, Bassett, Jr., Δ. T.</td>
<td>VI</td>
<td>'99</td>
<td>207 W. 84th St., New York City.</td>
</tr>
<tr>
<td>Jones, Frederick Hooper</td>
<td>V</td>
<td>'98</td>
<td>South Lincoln, Mass.</td>
</tr>
<tr>
<td>Jones, Harold Wellington</td>
<td>VII</td>
<td>'98</td>
<td>South Lincoln, Mass.</td>
</tr>
<tr>
<td>Jones, Samuel Fosdick, Δ. Ψ</td>
<td>S</td>
<td></td>
<td>228 W. 7th St., Cincinnati, Ohio.</td>
</tr>
<tr>
<td>Jones, Sullivan Williams, Δ. Y.</td>
<td>XIII</td>
<td>'00</td>
<td>207 W. 84th St., New York City.</td>
</tr>
<tr>
<td>Jouett, Henry Detrick</td>
<td>I</td>
<td>'00</td>
<td>31 Chester St., Somerville, Mass.</td>
</tr>
<tr>
<td>Kattelle, Walter Roby</td>
<td>IV</td>
<td>'00</td>
<td>Auburndale, Mass.</td>
</tr>
<tr>
<td>Kaufman, Irvin Hayes</td>
<td>II</td>
<td>'98</td>
<td>University Road, Brookline, Mass.</td>
</tr>
<tr>
<td>Keene, Arthur Samuel</td>
<td>IV</td>
<td>'98</td>
<td>41 Murdock St., Brighton, Mass.</td>
</tr>
<tr>
<td>Keisker, Frank Henry</td>
<td>IV</td>
<td>'97</td>
<td>533 E. Chestnut St., Louisville, Ky.</td>
</tr>
<tr>
<td>Keith, Leigh Shelton</td>
<td>VI</td>
<td>'00</td>
<td>North Easton, Mass.</td>
</tr>
<tr>
<td>Keith, Simeon Curtis, Jr., S.B.</td>
<td>S</td>
<td></td>
<td>4 Romsey St., Dorchester, Mass.</td>
</tr>
<tr>
<td>Kelley, Horace Alcinous</td>
<td>II</td>
<td>'98</td>
<td>914 N. 6th St., Burlington, Iowa.</td>
</tr>
<tr>
<td>Kelley, William</td>
<td>S</td>
<td></td>
<td>118 Mt. Wash’in St., Lowell, Mass.</td>
</tr>
<tr>
<td>Kellogg, Franklin Miner</td>
<td>VI</td>
<td>'98</td>
<td>West Stanford, Conn.</td>
</tr>
<tr>
<td>Kelly, John Francis</td>
<td>S</td>
<td></td>
<td>Meade Ave., Passaic, N. J.</td>
</tr>
<tr>
<td>Kendall, Robert Everett</td>
<td>V</td>
<td>'98</td>
<td>193 Fairmont Ave., Hyde Park.</td>
</tr>
<tr>
<td>Keniston, James Augustus</td>
<td>S</td>
<td></td>
<td>Hospital for Insane, Middletown.</td>
</tr>
<tr>
<td>Kennedy, Mildred</td>
<td>S</td>
<td></td>
<td>Readville, Mass.</td>
</tr>
<tr>
<td>Kent, William Albert</td>
<td>I</td>
<td>'96</td>
<td>496 Columbus Ave., Boston, Mass.</td>
</tr>
<tr>
<td>Keys, Harry Montifix</td>
<td>VI</td>
<td>'99</td>
<td>Linden, Md.</td>
</tr>
<tr>
<td>NAME AND FRATERNITY</td>
<td>COURSE</td>
<td>CLASS</td>
<td>HOME ADDRESS</td>
</tr>
<tr>
<td>-------------------------------------</td>
<td>--------</td>
<td>-------</td>
<td>--------------------------------</td>
</tr>
<tr>
<td>Kimball, Walter Everard</td>
<td>XIII</td>
<td>'98</td>
<td>1 Robin Hood St., Dorchester.</td>
</tr>
<tr>
<td>Kimberly, Albert Elliott</td>
<td>V</td>
<td>'97</td>
<td>8 Lester Pl., Jamaica Plain, Mass.</td>
</tr>
<tr>
<td>King, George Ilgenfritz</td>
<td>S</td>
<td></td>
<td>Middletown, Pa.</td>
</tr>
<tr>
<td>King, William Braman</td>
<td>VI</td>
<td>'97</td>
<td>11 Merlin St., Dorchester, Mass.</td>
</tr>
<tr>
<td>Kingsbury, Ivy Anna</td>
<td>S</td>
<td></td>
<td>237 Park St., Newton, Mass.</td>
</tr>
<tr>
<td>Kinsman, William Abbott, 0, Ε</td>
<td>II</td>
<td>'99</td>
<td>24 Church St., Salem, Mass.</td>
</tr>
<tr>
<td>Kleinschmidt, Frederick</td>
<td>S</td>
<td></td>
<td>34 Savin St., Roxbury, Mass.</td>
</tr>
<tr>
<td>Knight, George Horace</td>
<td>II</td>
<td>'97</td>
<td>Hudson, Mass.</td>
</tr>
<tr>
<td>Knight, George Washington</td>
<td>V</td>
<td>'00</td>
<td>38 Rosseter St., Dorchester, Mass.</td>
</tr>
<tr>
<td>Koch, Carleton Spayth, X. Φ</td>
<td>V</td>
<td>'98</td>
<td>1140 Main St., Buffalo, N. Y.</td>
</tr>
<tr>
<td>Kruse, Conrad Frederick, 0, θ</td>
<td>IV</td>
<td>'99</td>
<td>518 W. 5th St., Davenport, Iowa.</td>
</tr>
<tr>
<td>Kuttroff, Edwin</td>
<td>X</td>
<td>'98</td>
<td>17 E. 69th St., New York City.</td>
</tr>
<tr>
<td>Lacaff, Florian Leo</td>
<td>S</td>
<td></td>
<td>Nevada, Mo.</td>
</tr>
<tr>
<td>Lacy, Robert, A.B.</td>
<td>I</td>
<td>'98</td>
<td>1630 Linden Ave., Baltimore, Md.</td>
</tr>
<tr>
<td>Laing, Minerva Abigail</td>
<td>S</td>
<td></td>
<td>Granville, N. Y.</td>
</tr>
<tr>
<td>Lamb, Augustus Clark, Δ. T.</td>
<td>X</td>
<td>'97</td>
<td>26 Mt. Vernon St., Camb'ge, Mass.</td>
</tr>
<tr>
<td>Lambert, Fred De Forest</td>
<td>VII</td>
<td>'99</td>
<td>283 Pawtucket St., Lowell, Mass.</td>
</tr>
<tr>
<td>Landor, Ruth Ella</td>
<td>S</td>
<td></td>
<td>12 Story St., Cambridge, Mass.</td>
</tr>
<tr>
<td>Lane, Edward Percy</td>
<td>I</td>
<td>'98</td>
<td>Manchester, Mass.</td>
</tr>
<tr>
<td>Langford, Grace</td>
<td>VIII</td>
<td>'98</td>
<td>Chiltonville, Plymouth, Mass.</td>
</tr>
<tr>
<td>Lansingh, Van Rensselaer B.S.</td>
<td>S</td>
<td></td>
<td>5109 Kimbark Ave., Chicago, Ill.</td>
</tr>
<tr>
<td>Larcrome, John Southey, Jr.</td>
<td></td>
<td></td>
<td>1815 H. St.N.W., Wash'gton, D C.</td>
</tr>
<tr>
<td>Larrabee, John Herber</td>
<td>I</td>
<td>'98</td>
<td>34 Foster St., Melrose, Mass.</td>
</tr>
<tr>
<td>Lathrop, Fred Haskins</td>
<td>I</td>
<td>'99</td>
<td>10 Summer St., Charlesto'n, Mass.</td>
</tr>
<tr>
<td>Lawler, George Sherriffs</td>
<td>VI</td>
<td>'97</td>
<td>259 Webster St., E. Boston, Mass.</td>
</tr>
<tr>
<td>Lawley, Arthur Crosbie</td>
<td>II</td>
<td>'98</td>
<td>60 N St., S. Boston, Mass.</td>
</tr>
<tr>
<td>Lawley, Frederick Damon</td>
<td>XIII</td>
<td>'00</td>
<td>47 M St., S. Boston, Mass.</td>
</tr>
<tr>
<td>Lawrence, Amos Amory, A.B.</td>
<td>S</td>
<td></td>
<td>59 Commonwealth Ave., Boston.</td>
</tr>
<tr>
<td>Lawrence, Herbert Everett</td>
<td>VI</td>
<td>'99</td>
<td>Ayer, Mass.</td>
</tr>
<tr>
<td>Lawrence, Lewis Morse</td>
<td>IV</td>
<td>'00</td>
<td>9 Brant St., Dorchester, Mass.</td>
</tr>
<tr>
<td>Leach, George Henry</td>
<td>III</td>
<td>'00</td>
<td>Campello, Mass.</td>
</tr>
<tr>
<td>Leach, Robert Howland</td>
<td>II</td>
<td>'00</td>
<td>28 W. Elm St., Brockton, Mass.</td>
</tr>
<tr>
<td>Leach, William Henry, Jr.</td>
<td>II</td>
<td>'97</td>
<td>176 Macon St., Brooklyn, N. Y.</td>
</tr>
<tr>
<td>Leadbetter, Florence Eugenie</td>
<td>S</td>
<td></td>
<td>867 South St., Roslindale, Mass.</td>
</tr>
<tr>
<td>Learnd, Harrington De Witt</td>
<td>S</td>
<td></td>
<td>50 Worcester St., Boston.</td>
</tr>
<tr>
<td>Learned, Ernest Freeman</td>
<td>VI</td>
<td>'97</td>
<td>15 Irving St., Watertown, Mass.</td>
</tr>
<tr>
<td>Learned, Willis Lathrop</td>
<td>V</td>
<td>'98</td>
<td>15 Irving St., Watertown, Mass.</td>
</tr>
<tr>
<td>Leary, Charles Arthur</td>
<td>II</td>
<td>'00</td>
<td>79 Charles St., Waltham, Mass.</td>
</tr>
<tr>
<td>Leatherbee, Albert Thompson</td>
<td>V</td>
<td>'99</td>
<td>85 Westland Ave., Boston.</td>
</tr>
<tr>
<td>Leavitt, Henry Foss</td>
<td>I</td>
<td>'99</td>
<td>Saco, Me.</td>
</tr>
<tr>
<td>Le Baron, Frederic Nelson, Δ. T.</td>
<td>IV</td>
<td>'97</td>
<td>7 Courtland St., Middleboro, Mass.</td>
</tr>
<tr>
<td>Lee, Walter Henry</td>
<td>IV</td>
<td>'98</td>
<td>Home City, Ohio.</td>
</tr>
<tr>
<td>Lee, William Louis</td>
<td>VI</td>
<td>'97</td>
<td>1319 Hinman Ave., Evanston, Ill.</td>
</tr>
<tr>
<td>Leeds, Charles Tileston</td>
<td>IV</td>
<td>'00</td>
<td>Newton, Mass.</td>
</tr>
<tr>
<td>Lennan, Thomas Frank</td>
<td>V</td>
<td>'99</td>
<td>Belmont, Mass.</td>
</tr>
<tr>
<td>NAME AND FRATERNITY</td>
<td>COURSE</td>
<td>CLASS</td>
<td>HOME ADDRESS</td>
</tr>
<tr>
<td>----------------------------------------</td>
<td>--------</td>
<td>-------</td>
<td>--------------------------------</td>
</tr>
<tr>
<td>Leonard, Clifford Milton, Δ. T. Δ.</td>
<td>I.</td>
<td>'00</td>
<td>2301 Michigan Ave., Chicago, Ill.</td>
</tr>
<tr>
<td>Lewis, Joseph Elliott</td>
<td>II.</td>
<td>'99</td>
<td>Centerville, Mass.</td>
</tr>
<tr>
<td>Lewis, Rondel</td>
<td>V.</td>
<td>'00</td>
<td>21 Hillside Ave., Malden, Mass.</td>
</tr>
<tr>
<td>Lippincott, Jesse Treadwell</td>
<td>X.</td>
<td>'98</td>
<td>Mt. Auburn, Cincinnati, Ohio.</td>
</tr>
<tr>
<td>Lingsley, Frederick Cleland, Φ. B. E.</td>
<td>I.</td>
<td>'00</td>
<td>1625 Conn. Ave., Wash'gt'n, D.C.</td>
</tr>
<tr>
<td>Litchman, Harold Bartlett</td>
<td>II.</td>
<td>'00</td>
<td>28 Ash St., Cambridge, Mass.</td>
</tr>
<tr>
<td>Little, Edmund Cook</td>
<td>III.</td>
<td>'00</td>
<td>Marblehead, Mass.</td>
</tr>
<tr>
<td>Littlefield, Homer</td>
<td>IV.</td>
<td>'98</td>
<td>77 Mansur St., Lowell, Mass.</td>
</tr>
<tr>
<td>Locke, Harriet Frances</td>
<td>VI.</td>
<td>'00</td>
<td>1813 3d Ave., West Troy, N. Y.</td>
</tr>
<tr>
<td>Lohbiller, Harry John</td>
<td>S.</td>
<td></td>
<td>Nashua, N. H.</td>
</tr>
<tr>
<td>Lombard, Alfred Waldo</td>
<td>II.</td>
<td>'98</td>
<td>1 Cranston St., Jamaica Plain.</td>
</tr>
<tr>
<td>Lombard, Percival Hall, A. B.</td>
<td>II.</td>
<td>'98</td>
<td>Wayland, Mass.</td>
</tr>
<tr>
<td>Long, John William</td>
<td>VI.</td>
<td>'00</td>
<td>71 Moulton St., Charleston, Mass.</td>
</tr>
<tr>
<td>Long, Margaret, A. B.</td>
<td>S.</td>
<td></td>
<td>Hingham, Mass.</td>
</tr>
<tr>
<td>Long, Zourie H.</td>
<td>XIII.</td>
<td>'98</td>
<td>36 N. Franklin St., Wilkesbarre.</td>
</tr>
<tr>
<td>Loomis, Henry Meech</td>
<td>V.</td>
<td>'97</td>
<td>Yokohama, Japan</td>
</tr>
<tr>
<td>Lord, Charles Edward</td>
<td>VI.</td>
<td>'98</td>
<td>63 Col' bus Ave., Somerville, Mass.</td>
</tr>
<tr>
<td>Lord, Herbert Ivory, X. Φ.</td>
<td>V.</td>
<td>'98</td>
<td>75 Howard Ave., Roxbury, Mass.</td>
</tr>
<tr>
<td>Loring, Conrad</td>
<td>II.</td>
<td>'98</td>
<td>Kobe, Japan</td>
</tr>
<tr>
<td>Loud, Ralph White</td>
<td>S.</td>
<td></td>
<td>Weymouth, Mass.</td>
</tr>
<tr>
<td>Lovejoy, Walter Livingston</td>
<td>III.</td>
<td>'98</td>
<td>109 Manner St., Buffalo, N. Y.</td>
</tr>
<tr>
<td>Loveland, Benjamin Alpheus</td>
<td>I.</td>
<td>'97</td>
<td>Chatham, Mass.</td>
</tr>
<tr>
<td>Lumbert, Rutherford Vipond</td>
<td>I.</td>
<td>'00</td>
<td>Newton Lower Falls, Mass.</td>
</tr>
<tr>
<td>Lytties, Otto Gerhard</td>
<td>VI.</td>
<td>'00</td>
<td>328 E. 15th St., New York, N. Y.</td>
</tr>
<tr>
<td>MacFarlane, David Huron</td>
<td>S.</td>
<td></td>
<td>85 Church Hill Ave., M'treal, Que.</td>
</tr>
<tr>
<td>Mack, Harrington, Σ. A. E.</td>
<td>S.</td>
<td></td>
<td>Fort Mirr, S. C.</td>
</tr>
<tr>
<td>MacKean, Isaac Abner</td>
<td>I.</td>
<td>'00</td>
<td>Peabody, Mass.</td>
</tr>
<tr>
<td>MacKoon, Frederic Hall</td>
<td>VI.</td>
<td>'00</td>
<td>12 State St., Auburn, N. Y.</td>
</tr>
<tr>
<td>Madero, Salvador</td>
<td>S.</td>
<td></td>
<td>Parras-Coahuila, Mexico.</td>
</tr>
<tr>
<td>Magee, Guy, Jr., Σ. X.</td>
<td>I.</td>
<td>'99</td>
<td>526 Cornellia Ave., Chicago, Ill.</td>
</tr>
<tr>
<td>Magee, Francis Joseph</td>
<td>I.</td>
<td>'00</td>
<td>West Newton, Mass.</td>
</tr>
<tr>
<td>Maguire, Joseph Travers</td>
<td>I.</td>
<td>'00</td>
<td>8 Beale St., Dorchester, Mass.</td>
</tr>
<tr>
<td>Maguire, Thomas Francis James</td>
<td>VI.</td>
<td>'97</td>
<td>8 Beale St., Dorchester, Mass.</td>
</tr>
<tr>
<td>Mahoney, Joseph Michael</td>
<td>VI.</td>
<td>'97</td>
<td>21 Bailey St., Dorchester, Mass.</td>
</tr>
<tr>
<td>Manley, Sumner Marshall</td>
<td>II.</td>
<td>'00</td>
<td>238 Liberty St., Brockton, Mass.</td>
</tr>
<tr>
<td>Manning, Alice Lee</td>
<td>S.</td>
<td></td>
<td>Milton, Mass.</td>
</tr>
<tr>
<td>Mansfield, Frank Erastus</td>
<td>I.</td>
<td>'98</td>
<td>26 Cumberland St., Boston, Mass.</td>
</tr>
<tr>
<td>Manson, Edmund Sewall, Jr.</td>
<td>VIII.</td>
<td>'97</td>
<td>7 Holliday St., Dorchester, Mass.</td>
</tr>
<tr>
<td>Marshall, Herman Weston</td>
<td>VII.</td>
<td>'97</td>
<td>114 Highland St., Brockton, Mass.</td>
</tr>
<tr>
<td>NAME AND FRATERNITY</td>
<td>COURSE</td>
<td>CLASS</td>
<td>HOME ADDRESS</td>
</tr>
<tr>
<td>-----------------------------------------</td>
<td>--------</td>
<td>-------</td>
<td>-----------------------------</td>
</tr>
<tr>
<td>Mason, Earl Potter</td>
<td>II</td>
<td>'97</td>
<td>Halidir Hall, Newport, R. I.</td>
</tr>
<tr>
<td>Mathews, George Eugene</td>
<td>IV</td>
<td>'98</td>
<td>1624 E. Third St., Dayton, Ohio.</td>
</tr>
<tr>
<td>Maxfield, Daniel Ellwood</td>
<td>II</td>
<td>'00</td>
<td>Amesbury, Mass.</td>
</tr>
<tr>
<td>Mayer, Durand</td>
<td>VI</td>
<td>'98</td>
<td>144 Madison Ave., New York City.</td>
</tr>
<tr>
<td>Mayhew, Harold Baker</td>
<td>I</td>
<td>'00</td>
<td>West Tisbury, Mass.</td>
</tr>
<tr>
<td>McCarthy, George Herbert</td>
<td>IX</td>
<td>'97</td>
<td>W. Fuller St., Dorchester, Mass.</td>
</tr>
<tr>
<td>McCormick, Edmund Burke</td>
<td>II</td>
<td>'97</td>
<td>Normal, Ill.</td>
</tr>
<tr>
<td>McCradden, Francis Henry</td>
<td>V</td>
<td>'00</td>
<td>134 Castle St., Boston, Mass.</td>
</tr>
<tr>
<td>McDonald, Charles Sneed</td>
<td>IV</td>
<td>'99</td>
<td>Louisville, Ky.</td>
</tr>
<tr>
<td>McDonald, James George</td>
<td>III</td>
<td>'00</td>
<td>4 Highland Park, Roxbury, Mass.</td>
</tr>
<tr>
<td>McGowan, Francis Xavier</td>
<td>II</td>
<td>'00</td>
<td>14 Berkeley Ave., Lawrence, Mass.</td>
</tr>
<tr>
<td>McIntosh, James William</td>
<td>II</td>
<td>'00</td>
<td>60 Sheridan St., Jamaica Plain.</td>
</tr>
<tr>
<td>McIntyre, James Sherwood</td>
<td>IV</td>
<td>'98</td>
<td>69 Willis St., New Bedford, Mass.</td>
</tr>
<tr>
<td>McIver, Jean Bond, B.S.</td>
<td>S</td>
<td>'98</td>
<td>158 Beacon St., Worcester, Mass.</td>
</tr>
<tr>
<td>McJunkin, Paul</td>
<td>VIII</td>
<td>'98</td>
<td>62 Sherman St., Roxbury, Mass.</td>
</tr>
<tr>
<td>McKell, William, Ph.B, X. Φ.</td>
<td>III</td>
<td>'98</td>
<td>Chillicothe, Ohio.</td>
</tr>
<tr>
<td>McMillan, John Primrose</td>
<td>X</td>
<td>'97</td>
<td>Petrolia, Ont.</td>
</tr>
<tr>
<td>McMaster, Herbert Milton</td>
<td>VI</td>
<td>'00</td>
<td>Portland, Oregon.</td>
</tr>
<tr>
<td>Melcher, Arthur Clarke</td>
<td>V</td>
<td>'00</td>
<td>Newton Centre, Mass.</td>
</tr>
<tr>
<td>Merriam, Charles Allen</td>
<td>II</td>
<td>'00</td>
<td>163 Ashley Ave., Char'ston, S.C.</td>
</tr>
<tr>
<td>Merrick, Frederic Ickes, X. Φ.</td>
<td>IV</td>
<td>'00</td>
<td>1435 3d Ave., New Brighton, Pa.</td>
</tr>
<tr>
<td>Merrill, Albert Sidney</td>
<td>X</td>
<td>'00</td>
<td>11 Florence St., Malden, Mass.</td>
</tr>
<tr>
<td>Miller, Lewis Arthur</td>
<td>I</td>
<td>'00</td>
<td>North Easton, Mass.</td>
</tr>
<tr>
<td>Miller, Stuart Berwick</td>
<td>X</td>
<td>'00</td>
<td>122 Hancock St., Camb'dge, Mass.</td>
</tr>
<tr>
<td>Milliken, Carl Spencer</td>
<td>VII</td>
<td>'99</td>
<td>414 Salem St., Malden, Mass.</td>
</tr>
<tr>
<td>Milliken, Sumner Moulton</td>
<td>I</td>
<td>'98</td>
<td>14 School St., Sacon, Me.</td>
</tr>
<tr>
<td>Mills, Helen Curtis</td>
<td>S</td>
<td>'98</td>
<td>Sharon, Mass.</td>
</tr>
<tr>
<td>Minary, Thomas Helm</td>
<td>VI</td>
<td>'00</td>
<td>1054 2d St., Louisville, Ky.</td>
</tr>
<tr>
<td>Minnig, Frank Raymond, A. T. Ω.</td>
<td>II</td>
<td>'98</td>
<td>615 Centre Ave., Reading, Pa.</td>
</tr>
<tr>
<td>Moens, Joseph Julius</td>
<td>I</td>
<td>'98</td>
<td>235 Magnolia St., Dorchester.</td>
</tr>
<tr>
<td>Möller, Albert Voltaire, Α. K. E.</td>
<td>II</td>
<td>'00</td>
<td>Galveston, Texas.</td>
</tr>
<tr>
<td>Mommers, Richard, X. Φ.</td>
<td>V</td>
<td>'98</td>
<td>South Manchester, Conn.</td>
</tr>
<tr>
<td>Moody, George Barrell</td>
<td>XIII</td>
<td>'99</td>
<td>214 Broadway, Bangor, Me.</td>
</tr>
<tr>
<td>Moore, Clarence Alfred</td>
<td>X</td>
<td>'99</td>
<td>Arlington, Mass.</td>
</tr>
<tr>
<td>Morgan, Carl Leon, Σ. A. E.</td>
<td>VI</td>
<td>'98</td>
<td>100 Mt. Vernon, Fitchburg, Mass.</td>
</tr>
<tr>
<td>Morgan, Harold Loomis</td>
<td>VI</td>
<td>'00</td>
<td>7 Lincoln St., Springfield, Mass.</td>
</tr>
<tr>
<td>Morrill, Edward Francis</td>
<td>VI</td>
<td>'98</td>
<td>80 Snow St., Fitchburg, Mass.</td>
</tr>
<tr>
<td>Morris, Henry Curtis</td>
<td>III</td>
<td>'00</td>
<td>Hotel Mannett, Evanston, Ill.</td>
</tr>
<tr>
<td>Morris, William Longfellow</td>
<td>VI</td>
<td>'99</td>
<td>1309 Kennesaw Ave., Wash'n, D.C.</td>
</tr>
<tr>
<td>Morse, Benjamin Eames</td>
<td>II</td>
<td>'99</td>
<td>Canton, Mass.</td>
</tr>
<tr>
<td>Morse, Harry Leonard</td>
<td>II-VI</td>
<td>'99</td>
<td>8 Ashford St., Allston, Mass.</td>
</tr>
<tr>
<td>Morse, Henry Grant, Jr., Α. Ψ.</td>
<td>IV</td>
<td>'99</td>
<td>800 Delaware Av., Wilm'ton, Del.</td>
</tr>
<tr>
<td>NAME AND FRATERNITY</td>
<td>COURSE</td>
<td>CLASS</td>
<td>HOME ADDRESS</td>
</tr>
<tr>
<td>---------------------</td>
<td>--------</td>
<td>-------</td>
<td>--------------</td>
</tr>
<tr>
<td>Morton, Charles Edward, S. A. E.</td>
<td>II.</td>
<td>'00</td>
<td>Webster, Mass.</td>
</tr>
<tr>
<td>Motch, Edward Ramond</td>
<td>II.</td>
<td>'97</td>
<td>1553 Madison Av., Covington, Ky.</td>
</tr>
<tr>
<td>Motch, Stanley</td>
<td>II.</td>
<td>'99</td>
<td>1553 Madison Av., Covington, Ky.</td>
</tr>
<tr>
<td>Mott-Smith, Morton Churchill</td>
<td>VI.</td>
<td>'99</td>
<td>911 Boylston St., Boston, Mass.</td>
</tr>
<tr>
<td>Moulton, Walter Augustus</td>
<td>V.</td>
<td>'99</td>
<td>16 Beach St., Dorchester, Mass.</td>
</tr>
<tr>
<td>Mulhall, Harold Torey</td>
<td>VI.</td>
<td>'97</td>
<td>9 Laurel St., Dorchester, Mass.</td>
</tr>
<tr>
<td>Muhlég, James Fred</td>
<td>II.</td>
<td>'98</td>
<td>42 N. Main St., Natick, Mass.</td>
</tr>
<tr>
<td>Murray, Parnell Sidway</td>
<td>S.</td>
<td></td>
<td>2 Akron Pl., Roxbury, Mass.</td>
</tr>
<tr>
<td>Nathan, Albert Franklin, Jr.</td>
<td>X.</td>
<td>'99</td>
<td>Virginia Hotel, Kansas City, Mo.</td>
</tr>
<tr>
<td>Neal, Newitt Jackson</td>
<td>II.</td>
<td>'00</td>
<td>Altoona, Pa.</td>
</tr>
<tr>
<td>Nebel, Herreros Alejandro, B.S.</td>
<td></td>
<td></td>
<td>S. Santiago, Chile.</td>
</tr>
<tr>
<td>Neidich, Samuel A., Ph.B.</td>
<td></td>
<td></td>
<td>X. 12 W. High St., Carlisle, Pa.</td>
</tr>
<tr>
<td>Nelson, William Bundy</td>
<td>VI.</td>
<td>'98</td>
<td>14 Boyl'sn Terrace, Jamaica Plain.</td>
</tr>
<tr>
<td>Nesmith, Thomas, Jr., A. T. A.</td>
<td>II.</td>
<td>'00</td>
<td>2 Park St., Lowell, Mass.</td>
</tr>
<tr>
<td>Newbury, George Kellogg</td>
<td>XIII.</td>
<td>'98</td>
<td>125 W. Franklin St., Jackson, Mich.</td>
</tr>
<tr>
<td>Newell, William Stark</td>
<td></td>
<td></td>
<td>65 Church St., Winchester, Mass.</td>
</tr>
<tr>
<td>Newhall, Henry Borden, Ph. B. E.</td>
<td>VI.</td>
<td>'98</td>
<td>150 E. 7th St., Plainfield, N. J.</td>
</tr>
<tr>
<td>Nickerson, Clarendon</td>
<td>X.</td>
<td>'97</td>
<td>16 Courtland St., B'dgeport, Conn.</td>
</tr>
<tr>
<td>Noble, Howard Agnew, X. Ph.</td>
<td>II.</td>
<td>'97</td>
<td>5716 Howe St., Pittsburgh, Pa.</td>
</tr>
<tr>
<td>Nolte, Julius</td>
<td>II.</td>
<td>'98</td>
<td>803 Centre St., Jamaica Pl., Mass.</td>
</tr>
<tr>
<td>Norris, Grace Adelaide</td>
<td>S.</td>
<td></td>
<td>129 Chestnut St., Chelsea, Mass.</td>
</tr>
<tr>
<td>North, Edward</td>
<td>III.</td>
<td>'00</td>
<td>Edgehill Road, Brookline, Mass.</td>
</tr>
<tr>
<td>Norton, Clifford</td>
<td>II.</td>
<td>'00</td>
<td>6 Mansfield St., Everett, Mass.</td>
</tr>
<tr>
<td>Noyes, Harriett Niles</td>
<td>S.</td>
<td></td>
<td>Mattoon, Ill.</td>
</tr>
<tr>
<td>Ober, Paul Joseph</td>
<td>VII.</td>
<td>'00</td>
<td>748 Tremont St., Boston, Mass.</td>
</tr>
<tr>
<td>O'Connell, Catherine</td>
<td></td>
<td></td>
<td>79 Chapman, Charlestown, Mass.</td>
</tr>
<tr>
<td>Oelrich, Edward</td>
<td>IV.</td>
<td>'99</td>
<td>751 7th St., Buffalo, N. Y.</td>
</tr>
<tr>
<td>O'Hern, Timothy Cyril</td>
<td>X.</td>
<td>'99</td>
<td>43 Cedar St., N. Camb'dge, Mass.</td>
</tr>
<tr>
<td>O'Leary, William H. J., A.M.</td>
<td>VI.</td>
<td>'99</td>
<td>Richibucto, N. B.</td>
</tr>
<tr>
<td>Oppenheim, Robert Emmet</td>
<td>II.</td>
<td>'00</td>
<td>24 E. 46th St., New York, N. Y.</td>
</tr>
<tr>
<td>Orr, Hugh</td>
<td>IV.</td>
<td>'97</td>
<td>207 Court St., Brockton, Mass.</td>
</tr>
<tr>
<td>Osgood, Harry Edmund</td>
<td>II.</td>
<td>'00</td>
<td>272 Irving Ave., Chicago, Ill.</td>
</tr>
<tr>
<td>Osgood, Henry Douglas</td>
<td>XI.</td>
<td>'98</td>
<td>200 W. Br'kline St., Boston, Mass.</td>
</tr>
<tr>
<td>Osgood, Isaac</td>
<td>II.</td>
<td>'00</td>
<td>North Andover, Mass.</td>
</tr>
<tr>
<td>Oxnard, Horace Whitcomb</td>
<td>I.</td>
<td>'00</td>
<td>Norway, Me.</td>
</tr>
<tr>
<td>Packard, Alpheus Appleton</td>
<td>III.</td>
<td>'98</td>
<td>275 Angeel St., Providence, R. I.</td>
</tr>
<tr>
<td>Pakard, Leonard Warren</td>
<td>VI.</td>
<td>'98</td>
<td>229 Bay St., Taunton, Mass.</td>
</tr>
<tr>
<td>Page, Charles Barnard</td>
<td>XIII.</td>
<td>'99</td>
<td>259 Wash'n St., Dorchester, Mass.</td>
</tr>
<tr>
<td>Page, Walter, A. Ph.</td>
<td>XIII.</td>
<td>'97</td>
<td>253 Beacon St., Boston, Mass.</td>
</tr>
<tr>
<td>Paget, John Wallace</td>
<td>II.</td>
<td>'00</td>
<td>11 Beale St., Dorchester, Mass.</td>
</tr>
<tr>
<td>Paige, Ellwood Bryant</td>
<td>IV.</td>
<td>'98</td>
<td>50 Chatham St., Lynn, Mass.</td>
</tr>
<tr>
<td>NAME AND FRATERNITY</td>
<td>COURSE</td>
<td>CLASS</td>
<td>HOME ADDRESS</td>
</tr>
<tr>
<td>-------------------------------------</td>
<td>--------</td>
<td>-------</td>
<td>--------------------------------</td>
</tr>
<tr>
<td>Paine, Charles Bodwell, Σ. X.</td>
<td>IV.</td>
<td>'97</td>
<td>76 State St., Augusta, Me.</td>
</tr>
<tr>
<td>Palmer, Worthington, ∆. K. E.</td>
<td>IV.</td>
<td>'99</td>
<td>272 State St., Albany, N. Y.</td>
</tr>
<tr>
<td>Parker, Will Rogers</td>
<td>VI.</td>
<td>'98</td>
<td>109 Islington St., Portsmouth, N. H.</td>
</tr>
<tr>
<td>Parker, William T., ∆. Ψ.</td>
<td>IX.</td>
<td>'97</td>
<td>Crescent Hill, Springfield, Mass.</td>
</tr>
<tr>
<td>Parsons, Willis Everett</td>
<td>S.</td>
<td>'97</td>
<td>32 Middle St., Gloucester, Mass.</td>
</tr>
<tr>
<td>Parsons, Archibald Livingstone</td>
<td>I.</td>
<td>'97</td>
<td>Derry, N. H.</td>
</tr>
<tr>
<td>Paul, Charles Edward</td>
<td>II.</td>
<td>'98</td>
<td>36 High St., Belfast, Me.</td>
</tr>
<tr>
<td>Pease, Charles Henry</td>
<td>I.</td>
<td>'98</td>
<td>Exeter, N. H.</td>
</tr>
<tr>
<td>Peavey, Leroy Deering</td>
<td>II.</td>
<td>'97</td>
<td>587 Prospect St., Cleveland, Ohio.</td>
</tr>
<tr>
<td>Peck, Arthur Stearns</td>
<td>III.</td>
<td>'00</td>
<td>Wellington, Mass.</td>
</tr>
<tr>
<td>Penard, Thomas Edward</td>
<td>VI.</td>
<td>'00</td>
<td>Paramaribo, D. G.</td>
</tr>
<tr>
<td>Pendell, Charles William</td>
<td>VI.</td>
<td>'98</td>
<td>Cleburne, Texas</td>
</tr>
<tr>
<td>Penock, George Alger</td>
<td>II.</td>
<td>'99</td>
<td>Weston, Mass.</td>
</tr>
<tr>
<td>Perkins, John McClary, Jr.</td>
<td>VI.</td>
<td>'00</td>
<td>Arlington Heights, Mass.</td>
</tr>
<tr>
<td>Perry, Frank Bridgham</td>
<td>V.</td>
<td>'97</td>
<td>60 Laurel Hill Av., Norwich, Conn.</td>
</tr>
<tr>
<td>Pettie, Charles Leslie Wight</td>
<td>V.</td>
<td>'97</td>
<td>Newtonville, Mass.</td>
</tr>
<tr>
<td>Phalen, William Clifton</td>
<td>V.</td>
<td>'99</td>
<td>13 Sadler St., Gloucester, Mass.</td>
</tr>
<tr>
<td>Phelps, Earle Bernard</td>
<td>V.</td>
<td>'99</td>
<td>New Brunswick, N. J.</td>
</tr>
<tr>
<td>Philbrick, Shirley Seavey</td>
<td>II.</td>
<td>'98</td>
<td>Rye Beach, N. H.</td>
</tr>
<tr>
<td>Pierce, Edward Everett</td>
<td>XIII.</td>
<td>'99</td>
<td>70 Cedar St., Malden, Mass.</td>
</tr>
<tr>
<td>Pigeon, William Gardner</td>
<td>XIV.</td>
<td>'00</td>
<td>139 Trenton St., E. Boston, Mass.</td>
</tr>
<tr>
<td>Pigman, George Wood, Jr.</td>
<td>VI.</td>
<td>'00</td>
<td>Washington, D. C.</td>
</tr>
<tr>
<td>Pike, Otto Samuel</td>
<td>II.</td>
<td>'97</td>
<td>2 Park Pl., Malden, Mass.</td>
</tr>
<tr>
<td>Pinkham, Ralph Howard</td>
<td>I.</td>
<td>'99</td>
<td>175 Amory St., Roxbury, Mass.</td>
</tr>
<tr>
<td>Pitcher, Edmund Henry</td>
<td>II.</td>
<td>'00</td>
<td>Keene, N. H.</td>
</tr>
<tr>
<td>Plumb, Ralph, ∆. Ψ.</td>
<td>II.</td>
<td>'00</td>
<td>267 Linwood Ave., Buffalo, N. Y.</td>
</tr>
<tr>
<td>Plummer, Howard Clark</td>
<td>III.</td>
<td>'00</td>
<td>Milton, Mass.</td>
</tr>
<tr>
<td>Porter, Arthur Felix</td>
<td>V.</td>
<td>'98</td>
<td>16 Neponset Ave., Hyde Park</td>
</tr>
<tr>
<td>Porter, John Lewis</td>
<td>VI.</td>
<td>'00</td>
<td>15 Quincy St., North Adams, Mass.</td>
</tr>
<tr>
<td>Porter, Russell Williams</td>
<td>S.</td>
<td>'98</td>
<td>Springfield, Vt.</td>
</tr>
<tr>
<td>Portner, Robert Francis</td>
<td>VI.</td>
<td>'98</td>
<td>1104 Vermont Ave., Washington.</td>
</tr>
<tr>
<td>Potter, Sarah Emeline</td>
<td>S.</td>
<td>'98</td>
<td>Acworth, N. H.</td>
</tr>
<tr>
<td>Pratt, Gilbert Homer</td>
<td>V.</td>
<td>'97</td>
<td>39 Hancock St., Chelsea, Mass.</td>
</tr>
<tr>
<td>Pratt, Robert Winthrop, Jr.</td>
<td>I.</td>
<td>'98</td>
<td>Waban, Mass.</td>
</tr>
<tr>
<td>Price, Willard Atherton</td>
<td>I.</td>
<td>'99</td>
<td>1370 Race St., Denver, Col.</td>
</tr>
<tr>
<td>Priest, Benson Bulkeley</td>
<td>I.</td>
<td>'98</td>
<td>Littleton, Mass.</td>
</tr>
<tr>
<td>Priest, George Heywood</td>
<td>X.</td>
<td>'99</td>
<td>56 Prospect St., Waltham, Mass.</td>
</tr>
<tr>
<td>Priest, Russell Parker</td>
<td>I.</td>
<td>'00</td>
<td>33 Cedar St., Malden, Mass.</td>
</tr>
<tr>
<td>NAME AND FRATERNITY</td>
<td>COURSE</td>
<td>CLASS</td>
<td>HOME ADDRESS</td>
</tr>
<tr>
<td>---------------------------------</td>
<td>--------</td>
<td>-------</td>
<td>-------------------------------------</td>
</tr>
<tr>
<td>Priest, Warren Albert</td>
<td>V</td>
<td>'99</td>
<td>100 Homestead St., Roxbury</td>
</tr>
<tr>
<td>Prime, Harold Augustus</td>
<td>VI</td>
<td>'98</td>
<td>434 Washington St., Brighton</td>
</tr>
<tr>
<td>Proctor, Alfred Waters</td>
<td>VI</td>
<td>'99</td>
<td>219 W. Springfield St., Boston</td>
</tr>
<tr>
<td>Proctor, Charles Frederic</td>
<td>S</td>
<td></td>
<td>247 W. Newton St., Boston</td>
</tr>
<tr>
<td>Prosser, Reay Cooper</td>
<td>IV</td>
<td>'98</td>
<td>St. Louis, Mo.</td>
</tr>
<tr>
<td>Pugh, Achilles Henry</td>
<td>X</td>
<td>'97</td>
<td>Madison Pike, Cincinnati, Ohio</td>
</tr>
<tr>
<td>Putnam, Wm. Edward, Jr., A.B.</td>
<td>IV</td>
<td>'98</td>
<td>Clark Road, Brookline, Mass.</td>
</tr>
<tr>
<td>Rabbeth, Walter Esmond</td>
<td>VI</td>
<td>'98</td>
<td>Watertown, Mass.</td>
</tr>
<tr>
<td>Rand, Nathaniel Dwight</td>
<td>IV</td>
<td>'99</td>
<td>67 Crawford St., Roxbury, Mass.</td>
</tr>
<tr>
<td>Rapp, Walter Louis, A. T.</td>
<td>VI</td>
<td>'99</td>
<td>1339 Chapel St., Cincinnati, Ohio</td>
</tr>
<tr>
<td>Real y Gaillard Juan, A.B.</td>
<td>I</td>
<td>'99</td>
<td>Santiago de Cuba</td>
</tr>
<tr>
<td>Reardon, Thomas Fred. Eugene</td>
<td>VI</td>
<td>'00</td>
<td>Wellesley, Mass.</td>
</tr>
<tr>
<td>Redman, Artille</td>
<td>VI</td>
<td>'00</td>
<td>Belfast, Me.</td>
</tr>
<tr>
<td>Reed, William Edgar</td>
<td>VI</td>
<td>'97</td>
<td>4609 Centre Ave., Pittsburgh, Pa.</td>
</tr>
<tr>
<td>Regestein, Ernest Albrecht</td>
<td>VI</td>
<td>'99</td>
<td>92 Wyman St., Jamaica Plain</td>
</tr>
<tr>
<td>Reimer, Arthur Adams</td>
<td>I</td>
<td>'00</td>
<td>28 N. Maple Ave., E. Orange, N. J.</td>
</tr>
<tr>
<td>Remington, Wolcott</td>
<td>VI</td>
<td>'00</td>
<td>Windsor, Conn.</td>
</tr>
<tr>
<td>Renshaw, Clarence</td>
<td>VI</td>
<td>'99</td>
<td>1910 Park Ave., Baltimore, Md.</td>
</tr>
<tr>
<td>Rich, Lamont</td>
<td>S</td>
<td></td>
<td>85 W. Main St., N. Adams, Mass.</td>
</tr>
<tr>
<td>Richards, Louis Jerome, A. K. E.</td>
<td>XI</td>
<td>'97</td>
<td>269 Broadway, Norwich, Conn.</td>
</tr>
<tr>
<td>Richardson, Chester Augusta</td>
<td>I</td>
<td>'00</td>
<td>Pelham, N. H.</td>
</tr>
<tr>
<td>Richardson, Clinton Leroy</td>
<td>I</td>
<td>'00</td>
<td>Winchester, Mass.</td>
</tr>
<tr>
<td>Richardson, Edward Bridge, Δ. Ψ.</td>
<td>VI</td>
<td>'98</td>
<td>155 Beacon St., Boston, Mass.</td>
</tr>
<tr>
<td>Richardson, Frank Linden</td>
<td>S</td>
<td></td>
<td>Concord, Mass.</td>
</tr>
<tr>
<td>Richardson, James Herbert</td>
<td>L</td>
<td>'99</td>
<td>Newtonville, Mass.</td>
</tr>
<tr>
<td>Richardson, Maurice Frederic</td>
<td>II</td>
<td>'99</td>
<td>East Providence, R. I.</td>
</tr>
<tr>
<td>Richardson, Philip, A.B.</td>
<td>S</td>
<td></td>
<td>Cottage St., Brookline, Mass.</td>
</tr>
<tr>
<td>Richmond, Gerald Martin, Δ. Ψ.</td>
<td>IV</td>
<td>'99</td>
<td>30 King St., Worcester, Mass.</td>
</tr>
<tr>
<td>Richmond, Henry Parsons</td>
<td>IV</td>
<td>'98</td>
<td>East Providence, R. I.</td>
</tr>
<tr>
<td>Richmond, Miles Standish, Δ. T.</td>
<td>IV</td>
<td>'99</td>
<td>Clinton Road, Brookline, Mass.</td>
</tr>
<tr>
<td>Riddle, Herbert Hugh</td>
<td>IV</td>
<td>'99</td>
<td>2535 Indiana Ave., Chicago, Ill.</td>
</tr>
<tr>
<td>Riddle, Lewis Wetmore</td>
<td>XIII</td>
<td>'99</td>
<td>2535 Indiana Ave., Chicago, Ill.</td>
</tr>
<tr>
<td>Riker, George Hayes</td>
<td>X</td>
<td>'98</td>
<td>Belmont St., Somerville, Mass.</td>
</tr>
<tr>
<td>Riley, Joseph Cains, Jr.</td>
<td>II</td>
<td>'98</td>
<td>Allen St., Roslindale, Mass.</td>
</tr>
<tr>
<td>Roberts, Robert Parker</td>
<td>III</td>
<td>'00</td>
<td>42 Quincy St., Roxbury, Mass.</td>
</tr>
<tr>
<td>Robinson, Elmer Holbrook</td>
<td>VI</td>
<td>'97</td>
<td>Reading, Mass.</td>
</tr>
<tr>
<td>Robinson, George Avery, Δ. Ψ.</td>
<td>IV</td>
<td>'99</td>
<td>518 W. Main St., Louisville, Ky.</td>
</tr>
<tr>
<td>Robinson, John Tilden, Jr.</td>
<td>II</td>
<td>'98</td>
<td>33 Child St., Hyde Park, Mass.</td>
</tr>
<tr>
<td>Robinson, Laforest George</td>
<td>VI</td>
<td>'97</td>
<td>181 Margaret St., Plattsb'gh, N.Y.</td>
</tr>
<tr>
<td>Robinson, William Attmore, Jr.</td>
<td>II</td>
<td>'98</td>
<td>84 Hawthorne St., New Bedford</td>
</tr>
<tr>
<td>Rogerson, John Russell</td>
<td>I</td>
<td>'97</td>
<td>Mansfield, Mass.</td>
</tr>
<tr>
<td>Rolfe, Henry Pettingell</td>
<td>S</td>
<td></td>
<td>27 High St., Newburyport, Mass.</td>
</tr>
<tr>
<td>Rood, Norman Paul</td>
<td>IV</td>
<td>'99</td>
<td>Madisonville, Ohio</td>
</tr>
<tr>
<td>Name and Fraternity</td>
<td>Course</td>
<td>Class</td>
<td>Home Address</td>
</tr>
<tr>
<td>--------------------------------------</td>
<td>--------</td>
<td>-------</td>
<td>-----------------------------------</td>
</tr>
<tr>
<td>Rooke, Warren Augustus</td>
<td>IV</td>
<td>'97</td>
<td>81 Crown St., Meriden, Conn.</td>
</tr>
<tr>
<td>Ross, Sidney Fuller</td>
<td>IV</td>
<td>'00</td>
<td>Kennebunk, Me.</td>
</tr>
<tr>
<td>Rossmanse, Richard Carl</td>
<td>XIII</td>
<td>'00</td>
<td>Mill &amp; Cedar Sts., Germant'n, Pa.</td>
</tr>
<tr>
<td>Royce, James Charles</td>
<td>II</td>
<td>'97</td>
<td>Davenport, Ontario.</td>
</tr>
<tr>
<td>Rumery, Ralph Rollins, Θ. Ζ.</td>
<td>S</td>
<td></td>
<td>380 Danforth St., Portland, Me.</td>
</tr>
<tr>
<td>Russ, Ernest Frank</td>
<td>IX</td>
<td>'98</td>
<td>193 W. Brookline St., Boston.</td>
</tr>
<tr>
<td>Russell, Benjamin F. W.</td>
<td>IV</td>
<td>'98</td>
<td>Concord Junction, Mass.</td>
</tr>
<tr>
<td>Russell, George Edmund</td>
<td>I</td>
<td>'00</td>
<td>85 Montvale Ave., Woburn, Mass.</td>
</tr>
<tr>
<td>Rutherford, Eugene White</td>
<td>S</td>
<td></td>
<td>231 Jefferson Av., Brooklyn, N. Y.</td>
</tr>
<tr>
<td>Ryan, Ida Annah</td>
<td>S</td>
<td></td>
<td>19 Hammond St., Waltham, Mass.</td>
</tr>
<tr>
<td>Samuels, Edwin Francis</td>
<td>II</td>
<td>'99</td>
<td>21 Austin St., Hyde Park, Mass.</td>
</tr>
<tr>
<td>Sanchez y Batista, Pedro, Θ. Ζ.</td>
<td>II</td>
<td>'99</td>
<td>Nuevitas, Cuba.</td>
</tr>
<tr>
<td>Sanders, Warren Willard</td>
<td>V</td>
<td>'00</td>
<td>West Gardner, Mass.</td>
</tr>
<tr>
<td>Sargent, Albert Ellwood</td>
<td>S</td>
<td></td>
<td>Belmont, Mass.</td>
</tr>
<tr>
<td>Sargent, Homer Earle, Jr., Ph.B.</td>
<td>VI</td>
<td>'98</td>
<td>Lexington Hotel, Chicago, Ill.</td>
</tr>
<tr>
<td>Saunders, William Colegrove</td>
<td>II</td>
<td>'00</td>
<td>67 Peter Parley St., Jamaica Plain</td>
</tr>
<tr>
<td>Sawin, Luther Robinson</td>
<td>V</td>
<td>'97</td>
<td>34 Robbins St., Waltham, Mass.</td>
</tr>
<tr>
<td>Sawtelle, Harry Francis</td>
<td>I</td>
<td>'97</td>
<td>12 Magazine St., Cambridgeport.</td>
</tr>
<tr>
<td>Sawtelle, William Otis, Δ. K. E.</td>
<td>VIII</td>
<td>'97</td>
<td>50 Penobscot St., Bangor, Me.</td>
</tr>
<tr>
<td>Sawyer, Haven, Δ. K. E.</td>
<td>II</td>
<td>'99</td>
<td>64 Forest Ave., Bangor, Me.</td>
</tr>
<tr>
<td>Sawyer, Horace Russell</td>
<td>II</td>
<td>'99</td>
<td>Rye Beach, N. H.</td>
</tr>
<tr>
<td>Sawyer, Ralph Edmund, Φ. B. E.</td>
<td>S</td>
<td></td>
<td>196 Walnut Ave., Roxbury, Mass.</td>
</tr>
<tr>
<td>Schlegelmilch, Leo William, Jr.</td>
<td>III</td>
<td>'00</td>
<td>32 Mt. Pleasant Ave., Roxbury.</td>
</tr>
<tr>
<td>Schlesinger, Helen</td>
<td>S</td>
<td></td>
<td>Brookline, Mass.</td>
</tr>
<tr>
<td>Schmidt, Albert George Anton</td>
<td>II</td>
<td>'00</td>
<td>1537 Oakdale Ave., Chicago, Ill.</td>
</tr>
<tr>
<td>Schmidt, Herman Henry</td>
<td>S</td>
<td></td>
<td>Melville, N. Y.</td>
</tr>
<tr>
<td>Schneller, George Otto, Φ.</td>
<td>II</td>
<td>'00</td>
<td>103 S. Cliff St., Antonio, Conn.</td>
</tr>
<tr>
<td>Schroeder, Ernest Herman</td>
<td>IV</td>
<td>'98</td>
<td>1608 South St., Omaha, Neb.</td>
</tr>
<tr>
<td>Schuttler, Carl, Φ.</td>
<td>II</td>
<td>'97</td>
<td>287 W. Adams St., Chicago, Ill.</td>
</tr>
<tr>
<td>Schwartz, David</td>
<td>V</td>
<td>'97</td>
<td>10 Wall St., Boston, Mass.</td>
</tr>
<tr>
<td>Scott, Ben Embry</td>
<td>VI</td>
<td>'00</td>
<td>1010 Louisiana St., Lit. Rock, Ark</td>
</tr>
<tr>
<td>Scott, Henry Francis</td>
<td>II</td>
<td>'98</td>
<td>38 Prospect St., Brockton, Mass.</td>
</tr>
<tr>
<td>Scott, Walter</td>
<td>II</td>
<td>'00</td>
<td>25 Bradford St., Lawrence, Mass.</td>
</tr>
<tr>
<td>Scudder, Hayward, B.A.</td>
<td>S</td>
<td>'97</td>
<td>21 E. 22d St., New York City.</td>
</tr>
<tr>
<td>Searle, Lewen Firth</td>
<td>I</td>
<td>'00</td>
<td>83 May St., Lawrence, Mass.</td>
</tr>
<tr>
<td>Sears, Joseph Homer</td>
<td>V</td>
<td>'98</td>
<td>East Dennis, Mass.</td>
</tr>
<tr>
<td>Sears, Stanley Collamore</td>
<td>III</td>
<td>'00</td>
<td>Winthrop, Mass.</td>
</tr>
<tr>
<td>Seaver, Henry Morse</td>
<td>S</td>
<td></td>
<td>Bellevue St., West Roxbury, Mass.</td>
</tr>
<tr>
<td>Seaver, Kenneth</td>
<td>I</td>
<td>'00</td>
<td>Woodstock, Vi.</td>
</tr>
<tr>
<td>Seavey, Norman Emery</td>
<td>VI</td>
<td>'99</td>
<td>Dover, N. H.</td>
</tr>
<tr>
<td>Seidensticker, Lewis Jerome</td>
<td>V</td>
<td>'98</td>
<td>954 Inman St., Cambridge, Mass.</td>
</tr>
<tr>
<td>Sellew, William Hamilton</td>
<td>II</td>
<td>'97</td>
<td>668 Forest Ave., Avondale, Ohio.</td>
</tr>
<tr>
<td>Shapley, Harry Tilton</td>
<td>X</td>
<td>'00</td>
<td>32 Orchard St., Leominster, Mass.</td>
</tr>
<tr>
<td>Shaw, Albion Walker</td>
<td>VI</td>
<td>'98</td>
<td>25 Pierce St., Malden, Mass.</td>
</tr>
<tr>
<td>Shaw, Brackley Azel</td>
<td>IX</td>
<td>'00</td>
<td>Englewood Ave., Brighton, Mass.</td>
</tr>
<tr>
<td>Shedd, Albert Rix</td>
<td>II</td>
<td>'98</td>
<td>Silver Creek, N. Y.</td>
</tr>
<tr>
<td>NAME AND FRATERNITY</td>
<td>COURSE</td>
<td>CLASS</td>
<td>HOME ADDRESS</td>
</tr>
<tr>
<td>--------------------------------</td>
<td>--------</td>
<td>---------</td>
<td>-------------------------------------</td>
</tr>
<tr>
<td>SHERMAN, Charles Edwin, Δ. Y.</td>
<td>IV</td>
<td>'90</td>
<td>46 Granite St., Westerly, R. I.</td>
</tr>
<tr>
<td>SHERMAN, Edward Clayton</td>
<td>I</td>
<td>'98</td>
<td>35 Langdon St., Cambridge, Mass.</td>
</tr>
<tr>
<td>SHERMAN, Henry Arthur</td>
<td>III</td>
<td>'97</td>
<td>470 Massachusetts Ave., Boston.</td>
</tr>
<tr>
<td>SHERRILL, Miles Standish</td>
<td>V</td>
<td>'99</td>
<td>301 E. Cottage St., Louisville, Ky.</td>
</tr>
<tr>
<td>SHUMAKER, Louis William</td>
<td>VI</td>
<td>'99</td>
<td>Ortonville, Minn.</td>
</tr>
<tr>
<td>SHUMAN, Jesse Wyman, Δ. T. Δ.</td>
<td>VI</td>
<td>'97</td>
<td>1401 Chicago Ave., Minneapolis.</td>
</tr>
<tr>
<td>SICKMAN, James Francis, Σ. X.</td>
<td>I</td>
<td>'98</td>
<td>215 Oak St., Holyoke, Mass.</td>
</tr>
<tr>
<td>SILVERMAN, Mortimer</td>
<td>I</td>
<td>'99</td>
<td>401 Carleton St., Newton, Mass.</td>
</tr>
<tr>
<td>SKINNER, Charles Jernean</td>
<td>I</td>
<td>'98</td>
<td>Ottawa, Kansas</td>
</tr>
<tr>
<td>SLOVENS, John Heber</td>
<td>III</td>
<td>'98</td>
<td>334 Baltimore Av., Kansas City, Mo.</td>
</tr>
<tr>
<td>SLOCUM, William Whittaker</td>
<td>I</td>
<td>'99</td>
<td>East Providence, R. I.</td>
</tr>
<tr>
<td>SMITH, Charles Alfred</td>
<td>I</td>
<td>'99</td>
<td>Reading, Mass.</td>
</tr>
<tr>
<td>SMITH, Charles Franklin, Σ. A. E.</td>
<td>XI</td>
<td>'98</td>
<td>1512 R St., N. W. Wash'ton, D. C.</td>
</tr>
<tr>
<td>SMITH, Charles Henry</td>
<td>II</td>
<td>'98</td>
<td>107 Warren St., Charlestown, Mass.</td>
</tr>
<tr>
<td>SMITH, George Lawrence, A.B.</td>
<td>IV</td>
<td>'98</td>
<td>64 Sparks St., Cambridge, Mass.</td>
</tr>
<tr>
<td>SMITH, Godfrey Lewis</td>
<td>XIII</td>
<td>'98</td>
<td>1 Elmwood St., Roxbury, Mass.</td>
</tr>
<tr>
<td>SMITH, Granville, Δ. T.</td>
<td>XIII</td>
<td>'98</td>
<td>2137 L St., N. W. Wash'ton, D. C.</td>
</tr>
<tr>
<td>SMITH, Harrison W., A.B., Δ. T.</td>
<td>VI-II</td>
<td>'97</td>
<td>40 Mill St., Dorchester, Mass.</td>
</tr>
<tr>
<td>SMITH, Harry Austin</td>
<td>II</td>
<td>'97</td>
<td>Wakefield, Mass.</td>
</tr>
<tr>
<td>SMITH, Herbert Edwards, S. B.</td>
<td>S</td>
<td>'98</td>
<td>19 Liberty St., Gloucester, Mass.</td>
</tr>
<tr>
<td>SMITH, Horace Tilden</td>
<td>V</td>
<td>'98</td>
<td>East Bridgewater, Mass.</td>
</tr>
<tr>
<td>SMITH, James Wilfred</td>
<td>XIII</td>
<td>'97</td>
<td>85 Concord St., Lawrence, Mass.</td>
</tr>
<tr>
<td>SMITH, Montfort Hill, Δ. T. Δ.</td>
<td>IV</td>
<td>'99</td>
<td>Falmouth.</td>
</tr>
<tr>
<td>SMITH, Percy Merrhew</td>
<td>II</td>
<td>'97</td>
<td>Rockland, Mass.</td>
</tr>
<tr>
<td>SMITH, Sumner Ives</td>
<td>VI</td>
<td>'99</td>
<td>107 3d St., Elkhart, Ind.</td>
</tr>
<tr>
<td>SMITH, Theodore Brooks</td>
<td>VI</td>
<td>'98</td>
<td>39 Hawth'ne Av., Cleveland, Ohio.</td>
</tr>
<tr>
<td>SMITH, William Franklin</td>
<td>II</td>
<td>'97</td>
<td>3 White St., N. Cambridge, Mass.</td>
</tr>
<tr>
<td>SMITHwick, Harold</td>
<td>II</td>
<td>'99</td>
<td>New Castle, Me.</td>
</tr>
<tr>
<td>SMYSER, Albert Ernest, S.B.</td>
<td>S</td>
<td>'99</td>
<td>6 Wellington Terrace, Brookline.</td>
</tr>
<tr>
<td>SMYSER, James Swett, S.B., Δ. K. E.</td>
<td>S</td>
<td>'99</td>
<td>6 Wellington Terrace, Brookline.</td>
</tr>
<tr>
<td>SNOW, Frederick Willis</td>
<td>VII</td>
<td>'99</td>
<td>565 Essex St., Lynn, Mass.</td>
</tr>
<tr>
<td>SOHIER, Louis Amory</td>
<td>II</td>
<td>'99</td>
<td>Concord, Mass.</td>
</tr>
<tr>
<td>SOUR, Lawrence Clement</td>
<td>X</td>
<td>'99</td>
<td>Newtonville, Mass.</td>
</tr>
<tr>
<td>SPAULDING, Frank Alger</td>
<td>I</td>
<td>'98</td>
<td>West Stockbridge, Mass.</td>
</tr>
<tr>
<td>SPEAR, Walter Evans</td>
<td>XI</td>
<td>'97</td>
<td>53 Camb'dge St., Lawrence, Mass.</td>
</tr>
<tr>
<td>SPERRY, Marcy Leavenworth</td>
<td>I</td>
<td>'00</td>
<td>Navy Yard, New York, N. Y.</td>
</tr>
<tr>
<td>SPIESS, Arthur Douglas</td>
<td>IV</td>
<td>'97</td>
<td>2 E. 15th St., New York, N. Y.</td>
</tr>
<tr>
<td>SPRAGUE, James Paddock</td>
<td>IV</td>
<td>'00</td>
<td>1804 Summit St., Kansas City, Mo.</td>
</tr>
<tr>
<td>SPRING, Russell Clark</td>
<td>IV</td>
<td>'97</td>
<td>Newton Lower Falls, Mass.</td>
</tr>
<tr>
<td>NAME AND FRATERNITY</td>
<td>COURSE</td>
<td>CLASS</td>
<td>HOME ADDRESS</td>
</tr>
<tr>
<td>---------------------</td>
<td>--------</td>
<td>-------</td>
<td>--------------</td>
</tr>
<tr>
<td>SPRINGER, ERNEST ROGER</td>
<td>VI</td>
<td>'98</td>
<td>67 Arlington St., Newton, Mass.</td>
</tr>
<tr>
<td>STAPLES, WILLIAM DEERING, Σ. A. E</td>
<td>VI</td>
<td>'98</td>
<td>645-A Congress St., Portland, Me.</td>
</tr>
<tr>
<td>STARBUCK, GEORGE FRANKLIN</td>
<td>II</td>
<td>'97</td>
<td>43 Lexington St., Waltham,</td>
</tr>
<tr>
<td>STARK, HELEN GERTRUDE</td>
<td>S</td>
<td></td>
<td>Navy Yard, Charlestown, Mass.</td>
</tr>
<tr>
<td>STARR, HERBERT HARRIS</td>
<td>I</td>
<td>'99</td>
<td>16 Richards St., New London, Ct.</td>
</tr>
<tr>
<td>STEARNS, FREDERIC BALDWIN</td>
<td>IV</td>
<td>'99</td>
<td>641 Wash'ton St., Brookline, Mass.</td>
</tr>
<tr>
<td>STEARNS, HERBERT RICHARDSON</td>
<td>I</td>
<td>'00</td>
<td>108 Cushing Ave., D., Mass.</td>
</tr>
<tr>
<td>STEBBINS, CHARLES BOWLES</td>
<td>XIII</td>
<td>'97</td>
<td>30 Day St., W. Somerville, Mass.</td>
</tr>
<tr>
<td>STEFFENS, WILLIAM FREDERICK</td>
<td>I</td>
<td>'98</td>
<td>137 W. Concord St., Boston, Mass.</td>
</tr>
<tr>
<td>STEIDEMANN, THEODORE WILLIAM</td>
<td>IV</td>
<td>'00</td>
<td>4110 N. 11th St., St. Louis, Mo.</td>
</tr>
<tr>
<td>STETSON, JAMES ALEXANDER, Σ. A. E</td>
<td>I</td>
<td>'99</td>
<td>67 Bedford St., New Bedford, Mass.</td>
</tr>
<tr>
<td>STEVENS, GORHAM PHILLIPS</td>
<td>IV</td>
<td>'98</td>
<td>26 Gray St., Cambridge, Mass.</td>
</tr>
<tr>
<td>STEVENS, RALPH</td>
<td>III</td>
<td>'00</td>
<td>Whitman, Mass.</td>
</tr>
<tr>
<td>STEVENS, WILLIAM LEONARD</td>
<td>III</td>
<td>'00</td>
<td>74 Walnut St., Somerville, Mass.</td>
</tr>
<tr>
<td>STEVENS, WILLIAM WENTWORTH</td>
<td>IV</td>
<td>'98</td>
<td>268 Summer St., Lynn, Mass.</td>
</tr>
<tr>
<td>STEWART, LEWIS, Δ. Ψ</td>
<td>IV</td>
<td>'00</td>
<td>208 W. State St., Trenton, N. J.</td>
</tr>
<tr>
<td>STILES, PERCY GOLDFIELD</td>
<td>VII</td>
<td>'97</td>
<td>168 Walnut St., Newtonville,Mass.</td>
</tr>
<tr>
<td>STILLINGS, SAMUEL WARREN</td>
<td>IV</td>
<td>'98</td>
<td>205 St. Botolph St., Boston, Mass.</td>
</tr>
<tr>
<td>STOCKTON, PHILIP, A.B</td>
<td>I</td>
<td>'99</td>
<td>390 Beacon St., Boston.</td>
</tr>
<tr>
<td>STONE, JACOB, JR., Δ. T</td>
<td>IV</td>
<td>'99</td>
<td>3 Pond St., Newburyport, Mass.</td>
</tr>
<tr>
<td>STONE, WILLARD WILBERFORCE</td>
<td>I</td>
<td>'00</td>
<td>12 Somerset Ave., Taunton, Mass.</td>
</tr>
<tr>
<td>STOUDER, JOHN BURTON, B.E</td>
<td></td>
<td></td>
<td>Gravity, Iowa.</td>
</tr>
<tr>
<td>STRATTON, CHARLES HEYWOOD</td>
<td>IV</td>
<td>'00</td>
<td>Gardner, Mass.</td>
</tr>
<tr>
<td>STREET, GERALD BASIL, Φ. B. E</td>
<td></td>
<td></td>
<td>Highiland Park, Ill.</td>
</tr>
<tr>
<td>STRENG, LEWIS STARR</td>
<td>VI</td>
<td>'98</td>
<td>1656 Third Ave., Louisville.</td>
</tr>
<tr>
<td>STRICKLAND, WILLIAM R., Δ. Y</td>
<td>I</td>
<td>'98</td>
<td>Philbrick Road, Brookline, Mass.</td>
</tr>
<tr>
<td>STRONG, MARY BAKER</td>
<td></td>
<td></td>
<td>258 Beacon St., Boston, Mass.</td>
</tr>
<tr>
<td>STROUT, ROBERT WHEELOCK</td>
<td>II</td>
<td>'00</td>
<td>22 Linden St., Salem, Mass.</td>
</tr>
<tr>
<td>STUART, HARVE REED</td>
<td>S</td>
<td></td>
<td>Newark, N. Y.</td>
</tr>
<tr>
<td>STURTEVANT, EDWARD, Φ. Ζ</td>
<td>IX</td>
<td>'98</td>
<td>77 Mommouth St., Brookline.</td>
</tr>
<tr>
<td>STURTEVANT, MARY</td>
<td></td>
<td></td>
<td>77 Mommouth St., Brookline.</td>
</tr>
<tr>
<td>STUTCHKOFF, SAMUEL</td>
<td>II</td>
<td>'99</td>
<td>1043 Washington St., Boston.</td>
</tr>
<tr>
<td>SUHR, CARL FREDERICK</td>
<td>II</td>
<td>'00</td>
<td>77 Chester Ave., Chelsea, Mass.</td>
</tr>
<tr>
<td>SULLIVAN, HENRY HOWARD</td>
<td>II</td>
<td>'98</td>
<td>98 Foster St., Brighton, Mass.</td>
</tr>
<tr>
<td>SUTER, RUSSELL</td>
<td>I</td>
<td>'00</td>
<td>St. Louis, Mo.</td>
</tr>
<tr>
<td>SUTERMEISTER, EDWIN</td>
<td>V</td>
<td>'99</td>
<td>Readville, Mass.</td>
</tr>
<tr>
<td>SUTLIFE, WALTER HANNEN</td>
<td>IV</td>
<td>'99</td>
<td>161 Lancaster St., Albany, N. Y.</td>
</tr>
<tr>
<td>SWAN, CLIFFORD MELVILLE</td>
<td>V</td>
<td>'99</td>
<td>91 Babcock St., Brookline, Mass.</td>
</tr>
<tr>
<td>SWASEY, ALBERT LORING, Δ. Ψ</td>
<td>XIII</td>
<td>'98</td>
<td>146 High St., Taunton, Mass.</td>
</tr>
<tr>
<td>SWEETSER, CHARLES H., Σ. A. E</td>
<td>S</td>
<td></td>
<td>27 Lawrence St., Wakefield, Mass.</td>
</tr>
<tr>
<td>SWIFT, CHARLES WILISTON</td>
<td>II</td>
<td>'98</td>
<td>Provincetown, Mass.</td>
</tr>
<tr>
<td>SWIFT, FRANK ROBINSON</td>
<td>X</td>
<td>'99</td>
<td>575 Delaware Ave., Buffalo, N. Y.</td>
</tr>
<tr>
<td>SWINSON, JOHANNNA CHARLOTTE</td>
<td>V</td>
<td>'00</td>
<td>Wellesley, Mass.</td>
</tr>
<tr>
<td>TALLMADGE, THOMAS EDDY, Φ. B. E</td>
<td>VI</td>
<td>'98</td>
<td>1631 Hinman Ave., Evanston, Ill.</td>
</tr>
<tr>
<td>TAPPAN, FREDERIC</td>
<td>VI</td>
<td>'99</td>
<td>171 Newbury St., Boston, Mass.</td>
</tr>
<tr>
<td>TAYLOR, DENZIL HOLLIS</td>
<td>I</td>
<td>'99</td>
<td>Peterboro, N. H.</td>
</tr>
<tr>
<td>TAYLOR, EDWARD MOLINEUX, Φ. B. E</td>
<td>II</td>
<td>'98</td>
<td>66 Garden St., Poughkeepsie, N. Y.</td>
</tr>
<tr>
<td>NAME AND FRATERNITY</td>
<td>COURSE</td>
<td>CLASS</td>
<td>HOME ADDRESS</td>
</tr>
<tr>
<td>-------------------------------------</td>
<td>--------</td>
<td>-------</td>
<td>-------------------------------------</td>
</tr>
<tr>
<td>Taylor, John</td>
<td>VI.</td>
<td>'97</td>
<td>294 Walnut St., Brookline, Mass.</td>
</tr>
<tr>
<td>Taylor, Mark Elliott</td>
<td>VIII.</td>
<td>'98</td>
<td>47 Lincoln St., Hyde Park, Mass.</td>
</tr>
<tr>
<td>Tew, William Henry, Δ. K. E.</td>
<td>II.</td>
<td>'98</td>
<td>418 Spring St., Jamestown, N. Y.</td>
</tr>
<tr>
<td>Thanisch, Otto Conrad</td>
<td>II.</td>
<td>'00</td>
<td>3305 Wash'n St., Jamaica Plain.</td>
</tr>
<tr>
<td>Thayer, Harry Martin</td>
<td>V.</td>
<td>'00</td>
<td>34 Hunt St., Brockton, Mass.</td>
</tr>
<tr>
<td>Thayer, Horace Richmond</td>
<td>I.</td>
<td>'98</td>
<td>Blackstone, Mass.</td>
</tr>
<tr>
<td>Thompson, Maurice de Kay, Δ. K. E.</td>
<td>VIII.</td>
<td>'98</td>
<td>508 Greenup St., Covington, Ky.</td>
</tr>
<tr>
<td>Thomson, Mary Jane</td>
<td>V.</td>
<td>'97</td>
<td>224 W. Torsey St., Elizabeth, N. J.</td>
</tr>
<tr>
<td>Thurber, Clinton Draper</td>
<td>I.</td>
<td>'00</td>
<td>592 Tremont St., Boston, Mass.</td>
</tr>
<tr>
<td>Tietig, Rudolph</td>
<td>IV.</td>
<td>'98</td>
<td>419 Rockdale Ave., Cincinnati, O.</td>
</tr>
<tr>
<td>Tiffany, George Stanton, Δ. Ψ.</td>
<td>II.</td>
<td>'00</td>
<td>1705 Conn. Av., Washington, D.C.</td>
</tr>
<tr>
<td>Tilton, Mary Azuba</td>
<td>VI.</td>
<td>'97</td>
<td>Concord, Mass.</td>
</tr>
<tr>
<td>Tinkham, Edgar Luther, B.P.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Todd, Thomas, Jr.</td>
<td>II.</td>
<td>'99</td>
<td>Concord, Mass.</td>
</tr>
<tr>
<td>Tone, Jay Erwin</td>
<td>X.</td>
<td>'97</td>
<td>1427 Woodl'nd Av., Des Moines, Ia.</td>
</tr>
<tr>
<td>Torrey, Charles Augustine, Jr.</td>
<td>V.</td>
<td>'98</td>
<td>Lynnfield, Mass.</td>
</tr>
<tr>
<td>Tower, Samuel Francis, A.B.</td>
<td>S.</td>
<td></td>
<td>English High School, Boston.</td>
</tr>
<tr>
<td>Tower, Walter Russell</td>
<td>II.</td>
<td>'00</td>
<td>Auburndale, Mass.</td>
</tr>
<tr>
<td>Townsend, George Richards, Δ. Y.</td>
<td>XIII.</td>
<td>'99</td>
<td>287 Pearl St., New York City.</td>
</tr>
<tr>
<td>Trask, Edgar Pierce</td>
<td>XIII.</td>
<td>'99</td>
<td>Peabody, Mass.</td>
</tr>
<tr>
<td>Treat, George Winfield</td>
<td>I.</td>
<td>'98</td>
<td>Livermore Falls, Me.</td>
</tr>
<tr>
<td>Trumbull, Morris Kinnard, B. Θ. II.</td>
<td>I.</td>
<td>'97</td>
<td>4544 Oakenwald Ave., Chicago.</td>
</tr>
<tr>
<td>Tubbs, Henry Welles, X. Φ.</td>
<td>IV.</td>
<td>'00</td>
<td>Kingston, Pa.</td>
</tr>
<tr>
<td>Tuck, Theodore Calvin</td>
<td>I.</td>
<td>'00</td>
<td>57 Portland St., Haverhill, Mass.</td>
</tr>
<tr>
<td>Tucker, Atherton Howe</td>
<td>IV.</td>
<td>'98</td>
<td>1079 Adams St., Dorchester, Mass.</td>
</tr>
<tr>
<td>Tucker, Frank Stevenson</td>
<td>S.</td>
<td></td>
<td>Marblehead, Mass.</td>
</tr>
<tr>
<td>Tucker, Fred Irving</td>
<td>II.</td>
<td>'00</td>
<td>222 Massachusetts Ave., Boston.</td>
</tr>
<tr>
<td>Tucker-Cornell, Idair</td>
<td>S.</td>
<td></td>
<td>22 Pleasant St., Salem, Mass.</td>
</tr>
<tr>
<td>Tudbury, Warren Chamberlain</td>
<td>I.</td>
<td>'00</td>
<td>40 Warren St., Salem, Mass.</td>
</tr>
<tr>
<td>Tufts, John Lawrence</td>
<td>V.</td>
<td>'99</td>
<td>50 Woodbine St., Roxbury, Mass.</td>
</tr>
<tr>
<td>Tweedy, George Augustus</td>
<td>III.</td>
<td>'00</td>
<td>Los Angeles, Cal.</td>
</tr>
<tr>
<td>Twombly, Fred Henry</td>
<td>IX.</td>
<td>'98</td>
<td>Newton Centre, Mass.</td>
</tr>
<tr>
<td>Tyler, Lucius Spaulding, Σ. Χ.</td>
<td>VI.</td>
<td>'97</td>
<td>254 Linden St., Waltham, Mass.</td>
</tr>
<tr>
<td>Ulke, Darwin</td>
<td>VI.</td>
<td>'00</td>
<td>411 15th St., N. W. Wash'n, D. C.</td>
</tr>
<tr>
<td>Ulmer, George Frederick, X. Φ.</td>
<td>V.</td>
<td>'98</td>
<td>82 Cliff St., Norwich, Conn.</td>
</tr>
<tr>
<td>Underwood, Frank Edward</td>
<td>II.</td>
<td>'97</td>
<td>Auburndale, Mass.</td>
</tr>
<tr>
<td>Underwood, Howard Coggin</td>
<td>II.</td>
<td>'98</td>
<td>Natick, Mass.</td>
</tr>
<tr>
<td>Valhkamp, Henry Rudolph</td>
<td>S.</td>
<td></td>
<td>2210 Miami St., St. Louis, Mo.</td>
</tr>
<tr>
<td>Vinal, Ralph Sumner</td>
<td>IV.</td>
<td>'97</td>
<td>42 Warren Ave., Brockton, Mass.</td>
</tr>
<tr>
<td>Vining, Robert McAllaster</td>
<td>II.</td>
<td>'98</td>
<td>South Weymouth, Mass.</td>
</tr>
<tr>
<td>Vogel, Emil Frederick</td>
<td>I.</td>
<td>'00</td>
<td>40 Hartwell St., Roxbury, Mass.</td>
</tr>
<tr>
<td>Wadleigh, George Robinson</td>
<td>II.</td>
<td>'97</td>
<td>Fountain St., West Newton, Mass.</td>
</tr>
<tr>
<td>NAME AND FRATERNITY</td>
<td>COURSE</td>
<td>CLASS</td>
<td>HOME ADDRESS</td>
</tr>
<tr>
<td>-------------------------------------</td>
<td>--------</td>
<td>-------</td>
<td>-----------------------------------</td>
</tr>
<tr>
<td>Wadsworth, George Reed, ∆. T.</td>
<td>I</td>
<td>'98</td>
<td>29 Beaver St., Keene, N. H.</td>
</tr>
<tr>
<td>Walker, Clarence Howard</td>
<td>II</td>
<td>'99</td>
<td>Rumford, R. I.</td>
</tr>
<tr>
<td>Wallace, Robert Bruce, ∆. T.</td>
<td>XIII</td>
<td>'98</td>
<td>120 Viaduct, Cleveland, Ohio.</td>
</tr>
<tr>
<td>Walls, John</td>
<td>S</td>
<td></td>
<td>Lewisburg, Pa.</td>
</tr>
<tr>
<td>Walters, Edward Philip</td>
<td>V</td>
<td>'99</td>
<td>42 Camp St., Providence, R. I.</td>
</tr>
<tr>
<td>Walther, William John</td>
<td>I</td>
<td>'97</td>
<td>929 N. Halsted St., Chicago, Ill.</td>
</tr>
<tr>
<td>Warren, Frank Dinsmore</td>
<td>II</td>
<td>'00</td>
<td>22 Pleasant St., Northboro, Mass.</td>
</tr>
<tr>
<td>Waterson, Karl William</td>
<td>VI</td>
<td>'98</td>
<td>31 Bellevue St., Lowell, Mass.</td>
</tr>
<tr>
<td>Watkins, Frederick Arthur</td>
<td>VI</td>
<td>'99</td>
<td>333 Rush St., Chicago, Ill.</td>
</tr>
<tr>
<td>Watrous, Charles Albert, ∆. E.</td>
<td>IV</td>
<td>'99</td>
<td>672 17th St., Des Moines.</td>
</tr>
<tr>
<td>Watts, Francis Henry</td>
<td>I</td>
<td>'97</td>
<td>Natick, Mass.</td>
</tr>
<tr>
<td>Weaver, Erasmus Morgan</td>
<td>S</td>
<td></td>
<td>Fort Warren, Mass.</td>
</tr>
<tr>
<td>Weeden, Walter Leslie</td>
<td>II</td>
<td>'00</td>
<td>14 S. 6th St., New Bedford, Mass.</td>
</tr>
<tr>
<td>Weeks, Irving Chambers</td>
<td>IX</td>
<td>'98</td>
<td>7 Holburn St., Roxbury, Mass.</td>
</tr>
<tr>
<td>Weeks, Merle</td>
<td>IV</td>
<td>'99</td>
<td>1011 N. H. Ave., Washington</td>
</tr>
<tr>
<td>Weimer, Edgar Arthur</td>
<td>II</td>
<td>'98</td>
<td>Lebanon, Pa.</td>
</tr>
<tr>
<td>Welbourn, Edward Hambleton</td>
<td>II</td>
<td>'00</td>
<td>1639 N. Colvert St., Baltimore, Md.</td>
</tr>
<tr>
<td>Wells, Walter Wiley</td>
<td>VI</td>
<td>'99</td>
<td>Sackville, N. B.</td>
</tr>
<tr>
<td>Wentworth, John Frank</td>
<td>XIII</td>
<td>'00</td>
<td>Rochester, N. H.</td>
</tr>
<tr>
<td>Werner, Frank Albert, Σ. X.</td>
<td>XIII</td>
<td>'99</td>
<td>530 W. Market St., Akron, Ohio.</td>
</tr>
<tr>
<td>Wessel, John Frederick, A.B.</td>
<td>VI</td>
<td>'98</td>
<td>436 N. Summer St., Nashville</td>
</tr>
<tr>
<td>Wesson, Leonard</td>
<td>II</td>
<td>'00</td>
<td>21 Rockville Park, Roxbury, Mass.</td>
</tr>
<tr>
<td>Wesson, Paul Bancroft</td>
<td>II</td>
<td>'98</td>
<td>Tyngsboro, Mass.</td>
</tr>
<tr>
<td>West, William Eaton, Σ. E.</td>
<td>V</td>
<td>'99</td>
<td>24 Rockingham St., Cambridgeport.</td>
</tr>
<tr>
<td>Westcott, Jennie Smith</td>
<td>S</td>
<td></td>
<td>171 Massachusetts Ave., Boston.</td>
</tr>
<tr>
<td>Weymouth, Thomas Rote, ∆. T.</td>
<td>VI</td>
<td>'97</td>
<td>56 W. Main St., Lock Haven, Pa.</td>
</tr>
<tr>
<td>Whitaker, Lewis Rose</td>
<td>II</td>
<td>'99</td>
<td>Parsons St., Brighton, Mass.</td>
</tr>
<tr>
<td>White, Arthur Burr</td>
<td>X</td>
<td>'00</td>
<td>West Newton, Mass.</td>
</tr>
<tr>
<td>White, Harry Keith</td>
<td>IV</td>
<td>'99</td>
<td>32 N. Main St., Brattleboro, Vt.</td>
</tr>
<tr>
<td>White, William</td>
<td>V</td>
<td>'98</td>
<td>195 Cohasset St., Taunton, Mass.</td>
</tr>
<tr>
<td>Whitehouse, Morris Homans</td>
<td>IV</td>
<td></td>
<td>175 14th St., Portland, Ore.</td>
</tr>
<tr>
<td>Whiting, Eleanor Felton</td>
<td>S</td>
<td></td>
<td>Trinity Court, Boston, Mass.</td>
</tr>
<tr>
<td>Whitman, Nathan Davis</td>
<td>XI</td>
<td>'00</td>
<td>455 Broadway, S. Boston, Mass.</td>
</tr>
<tr>
<td>Whiton, David Thomas</td>
<td>II</td>
<td>'97</td>
<td>Hingham Centre, Mass.</td>
</tr>
<tr>
<td>Whitten, Roscoe Benjamin</td>
<td>IV</td>
<td>'98</td>
<td>129 Brooks St., E. Boston, Mass.</td>
</tr>
<tr>
<td>Whitten, William Henry, Jr., S.B.</td>
<td>S</td>
<td></td>
<td>59 School St., Roxbury, Mass.</td>
</tr>
<tr>
<td>Wyard, Edward Saxon</td>
<td>S</td>
<td></td>
<td>78 Chandler St., Boston, Mass.</td>
</tr>
<tr>
<td>Wickes, Lewis Webster</td>
<td>II</td>
<td>'00</td>
<td>602 No. Ewing St., Helena, Mont.</td>
</tr>
<tr>
<td>Wrightman, Fred</td>
<td>II</td>
<td>'99</td>
<td>Oskaloosa, Iowa.</td>
</tr>
<tr>
<td>Wilder, Clifton White</td>
<td>II</td>
<td>'98</td>
<td>8 Gardner Pl., Leominster, Mass.</td>
</tr>
<tr>
<td>Wilder, Ralph Edward</td>
<td>I</td>
<td>'98</td>
<td>3 Sunset Av., Jamaica Plain, Mass.</td>
</tr>
</tbody>
</table>

301
<table>
<thead>
<tr>
<th>NAME AND FRATERNITY</th>
<th>COURSE</th>
<th>CLASS</th>
<th>HOME ADDRESS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wilder, William Alphonso</td>
<td>VI</td>
<td>'98</td>
<td>619 B. St., S. E. Washington, D.C.</td>
</tr>
<tr>
<td>Willey, Nettie Morton</td>
<td>S</td>
<td></td>
<td>1 Bower Park, Roxbury, Mass.</td>
</tr>
<tr>
<td>Willey, Raymond</td>
<td>V</td>
<td>'00</td>
<td>Newtonville, Mass.</td>
</tr>
<tr>
<td>Willis, Raymond Smith, Φ, B. E.</td>
<td>S</td>
<td></td>
<td>210 Davis St., Evanston, Ill.</td>
</tr>
<tr>
<td>Wilson, Alda, B. C. E.</td>
<td>S</td>
<td></td>
<td>Harper, Iowa.</td>
</tr>
<tr>
<td>Wilson, Alice Virginia</td>
<td>V</td>
<td>'00</td>
<td>Lenoir, N. C.</td>
</tr>
<tr>
<td>Wilson, Elmira, C. E.</td>
<td>S</td>
<td></td>
<td>Harper, Iowa.</td>
</tr>
<tr>
<td>Wing, Charles Frederic</td>
<td>VI</td>
<td>'98</td>
<td>37 So. 6th St., New Bedford, Mass.</td>
</tr>
<tr>
<td>Wing, David Laforest, Φ, K. E.</td>
<td>IX</td>
<td>'98</td>
<td>76 Ohio St., Bangor, Me.</td>
</tr>
<tr>
<td>Wing, Ida Cecila Stratton</td>
<td>S</td>
<td></td>
<td>49 Boylston St., Jamaica Plain</td>
</tr>
<tr>
<td>Winslow, George Carlos, Jr.</td>
<td>VI</td>
<td>'99</td>
<td>12 Yarmouth St., Boston, Mass.</td>
</tr>
<tr>
<td>Wise, Howard Parker</td>
<td>I</td>
<td>'00</td>
<td>139-Webster St., Malden, Mass.</td>
</tr>
<tr>
<td>Witherell, Frederick Whitefield</td>
<td>II</td>
<td>'00</td>
<td>11 Herrick St., Winchester, Mass.</td>
</tr>
<tr>
<td>Witherell, Percy Warren</td>
<td>VI</td>
<td>'99</td>
<td>5 Devon St., Roxbury, Mass.</td>
</tr>
<tr>
<td>Wood, Florence Anna</td>
<td>VIII</td>
<td>'97</td>
<td>9 Bainbridge St., Roxbury, Mass.</td>
</tr>
<tr>
<td>Wood, William Remington</td>
<td>XIII</td>
<td>'97</td>
<td>136 Broadway, Providence, R. I.</td>
</tr>
<tr>
<td>Woodman, Alpheus Grant</td>
<td>V</td>
<td>'97</td>
<td>Essex, Mass.</td>
</tr>
<tr>
<td>Woodman, George Madock</td>
<td>I</td>
<td>'97</td>
<td>Essex, Mass.</td>
</tr>
<tr>
<td>Woodward, Allan Harvey</td>
<td>III</td>
<td>'00</td>
<td>Birmingham, Ala.</td>
</tr>
<tr>
<td>Woodyatt, Ernest, Σ. X.</td>
<td>IV</td>
<td>'97</td>
<td>Evanston, Ill.</td>
</tr>
<tr>
<td>Woollett, John Woodward</td>
<td>I</td>
<td>'99</td>
<td>Valmont, Col.</td>
</tr>
<tr>
<td>Worden, Edwin Sheldon</td>
<td>II</td>
<td>'00</td>
<td>Newton, Mass.</td>
</tr>
<tr>
<td>Wright, George Henry</td>
<td>IX</td>
<td>'98</td>
<td>104 Dartmouth St., Boston, Mass.</td>
</tr>
<tr>
<td>Wyzanski, Isaac</td>
<td>S</td>
<td></td>
<td>9 Sheafe St., Boston</td>
</tr>
<tr>
<td>Ziegler, Percy Rolfe</td>
<td>II</td>
<td>'00</td>
<td>1 Ellis St., Roxbury, Mass.</td>
</tr>
<tr>
<td>Zimmermann, Walter, G. Σ. X.</td>
<td>II</td>
<td>'98</td>
<td>683 Sedgegwick St., Chicago, Ill.</td>
</tr>
<tr>
<td>Zirngiebel, Frances</td>
<td>S</td>
<td></td>
<td>61 Bower St., Roxbury, Mass.</td>
</tr>
</tbody>
</table>
In Memoriam.

PARKER REED McLAUTHLIN, '99.
Died April 23, 1896.

WILLIAM MONTAGUE HALL, '98.
Died June 19, 1896.

CHARLES MAYO SWAN, '97.
Died July 31, 1896.

JOSEPH CUSHING, '97.
Died September 18, 1896.

SAMUEL HINKLEY ALLYNE, '98.
Died December 13, 1896.
<table>
<thead>
<tr>
<th>Name</th>
<th>Residence</th>
</tr>
</thead>
<tbody>
<tr>
<td>Adams, Lucy Mary</td>
<td>Hyde Park, Mass.</td>
</tr>
<tr>
<td>Alger, John Herbert</td>
<td>Reading, Mass.</td>
</tr>
<tr>
<td>Allen, Winthrop Blakesley</td>
<td>Newton, Mass.</td>
</tr>
<tr>
<td>Barnard, Walter Mason</td>
<td>Granville, N. Y.</td>
</tr>
<tr>
<td>Barrett, Jessie Gertrude</td>
<td>Malden, Mass.</td>
</tr>
<tr>
<td>Baxter, Clara V.</td>
<td>Dorchester, Mass.</td>
</tr>
<tr>
<td>Beebe, Adelaide Sophia</td>
<td>Boston, Mass.</td>
</tr>
<tr>
<td>Bliss, Nellie May</td>
<td>Quincy, Mass.</td>
</tr>
<tr>
<td>Bucknam, Grace Winslow</td>
<td>Roxbury, Mass.</td>
</tr>
<tr>
<td>Chamberlain, Harriette Louise</td>
<td>Boston, Mass.</td>
</tr>
<tr>
<td>Danforth, Homer Wallace</td>
<td>Woburn, Mass.</td>
</tr>
<tr>
<td>Davis, Grace Hammond</td>
<td>Littleton, N. H.</td>
</tr>
<tr>
<td>Daw, Minnie Ella</td>
<td>Franklin, Mass.</td>
</tr>
<tr>
<td>Dwyer, Elizabeth Loretta</td>
<td>Cambridgeport, Mass.</td>
</tr>
<tr>
<td>Falvey, Kartarine</td>
<td>Roxbury, Mass.</td>
</tr>
<tr>
<td>Fiske, Edith Porter</td>
<td>Cambridgeport, Mass.</td>
</tr>
<tr>
<td>Ford, Harriet J.</td>
<td>Duxbury, Mass.</td>
</tr>
<tr>
<td>Gillette, Mary Louise</td>
<td>Newton Highlands, Mass.</td>
</tr>
<tr>
<td>Goodrich, Grace Rosetta</td>
<td>Dorchester, Mass.</td>
</tr>
<tr>
<td>Gray, Reuben Forest</td>
<td>South Manchester, Conn.</td>
</tr>
<tr>
<td>Guell, Alice F.</td>
<td>Boston, Mass.</td>
</tr>
<tr>
<td>Harvey, Elvira Toppan</td>
<td>Newton Highlands, Mass.</td>
</tr>
<tr>
<td>Hilton, Rena Evelyn</td>
<td>Danversport, Mass.</td>
</tr>
<tr>
<td>Hines, Edward Waldron</td>
<td>Everett, Mass.</td>
</tr>
<tr>
<td>Hosmer, George Hammond</td>
<td>Boston, Mass.</td>
</tr>
<tr>
<td>Humphrey, Jane Marion K.</td>
<td>Boston, Mass.</td>
</tr>
<tr>
<td>Jordan, Carlotta May</td>
<td>Everett, Mass.</td>
</tr>
<tr>
<td>Kidger, Lottie Henson</td>
<td>Boston, Mass.</td>
</tr>
<tr>
<td>McGrath, Benedict Vincent</td>
<td>Hyde Park, Mass.</td>
</tr>
<tr>
<td>Orcutt, Leon F.</td>
<td></td>
</tr>
<tr>
<td>NAME</td>
<td>RESIDENCE</td>
</tr>
<tr>
<td>-----------------------------</td>
<td>----------------------------</td>
</tr>
<tr>
<td>Parker, James Burpee</td>
<td>Newtonville, Mass.</td>
</tr>
<tr>
<td>Poor, Frederick Walton</td>
<td>Derry, N. H.</td>
</tr>
<tr>
<td>Richardson, Helen Louise</td>
<td>Roxbury, Mass.</td>
</tr>
<tr>
<td>Sargent, Ethel Marion</td>
<td>Roxbury, Mass.</td>
</tr>
<tr>
<td>Shackford, Charles Lee</td>
<td>East Weymouth, Mass.</td>
</tr>
<tr>
<td>Taggard, Hattie Sophia</td>
<td>Nashua, N. H.</td>
</tr>
<tr>
<td>Thuresson, Maude May</td>
<td>South Boston, Mass.</td>
</tr>
<tr>
<td>Tileston, Millie Houghton</td>
<td>Dorchester, Mass.</td>
</tr>
<tr>
<td>Tripp, Herbert Lyman</td>
<td>Middleboro, Mass.</td>
</tr>
<tr>
<td>Waterman, James Copeland</td>
<td>Hanover, Mass.</td>
</tr>
<tr>
<td>Wright, Myra</td>
<td>Boston, Mass.</td>
</tr>
</tbody>
</table>

305
FELLOWS.

Savage Fellowship.

Wendell, George Vincent, S.B., Massachusetts Institute of Technology.

Swett Fellowship.

Berry, Charles William, S.B., Massachusetts Institute of Technology.

CANDIDATES FOR ADVANCED DEGREES.

Bixby, George Linden, S.B., Massachusetts Institute of Technology.
Cummings, Henry, Jr., S.B., Massachusetts Institute of Technology.
Dodd, Margaret Elliot, S.B., Massachusetts Institute of Technology.
Henry, Ralph Coolidge, S.B., Massachusetts Institute of Technology.
Keith, Simeon Curtis, Jr., S.B., Massachusetts Institute of Technology.
Smith, Herbert Edwards, S.B., Massachusetts Institute of Technology.
Smyser, Albert Ernest, S.B., Massachusetts Institute of Technology.
Smyser, James Swett, S.B., Massachusetts Institute of Technology.
Whitten, William Henry, Jr., S.B., Massachusetts Institute of Technology.

OTHER GRADUATE STUDENTS.

Anderson, Robert, Ph.B., Yale University.
Andrews, George Frederick, A.M., Brown University.
Benson, Howard Jonathan, Ph.B., Colorado College.
Blossom, David Henry, A.B., Middlebury College.
Brown, Dickson Queen, A.B., Princeton University.
Burr, Helen Louise, B.A., Wellesley College.
Chapman, James Finley, B.S., Carleton College.
Chase, Aurin Moody, B.S., Amherst College.
Chase, Wendell Wyse, B.C.E., Main State College.
Clark, Charles Bevan, A.B., Johns Hopkins University.
Curtis, Harry Appleton, A.B., Harvard University.
Cutler, Jane Ruth, A.B., Smith College.
Daniels, Nathan Hagar, Jr., S.B., Massachusetts Institute of Technology.
DARLINGTON, WILLIAM, M.E., Cornell University.
DATE, PHILIP HERRICK, B.A., Williams College.
DEVITT, HENRY McINTYRE, B.S., University of Vermont.
DODGE, EDWIN SHERRILL, A.B., Harvard University.
DOTY, GEORGE FRANCIS, B.A., Throop Institute.
ELSON, ARTHUR, A.B., Harvard University.
FENNER, DAVID COLTON, Ph.B., Yale University.
FERGUSON, FINLAY FORBES, A.B., B.S., Hampden-Sidney College.
FIELD, LEONARD HAMILTON, A.B., Amherst College.
FIFIELD, ETHEL FRANCES, A.B., Smith College.
FITZ GERALD, JOHN WATSON, S.B., University of Michigan.
FROTHINGHAM, BROOKS, A.B., Harvard University.
GILMORE, JONATHAN MONROE, B.S., University of California.
GODFREY, WILLIAM HOLLIS, Ph.B., Tufts College.
GREENMAN, BESSIE, B.A., Wellesley College.
GUY, JAMES RINGOLD, B.S., Virginia Polytechnic Institute.
HAYWARD, NATHAN, A.B., Harvard University.
HEGHINIAN, GARABED GEORGE, A.B., Central Turkey College.
HEWITT, EDWIN HAWLEY, A.B., University of Minnesota.
HOEFLER, PHIL REMINGTON, B.S., Norwich University.
HORSEY, OTTERTBRIDGE, Jr., A.B., Georgetown University.
HOWARD, ARTHUR FISKE, B.S., Amherst College.
HUNTINGTON, GEORGE DANFORTH, A.B., University of Rochester.
HURD, BENJAMIN, S.B., Massachusetts Institute of Technology.
JENKINS, LAWRENCE WATERS, A.B., Harvard University.
JOHNSON, ARTHUR ALBERT, A.B., Indianapolis University.
LACY, ROBERT, A.B., Johns Hopkins University.
LAXON, ARTHUR RENSSLAER, B.S., University of Chicago.
LAWRENCE, AMOS AMORY, A.B., Harvard University.
LOMBARD, PERCIVAL HALL, A.B., Harvard University.
LONG, MARGARET, A.B., Smith College.
MABIE, HARRY SAXTON, B.P., Brown University.
MCIVER, JEAN BOND, B.S., Wellesley College.
MCKELL, WILLIAM, Ph.B., Yale University (S. S. S.)
MERRICK, CHARLES IRVING, A.B., Harvard University.
NEBEL, HERREROS ALEJANDRO, B.S., University of Santiago.
NERIDICH, SAMUEL ABRAMS, Ph.B., Dickinson College.
NELSON, ALEXANDER HARVARD, A.B., Princeton University.
O'LEARY, WILLIAM HENRY JOSEPH, A.M., Georgetown University.
OLIVER, MARSHAL FRANCIS, A.B., St. John's College.
POTTS, LOUIS JOSEPH, A.B., Boston College.
PUTNAM, WILLIAM EDWARD, Jr., A.B., Harvard University.
REAL Y GAUILLARD, JUAN, A.B., Colegio de Carreras.
RICHARDSON, PHILIP, A.B., Harvard University.
SARGENT, HOMER EARLE, Jr., Ph.B., Yale University (S. S. S.)
SCUDDER, HAYWARD, B.A., Trinity College.
SMITH, GEORGE LAWRENCE, A.B., Harvard University.
SMITH, HARRISON WILLARD, A.B., Harvard University.
STOCKTON, PHILIP, A.B., Harvard University.
STOUTER, JOHN BURTON, B.E., Drake University.
TINKHAM, EDGAR LUTHER, B.P., Brown University.
TOWER, SAMUEL FRANCIS, A.B., Dartmouth College.
WEAVER, ERASMUS MORGAN, Graduate U. S. Artillery School.
WESSEL, JOHN FREDERICK, A.B., Georgetown University.
WILSON, ALDA, B.C., Iowa State College.
WILSON, ELMINA, C.E., Iowa State College.
WITHERBY, EDWIN CHAPLIN, S.B., Amherst College.
Young Women

Studying at the Institute
### Young Women at the Institute

<table>
<thead>
<tr>
<th>Name</th>
<th>Major</th>
</tr>
</thead>
<tbody>
<tr>
<td>Allen, Lucy Mabel</td>
<td>Chemistry</td>
</tr>
<tr>
<td>Ballantyne, Bertha Lennie</td>
<td>Chemistry, Drawing, English, Language, Mathematics</td>
</tr>
<tr>
<td>Bartlett, Jane Howard</td>
<td>Regular</td>
</tr>
<tr>
<td>Boland, Mary A.</td>
<td>Biology, Language</td>
</tr>
<tr>
<td>Buck, Hattie Josephine</td>
<td>Biology, Geology, Mathematics</td>
</tr>
<tr>
<td>Burr, Alice Morville</td>
<td>Biology</td>
</tr>
<tr>
<td>Burr, Helen Louise</td>
<td>Biology</td>
</tr>
<tr>
<td>Chamberlain, Grace</td>
<td>English</td>
</tr>
<tr>
<td>Chandler, Edna Matilda, V., '99</td>
<td>Biology</td>
</tr>
<tr>
<td>Chapman, Mary Bugbee</td>
<td>Regular</td>
</tr>
<tr>
<td>Church, Lenoir Campbell, '00</td>
<td>Biology</td>
</tr>
<tr>
<td>Clapp, Mabel Delano</td>
<td>Chemistry</td>
</tr>
<tr>
<td>Cornell, Leonora C.</td>
<td>Biology</td>
</tr>
<tr>
<td>Crane, Eva Hayes, IV., '98</td>
<td>Regular</td>
</tr>
<tr>
<td>Cutler, Jane Ruth, A.B.</td>
<td>Chemistry</td>
</tr>
<tr>
<td>Day, Mary Harriet</td>
<td>Biology</td>
</tr>
<tr>
<td>Dexter, Katherine Moore</td>
<td>Biology, Chemistry</td>
</tr>
<tr>
<td>Dodd, Margaret Eliot, S.B.</td>
<td>Biology</td>
</tr>
<tr>
<td>Dolbear, Katherine Ella</td>
<td>Geology</td>
</tr>
<tr>
<td>Dozier, Henrietta Cuttins, IV., '99</td>
<td>Regular</td>
</tr>
<tr>
<td>Duff, Ellen Loretto</td>
<td>Biology</td>
</tr>
<tr>
<td>Durgin, Clara Isabel, '00</td>
<td>Regular</td>
</tr>
<tr>
<td>Fifield, Ethel Frances, A.B.</td>
<td>Architecture, Drawing</td>
</tr>
<tr>
<td>Forrest, Mabel Flora, VII., '98</td>
<td>Regular</td>
</tr>
<tr>
<td>Garrett, Christina Hallowell, IV., '99</td>
<td>Regular</td>
</tr>
<tr>
<td>Greenman, Bessie, B.A.</td>
<td>Mathematics, Physics</td>
</tr>
<tr>
<td>Ham, Clara Eleanor, VII., '99</td>
<td>Regular</td>
</tr>
<tr>
<td>Harriman, Susan Sigourney</td>
<td>Biology</td>
</tr>
<tr>
<td>Hicks, Anna Cordelia</td>
<td>Architecture, Drawing, Mathematics</td>
</tr>
<tr>
<td>Hill, Grace Mary</td>
<td>Mathematics</td>
</tr>
<tr>
<td>Hopwood, Cora Stella, '00</td>
<td>Regular</td>
</tr>
<tr>
<td>Hough, Elizabeth E.</td>
<td>Biology</td>
</tr>
<tr>
<td>Hyde, Anna Farwell</td>
<td>Biology</td>
</tr>
<tr>
<td>Johnson, Josephine Forbush</td>
<td>Biology</td>
</tr>
<tr>
<td>Kennedy, Mildred</td>
<td>Biology</td>
</tr>
<tr>
<td>Kingsbury, Ivy Anna</td>
<td>Drawing</td>
</tr>
<tr>
<td>Laing, Minerva Abigale</td>
<td>Biology, Chemistry, Language</td>
</tr>
<tr>
<td>Lander, Ruth Ella</td>
<td>Biology</td>
</tr>
<tr>
<td>Langford, Grace, VIII., '98</td>
<td>Regular</td>
</tr>
<tr>
<td>Leadbetter, Florence Eugénie</td>
<td>Chemistry</td>
</tr>
<tr>
<td>Name</td>
<td>Major(s)</td>
</tr>
<tr>
<td>-----------------------------</td>
<td>-----------------------------------------------</td>
</tr>
<tr>
<td>Long, Margaret, A.B.</td>
<td>Biology, Physics</td>
</tr>
<tr>
<td>Manning, Alice Lee</td>
<td>Chemistry</td>
</tr>
<tr>
<td>McIver, Jean Bond</td>
<td>Biology</td>
</tr>
<tr>
<td>Mills, Helen Curtis</td>
<td>Biology</td>
</tr>
<tr>
<td>Norris, Grace Adelaide</td>
<td>Chemistry</td>
</tr>
<tr>
<td>Noyes, Harriet Niles</td>
<td>Biology, Chemistry, Drawing</td>
</tr>
<tr>
<td>O'Connell, Catherine</td>
<td>Biology</td>
</tr>
<tr>
<td>Phoenix, Amy Elizabeth</td>
<td>Biology</td>
</tr>
<tr>
<td>Potter, Sarah Emeline</td>
<td>Biology</td>
</tr>
<tr>
<td>Ryan, Ida Annah</td>
<td>Architecture, Drawing, Mathematics</td>
</tr>
<tr>
<td>Schlesinger, Helen</td>
<td>Biology, Chemistry</td>
</tr>
<tr>
<td>Stark, Helen Gertrude</td>
<td>Biology</td>
</tr>
<tr>
<td>Strong, Mary Baker</td>
<td>Biology</td>
</tr>
<tr>
<td>Sturtevant, Mary</td>
<td>Biology</td>
</tr>
<tr>
<td>Swinson, Johanna Charlotte, '00</td>
<td>Regular</td>
</tr>
<tr>
<td>Thomson, Mary Jane, V., '97</td>
<td>Regular</td>
</tr>
<tr>
<td>Tilton, Mary Azuba</td>
<td>Biology</td>
</tr>
<tr>
<td>Tucker-Cornell Idaire</td>
<td>Biology</td>
</tr>
<tr>
<td>Usher, Susannah</td>
<td>Biology, Drawing, English, Geology, History, Language, Political Science</td>
</tr>
<tr>
<td>Wescott, Jennie Smith</td>
<td>Biology</td>
</tr>
<tr>
<td>Whiting, Eleanor Felton</td>
<td>Biology, Chemistry</td>
</tr>
<tr>
<td>Wignall, Lily</td>
<td>Biology</td>
</tr>
<tr>
<td>Willey, Nettie Morton</td>
<td>Chemistry, Physics</td>
</tr>
<tr>
<td>Wilson, Alda, B.C.E.</td>
<td>Architecture, Drawing, Language</td>
</tr>
<tr>
<td>Wilson, Alice Virginia, '00</td>
<td>Regular</td>
</tr>
<tr>
<td>Wilson, Elmina, C.E.</td>
<td>Architecture, Drawing, Geology, Language</td>
</tr>
<tr>
<td>Wing, Ida Ceola Stratton</td>
<td>Chemistry</td>
</tr>
<tr>
<td>Wood, Florence Anna, VIII., '97</td>
<td>Regular</td>
</tr>
<tr>
<td>Zirngiebel, Frances</td>
<td>Biology</td>
</tr>
</tbody>
</table>
Index

of the pages
of Technique.
**INDEX.**

<table>
<thead>
<tr>
<th>A Conversation</th>
<th>245</th>
</tr>
</thead>
<tbody>
<tr>
<td>Abbreviations</td>
<td>278</td>
</tr>
<tr>
<td>Administrative Officers</td>
<td>9</td>
</tr>
<tr>
<td>Advertisements</td>
<td>317</td>
</tr>
<tr>
<td>Alumni Associations</td>
<td>143</td>
</tr>
<tr>
<td>Alumni, Salaries of</td>
<td>269</td>
</tr>
<tr>
<td>Amateur Records, World's</td>
<td>196</td>
</tr>
<tr>
<td>Andover Club</td>
<td>105</td>
</tr>
<tr>
<td>Architectural Society</td>
<td>122</td>
</tr>
<tr>
<td>Architectural Summer School</td>
<td>216</td>
</tr>
<tr>
<td>Arts, Society of</td>
<td>147</td>
</tr>
<tr>
<td>Assistants</td>
<td>28</td>
</tr>
<tr>
<td>Athletic Association, New England Intercollegiate</td>
<td>182</td>
</tr>
<tr>
<td>Athletic Club, Technology</td>
<td>177</td>
</tr>
<tr>
<td>Athletics</td>
<td>175</td>
</tr>
<tr>
<td>Athletics, Editorial on General</td>
<td>176</td>
</tr>
<tr>
<td>Banjo Club</td>
<td>139</td>
</tr>
<tr>
<td>Baseball, Ninety-eight vs. Ninety-nine</td>
<td>205</td>
</tr>
<tr>
<td>Biological Journal Club</td>
<td>128</td>
</tr>
<tr>
<td>&quot;Birdie Reading Book,&quot; The</td>
<td>237</td>
</tr>
<tr>
<td>&quot;Button, Button, Who's got a Button?&quot;</td>
<td>226</td>
</tr>
<tr>
<td>Calendar</td>
<td>6</td>
</tr>
<tr>
<td>Cane Rush</td>
<td>211</td>
</tr>
<tr>
<td>Chess Club, The</td>
<td>119</td>
</tr>
<tr>
<td>Chicago Club</td>
<td>115</td>
</tr>
<tr>
<td>Cincinnati Club</td>
<td>114</td>
</tr>
<tr>
<td>Civil Engineering Society</td>
<td>124</td>
</tr>
<tr>
<td>Class Championship, 1895-96</td>
<td>190</td>
</tr>
<tr>
<td>Class Colors and Yells</td>
<td>76</td>
</tr>
<tr>
<td>Class Day</td>
<td>156</td>
</tr>
<tr>
<td>Classes, The</td>
<td>35</td>
</tr>
<tr>
<td>Class Secretaries, Graduate</td>
<td>145</td>
</tr>
<tr>
<td>Cleofan, The</td>
<td>106</td>
</tr>
<tr>
<td>College Statistics</td>
<td>274</td>
</tr>
<tr>
<td>Contents</td>
<td>4</td>
</tr>
<tr>
<td>Co-Operative Society</td>
<td>153</td>
</tr>
<tr>
<td>Copyright</td>
<td>2</td>
</tr>
<tr>
<td>Corporation, Members of the</td>
<td>8</td>
</tr>
<tr>
<td>Corps of Cadets, The</td>
<td>154</td>
</tr>
<tr>
<td>Courses, The</td>
<td>276</td>
</tr>
<tr>
<td>Cross-Country Run</td>
<td>188</td>
</tr>
<tr>
<td>Dedication</td>
<td>3</td>
</tr>
<tr>
<td>Delta Sigma</td>
<td>101</td>
</tr>
<tr>
<td>Design, Lowell School of</td>
<td>304</td>
</tr>
<tr>
<td>Distribution of Students</td>
<td>267</td>
</tr>
</tbody>
</table>

312
<table>
<thead>
<tr>
<th>Topic</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Deutsche Verein, Der</td>
<td>110</td>
</tr>
<tr>
<td>Dinner, Freshman</td>
<td>164</td>
</tr>
<tr>
<td>Dinner, Junior</td>
<td>166</td>
</tr>
<tr>
<td>Dinner, Senior</td>
<td>167</td>
</tr>
<tr>
<td>Dinner, Sophomore</td>
<td>165</td>
</tr>
<tr>
<td>Editorial on General Athletics</td>
<td>176</td>
</tr>
<tr>
<td>Electoral Committee, Technique</td>
<td>168</td>
</tr>
<tr>
<td>Electrical Engineering Society</td>
<td>127</td>
</tr>
<tr>
<td>English High School Club</td>
<td>117</td>
</tr>
<tr>
<td>English Plays</td>
<td>161</td>
</tr>
<tr>
<td>Faculty, The</td>
<td>32</td>
</tr>
<tr>
<td>Finis</td>
<td>316</td>
</tr>
<tr>
<td>Fogerty's Page</td>
<td>246</td>
</tr>
<tr>
<td>Football Association</td>
<td>197</td>
</tr>
<tr>
<td>Fraternities</td>
<td></td>
</tr>
<tr>
<td>Fraternity of Phi</td>
<td>77</td>
</tr>
<tr>
<td>Fraternity of Delta Kappa Epsilon</td>
<td>85</td>
</tr>
<tr>
<td>Fraternity of Delta Psi</td>
<td>87</td>
</tr>
<tr>
<td>Fraternity of Delta Tau Delta</td>
<td>83</td>
</tr>
<tr>
<td>Fraternity of Delta Upsilon</td>
<td>95</td>
</tr>
<tr>
<td>Fraternity of Phi Beta Epsilon</td>
<td>91</td>
</tr>
<tr>
<td>Fraternity of Sigma Alpha Epsilon</td>
<td>89</td>
</tr>
<tr>
<td>Fraternity of Sigma Chi</td>
<td>93</td>
</tr>
<tr>
<td>Fraternity of Theta Xi</td>
<td>79</td>
</tr>
<tr>
<td>Fraternities Represented, Other</td>
<td>97</td>
</tr>
<tr>
<td>Fraternity Summary</td>
<td>98</td>
</tr>
<tr>
<td>French Plays</td>
<td>162</td>
</tr>
<tr>
<td>Freshman Class History</td>
<td>87</td>
</tr>
<tr>
<td>Games of M. I. T. A. C., Handicap</td>
<td>187</td>
</tr>
<tr>
<td>Games of M. I. T. A. C., Scratch</td>
<td>192</td>
</tr>
<tr>
<td>Geological Society</td>
<td>129</td>
</tr>
<tr>
<td>Glee Club</td>
<td>135</td>
</tr>
<tr>
<td>Graduates by Courses, Summary of</td>
<td>268</td>
</tr>
<tr>
<td>Graduate Students</td>
<td>306</td>
</tr>
<tr>
<td>Graduating Exercises</td>
<td>157</td>
</tr>
<tr>
<td>Greeting</td>
<td>5</td>
</tr>
<tr>
<td>Grinds</td>
<td>223</td>
</tr>
<tr>
<td>Groups:</td>
<td></td>
</tr>
<tr>
<td>Banjo Club</td>
<td>138</td>
</tr>
<tr>
<td>Glee Club</td>
<td>134</td>
</tr>
<tr>
<td>Institute Committee</td>
<td>148</td>
</tr>
<tr>
<td>Junior Class</td>
<td>65</td>
</tr>
<tr>
<td>Mandolin Club</td>
<td>136</td>
</tr>
<tr>
<td>Nineteen Hundred Football Team</td>
<td>202</td>
</tr>
<tr>
<td>Ninety-eight Football Team</td>
<td>204</td>
</tr>
<tr>
<td>Ninety-eight Track Team</td>
<td>184</td>
</tr>
<tr>
<td>Ninety-nine Baseball Team</td>
<td>206</td>
</tr>
<tr>
<td>Ninety-nine Football Team</td>
<td>200</td>
</tr>
<tr>
<td>Technique</td>
<td></td>
</tr>
<tr>
<td>inserted at</td>
<td>172</td>
</tr>
<tr>
<td>Technology Football Team</td>
<td>198</td>
</tr>
<tr>
<td>Technology Relay Team</td>
<td>180</td>
</tr>
<tr>
<td>Technology Track Team</td>
<td>178</td>
</tr>
<tr>
<td>&quot;The Tech&quot; Board</td>
<td>170</td>
</tr>
<tr>
<td>Gun Club, The</td>
<td>118</td>
</tr>
<tr>
<td>Gymnastics, Instruction in</td>
<td>30</td>
</tr>
<tr>
<td>Hall, Life of William Montague</td>
<td>213</td>
</tr>
<tr>
<td>Hammer and Tongs</td>
<td>160</td>
</tr>
<tr>
<td>Handicap Games, M. I. T. A. C.</td>
<td>187</td>
</tr>
<tr>
<td>Hare and Hound Club</td>
<td>210</td>
</tr>
<tr>
<td>Hours of Preparation</td>
<td>272</td>
</tr>
<tr>
<td>Index</td>
<td>312</td>
</tr>
<tr>
<td>Individual Excellence Cup</td>
<td>191</td>
</tr>
<tr>
<td>In Memoriam</td>
<td>303</td>
</tr>
<tr>
<td>Institute Committee</td>
<td>149</td>
</tr>
<tr>
<td>Instructing Staff 1896-97</td>
<td>266</td>
</tr>
<tr>
<td>Instructors</td>
<td>24</td>
</tr>
<tr>
<td>Junior Class History</td>
<td>67</td>
</tr>
<tr>
<td>Junior Class, Picture of</td>
<td>inserted at 65</td>
</tr>
<tr>
<td>Junior Promenade</td>
<td>155</td>
</tr>
<tr>
<td>K's</td>
<td>102</td>
</tr>
<tr>
<td>Key to Picture of Junior Class</td>
<td>65</td>
</tr>
<tr>
<td>L'Avenir</td>
<td>169</td>
</tr>
<tr>
<td>Local Societies</td>
<td>99</td>
</tr>
<tr>
<td>Lolwel School of Design</td>
<td>304</td>
</tr>
<tr>
<td>Mandarin Club</td>
<td>103</td>
</tr>
<tr>
<td>Mandolin Club</td>
<td>137</td>
</tr>
<tr>
<td>Mechanic Arts, Instructors and Assistants in</td>
<td>30</td>
</tr>
<tr>
<td>Meeting, Indoor Winter</td>
<td>189</td>
</tr>
<tr>
<td>Meeting, Annual Spring</td>
<td>186</td>
</tr>
<tr>
<td>Members of the Corporation</td>
<td>8</td>
</tr>
<tr>
<td>Miners' Union</td>
<td>131</td>
</tr>
<tr>
<td>Miscellaneous</td>
<td>141</td>
</tr>
<tr>
<td>Musical Organizations</td>
<td>133</td>
</tr>
<tr>
<td>Banjo Club</td>
<td>139</td>
</tr>
<tr>
<td>Glee Club</td>
<td>135</td>
</tr>
<tr>
<td>Mandolin Club</td>
<td>137</td>
</tr>
<tr>
<td>Technology Glee, Banjo, and Mandolin Clubs</td>
<td>140</td>
</tr>
<tr>
<td>Naval Architectural Society</td>
<td>130</td>
</tr>
<tr>
<td>New England Intercollegiate Athletic Association</td>
<td>187</td>
</tr>
<tr>
<td>N. E. I. A. A. Annual Meeting</td>
<td>182</td>
</tr>
<tr>
<td>N. E. I. A. A. Records</td>
<td>195</td>
</tr>
<tr>
<td>Nineteen Hundred Football Team</td>
<td>203</td>
</tr>
<tr>
<td>Ninety-Eight Baseball Team</td>
<td>205</td>
</tr>
<tr>
<td>Ninety-Eight Track Team</td>
<td>185</td>
</tr>
<tr>
<td>Ninety-Nine Baseball Team</td>
<td>207</td>
</tr>
<tr>
<td>Ninety-Nine Football Team</td>
<td>201</td>
</tr>
<tr>
<td>Officers, Administrative</td>
<td>9</td>
</tr>
<tr>
<td>Officers of Instruction</td>
<td>10</td>
</tr>
<tr>
<td>Other Fraternities Represented</td>
<td>97</td>
</tr>
<tr>
<td>Parade of Republican Club</td>
<td>inserted at 1</td>
</tr>
<tr>
<td>Photogravure of Francis A. Walker</td>
<td>159</td>
</tr>
<tr>
<td>Picture of Junior Class</td>
<td>65</td>
</tr>
<tr>
<td>Portfolio, Senior</td>
<td>174</td>
</tr>
<tr>
<td>Professional Societies</td>
<td>121</td>
</tr>
<tr>
<td>Professors</td>
<td>11</td>
</tr>
<tr>
<td>Publications, Technology</td>
<td>169</td>
</tr>
<tr>
<td>Quarterly, Technology</td>
<td>173</td>
</tr>
<tr>
<td>Quotations</td>
<td>260</td>
</tr>
<tr>
<td>Records</td>
<td>193</td>
</tr>
<tr>
<td>Register of Students</td>
<td>279</td>
</tr>
<tr>
<td>Republican Club</td>
<td>138</td>
</tr>
<tr>
<td>Topic</td>
<td>Page</td>
</tr>
<tr>
<td>----------------------------------------------------------------------</td>
<td>------</td>
</tr>
<tr>
<td>Salaries of Alumni</td>
<td>269</td>
</tr>
<tr>
<td>Senior Class History</td>
<td>71</td>
</tr>
<tr>
<td>Senior Portfolio</td>
<td>174</td>
</tr>
<tr>
<td>Sherwood Club</td>
<td>104</td>
</tr>
<tr>
<td>Society of Arts</td>
<td>147</td>
</tr>
<tr>
<td>Sophomore Class History</td>
<td>61</td>
</tr>
<tr>
<td>Southern Club</td>
<td>113</td>
</tr>
<tr>
<td>Statistics</td>
<td>266</td>
</tr>
<tr>
<td>Students, Register of</td>
<td>279</td>
</tr>
<tr>
<td>Summary, Fraternity</td>
<td>98</td>
</tr>
<tr>
<td>Summary of Points for Class Championship</td>
<td>190</td>
</tr>
<tr>
<td>Summary of Points for Individual Excellence Cup</td>
<td>191</td>
</tr>
<tr>
<td>Summary of Points N. E. I. A. A. Meeting</td>
<td>183</td>
</tr>
<tr>
<td>Summer School, Architectural</td>
<td>31</td>
</tr>
<tr>
<td>Teachers and Lectures for 1896-97</td>
<td>216</td>
</tr>
<tr>
<td>Technique Board of Editors</td>
<td>172</td>
</tr>
<tr>
<td>Technique Electoral Committee</td>
<td>168</td>
</tr>
<tr>
<td>Technique Tonsorial Parlors</td>
<td>232</td>
</tr>
<tr>
<td>Technology Alumni Associations</td>
<td>143</td>
</tr>
<tr>
<td>Technology Athletic Club</td>
<td>177</td>
</tr>
<tr>
<td>Technology Club</td>
<td>219</td>
</tr>
<tr>
<td>Technology Football Team</td>
<td>199</td>
</tr>
<tr>
<td>Technology Glee, Banjo, and Mandolin Clubs</td>
<td>140</td>
</tr>
<tr>
<td>Technology Publications</td>
<td>169</td>
</tr>
<tr>
<td>Technology Records</td>
<td>193</td>
</tr>
<tr>
<td>Technology Relay Team</td>
<td>181</td>
</tr>
<tr>
<td>Technology Track Team</td>
<td>179</td>
</tr>
<tr>
<td>Technology Wheelmen</td>
<td>120</td>
</tr>
<tr>
<td>Tennis Association</td>
<td>208</td>
</tr>
<tr>
<td>Testimonials</td>
<td>239</td>
</tr>
<tr>
<td>The Tech Board of Editors</td>
<td>171</td>
</tr>
<tr>
<td>Title Page</td>
<td>inserted at 1</td>
</tr>
<tr>
<td>Track Team, Ninety-eight</td>
<td>185</td>
</tr>
<tr>
<td>Track Team, Technology</td>
<td>179</td>
</tr>
<tr>
<td>Verse</td>
<td>251</td>
</tr>
<tr>
<td>Walker Club</td>
<td>112</td>
</tr>
<tr>
<td>Walker, Life of Francis A.</td>
<td>33</td>
</tr>
<tr>
<td>Walker, Photogravure of Francis A.</td>
<td>inserted at 1</td>
</tr>
<tr>
<td>Washington Club</td>
<td>116</td>
</tr>
<tr>
<td>Women at Technology</td>
<td>308</td>
</tr>
<tr>
<td>Wrench, The</td>
<td>228</td>
</tr>
<tr>
<td>Yacht Club, Technology</td>
<td>108</td>
</tr>
<tr>
<td>Young Men's Christian Association</td>
<td>151</td>
</tr>
</tbody>
</table>

315
### Classified List of Advertisers

<table>
<thead>
<tr>
<th>Category</th>
<th>Page</th>
<th>Category</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aluminum</td>
<td>62</td>
<td>Books</td>
<td>18</td>
</tr>
<tr>
<td>Pittsburg Reduction Co.</td>
<td></td>
<td>Ira Abbott</td>
<td>18</td>
</tr>
<tr>
<td>Artists’ Materials</td>
<td>23</td>
<td>Damrell &amp; Upham</td>
<td>18</td>
</tr>
<tr>
<td>Frost &amp; Adams Co.</td>
<td>22</td>
<td>G. &amp; C. Merriam Co.</td>
<td>18</td>
</tr>
<tr>
<td>Wadsworth, Howland &amp; Co.</td>
<td>89</td>
<td>Balanced Steam Traps</td>
<td>73</td>
</tr>
<tr>
<td>A. D. Maclachlan</td>
<td></td>
<td>Bridge Builders</td>
<td>29</td>
</tr>
<tr>
<td>Barber</td>
<td>21</td>
<td>R. F. Hawkins</td>
<td></td>
</tr>
<tr>
<td>Jasper Ross</td>
<td></td>
<td>Brokers</td>
<td>43</td>
</tr>
<tr>
<td>Batteries</td>
<td>84</td>
<td>Allen Arnold</td>
<td>29</td>
</tr>
<tr>
<td>Leclanché Battery Co.</td>
<td></td>
<td>F. W. Perry</td>
<td>92</td>
</tr>
<tr>
<td>Belting</td>
<td>52</td>
<td>U. S. Cheque Bank, Ltd.</td>
<td>63</td>
</tr>
<tr>
<td>Jewell Belting Co.</td>
<td>85</td>
<td>Bronze</td>
<td></td>
</tr>
<tr>
<td>Ulmer Belting Co.</td>
<td></td>
<td>Paul S. Reeves &amp; Son</td>
<td></td>
</tr>
<tr>
<td>Bicycles</td>
<td>88</td>
<td>Cameras</td>
<td>34</td>
</tr>
<tr>
<td>Bigelow &amp; Dowse Co.</td>
<td>87</td>
<td>E. &amp; H. T. Anthony &amp; Co.</td>
<td></td>
</tr>
<tr>
<td>Richmond Bicycle Co.</td>
<td>89</td>
<td>A. J. Lloyd &amp; Co.</td>
<td>34</td>
</tr>
<tr>
<td>Syracuse Cycle Co.</td>
<td>90</td>
<td>Carbon Bisulphide</td>
<td>78</td>
</tr>
<tr>
<td>Charles H. Sieg &amp; Co.</td>
<td>92</td>
<td>Ed. R. Taylor</td>
<td></td>
</tr>
<tr>
<td>Worcester Cycle Co.</td>
<td></td>
<td>Chemicals</td>
<td>79</td>
</tr>
<tr>
<td>Boilers</td>
<td>64</td>
<td>Baker &amp; Adamson</td>
<td></td>
</tr>
<tr>
<td>Abendroth &amp; Root Manfg. Co.</td>
<td>64</td>
<td>Chase &amp; Bissell</td>
<td></td>
</tr>
<tr>
<td>&quot;Cahall&quot; Sales Dept.</td>
<td>42</td>
<td>Cochrane Chemical Co.</td>
<td></td>
</tr>
<tr>
<td>Edward Kendall &amp; Sons</td>
<td>41</td>
<td>Chas. Cooper &amp; Co.</td>
<td></td>
</tr>
<tr>
<td>Roberts Iron Works Co.</td>
<td>41</td>
<td>Lister Agricultural Chemical Co.</td>
<td></td>
</tr>
<tr>
<td>Scannell &amp; Wholey</td>
<td>41</td>
<td>Merck &amp; Co.</td>
<td></td>
</tr>
<tr>
<td>Bookbinders</td>
<td>18</td>
<td>Ed. R. Taylor</td>
<td>78</td>
</tr>
<tr>
<td>Alexander Moore</td>
<td></td>
<td>Chemical Apparatus</td>
<td>73</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Eimer &amp; Amend</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Franklin Educational Co.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>E. S. Ritchie &amp; Son</td>
<td>86</td>
</tr>
<tr>
<td>CHUCKS:</td>
<td>PAGE.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>---------</td>
<td>-------</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Skinner Chuck Co.</td>
<td>37</td>
<td></td>
<td></td>
</tr>
<tr>
<td>American Tool and Machine Co.</td>
<td>43</td>
<td></td>
<td></td>
</tr>
<tr>
<td>James Hunter Machine Co.</td>
<td>40</td>
<td></td>
<td></td>
</tr>
<tr>
<td>D. E. White Machine Co.</td>
<td>37</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>CORDAGE:</th>
<th>PAGE.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Samson Cordage Co.</td>
<td>38</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>CLOTHING:</th>
<th>PAGE.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Brooks Bros.</td>
<td>9</td>
</tr>
<tr>
<td>Geo. H. Lane</td>
<td>12</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>CORE OVENS:</th>
<th>PAGE.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Millet Core Oven Co.</td>
<td>35</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>COTTON MACHINERY:</th>
<th>PAGE.</th>
</tr>
</thead>
<tbody>
<tr>
<td>American Drosophore Co.</td>
<td>97</td>
</tr>
<tr>
<td>Draper Co.</td>
<td>51</td>
</tr>
<tr>
<td>Lowell Machine Shops</td>
<td>51</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>DRAWING INSTRUMENTS:</th>
<th>PAGE.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Theo. Altender &amp; Sons</td>
<td>23</td>
</tr>
<tr>
<td>Frost &amp; Adams Co.</td>
<td>23</td>
</tr>
<tr>
<td>A. D. Macalcthan</td>
<td>89</td>
</tr>
<tr>
<td>Wadsworth, Howland &amp; Co. (Inc.)</td>
<td>22</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>DRILLS:</th>
<th>PAGE.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rand Drill Co.</td>
<td>58</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>DYES:</th>
<th>PAGE.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Farbenfabriken of Elberfeld Co.</td>
<td>76</td>
</tr>
<tr>
<td>O. S. Janney &amp; Co.</td>
<td>77</td>
</tr>
<tr>
<td>A. Klipstein &amp; Co.</td>
<td>77</td>
</tr>
<tr>
<td>Wm. Pichardt &amp; Kuttroff</td>
<td>77</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>EDUCATIONAL INSTITUTIONS:</th>
<th>PAGE.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boston Commercial College</td>
<td>14</td>
</tr>
<tr>
<td>Chauncey Hall School</td>
<td>13</td>
</tr>
<tr>
<td>Mass. Institute of Technology</td>
<td>17</td>
</tr>
<tr>
<td>Trinity Court School</td>
<td>13</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>ELECTRICAL SUPPLIES:</th>
<th>PAGE.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Geo. C. Ewing</td>
<td>83</td>
</tr>
<tr>
<td>Warren P. Freeman Co.</td>
<td>71</td>
</tr>
<tr>
<td>Interior Conduit &amp; Insulation Co.</td>
<td>83</td>
</tr>
<tr>
<td>Okonite</td>
<td>84</td>
</tr>
<tr>
<td>Thompson &amp; Bushnell</td>
<td>72</td>
</tr>
<tr>
<td>W. W. Tupper &amp; Co.</td>
<td>35</td>
</tr>
<tr>
<td>Standard Underground Cable Co.</td>
<td>84</td>
</tr>
<tr>
<td>Weston Electrical Instrument Co.</td>
<td>84</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>ENGRAVERS:</th>
<th>PAGE.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boston Engraving Co.</td>
<td>95</td>
</tr>
<tr>
<td>L. Dreka</td>
<td>15</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>ENGINES:</th>
<th>PAGE.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ball &amp; Wood Co.</td>
<td>67</td>
</tr>
<tr>
<td>Buckeye Engine Co.</td>
<td>68</td>
</tr>
<tr>
<td>J. H. Houghton</td>
<td>67</td>
</tr>
<tr>
<td>Lidgerwood Manfg. Co.</td>
<td>68</td>
</tr>
<tr>
<td>Rollins Engine Co.</td>
<td>66</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>FILES:</th>
<th>PAGE.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nickolson File Co.</td>
<td>39</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>FIRE ARMS:</th>
<th>PAGE.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Marlin Arms Co.</td>
<td>86</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>FURNISHINGS:</th>
<th>PAGE.</th>
</tr>
</thead>
<tbody>
<tr>
<td>L. E. Fletcher &amp; Co.</td>
<td>12</td>
</tr>
<tr>
<td>Reversible Collar Co.</td>
<td>68</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>GRAPHITE:</th>
<th>PAGE.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Detroit Graphite Manfg. Co.</td>
<td>37</td>
</tr>
<tr>
<td>Joseph Dixon Crucible Co.</td>
<td>37</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>HATS:</th>
<th>PAGE.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Collins &amp; Fairbanks</td>
<td>11</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>HEATING AND VENTILATING APPARATUS:</th>
<th>PAGE.</th>
</tr>
</thead>
<tbody>
<tr>
<td>American Radiator Co.</td>
<td>82</td>
</tr>
<tr>
<td>A. B. Franklin</td>
<td>81</td>
</tr>
<tr>
<td>B. F. Perkins &amp; Son</td>
<td>41</td>
</tr>
<tr>
<td>B. F. Sturtevant Co.</td>
<td>56</td>
</tr>
<tr>
<td>Curtis Grease Separators</td>
<td>76</td>
</tr>
<tr>
<td>Millet Core Oven Co.</td>
<td>35</td>
</tr>
<tr>
<td>Richmond Stove Co.</td>
<td>35</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>HOTELS:</th>
<th>PAGE.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Brunswick</td>
<td>26</td>
</tr>
<tr>
<td>The Plaza</td>
<td>27</td>
</tr>
<tr>
<td>The St. Denis</td>
<td>28</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>INSPIRATORS AND JET APPARATUS:</th>
<th>PAGE.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hancock Inspirator Co.</td>
<td>11</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>INSURANCE:</th>
<th>PAGE.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hartford Steam Boiler Insurance and Inspection Co.</td>
<td>29</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>JEWELERS:</th>
<th>PAGE.</th>
</tr>
</thead>
<tbody>
<tr>
<td>A. S. Adams</td>
<td>16</td>
</tr>
<tr>
<td>Shreve, Crump &amp; Low</td>
<td>16</td>
</tr>
<tr>
<td>Henry Guild &amp; Son</td>
<td>16</td>
</tr>
</tbody>
</table>
### Iron and Steel:

- Benj. Atha & Illingsworth Co. ........................................ 61
- Crescent Steel Co. .................................................... 62
- Stanley G. Flagg & Co. ................................................ 61

### Lamps:

- Rochester Lamp Co. .................................................... 15

### Lathes:

- Jones & Lamson Co. .................................................... 44
- Niles Tool Works Co. .................................................. 44
- H. N. Bates Machine Co. .............................................. 49
- Gould & Eberhardt ..................................................... 65
- Pratt & Whitney Co. .................................................. 48
- Prentice Bros. .......................................................... 43
- Waterbury Farrel Foundry & Machine Co. ......................... 43

### Lubricating Oil:

- Chas. H. Besly & Co. .................................................. 91
- Leonard & Ellis ......................................................... 52

### Lubricators:

- Detroit Lubricator Co. ................................................ 73

### Machine Shop Equipment:

- American Tool & Machine Co. ........................................ 43
- H. N. Bates Machine Co. ............................................... 49
- Gould & Eberhardt ...................................................... 65
- R. F. Hawkins ........................................................... 43
- J. H. Houghton ........................................................... 67
- James Hunter Machine Co. .......................................... 40
- Jeffery Manfg. Co. ...................................................... 38
- Niles Tool Works Co. .................................................. 44
- Pratt & Whitney Co. ................................................... 48
- Prentice Bros. ........................................................... 43
- Rhode Island Tool Co. .................................................. 49
- Scannell & Wholey ...................................................... 41
- D. E. Whiton Machine Co. ............................................ 37
- Tippett & Wood .......................................................... 42
- Waterbury Farrel Foundry and Machine Co. ....................... 43
- Weimer Machine Co. ................................................... 60
- R. D. Wood & Co. ........................................................ 50

### Mackintoshes:

- Cleve & Krim ............................................................. 12

### Metals:

- Chas. H. Besly & Co. .................................................. 91
- Pittsburg Reduction Co. .............................................. 62
- Rome Brass and Copper Co. ........................................... 63
- Paul S. Reeves & Sons .................................................. 63

### Mining Machinery:

- Fraser & Chalmers ....................................................... 60
- Rand Drill Co. ............................................................ 58
- Weimer Machine Co. ..................................................... 60

### Oil Stones:

- Pike Manfg. Co. ........................................................... 36

### Opticians:

- A. J. Lloyd & Co. ....................................................... 34

### Ornamental Iron:

- Winslow Bros. Co. .......................................................... 81

### Pails:

- Richmond Cedar Co. .................................................... 36

### Patents:

- Howson & Howson ............................................................ 36

### Patent Medicines:

- Pond's Extract Co. ...................................................... 96
- Piso Co. ........................................................................... 13

### Pencils:

- Joseph Dixon Crucible Co. ........................................... 37

### Photographers:

- Chas. W. Hearn ............................................................ 19
- Notman Photographic Co. .............................................. 20
- Patridge ........................................................................... 20

### Pipe:

- Chas. Millar & Son .......................................................... 63
- Warren Foundry and Machine Co. ................................... 48

### Platinum:

- Baker & Co. ................................................................. 75
- J. Bishop & Co. ............................................................. 75
- Eimer & Amend .............................................................. 73
- Franklin Educational Co. ............................................... 75

### Pressure Regulators:

- Curtis Pressure Regulators ........................................... 73

### Printers:

- Frank Wood .................................................................... 94

### Pumping Machinery:

- Battle Creek Steam Pump Co. .......................................... 35
- Deane Steam Pump Co. .................................................... 54
- Guild & Garrison ............................................................ 42
- Pulsometer Steam Pump Co. ............................................ 56
<table>
<thead>
<tr>
<th>RADIATORS:</th>
<th>Page.</th>
</tr>
</thead>
<tbody>
<tr>
<td>American Radiator Co.</td>
<td>82</td>
</tr>
<tr>
<td>RAILROAD EQUIPMENT:</td>
<td></td>
</tr>
<tr>
<td>Ramapo Iron Works Co.</td>
<td>40</td>
</tr>
<tr>
<td>RESTAURANTS:</td>
<td></td>
</tr>
<tr>
<td>A. Alger</td>
<td>26</td>
</tr>
<tr>
<td>Oak Grove Creamery Co.</td>
<td>26</td>
</tr>
<tr>
<td>RETURN STEAM TRAPS:</td>
<td></td>
</tr>
<tr>
<td>Curtis</td>
<td>73</td>
</tr>
<tr>
<td>ROAD ROLLERS:</td>
<td></td>
</tr>
<tr>
<td>The O. S. Kelly Co.</td>
<td>38</td>
</tr>
<tr>
<td>ROOFING:</td>
<td></td>
</tr>
<tr>
<td>Warren Chemical Mfg. Co.</td>
<td>43</td>
</tr>
<tr>
<td>RUBBER GOODS:</td>
<td></td>
</tr>
<tr>
<td>Cleve &amp; Krin</td>
<td>12</td>
</tr>
<tr>
<td>SANITARY SUPPLIES:</td>
<td></td>
</tr>
<tr>
<td>Flush Tank Co.</td>
<td>83</td>
</tr>
<tr>
<td>SAWs:</td>
<td></td>
</tr>
<tr>
<td>Simonds Mfg. Co.</td>
<td>47</td>
</tr>
<tr>
<td>SNOW GUARDS:</td>
<td></td>
</tr>
<tr>
<td>Folsom Snow Guard Co.</td>
<td>82</td>
</tr>
<tr>
<td>SPRINGS:</td>
<td></td>
</tr>
<tr>
<td>Chas. Scott Spring Co.</td>
<td>36</td>
</tr>
<tr>
<td>STAINS:</td>
<td></td>
</tr>
<tr>
<td>Samuel Cabot</td>
<td>82</td>
</tr>
<tr>
<td>STATIONERS:</td>
<td></td>
</tr>
<tr>
<td>F. W. Barry, Beale &amp; Co.</td>
<td>15</td>
</tr>
<tr>
<td>Dreka</td>
<td>15</td>
</tr>
<tr>
<td>A. D. Maclachlan</td>
<td>89</td>
</tr>
<tr>
<td>STEAM GAUGES AND VALVES:</td>
<td></td>
</tr>
<tr>
<td>American Balance Slide Valve Co.</td>
<td>72</td>
</tr>
<tr>
<td>American Steam Gage Co.</td>
<td>70</td>
</tr>
<tr>
<td>Crosby Steam Gage and Valve Co.</td>
<td>69</td>
</tr>
<tr>
<td>D’Este &amp; Seeley Co.</td>
<td>73</td>
</tr>
<tr>
<td>Detroit Lubricator Co.</td>
<td>73</td>
</tr>
<tr>
<td>Hancock Inspirator Co.</td>
<td>11</td>
</tr>
<tr>
<td>Locke Regulator Co.</td>
<td>73</td>
</tr>
<tr>
<td>Lunkenheimer &amp; Co.</td>
<td>71</td>
</tr>
<tr>
<td>STEAM PRESSURE AND DAMPER REGULATORS:</td>
<td></td>
</tr>
<tr>
<td>Curtis</td>
<td>73</td>
</tr>
<tr>
<td>SURVEYING INSTRUMENTS:</td>
<td></td>
</tr>
<tr>
<td>Fauth &amp; Co.</td>
<td>74</td>
</tr>
<tr>
<td>A. Lietz Co.</td>
<td>74</td>
</tr>
<tr>
<td>TAILORS:</td>
<td></td>
</tr>
<tr>
<td>Brooks Bros.</td>
<td>9</td>
</tr>
<tr>
<td>Geo. H. Lane</td>
<td>12</td>
</tr>
<tr>
<td>TEMPERATURE REGULATORS:</td>
<td></td>
</tr>
<tr>
<td>Curtis</td>
<td>73</td>
</tr>
<tr>
<td>TOOLS:</td>
<td></td>
</tr>
<tr>
<td>Athol Machine Co.</td>
<td>47</td>
</tr>
<tr>
<td>Chas. H. Besly &amp; Co.</td>
<td>91</td>
</tr>
<tr>
<td>Lewis Tool Co.</td>
<td>38</td>
</tr>
<tr>
<td>L. S. Starrett Co.</td>
<td>47</td>
</tr>
<tr>
<td>Chas. H. Strelinger &amp; Co.</td>
<td>47</td>
</tr>
<tr>
<td>A. J. Wilkinson &amp; Co.</td>
<td>45</td>
</tr>
<tr>
<td>TRANSPORTATION COMPANIES:</td>
<td></td>
</tr>
<tr>
<td>Boston &amp; Albany R. R.</td>
<td>31</td>
</tr>
<tr>
<td>Norfolk &amp; Western R. R.</td>
<td>30</td>
</tr>
<tr>
<td>Old Dominion Steamship Co.</td>
<td>30</td>
</tr>
<tr>
<td>Southern Pacific R. R.</td>
<td>33</td>
</tr>
<tr>
<td>TROLLEYS:</td>
<td></td>
</tr>
<tr>
<td>Coburn Trolley Track Mfg. Co.</td>
<td>81</td>
</tr>
<tr>
<td>TYPEWRITERS AND STENOGRAPHERS:</td>
<td></td>
</tr>
<tr>
<td>Daugherty Typewriter Co.</td>
<td>24</td>
</tr>
<tr>
<td>Densmore Typewriter Co.</td>
<td>25</td>
</tr>
<tr>
<td>Merriam &amp; Meader</td>
<td>18</td>
</tr>
<tr>
<td>W. H. Moriarty</td>
<td>14</td>
</tr>
<tr>
<td>WATER PRESSURE REGULATORS:</td>
<td></td>
</tr>
<tr>
<td>Curtis</td>
<td>73</td>
</tr>
<tr>
<td>WATER WHEELS:</td>
<td></td>
</tr>
<tr>
<td>Humphrey Machine Co.</td>
<td>60</td>
</tr>
<tr>
<td>James Left &amp; Co.</td>
<td>59</td>
</tr>
<tr>
<td>Pelton Water Wheel Co.</td>
<td>59</td>
</tr>
<tr>
<td>Tuerk Hydraulic Power Co.</td>
<td>59</td>
</tr>
<tr>
<td>WELL BORING:</td>
<td></td>
</tr>
<tr>
<td>Williams Bros.</td>
<td>40</td>
</tr>
<tr>
<td>WIRE:</td>
<td></td>
</tr>
<tr>
<td>Chas. H. Besly &amp; Co.</td>
<td>91</td>
</tr>
<tr>
<td>Interior Conduit and Insulation Co.</td>
<td>83</td>
</tr>
<tr>
<td>Okonite</td>
<td>84</td>
</tr>
<tr>
<td>Standard Underground Cable Co.</td>
<td>84</td>
</tr>
<tr>
<td>WOOD-WORKING MACHINERY:</td>
<td></td>
</tr>
<tr>
<td>J. A. Fay &amp; Egan Co.</td>
<td>53</td>
</tr>
<tr>
<td>S. A. Woods Machine Co.</td>
<td>53</td>
</tr>
</tbody>
</table>
### Alphabetical List of Advertisers

<table>
<thead>
<tr>
<th>Advertiser</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Abbott, Ira</td>
<td>18</td>
</tr>
<tr>
<td>Abendroth &amp; Root Manfg. Co.</td>
<td>64</td>
</tr>
<tr>
<td>Adams, A. S.</td>
<td>16</td>
</tr>
<tr>
<td>Algar, A.</td>
<td>26</td>
</tr>
<tr>
<td>Alteneder, Theo., &amp; Sons</td>
<td>23</td>
</tr>
<tr>
<td>American Balance Slide Valve Co.</td>
<td>72</td>
</tr>
<tr>
<td>American Drosophore Co.</td>
<td>97</td>
</tr>
<tr>
<td>American Radiator Co.</td>
<td>82</td>
</tr>
<tr>
<td>American Steam Gauge Co.</td>
<td>70</td>
</tr>
<tr>
<td>American Tool and Machine Co.</td>
<td>43</td>
</tr>
<tr>
<td>Anthony, E. and H. T., &amp; Co.</td>
<td>34</td>
</tr>
<tr>
<td>Arnold, Allen</td>
<td>29</td>
</tr>
<tr>
<td>Atha, Benj., &amp; Illingsworth Co.</td>
<td>61</td>
</tr>
<tr>
<td>Athol Machine Co.</td>
<td>47</td>
</tr>
<tr>
<td>Baker &amp; Adamson Chemical Co.</td>
<td>79</td>
</tr>
<tr>
<td>Baker &amp; Co.</td>
<td>75</td>
</tr>
<tr>
<td>Ball and Wood Co., The</td>
<td>67</td>
</tr>
<tr>
<td>Barnes &amp; Dunklee</td>
<td>26</td>
</tr>
<tr>
<td>Barry, F. W., Beale &amp; Co.</td>
<td>15</td>
</tr>
<tr>
<td>Bates, H. N., Machine Co.</td>
<td>49</td>
</tr>
<tr>
<td>Battle Creek Steam Pump Co.</td>
<td>35</td>
</tr>
<tr>
<td>Besly, Chas. H. &amp; Co.</td>
<td>91</td>
</tr>
<tr>
<td>Bigelow &amp; Dowse Co.</td>
<td>88</td>
</tr>
<tr>
<td>Bishop, J., &amp; Co.</td>
<td>75</td>
</tr>
<tr>
<td>Boston &amp; Albany R. R.</td>
<td>31</td>
</tr>
<tr>
<td>Boston Commercial College</td>
<td>14</td>
</tr>
<tr>
<td>Boston Engraving Co.</td>
<td>95</td>
</tr>
<tr>
<td>Brooks Bros.</td>
<td>9</td>
</tr>
<tr>
<td>Brunswick Hotel</td>
<td>26</td>
</tr>
<tr>
<td>Buckeye Engine Co.</td>
<td>68</td>
</tr>
<tr>
<td>Cabot, Samuel</td>
<td>82</td>
</tr>
<tr>
<td>&quot;Cahall&quot; Sales Dept.</td>
<td>64</td>
</tr>
<tr>
<td>Chauncey Hall School</td>
<td></td>
</tr>
<tr>
<td>Chase &amp; Bissell</td>
<td>79</td>
</tr>
<tr>
<td>Cleve &amp; Krim</td>
<td>12</td>
</tr>
<tr>
<td>Coburn Trolley Track Manfg. Co.</td>
<td>81</td>
</tr>
<tr>
<td>Cochrane Chemical Co.</td>
<td>79</td>
</tr>
<tr>
<td>Collins &amp; Fairbanks</td>
<td>11</td>
</tr>
<tr>
<td>Cooper, Chas. &amp; Co.</td>
<td>78</td>
</tr>
<tr>
<td>Crescent Steel Co.</td>
<td>62</td>
</tr>
<tr>
<td>Crosby Steam Gage and Valve Co.</td>
<td>69</td>
</tr>
<tr>
<td>Damrell &amp; Upham</td>
<td>18</td>
</tr>
<tr>
<td>Daugherty Typewriter Co.</td>
<td>24</td>
</tr>
<tr>
<td>Deane Steam Pump Co.</td>
<td>54</td>
</tr>
<tr>
<td>Densmore Typewriter Co.</td>
<td>25</td>
</tr>
<tr>
<td>D'Este &amp; Seeley Co.</td>
<td>73</td>
</tr>
<tr>
<td>Detroit Graphite Manfg. Co.</td>
<td>37</td>
</tr>
<tr>
<td>Detroit Lubricator Co.</td>
<td>73</td>
</tr>
<tr>
<td>Dixon, Jos., Crucible Co.</td>
<td>37</td>
</tr>
<tr>
<td>Draper Co.</td>
<td>51</td>
</tr>
<tr>
<td>Dreka, L.</td>
<td>15</td>
</tr>
<tr>
<td>Eimer &amp; Amend</td>
<td>73</td>
</tr>
<tr>
<td>Ewing, Geo. C.</td>
<td>83</td>
</tr>
<tr>
<td>Farbenfabriken of Elberfeld Co.</td>
<td>76</td>
</tr>
<tr>
<td>Fauth &amp; Co.</td>
<td>74</td>
</tr>
<tr>
<td>Fay, J. A., &amp; Egan Co.</td>
<td>53</td>
</tr>
<tr>
<td>Felt &amp; Tarrant Mfg. Co.</td>
<td>96</td>
</tr>
<tr>
<td>Flagg, Stanley G., &amp; Co.</td>
<td>61</td>
</tr>
<tr>
<td>Fletcher, L. E. Co.</td>
<td>12</td>
</tr>
<tr>
<td>Flush Tank Co.</td>
<td>83</td>
</tr>
<tr>
<td>Folsom Snow Guard Co.</td>
<td>82</td>
</tr>
<tr>
<td>Forbes Lithograph Mfg. Co.</td>
<td>85</td>
</tr>
<tr>
<td>Franklin, A. B.</td>
<td>81</td>
</tr>
<tr>
<td>Franklin Educational Co.</td>
<td>75</td>
</tr>
<tr>
<td>Company/individual</td>
<td>Page</td>
</tr>
<tr>
<td>--------------------------------------------</td>
<td>------</td>
</tr>
<tr>
<td>Fraser &amp; Chalmers</td>
<td>60</td>
</tr>
<tr>
<td>Freeman, Warren P., &amp; Co.</td>
<td>71</td>
</tr>
<tr>
<td>Frost &amp; Adams Co.</td>
<td>23</td>
</tr>
<tr>
<td>Gould &amp; Eberhardt</td>
<td>65</td>
</tr>
<tr>
<td>Guild &amp; Garrison</td>
<td>42</td>
</tr>
<tr>
<td>Guild, Henry, &amp; Son</td>
<td>16</td>
</tr>
<tr>
<td>Hancock Inspirator Co.</td>
<td>11</td>
</tr>
<tr>
<td>Hartford Steam Boiler Inspection and Insurance Co.</td>
<td>29</td>
</tr>
<tr>
<td>Hawkins, R. F.</td>
<td>43</td>
</tr>
<tr>
<td>Hearn, Chas. W.</td>
<td>19</td>
</tr>
<tr>
<td>Hotel Plaza</td>
<td>27</td>
</tr>
<tr>
<td>Houghton, J. H.</td>
<td>67</td>
</tr>
<tr>
<td>Howson &amp; Howson</td>
<td>36</td>
</tr>
<tr>
<td>Humphrey Machine Co.</td>
<td>60</td>
</tr>
<tr>
<td>Hunter, James, Machine Co.</td>
<td>40</td>
</tr>
<tr>
<td>Interior Conduit &amp; Insulation Co.</td>
<td>83</td>
</tr>
<tr>
<td>Janney, O. S., &amp; Co.</td>
<td>77</td>
</tr>
<tr>
<td>Jeffery Manfg. Co.</td>
<td>38</td>
</tr>
<tr>
<td>Jessop, Wm., &amp; Sons, Ltd.</td>
<td>62</td>
</tr>
<tr>
<td>Jewell Belting Co.</td>
<td>52</td>
</tr>
<tr>
<td>Jones, B. M., &amp; Co.</td>
<td>61</td>
</tr>
<tr>
<td>Jones &amp; Lamson Manfg. Co.</td>
<td>44</td>
</tr>
<tr>
<td>Kelly, The O. S., Co.</td>
<td>38</td>
</tr>
<tr>
<td>Kendall, Ed., &amp; Sons</td>
<td>42</td>
</tr>
<tr>
<td>Klipstein, A., &amp; Co.</td>
<td>77</td>
</tr>
<tr>
<td>Lane, G. H.</td>
<td>12</td>
</tr>
<tr>
<td>Leclanche Battery Co.</td>
<td>84</td>
</tr>
<tr>
<td>Leffel, James, &amp; Co.</td>
<td>59</td>
</tr>
<tr>
<td>Leonard &amp; Ellis</td>
<td>52</td>
</tr>
<tr>
<td>Lewis Tool Co.</td>
<td>38</td>
</tr>
<tr>
<td>Ledgerwood Manfg. Co.</td>
<td>68</td>
</tr>
<tr>
<td>Lietz, A., Co.</td>
<td>74</td>
</tr>
<tr>
<td>Lister Agricultural Chemical Manfg. Co.</td>
<td>78</td>
</tr>
<tr>
<td>Lloyd, A. J.</td>
<td>34</td>
</tr>
<tr>
<td>Locke Regulator Co.</td>
<td>73</td>
</tr>
<tr>
<td>Lowell Machine Shop</td>
<td>51</td>
</tr>
<tr>
<td>Lunkenheimer &amp; Co.</td>
<td>71</td>
</tr>
<tr>
<td>Maclachlan, A. D.</td>
<td>89</td>
</tr>
<tr>
<td>Marlin Arms Co.</td>
<td>86</td>
</tr>
<tr>
<td>Massachusetts Institute of Technology</td>
<td></td>
</tr>
<tr>
<td>Merriam, G. &amp; C. Co.</td>
<td>21</td>
</tr>
<tr>
<td>Merriam &amp; Meader</td>
<td>18</td>
</tr>
<tr>
<td>Merck &amp; Co.</td>
<td>79</td>
</tr>
<tr>
<td>Millar, Chas.., &amp; Son</td>
<td>63</td>
</tr>
<tr>
<td>Millet Core Oven Co.</td>
<td>35</td>
</tr>
<tr>
<td>Moore, Alexander</td>
<td>18</td>
</tr>
<tr>
<td>Moriarty, Wm. H.</td>
<td>14</td>
</tr>
<tr>
<td>Nickolson File Co.</td>
<td>39</td>
</tr>
<tr>
<td>Niles Tool Works Co.</td>
<td>44</td>
</tr>
<tr>
<td>Norfolk &amp; Western R. R. Co.</td>
<td>30</td>
</tr>
<tr>
<td>Notman Photograph Co.</td>
<td>20</td>
</tr>
<tr>
<td>Oak Grove Creamery Co.</td>
<td>26</td>
</tr>
<tr>
<td>Okonite Manfg. Co.</td>
<td>84</td>
</tr>
<tr>
<td>Old Dominion Steamship Co.</td>
<td>30</td>
</tr>
<tr>
<td>Partridge, W. H.</td>
<td>20</td>
</tr>
<tr>
<td>Partridge &amp; Macullar</td>
<td>85</td>
</tr>
<tr>
<td>Pelton Water Wheel Co.</td>
<td>59</td>
</tr>
<tr>
<td>Perkins, B. F., &amp; Son</td>
<td>41</td>
</tr>
<tr>
<td>Perry, F. W.</td>
<td>29</td>
</tr>
<tr>
<td>Pichardt, Wm., &amp; Kuttroff</td>
<td>77</td>
</tr>
<tr>
<td>Piso Co.</td>
<td>13</td>
</tr>
<tr>
<td>Pike Manfg. Co.</td>
<td>36</td>
</tr>
<tr>
<td>Pittsburg Reduction Co.</td>
<td>62</td>
</tr>
<tr>
<td>Pond’s Extract Co.</td>
<td>96</td>
</tr>
<tr>
<td>Pratt &amp; Whitney Co.</td>
<td>48</td>
</tr>
<tr>
<td>Prentice Bros.</td>
<td>43</td>
</tr>
<tr>
<td>Pulsometer Steam Pump Co.</td>
<td>56</td>
</tr>
<tr>
<td>Ramapo Iron Works Co.</td>
<td>40</td>
</tr>
<tr>
<td>Rand Drill Co.</td>
<td>58</td>
</tr>
<tr>
<td>Reeves, Paul S., &amp; Son</td>
<td>63</td>
</tr>
<tr>
<td>Rhode Island Tool Co.</td>
<td>49</td>
</tr>
<tr>
<td>Reversible Collar Co.</td>
<td>68</td>
</tr>
<tr>
<td>Rhode Island Tool Co.</td>
<td>49</td>
</tr>
<tr>
<td>Richmond Bicycle Co.</td>
<td>87</td>
</tr>
<tr>
<td>Richmond Cedar Works</td>
<td>36</td>
</tr>
<tr>
<td>Richmond Stove Co.</td>
<td>35</td>
</tr>
<tr>
<td>Ritchie, E. S., &amp; Son</td>
<td>86</td>
</tr>
<tr>
<td>Roberts Iron Works Co.</td>
<td>41</td>
</tr>
<tr>
<td>Rochester Lamp Co.</td>
<td>15</td>
</tr>
<tr>
<td>Company</td>
<td>Page</td>
</tr>
<tr>
<td>----------------------------------------------</td>
<td>------</td>
</tr>
<tr>
<td>Roessler &amp; Hasslacher Chemical Co.</td>
<td>76</td>
</tr>
<tr>
<td>Rollins Engine Co.</td>
<td>66</td>
</tr>
<tr>
<td>Rome Brass &amp; Copper Co.</td>
<td>63</td>
</tr>
<tr>
<td>Ross, Jasper</td>
<td>21</td>
</tr>
<tr>
<td>Saegmuller, Geo. N.</td>
<td>74</td>
</tr>
<tr>
<td>Samson Cordage Works</td>
<td>38</td>
</tr>
<tr>
<td>Scannell &amp; Wholey</td>
<td>41</td>
</tr>
<tr>
<td>Scott, Chas., Spring Co.</td>
<td>36</td>
</tr>
<tr>
<td>Shreve, Crump &amp; Low Co.</td>
<td>16</td>
</tr>
<tr>
<td>Sieg, Chas. H., &amp; Co.</td>
<td>90</td>
</tr>
<tr>
<td>Skinner Chuck Co.</td>
<td>37</td>
</tr>
<tr>
<td>Simonds Manfg. Co.</td>
<td>47</td>
</tr>
<tr>
<td>Southern Pacific Co.</td>
<td>33</td>
</tr>
<tr>
<td>Standard Underground Cable Co.</td>
<td>84</td>
</tr>
<tr>
<td>Standard Water Meter Co.</td>
<td>59</td>
</tr>
<tr>
<td>Starrett, L. S., Co.</td>
<td>47</td>
</tr>
<tr>
<td>St. Denis Hotel</td>
<td>28</td>
</tr>
<tr>
<td>Strelinger, Chas. A., &amp; Co.</td>
<td>47</td>
</tr>
<tr>
<td>Sturtevant, B. F., Co.</td>
<td>56</td>
</tr>
<tr>
<td>Syracuse Cycle Co.</td>
<td>89</td>
</tr>
<tr>
<td>Taylor, Ed. R.</td>
<td>78</td>
</tr>
<tr>
<td>Taylor, Wm., &amp; Sons</td>
<td>28</td>
</tr>
<tr>
<td>Taylor, De Merritt &amp; Hager</td>
<td>13</td>
</tr>
<tr>
<td>Thompson &amp; Bushnell</td>
<td></td>
</tr>
<tr>
<td>Tippett &amp; Wood</td>
<td></td>
</tr>
<tr>
<td>Trinity Court School</td>
<td></td>
</tr>
<tr>
<td>Tupper, W. W., &amp; Co.</td>
<td></td>
</tr>
<tr>
<td>Ulmer Belting Co.</td>
<td></td>
</tr>
<tr>
<td>United States Cheque Bank, Ltd.</td>
<td></td>
</tr>
<tr>
<td>Volkmann, Chas. L. K.</td>
<td></td>
</tr>
<tr>
<td>Wadsworth, Howland &amp; Co. (Inc.)</td>
<td></td>
</tr>
<tr>
<td>Warren Chemical &amp; Manfg. Co.</td>
<td></td>
</tr>
<tr>
<td>Warren Foundry &amp; Machine Co.</td>
<td></td>
</tr>
<tr>
<td>Waterbury Farrel Foundry &amp; Machine Co.</td>
<td></td>
</tr>
<tr>
<td>Weimer Machine Co.</td>
<td></td>
</tr>
<tr>
<td>Weston Electrical Instrument Co.</td>
<td></td>
</tr>
<tr>
<td>Whitney, Asa W.</td>
<td></td>
</tr>
<tr>
<td>Whiton, D. E., Machine Co.</td>
<td></td>
</tr>
<tr>
<td>Wilkinson, A. J., Co.</td>
<td></td>
</tr>
<tr>
<td>Williams Bros.</td>
<td></td>
</tr>
<tr>
<td>Winslow Bros. Co.</td>
<td></td>
</tr>
<tr>
<td>Winsor Bicycle</td>
<td></td>
</tr>
<tr>
<td>Wood, Frank</td>
<td></td>
</tr>
<tr>
<td>Worcester Cycle Co.</td>
<td></td>
</tr>
</tbody>
</table>

8
TECHNIQUE ADVERTISER.

ESTABLISHED 1818.

BROOKS BROTHERS,
Broadway, corner Twenty-second Street,
New York City.

Clothing and Furnishing Goods,
READY MADE AND MADE TO MEASURE.

READY MADE

“Knickerbockers” made up plain for rough country wear or reinforced with buckskin for riding.
Covert Coats; serge, silk, or wool lined.
Fancy riding Waistcoats of heavy woollens and cords.
Scotch hand-knit stockings. Pigskin Leggings.

In the department for Clothing to order will be found Scotch and English suitings in all the year round weights, and a large variety of other goods, giving the fullest opportunity for selection.

In the style and cut of our ready-made clothing we have endeavored to guard against those exaggerations of fashion so generally found in lower grades of garments.

In our Furnishing Department is a carefully selected stock of goods, embracing about everything in that line, and including many seasonable novelties not to be found elsewhere.

In connection with this department will be found a select assortment of leather and wicker goods, including Luncheon and Tea Baskets, Holster Cases, Sheffield Plate Flasks, Riding Whips, Crops, etc.; also Golf Clubs of Fernie’s, Dunn’s, and other makes.
The Wellesley girls say,
As at chapel they pray:
"Help us good maidens to be;
Give us patience to wait
Till some subsequent date,
World without men. Ah me!"
THE HANCOCK INSPIRATOR...
For Stationary, Marine, Portable and Locomotive Boilers

THE MOST RELIABLE AND ECONOMICAL BOILER FEEDER FOR UNIVERSAL SERVICE

Simpler in Construction than any Similar Apparatus.

NO ADJUSTMENT
of either steam or water supply required for varying steam pressures. Delivers water at either HIGH or LOW TEMPERATURE, as desired

ALL SIZES LIFT WATER 20 FEET.

The Hancock Inspirator Co.
Manufacturers of General Jet Apparatus...

Main Office and Works
WATSON STREET...
BOSTON, MASS., U. S. A.

HIGHEST AWARD...
at World's Columbian Expositions

OVER 200,000
IN DAILY USE

Readily Repaired...
at Small Expense

The Hancock Inspirator Co.

WATSON STREET...
BOSTON, MASS., U. S. A.

Type "A."

COLLINS & FAIRBANKS
CELEBRATED

SOLE AGENTS FOR
HENRY HATH'S AND
A. J. WHITE'S LONDON
HATS

381
WASHINGTON ST. BOSTON
Leading Outfitters of...
Fine Grade Mackintoshes

We have the exclusive trade of the principal colleges in New England...
Special 10 per cent discount to Technology Students...
We make a specialty at $10.00...
$15.00 and $20.00.

Bicycle, Tennis and Sporting Goods of Every Description.

CLEVE & KRIM,
Metropolitan Rubber Company,

40 SUMMER STREET,

L. E. FLETCHER & CO.
Hatters and Outfitters.

No. 158 BOYLSTON STREET,
BOSTON, MASS.

GEORGE H. LANE,
CUSTOM DEPARTMENT
Continental Clothing House...
No. 651 Washington Street,
Corner of Boylston Street,
Boston, Mass.

~Fine Clothing to Order.

We are always pleased to compare our prices with others doing first-class work ......

Side entrance, No. 18 Boylston Street, up one flight.

Whose collars and stories
For the last 20 years we have kept Piso's Cure for Consumption in stock, and would sooner think a groceryman could get along without sugar in his store than we could without Piso's Cure. It is a sure seller.—RAVEN & CO., Druggists, Ceresco, Michigan, September 2, 1896

Chauncy-Hall School
The Oldest...
Largest and Best
Known...
of the...
Private Schools of Boston.
Prepares pupils for all Collegiate and Scientific Institutions in the shortest time consistent with good work. Special Classes for the Institute. Taylor, De Meritte and Hagar.
Y. M. C. A. Building,
Opposite the Institute,
Back Bay, Boston.

The Volkmann School
TRINITY COURT,
BOSTON.
Preparatory School for College or Scientific Schools.
A. L. K. VOLKMAN.
Students received at any time. College open throughout the year. Individual instruction. Day and Evening sessions. Accountants, Stenographers and Typewriters supplied. Call or send for Circular.

BOSTON COMMERCIAL COLLEGE

Shorthand Typewriting Bookkeeping
Arithmetic Penmanship Grammar
Correspondence, etc.

WILLIAM H. MORIARTY, Principal.

3 BEACON STREET, BOSTON.
The **New Rochester**...

**STANDARD LAMP**

**OF THE WORLD**

OTHER LAMPS may be "like" or "as good" as THE ROCHESTER in appearance, but like all imitations, lack the peculiar merit of the genuine. Look for the NEW ROCHESTER stamp.

*No Smoke. No Smell...
No Broken Chimneys.*

Made in every conceivable design and finish, for all lighting or heating purposes, and at prices to compete with any.

*Why be Content with any but the Best.*

If your dealer cannot or will not supply the NEW ROCHESTER, write to us for catalogue. Free on application to Department M. T.

**The Rochester Lamp Co...**

42 Park Place and 37 Barclay St.
New York......

---

**DREKA**

Fine Stationery and Engraving House,

1121 Chestnut Street, Philadelphia.

**COLLEGE INVITATIONS**
**WEDDING INVITATIONS**

**PROGRAMMES**
**RECEPTION CARDS**

**BANQUET MENUS**
**MONOGRAMS**

**FRATERNITY ENGRAVING**
**COATS OF ARMS**

**FRATERNITY STATIONERY**
**ADDRESS DIES**

**HERALDRY AND GENEALOGY A SPECIALTY,**
**COATS OF ARMS PAINTED FOR FRAMING.**

All work is executed in the establishment, under the personal supervision of Mr. Dreka, and only in the best manner.

The reputation of this house is a guarantee of the quality.
HENRY GUILD & SON,
Manufacturing.....
Jewelers
MAKE A SPECIALTY OF....
MEDALS, BADGES,
SOCIETY PINS, and
RINGS.
WE ALSO MAKE THE....
Phi Beta Epsilon, Delta Upsilon, Sigma Alpha
Epsilon, Theta Xi, Hammer and Tongs, K. O. S.,
and other Class Pins for the M. I. T.
WE MAKE THE OFFICIAL M. I. T. PIN.
WE KEEP IN STOCK AN ASSORTMENT OF DIAMONDS
AND FINE JEWELRY.
No. 433 Washington Street,
Corner Winter Street,
BOSTON, MASS.

A. S. ADAMS,
MAKER OF THE OFFICIAL
M. I. T. PIN.
No. 8 Winter Street, Boston, Mass.
The only Jeweler in the M. I. T.
Co-operative Catalogue.
Any member wearing this Pin will be allowed
10 per cent discount on all purchases.
We now have the above pin in a new half size, also M. I. T.
Football Charms, and Ladies' Hat Pins.
Silver Enamal, plain monogram, 75 cents.
Silver Enamal, raised monogram, $1.00.
20-karat Gold, plain monogram, $2.25.
14-karat Gold, raised monogram, $3.00.

Shreve, Crump & Low Company,
Designers and Manufacturers of
ORIGINAL PRODUCTIONS for Racing Associations and Clubs. These
Designs are varied, and are constantly being produced from the highest talent,
and are appropriate for
TENNIS TOURNAMENTS, BASEBALL, FOOTBALL,
CRICKET, YACHT RACES, ROWING MATCHES,
GOLF MATCHES, HORSE SHOWS, KENNEL
SHOWS, AND EVERY DESCRIPTION OF PRIZES.
Designs submitted, and Estimates furnished free of charge, on application.
Original Devices and Medals a Specialty.
The superb Silver prizes awarded by the Longwood Cricket Club for many years have
been designed, manufactured, and furnished by us.
Shreve, Crump & Low Company,
147 Tremont Street, Boston.

A health to the man
THE

MASSACHUSETTS INSTITUTE OF TECHNOLOGY,

BOSTON.

FRANCIS A. WALKER, PH.D., LL.D., President.

THE MASSACHUSETTS INSTITUTE OF TECHNOLOGY offers courses, each of four years' duration, leading to the degree of Bachelor of Science, in Civil, Mechanical, Mining, Electrical, Chemical, and Sanitary Engineering, in Architecture, Chemistry, Physics, Biology, Geology, and Naval Architecture. A less technical course, in General Studies, is offered to students wishing to qualify themselves for business pursuits.

To be admitted to the first-year class, applicants must have attained the age of seventeen, and must pass satisfactory examinations in Algebra, Plane Geometry, English, History, French (or German), and Advanced Algebra or Solid Geometry.

A division of these entrance subjects between two successive years is, with certain restrictions, permitted.

Entrance examinations are held at the Institute in June and September of each year. In June, applicants are examined in New York, Philadelphia, Chicago, and other principal cities. A circular stating times and places is issued in advance, and will be mailed on application.

Graduates of colleges and scientific schools are admitted, without examination, to such advanced standing as is warranted by their collegiate training.

The catalogue of the Institute and any of the following descriptive circulars will be mailed free on application.

MASSACHUSETTS INSTITUTE OF TECHNOLOGY: an illustrated pamphlet describing the laboratories of the Institute.

Of the Departments of Civil Engineering; Mechanical Engineering; Mining Engineering; Physics and Electrical Engineering; Architecture; Chemistry; Biology; General Studies; Naval Architecture.

In regard to Admission of Graduates of other Colleges; Opportunities for Teachers; The Lowell School of Design; Summer Courses.

H. W. TYLER, Secretary,

491 Boylston Street, Boston, Mass.
FOR SALE...

London "Engineer."
Vols. LV. to LXXII.

London "Engineering."
Vols. I. to LVIII.

Transactions of the American Society of Civil Engineers.

OTHER ENGINEERING BOOKS.

All well bound and in good condition. For full list and prices write to

IRA ABBOTT, Admr.,
150 Broadway, New York City.

DAMRELL & UPHAM,
The Old Corner Book Store,
Corner of School and Washington Streets
BOSTON, MASS.

Students at the School of Technology can obtain their Text-books at Special Prices.

Webster's International Dictionary

Invaluable in Office, School, and Home.

A thorough revision of the Unabridged, the purpose of which has been not only the economy of material for bound and handy advertisement, but the disc. judiciously, scholarly, thoroughly, perfecting of a work which in all its stages of growth has obtained in an equal degree the favor and confidence of scholars and of the general public.

The International is the Standard
of the U. S. Gov't Printing Office, the U. S. Supreme Court, all the State Supreme Courts, and of nearly all the Schools.

THE BEST FOR PRACTICAL USE
BECAUSE
Words are easily found * Pronunciation is easily ascertained. Meanings are easily learned * The growth of words easily traced, and because excellence of quality rather than superfluity of quantity characterizes every department.

GET THE BEST.

Established in 1850.

BOOKBINDING
IN EVERY STYLE.

Binder to Massachusetts Institute Technology, Museum of Fine Arts, etc., etc.

ALEX. MOORE,
NO. 3 SCHOOL STREET,
BOSTON.

One subject is hot;
Charles W. Hearn

PHOTOGRAPHER

Would respectfully solicit the patronage of Technology students for various kinds of individual and group photographs—for whom we have done and are doing considerable work.

We have for years made a specialty of college work, having in many cases, for years in succession, done the work for Amherst, Dartmouth, University of Vermont, Tufts, Boston University, Harvard Dental, Boston Dental, Wellesley, Mt. Holyoke, Wesleyan, Lasell, etc., etc.

Special rates for "Tech."

Respectfully,

Charles W. Hearn

394 Boylston Street,
Near Berkeley Street.
Partridge
PHOTOGRAPHER.
Boston, 2832 Washington Street, Telephone, 10-3 Roxbury.
    Boston, 18 Blue Hill Avenue.
    Brookline, 27 Harvard Street; Telephone, 104-3 Brookline.
    Ashmont, 1873 Dorchester Ave.; Telephone, 215-3 Dorchester.
    Newtonville, 92 Bowers Street; Telephone, 283-4.
    Wellesley, near the Railway Station.

Photography in all its branches, of the highest possible quality.
Special rates to students of the M. I. T.

SPECIAL PRICES TO STUDENTS

The...
Notman Photographic Company

Studios:
480 Boylston Street, BOSTON.
3 Park Street, BOSTON.
1286 Massachusetts Avenue, CAMBRIDGE.

FINE GROUPS A SPECIALTY.
TECH
Hair-Dressing Parlor
Branch of Hotel Thorndike.

486 1-2 BOYLSTON STREET.

Hair Cutting, 25.
Shaving, 15.
Shampoo, 25.
Razors Honed, 25.

J. ROSS, Proprietor.

HAVE YOU WRITTEN YOUR theses?
WHETHER YOU HAVE OR HAVE NOT, HAVE THEM TYPEWRITTEN BY

MERRIAM & MEADER,
TREMONT TEMPLE, 717.

IDA A. MERRIAM,
Formerly Stenographer to United States Legation, Paris.

EMMA L. MEADER,
Formerly with the General Electric Co.
DRAFTING INSTRUMENTS
SINGLY OR IN SETS.
SCALES, CURVES, TRIANGLES, T SQUARES.
DRAWING AND BLUE PROCESS PAPERS.
FINE BRUSHES, COLORS, PENCILS.

English Metallic Paper in Sheets, Blocks and Books.
UNEXCELLED FOR PENCIL DRAWING.

SPECIAL TERMS TO STUDENTS.

Artists' Materials
OF EVERY DESCRIPTION.

Sketch Boxes, Easels, Drawing Tables, Canvas,
Tube Colors, Water Colors,

MANUFACTURED BY
WADSWORTH, HOWLAND & CO.
(INCORPORATED),
Nos. 82 and 84 Washington Street,
Branch Store, Grundmann Studios, Clarendon Street,

Factories: Malden, Mass. BOSTON, MASS.

Send for our Illustrated Catalogue.

But built on a dreadfully
"STUDENTS," ATTENTION.

Largest Stock and Lowest Prices on

Mathematical Instruments

DRAWING MATERIALS AND
PICTURE FRAMES
OF ALL KINDS AT

FROST & ADAMS COMPANY,

"Special rates to Colleges."
New Illustrated Catalogue FREE.

No. 37 CORNHILL, BOSTON.

ALTENEDER’S

Lever
Ruling Pen

Patented May 7, ’95; Sept. 29, ’96.

Cleaned without altering adjustment.

To Clean: Don’t touch the screw; lift the lever. Opened and closed instantly, and without removing the screw or disturbing its adjustment for width of line.

THEO. ALTENEDER & SONS,
945 Ridge Avenue,

Send for Catalogue.

PHILADELPHIA.

Loose-jointed plan.
SEE WHAT YOU ARE DOING!

THERE'S NO ? ABOUT IT!

If the First Typewriter had WRITTEN IN SIGHT
no one would have bought a “Blind” Machine.

The "Daugherty Visible"

PRICE, $75.00

HAS IT MOST OF ANY. Send for a Machine on
Trial. Prove what we say.

Catalogue of The Daugherty Typewriter Co. 42 Main Street,
Kittanning, Pa.

I think that his parents
The Light Running DENSMORE The World's Greatest Typewriter.

"I can write much faster on the machine than with the pen, and I really think that my thoughts come quicker to the click of the types than they did to the noiseless flowing of the ink. And then there is this advantage, if anything goes wrong, you can lay it to the machine." —From Editor of the Critic (who uses a Densmore).

We now make all DENSMORES with the

Type-bars Swinging on Ball Bearings,

like those of bicycle wheels. This prevents wear at the bearings on which alignment and durability chiefly depend. It marks an era in typewriter construction.

The United States Department of the Interior alone uses 150 Densmores, and the Custodian says they give "entire satisfaction."

Superiorities Established.

Lightest Key Touch (because of the compound levers).

Greatest Speed (because of the convertible speed escapement).

Most Convenient Paper Feed (because of the unique paper fingers and ease with which platen is turned to show writing).

Best for both Correspondence and Manifolding (because of the instantly interchangeable printing cylinders).

Best System of Scales (because one scale always remains at the pointer and a duplicate scale at the writing).

Free: Illustrated pamphlet containing testimonials from the United States Government and from many leading concerns.

DENSMORE TYPEWRITER CO., 316 Broadway, New York.

Had rather a crust.
OAK GROVE CREAMERY CO.  N. L. MARTIN.

445 Boylston Street, Boston...

Wholesale and Retail Dealers in

FINE DAIRY PRODUCTS

Pure Milk and Cream delivered in Glass Jars.

Branches... 430 Massachusetts Avenue, Cambridge, Mass.
1310 Massachusetts Avenue, Cambridge, Mass.

Telephone connection.

Our famous Lunch Room for Ladies and Gentlemen, adjoining and connected with our Boylston Street Creamery, has been recently enlarged and perfectly equipped.

The best of everything the market affords, well-cooked, perfectly served, and at reasonable prices, can always be found there.

Hotel Brunswick,

BOSTON, MASS.

AMERICAN AND EUROPEAN PLANS.

Opposite Institute of Technology.

BARNES & DUNKLEE,

Proprietors.

H. H. BARNES, Manager.

QUICK LUNCH.

Boylston Cafe,

707 BOYLSTON STREET.

(Near Exeter.)

A. ALGAR, Proprietor.

You may meet him some day.
Hotel Plaza

419 Columbus Avenue, Boston.

Facing the Plaza and Columbus Square.

J. O'Connor, Proprietor.

Pioneer of the new hotel center in Boston; unexcelled location, superior rooms, cuisine, and service.

The standard hotel, giving better value for prices charged than any first-class hotel in the city.

The Café

is, without exception, the handsomest dining room in the city. The service is strictly first class, and the prices are very reasonable.

The Barber Shop

is clean, light, and cheerful; the barbers all courteous and efficient.

The Billiard Hall

is in charge of Mr. Bruce, one of the best known and competent men in his line in Boston, and polite treatment is accorded to all.

Rooms—European Plan.

One hundred single rooms, with use of bathroom, $1.00 per day; Suites, consisting of parlor, chamber, and bath, $2 per day for two persons. Large rooms, with bath, $2.00 per day for two persons. Prices same on every floor.

Charles E. Sleeper, Manager.

In the regions below.
The Best People
from everywhere, bent on business or pleasure, when in New York, stop at

The St. Denis

The cuisine and comforts of the hotel have become so well known that its name is now a household word in thousands of homes in this country and Europe.

Broadway and Eleventh Street,
Opposite Grace Church,
NEW YORK.

Central...
Location...

Count de Tyes was arrested yesterday for running a joint on Sunday.—Newspaper Clipping.
TECHNIQUE ADVERTISER.

BETTER THAN

LETTERS OF CREDIT.
Because they are more convenient; paid by shops, hotels, etc.

BANK OF ENGLAND NOTES.
Because they are drawn from one shilling up. Bank of England notes issued for £5 only.

ENGLISH SOVEREIGNS.
Because they are more portable. They are paid in gold.

BANKERS' BILLS OF EXCHANGE.
Because they are payable not in one place only, but in every country in the world.

We are speaking of Cheque Bank Cheques.
Send for circular which tells their advantages.

Agency of The United States Cheque Bank, Limited.

ALLEN ARNOLD,
NOTE AND STOCK BROKER,
103 SEARS BUILDING,
BOSTON.

COMMERCIAL PAPER.
COLLATERAL NOTES.
INVESTMENT BONDS.

Member of Boston Stock Exchange.
N & W

Norfolk & Western Railway

The Shenandoah Valley Route.....The Norfolk Route.

FOR THE ROUTES DESCRIBED HEREWITH WE ASK YOUR EARNEST ATTENTION.

ALL RAIL.

Travel South by the Shenandoah Valley Route.

"For beauty of scenery and solid comfort in travel take the Shenandoah Valley Route, via B. & O. and Washington, the only route running solid vestibuled trains and dining cars between New York and Chattanooga; Pullman Sleepers for Roanoke, Knoxville, Chattanooga, Birmingham, New Orleans, Nashville, Memphis, and Florida. Stop-over privilege at Lookout Mountain. Leave New York daily, depot of Central R.R. of New Jersey, foot of Liberty Street."

BY SEA AND RAIL.

THE NORFOLK ROUTE.

The palatial steamships of the M. & M. T. Co. ply Tri-weekly and direct between Boston, Norfolk and Baltimore, sailing from Battery Wharf, Boston, every Tuesday, Thursday and Saturday at 2 o'clock p. m. Connecting with Rail and Water Routes for Washington, D. C., the South, Southwest, and Pacific Slope.

You are respectfully invited to inspect our steamers, and see for yourselves the accommodations offered.

THROUGH PULLMAN CAR SERVICE from NEW YORK, WASHINGTON and NORFOLK.

C. P. GAITHER, New England Agent, 296 WASHINGTON STREET, BOSTON.

A VACATION

MAY BE DELIGHTFULLY SPENT AT

Old Point Comfort and Richmond, Va.

These Points are reached by the beautiful steamships of the

Old Dominion Line.

SAILING EVERY WEEK-DAY FROM NEW YORK.

The Hotel Chamberlain and Hygeia Hotel at Old Point Comfort and the "Jefferson" at Richmond rank among the finest and most luxurious in America.

Favorite Route to Asheville, Hot Springs, Southern Pines, N. C., Hot Springs, Va., and other renowned Mountain and Spring Resorts of the South.

Send for copy of "PILOT," covering detailed information.

Old Dominion S. S. Co., Pier 26 North River, New York.

W. L. GUILLAUME, Vice President and Traffic Manager.

But of all Math. instructors,
FINEST ROAD BED ON THE CONTINENT.

THE THROUGH CAR LINE
TO THE
West—
Northwest
and Southwest

Six Express Trains Leave Boston at...

8.30 A. M. (except Sunday), Day Express.
10.30 A. M. (Daily), Chicago Special.
2.00 P. M. (Daily), Chicago Limited.
3.00 P. M. (except Sunday), Chicago and St. Louis Express.
7.15 P. M. (Daily), Pacific Express.
11.00 P. M. (except Saturday), Night Express.

Springfield Line

.. Hartford, New Haven and New York.

Solid Through Express Trains Leave Boston at...

9.00 A. M. (except Sunday), Morning Express.
11.00 A. M. (except Sunday), The Flyer.
4.00 P. M. (Daily), The Limited.
11.00 P. M. (Daily), Night Express.

The 11.00 A. M. Train makes the run to New York in five hours forty minutes. No extra charge.

Drawing-room Cars on all day trains. Sleeping Cars on all night trains.

For time tables, berths in sleeping cars, or information of any kind, call on or address

J. L. WHITE, City Pass. Agent,
366 Washington Street.

A. S. HANSON, Gen'l Pass. Agent,
Boston, Mass.

He's easily queen.
He: No; I never think about my personal appearance.
She: No; I shouldn't think you would.
Any One contemplating a Trip to

California

Will find it to their advantage to avail themselves of the SUPERIOR FACILITIES offered by the lines of the

SOUTHERN PACIFIC COMPANY

Ask for information concerning the famous palatial hotel on wheels. Runs between New Orleans and San Francisco twice each week during Winter season.

Personally Conducted Tourist Excursions for California every week, via Washington, Atlanta and New Orleans.

E. E. CURRIER, New England Agent,
9 State Street, Boston.
EDWIN HAWLEY, A. G. T. M., 349 Broadway or 1 Battery Place, N. Y.
L. H. NUTTING, E. P. A.,
R. J. SMITH, Agent,
49 South Third Street, Philadelphia, Pa.
W. H. CONNOR, Com't Agent,
Chamber Commerce Building, Cincinnati, Ohio.
W. G. NEIMYER, Gen'l Western Agent,
238 Clark Street, Chicago, Ill.

B. B. BARBER, Agent,
209 E. German Street, Baltimore, Md.
W. J. BERG, Travelling Pass. Agent,
220 Ellicott Square, Buffalo, N. Y.
RUD. FAULK, Gen'l European Agent,
6 and 8 Karlsruhe, Hamburg, Germany,
49 Leadenhall Street, London, England,
25 Water Street, Liverpool, England,
7 Bierhaven, Rotterdam, Netherlands,
1 Rue, au Sucre, Antwerp, Belgium.

S. F. B. MORSE, G. P. A.,
NEW ORLEANS, LA.

T. H. GOODMAN, G. P. A.,
SAN FRANCISCO, CAL.
Quad Camera
3½ x 3½ plates.
Handsomely covered with leather.
Price, $5.00.

Buckeye
Twelve Exposures.
Loaded in Daylight.
Simple and Efficient.
Price, $8.00.

E. & H. T. Anthony & Co.,
591 Broadway, New York.

Andrew J. Lloyd & Co.
Opticians.
Main Store and Factory,
323 and 325 Washington Street,
Opposite the Old South Church,
BOSTON.

Our Only Branch,
No. 454 Boylston Street.
TECHNIQUE ADVERTISER.

Richmond Heaters

STEAM
AND:
HOT WATER.

HEATING OF HOMES A SPECIALTY.

Catalogues furnished giving full information of our extensive line

RELIABLE AGENCIES EVERYWHERE
Whom we indorse as COMPETENT ENGINEERS.

THE RICHMOND STOVE COMPANY,
Manuf. of Heaters, Furnaces, Stoves, and Ranges,
NORWICH, CONN.

W. W. TUPPER & CO.
Patent Grate Bars for Steam Boilers,
39 and 41 CORTLANDT ST., NEW YORK.

Also, Dumping Grates.
Send for Circular.

MILLETT'S PATENT CORE OVEN.
THE BEST IN THE WORLD.

Saves Time...
... Saves Fuel...
... Saves Money

SEND FOR CIRCULAR.

MILLETT CORE OVEN CO.
Brightwood, Mass.
Patents

HOWSON AND HOWSON
COUNSELLORS AT LAW
SOLICITORS OF PATENTS

PHILADELPHIA, Forrest Building,
119 SOUTH FOURTH STREET

NEW YORK, Potter Building,
38 PARK ROW

WASHINGTON, National Union Building,
918 F STREET

Charles Scott Spring Company,
Germantown Ave., New Market, Canal Sts.,
PHILADELPHIA, PA.,
Manufacturers of

Helical and .........
Elliptical Springs
OF EVERY DESCRIPTION.

CRUCIBLE STEEL MACHINERY SPRINGS,
OIL TEMPERED,
Of capacity from 1 ounce to 100 tons.
Catalogue on application.

Pike's Arkansas Oilstones
have no equal for Carving Tools, Gravers,
Draughting Pens, Lancets, etc.

Arkansas Stone in Hard Rubber Box, 3½ inches long
by 1 inch wide, $1.00 each; in Mahogany Box,
75 cents each. By mail postpaid.

Send for Catalogue.

The Pike Manufacturing Co.,
Pike Station, New Hampshire, U. S. A.

That pun, I must own,
THE ABC OF CHUCKS.

ARE YOU INTERESTED?
BEFORE BUYING ELSEWHERE,
CONSULT OUR CATALOGUE.

THE D. E. WHITON MACHINE CO.,
New London, Conn., U. S. A.

Dixon's
American Graphite Pencils

ARE UNEQUALLED for smooth, tough leads, that hold their points better and last longer than any other pencil made. They are made in ten degrees of hardness, suitable for all kinds of college, office or professional work. All stationers keep them, or samples, worth double the money, will be sent on receipt of 16 cents . . . . .

Joseph Dixon Crucible Co.
Jersey City, N. J.

Skinner Patent Chucks.

LATHE CHUCKS.
Independent,
Universal,
Combination,
with two, three and four jaws, and either style of jaw desired.

DRILL CHUCKS.
Skinner Patent,
New Model,
Standard.
Chucks for holding straight and taper shank drills.

Planer Chucks.
Round Swivel Base.
Square Base.
Also, Face-Plate Jaws.
Catalogue mailed on application.

THE SKINNER CHUCK CO.,
N. Y. Office, 94 Reade St. New Britain, Ct., U. S. A.

SUPERIOR
GRAPHITE PAINT

For BRIDGES, ROOFS, STRUCTURAL IRON, and all Exposed Metal and Wood Surfaces.

Warranted not affected by heat, cold, salt brine, acid fumes, smoke or chemicals.

Detroit Graphite Mfg. Co., DETROIT, MICH.

Gives me rather a pain.
Sash Cord, 
Clothes Lines, 
Curtain Cord, 

Masons' Lines, 
Chalk Lines, 
Shade Lines, etc.

**SAMSON SPOT CORD**

Is warranted of pure stock and perfect braid, and may be known at sight by its distinctive mark — the spot.

Samson Cordage Works, 
BOSTON, MASS.

---

**STEAM ROAD ROLLERS**

THE O.S. KELLY CO. 
Springfield, Ohio, U.S.A.

Over 250 now in use. 
Over 75 sold in New England.

Handsome Illustrated Catalogue sent free on application.

---

**JEFFREY**

Roller, Steel and Special CHAINS
FOR—
ELEVATING CONVEYING MACHINERY
FOR HANDLING MATERIAL OF ALL KINDS.
Power Transmission Machinery.
COAL MINING MACHINERY.
WIRE CABLE CONVEYORS.
For long and short distances conveying.

THE JEFFREY MFG. CO., Columbus, Ohio.
Send for Catalogue. 145 Washington St., NEW YORK.

---

**Lewis’**

PATENT DOUBLE STEEL SLIDE

Bar... Vises
FOR ALL KINDS OF...

**Lewis Tool Co.**
44 Barclay Street, New York.

Send for Illustrated Catalogue.

**VISE... WORK.**

Do not Break.
Do the....
Most Work
in the Least Time
with the Least Effort
and.....  LAST LONGEST.

NICHOLSON FILE CO., Providence, R. I., Largest producers of FILES and RASPS in the World...

The Pen is mightier than the Sword.
Railroad Track Equipment

The Celebrated Snow Automatic.... Safety Switch Stand

Ramapo Frogs, Switches, and Crossings.

RAMAPO IRON WORKS, Hillburn, N.Y.

James Hunter Machine Company,
North Adams, Mass.,
Manufacturers of
Friction Clutch Pulleys and Cut-off... Couplings...
Shafting
and all its accessories for Power Transmission.

But I hope that some day
ROBERTS
Iron Works Company

Boiler Makers,
Machinists and General Iron Workers,

PLATE AND SHEET IRON WORK of all descriptions.
STEAM BOILERS from 3 to 125 Horse Power on hand and shipped on orders at short notice.

B. F. PERKINS & SON,
MANUFACTURERS OF
Ventilating and Exhaust Fans
ALL STYLES.
Galvanized Iron Case, Steel Blades, PATENTED.

OUR IMPROVED HORIZONTAL FAN.
No. 178 RAILROAD STREET,
HOLYOKE, MASS.

SCANNELL & WHOLEY,
MANUFACTURERS OF
Steam Boilers

Stand Pipes,
Pen Stocks, Tanks,
Kiers, Steam Boxes,
Steel and Iron Plate Work
of Every Description.

No. 26 TO 44 TANNER STREET,
LOWELL, MASS.

Such a snap I may get.
CHARLES RIVER IRON WORKS,
EDWARD KENDALL & SONS,
STEAM BOILERS,

WRITE FOR PRICES BEFORE BUYING. HIGH PRESSURE BOILERS OUR SPECIALTY.

NOS. 148 TO 170 MAIN STREET,

CAMBRIDGEPORT, MASS., U. S. A.

GUILD & GARRISON,
BROOKLYN, N. Y.

Vacuum Pumps

Also

Air or Gas Pressure Pumps.
Filter Press Pumps.
Ammonia Engines and Pumps.
Crank and Fly-Wheel Pumps, Etc.

TIPPETT & WOOD,
PHILLIPSBURG, N. J.,

ORGANIZED 1865.

DESIGNERS and BUILDERS of Water Towers, Standpipes,

and General Contractors in PLATE and RIVETED work.

A specialty made of Fine and Heavy Smith Work Forgings

Correspondence Solicited.

I hope his initial
R. F. HAWKINS
IRON WORKS.

Iron and Steel Bridges,
Buildings, Roofs and
Turn Tables,
Steam Boilers,
Iron Castings, etc.

SPRINGFIELD,
MASSACHUSETTS.

American Tool & Machine Company,
109 BEACH ST., BOSTON, MASS.

Machinists, Founders
and Engineers

MAKE A SPECIALTY OF

Repairing and Machine Jobbing at the
Boston Shop.
Estimates for special work cheerfully
furnished.

Full line of Power Transmission Ma-
chinery and Worrall Friction Clutches.

HYDRAULIC

Presses, Draw Benches, Accumula-
tors and Power Pumps for same.

We have built Hydraulic Machinery Equipment for
four plants for making bicycle tubing. We also build
Chain Draw Benches for drawing all kinds of tubing
and rods. Our pamphlet, containing one hundred and
eighty miniature illustrations of machines we have
recently built, will be sent to those asking for it by
letter, and stating the name of the firm or corporation
they are connected with.

The embossing of the World's Fair Medals was done
with one of our Hydraulic Presses.

Send for Catalogue of
DRILLING MACHINERY
AND
ENGINE LATHES

Unfitting may be.
THE NILES TOOL WORKS COMPANY, Hamilton, Ohio.

LABOR-SAVING TOOLS,
HEAVIEST TYPES,
OUR SPECIALTY.

Complete Equipments for Machine Shops of all kinds.
Correspondence solicited.
Write for Catalogue.

Branches:
New York,
Chicago,
Philadelphia,
Boston,
Pittsburg.

Horizontal Boring, Drilling and Milling Machine, at work of Heavy Casting.

Every machine running in your works is a monument to your intelligence or ignorance—a money maker or a money eater.

The Flat Turret Lathe will do nearly all your lathe work under 2 inches in diameter and less than 24 inches long. It will save $1,000 to $1,500 over lathe work, and $400 to $600 over any other turret machine. Sold on Guarantees. Our own representatives will call on request. "Rapid Lathe Work" sent free.

JONES & LAMSON MACHINE CO.,
SPRINGFIELD, VT., U.S.A.
She: Have you ever played Golf before?
He: Certainly; haven't you seen me?
She: Yes; that's why I asked.
A. J. Wilkinson & Company,

Machinists’ Fine Tools a Specialty.

Brown & Sharpe’s, and Starrett’s Machinists’ Tools.

180 to 188 Washington Street,
Boston, Mass.

With feet always glued
A Graduate of "Tech"

Who has our

"BOOK OF TOOLS," for Metal Workers, 540 pages, 2,000 Illustrations, and our

"WOOD-WORKERS' TOOLS," to be out about May 1st, 1897, is well equipped in everything concerning Machinery, Tools, and Supplies for the battle of life.

Send 25 cents for each Book to

Chas. A. Strelinger & Co.,
Box K, Detroit, Mich.

To the floor of his den.
ESTABLISHED 1856.

Warren Foundry and Machine Co.

Works at Phillipsburg, New Jersey.

Sales Office, . . . . 160 Broadway, New York.

CAST IRON WATER AND GAS PIPE
FROM 3 TO 48 INCHES DIAMETER.
All sizes of Flanged Pipe and Special Castings.
Also, Pipe suitable for Culverts and Road Drains.

The Pratt & Whitney Company,
Hartford, Conn., U.S.A.

DESIGNERS AND MANUFACTURERS OF MACHINE TOOLS
For GENERAL and SPECIAL SERVICE in MACHINE and RAILWAY SHOPS, and AGRICULTURAL IMPLEMENT WORKS.


Factories equipped with complete plants of Machines, Fixtures, Small Tools and Gauges for the manufacture of Guns, Sewing Machines, Bicycles, Typewriting Machines, Brass Goods, and similar articles requiring interchangeable parts.

We shall be pleased to furnish Catalogues, and also illustrations descriptive of various machines not included in the Catalogue, together with complete Price Lists. In writing us, please mention "Technique."

You must all try to laugh
RHODE ISLAND TOOL CO.,
PROVIDENCE, RHODE ISLAND.

P. O. Box 1567.

H. N. BATES MACHINE COMPANY,
Nos. 240 to 246 Congress Street,
BOSTON, MASS., U. S. A.

Manufacturers and Dealers in
Power Transmission Machinery
Dynamos and Motors

New England Agency for


And to stamp on the ground.
Bear Type Hydraulic Riveter
Attached to Hydraulic Lift.

R. D. Wood & Company
Engineers, Machinists,
Iron Founders,
400 Chestnut Street, Philadelphia, Pa.

Constructors of
Hydraulic Tools,
Riveters, Punches, Shears,
Presses, Lifts, etc.
Traveling and Jib Cranes.

Manufacturers of all kinds
and sizes of

CAST-IRON PIPE...

Mathew’s Single and Double
Valve Fire Hydrants.
Valve Indicator Posts.
Eddy Valves, Lamp Posts, etc.
Gasholders and Gas
Machinery.

Birch Bier.

Cotton Machinery

Improved Cotton Machinery

For SPINNING, SPoolING, WARPING, DYEING, REELING, TWISTING, and WEAving.

Draper Company, Hopedale, Mass.
LEONARD & ELLIS

Sole Manufacturers of

Valvoline Lubricating Oils,

WILLIAM JAMES GOULDING, Manager,

No. 149 Broad Street, Boston, Mass.

VALVOLINE LUBRICATING OILS are manufactured in the following grades, each grade having several qualities, varying in price, according to the crude oil used, and the extent to which they have been refined and filtered.


CAUTION.—The acknowledged reputation of VALVOLINE OILS has prompted other parties offering inferior Oils to use the word Valvoline in making sales. The consumer is cautioned that the genuine Oil is always invoiced and branded VALVOLINE, and is not sold by us to Oil Dealers.

OUR OILS ARE WARRANTED, AND SATISFACTION GUARANTEED.

JEWELL BELTING COMPANY,

TANNERS OF

Oak Belting Leather,

MANUFACTURERS OF

Short Lap Oak Belting.

Tanneries: Jellico, Tenn.; Rome, Ga. Main Office and Belt Factory, Hartford, Conn.

For a couple of drawings
WOOD-WORKING MACHINERY

Specially adapted for
Industrial
Schools,
Colleges,
Etc.

Our line is complete.

S. A. WOODS MACHINE CO.
172 High Street, Boston, Mass.

WOOD-WORKING MACHINERY
OF EVERY DESCRIPTION.

HIGHEST CLASS—LARGEST LINE.

More of our make of Wood-Working Machinery is
in use, and more is being sold to-day,
than any other.

...This tells the tale...

J. A. FAY & CO.,
554-574 West Front St., Cincinnati, O.

Handicapped?

Yes, when you attempt with antiquated
machinery to compete with those using up to
date. We manufacture UP-TO-DATE LABOR-SAVING WOOD-WORKING MACHINERY for
PLANE,MILLS, SASH and DOOR WORK, FURNITURE
FACTORIES, WHEEL and VEHICLE MAKERS, CAR
SHOPS, PATTERN MAKERS, ETC. Some 150 of the
machines are shown on our POSTER, and all are
described in our 312-page CATALOGUE, a copy
of which we will send to those having use for it.

THE EGAN CO.,
445-465 West Front Street,
CINCINNATI, OHIO.

We have him to thank.
The Deane Steam Pump Company

Steam Pumps
- Single
- Duplex
- Compound
- Triple Expansion

Power Pumps
- Single
- Duplex
- Triple

DEANE Triplex Pump and Electric Motor.

BOSTON
No. 54 Oliver Street

NEW YORK
No. 72 Cortlandt Street

DEANE Duplex Mine Pump and Electric Motor.

Who gives you a C
Maximun of strength, simplicity and service.
Minimum of weight, wear and waste.
We have discarded many wearing parts found in other pumps and get our results with what is left.
17,000 sold
in eight years.

In response to your smiles.
THE PULSOMETER STEAM PUMP

Often Imitated, Never Equaled.
Over 20,000 in Use.

RECENT IMPORTANT IMPROVEMENTS.
The Handiest, Simplest, and Most Efficient Steam Pump
For General Mining, Quarrying, Railroad, Irrigating, Draining, Coal-washing,
Sewer and Bridge Contractors' Purposes, etc.

MUDDY OR GRITTY LIQUIDS HANDLED WITHOUT INJURY TO PUMP.

Pulsometer Steam Pump Co.,
135 Greenwich St., New York, N.Y.

PERRIN, SEAMANS & CO., N. E. Agents, 57 Oliver Street, Boston, Mass.

B. F. STURTEVANT COMPANY,
BOSTON, MASS.

MANUFACTURERS OF
The Sturtevant Blowers,
Exhaust Fans, Forges, Gates,
Steam Engines, Steam Fans,

Sturtevant System of . . .
Heating and Ventilation.

BRANCH STORES:
34 Oliver Street, Boston, Mass.
131 Liberty Street, New York, N. Y.
135 North 3d Street, Philadelphia, Penn.
16 South Canal Street, Chicago, Ill.
21 West Nile Street, Glasgow, Scotland.
87 Zimmerstrasse, Berlin, Germany.
2 Kungsholmstorg, Stockholm, Sweden.
Irate Party: Will you bring me a spoon, or not?
Waiter: Very sorry, sir; but you see them Tech. Sophomores dined here last night, and we haven't had time to get any spoons since.
Rock Drills, Air Compressors
and... MINING MACHINERY

The RAND ROCK DRILLS (worked by steam or compressed air) are simple and compact in construction, strong, and built on the interchangeable part system. All necessary Mountings.

Rand...
Air...
Compressors

For operating Air Lift Pumps, Rock Drills, Coal Cutting Machines, Air Hoists and Pneumatic Tools.

Our COMPOUND DUPLEX COMPRESSOR is perfect in regulation, and intended for those who wish the most economical results even in small plants. Consumption of fuel and wear of machine strictly proportioned to work done. Has many other attractive features.

RAND DRILL CO.

100 BROADWAY, NEW YORK.

On that subject the Soph.
THE PELTON WATER WHEEL

Embracing in its variations of construction and application

THE PELTON SYSTEM OF POWER.

In simplicity of construction, absence of wearing parts, high efficiency and facility of adaptation to varying conditions of service, the PELTON meets more fully all requirements than any other wheel made. Proposals given for the development of water powers based upon direct application, or ELECTRIC TRANSMISSION under any head and any requirement as to capacity. Correspondence invited. Catalogue furnished upon application.

Address PELTON WATER WHEEL CO.
121-23 Main Street, San Francisco, Cal., or 143 Liberty Street, New York.

WATER WHEEL.

WATER WHEELS ADAPTED TO ALL HEAD PRESSURES FROM
3 FEET TO 2,000 FEET.

Large and small of all capacities for all purposes. An experience of thirty-five years building Water Wheels enables us to suit every requirement of Water Power Plants. State your Head and Fall and send for pamphlet.

AUTOMATIC and THROTTLING ENGINE

Built in latest style, of best design and highest excellence. Sizes from 3 Horse Power upward, with suitable boilers of steel or iron plates. State your wants and send for pamphlet.

JAMES LEFFEL & CO., Springfield, Ohio, U.S.A.

TUERK WATER MOTOR

Represents the latest and highest development of Water Wheels for high pressure.

Especially adapted for Hydrant Pressure. A perfect power for Sewing Machine, Coffee Mill, Church or Parlor Organ, Printing Office, Machine Shops, and all similar uses.

SEND FOR CATALOGUE.

STANDARD WATER METER COMPANY,
SUCCESSORS TO
TUERK HYDRAULIC POWER CO.

NEW YORK. CHICAGO.

Is so sorry he took.
WEIMER
Machine Works Company
LEBANON, PENN.

BUILDERS OF
Blowing Engines for Blast Furnaces, Steel Works, Corliss or Poppet Steam Valve Gear.
General Machinery for all Purposes.
Iron Cars FOR LIQUID CINDER AND METALS. Standard and Narrow Gauge of Track.

Compound Corliss Engines for Mills, Electric Light and Street Railroad Service.
Iron Castings from 1 to 40,000 pounds.

PRICES LOW.

THE XLCR or Standard Circumshott Water Wheel ON HORIZONTAL SHAFT.

Saves cost, annoyance, and loss of power incident to use of gears and foot-steps of vertical shaft wheels.
Consistent design, with economic proportions, insuring highest efficiency; yields more power from water applied in varied conditions of use than common to other wheels; often making gains of 90 to 30 per cent in available power over the "high bucket, small diameter turbines" now common.

Efficiency, Economy and Excellence Fully Guaranteed.

Humphrey Machine Co., Keene, N. H.

FRASER & CHALMERS,

Manufacturers of Power, Mining, and Metallurgical Machinery.
Solicit correspondence with reference to Mining Supplies and the full equipment of Milling, Smelting, Concentrating, and other Reduction Plants.
Riedler Waterworks, Pumps, Air Compressors, Hoists, Corliss Engines, and Boilers.
CATALOGUES ON APPLICATION.

Who made such a sensation

SUPERIOR STEEL CASTINGS
FROM 1-2 OUNCE TO 200 POUNDS IN WEIGHT.

GRADE I. Steel Castings that will bend, though not of high tensile strength; soft and easily machined, which will harden by ordinary methods. We make in this grade the smallest steel castings that can be made by any process, viz.: parts of Sewing Machines, Typewriters and small Automatic Machinery, Dentists' and Surgical Instruments and Castings which require a high finish.

GRADE II. Includes soft, easily machined castings, of a high tensile strength, for Tool and General Machine parts, pieces of heavier section requiring greater strength and subject to severe usage; small and medium sized Connecting Rods, Crossheads, Fine-pitch Gears, etc. This grade may be made to harden, and possesses high electrical permeability. Also specially adapted for Hydraulic and Ice Machine Fittings which are guaranteed air-tight.

GRADE III. Is harder, stiffer, and has a higher tensile strength, not so easily bent, and will receive a good finish. The grain is close, and is specially adapted for Gearing of Coarse Pitch for Sliding Surfaces, Agricultural and other Machinery.

BICYCLE STEEL Specially adapted and extensively used for such parts as Crank Hangers, Seat Post Lugs, Frame Connections, Sprockets, etc.

STANLEY G. FLAGG & CO.
North Nineteenth St., Pennsylvania Ave. and Hamilton St.
PHILADELPHIA, PA.

IN ORDERING SPECIFY GRADE OR KIND OF STEEL REQUIRED.

The Benjamin Atha & Illingworth Co.
Harrison, N. J.,
Manufacturers of
Merchant Bar Steel
Steel Forgings
Steel Castings

Highest quality
Tool Steel
Champion
Champion Extra
Champion Special

"R. Mushet's" Special Steel
Is the original, and the ONLY THOROUGHLY UNIFORM, self-hardening steel. It is also thoroughly RELIABLE.

For over 20 years it has held a unique position in the markets of the United States, and naturally enough many have tried to imitate its virtues; but for all purposes for which the "R. Mushet's" is especially recommended, we are constantly in receipt of evidence from the principals of the leading Machine Shops of the United States that it is the MOST DURABLE, THOROUGHLY RELIABLE, and consequently the CHEAPEST Steel they can obtain.

The Trade Marks of "R. Mushet’s Special Steel" and R. Mushet’s "Titanic" Steel are Registered in the United States.

Sole representatives in the United States,
B. M. JONES & CO.,
Nos. 11 & 13 Oliver St., BOSTON.
No. 143 Liberty St., NEW YORK.

Two years from last fall.
THE PITTSBURGH REDUCTION CO.
MANUFACTURERS OF
Aluminum Ingots, Bars, Sheet, Wire,
Tubes, and Castings.

ALFRED E. HUNT, PRESIDENT.
GEO. H. CLAPP, SECRETARY.

Main Offices,
To which all correspondence should be
directed, No. 121 Third Avenue,
PITTSBURG, PENN., U. S. A. .

Works,
New Kensington, Westmoreland County,
Penn.; Niagara Falls, Niagara Co., N. Y.

New York Store,
Nos. 10 and 11 Havemeyer Building, 26
Cortlandt Street.
Chicago Store, 132 Lake Street.
Philadelphia Store, No. 360 Bullitt Building, 133
South Fourth Street.

GOLD MEDAL, PARIS, 1889.

JESSOP'S
Best English Tool Steel
FOR....
DRILLS,
DIES,
TOOLS, ETC.

Manufactory, SHEFFIELD, ENGLAND.
Chief American Depot, 91 John Street, New York.
W. F. WAGNER, General Manager.

Wm. Jessop & Sons, Ltd.
ESTABLISHED OVER A CENTURY AGO.

STEEL

Medal, World's Columbian Exposition, 1893.

CRESCEItT STEEL CO. Pittsburg, Pa.
Manufacturers of
TOOL AND DIE STEEL
OF THE FINEST QUALITY

ROCK DRILL STEEL,

POLISHED DRILL RODS AND FINE WIRE, SELF-
HARDENED STEEL, SHEET STEEL for Saws, Knives,
Springs, etc.; SPRING AND MACHINERY STEEL. . .

Die Blocks . . . . .
Milling Cutter Blanks .
Coiled Springs . . . .
Steel Forgings, etc. . .

DENVER, COL.,
NEW YORK, N. Y.,
CHICAGO, ILL.,

1600 17th St. 478 and 480 Pearl St. 64 and 66 So. Clinton St.

When they brought C. H. L. N.
CHASE. MILLAR & SON, Selling Agents, Utica, N. Y.

CAST IRON PIPE
and Specials for Water and Gas.

WHOLESALE EASTERN AGENTS
AKRON VITRIFIED SEWER PIPE.

Manufacturers of
LEAD PIPE,
SOLDER, ETC.
Jobbers of
PLUMBERS’ and
TINNERS’ GOODS

Paul J. Reeves, Son
Philadelphia
Manufacturers of
Phosphor Bronze, Brass, and Babbitt Metals
for General Machine Purposes.

Casting 1/4 pound to 2000 lbs in weight.

Rome Brass and Copper Co.

ROME, N. Y.

MANUFACTURERS OF

Sheet and Bolt Copper,

SHEET BRASS, WIRE, TUBING.

Estimates furnished on Manufactured Articles.

His christening to make.
Cupola Mixtures
For Use in Your Own Foundry to Insure
SPECIFIED QUALITY.

High Transverse Strength and Resilience Economically Attained with Tensile Strength
OF 30,000 TO 40,000 POUNDS,
In Turned Test Pieces,
With or without use of Charcoal Pig Iron.

ADDRESS
ASA W. WHITNEY,
1601 Callowhill Street,
PHILADELPHIA, PENN.

THE ROOT (WATER TUBE) BOILER.

Stands Unrivaled for Safety, Economy and Durability.
Furnishes Dry Steam Rapidly.

ADDRESS
ABENDROTH & ROOT MFG. CO.
28 Cliff Street, New York.

“CAHALL”
VERTICAL WATER TUBE BOILERS.
BABCOCK & WILCOX
HORIZONTAL WATER TUBE BOILERS.

MANUFACTURED BY THE
AULTMAN & TAYLOR MACHINERY CO.
MANSFIELD, OHIO.

SEND FOR ILLUSTRATED CATALOGUE.
CAHALL SALES DEPARTMENT:
Taylor Bldg., New York, N. Y.
Tremont Bldg., Boston, Mass.
Peninsular Bank Bldg., Detroit, Mich.
The Rockery, Chicago.
Oyayoga Bldg., Cleveland, O.
Perin Bldg., Cincinnati, O.
712 Union St., N. Orleans, La.

A scholar of mettle,
Who knows about mines;

They speak for themselves.

Gear Cutters...

Eberhardt's Patent
"New Type," "20th Century" Gear Cutter.

Ohio State University,
Industrial Department
Columbus, Ohio: Sept. 19, 1893

Gould & Eberhardt,
Newark, N. J.

Gentlemen:

We received your Shaper this morning. We are much pleased with its appearance and feel sure that it will prove a very useful tool. Allow me to add, that I think I have never seen a tool with so many novel features for convenience in operating.

Thanking you again for your kindness in this matter, I remain,

Yours very truly,

O. J. Williams

Shapers...


Gould & Eberhardt,
Designers and Builders of High Class Machine Tools, Newark, N. J.

Our Machine Tool Literature will be generously supplied upon request.

To judge by all signs.
AT THE ARMORY.

Col. Commandant: What has thrown your company into such disorder, Captain?
Capt. A.: Please sir, it's the peanut shells the ladies in the gallery are throwing.

Who's fatal to microbes,
To Produce Successful and Modern Steam Engines

thorough technical training, the best mechanical skill, and good business methods are essential.

THE BALL & WOOD CO.

Office: No. 120 LIBERTY ST., NEW YORK.
Works: ELIZABETH, N.J.

J. H. HOUGHTON

Lidgerwood Mfg. Co. HOISTING ENGINES & BOILERS.
Ball Engine Co. HORIZONTAL & VERTICAL ENGINES.

Atlas Engine Works.
PORTABLE & STATIONARY ENGINES.
Corton & Lidgerwood Co. HOUSE HEATING BOILERS.

Wire Rope.
STONE CRUSHERS.
ROCK DRILLS.
BOILERS OF EVERY DESCRIPTION.

201 Congress St., BOSTON, MASS.

And death on all worms.
Buckeye Engine Company
SALEM, OHIO.

HORIZONTAL AND VERTICAL ENGINES

Condensing and Non-Condensing, Simple, Compound and Multiple Cylinder, for all Classes of work.

BOSTON Office: No. 415 John Hancock Building.

---

**HOISTING ENGINES**

For Engineers, Builders, Mines, Furnaces, Pile Driving, Excavating, etc.

- **Durable....**
- **Efficient,**
- **Simple.**
- **300 Styles and Sizes.**
- **Over 12,000 in use.**

**Ridgerwood Manufacturing Co.**
96 Liberty Street, New York.

BOSTON.
CHICAGO.

PHILADELPHIA & ST. LOUIS.

---

The "LINENE" are the Best and Most Economical Collars and Cuffs worn: they are made of fine cloth, both sides finished alike, and, being reversible, one collar is equal to two of any other kind.

They look like linen, and are the only goods that a well-dressed gentleman can wear in place of real linen.

They are not to be washed: all laundry trouble and expense are avoided.

They are perfect fitting, retaining their shape better than any other goods.

A box of Ten Collars or Five Pairs of Cuffs for Twenty-five Cents.

A Sample Collar and Pair of Cuffs by mail for Six Cents. Name style and size.

Address.......
CROSBY Steam Gage and Valve Company.

The Crosby Steam Engine Indicator

Stands unrivalled for Perfection of Design and Workmanship and for the remarkable accuracy of its diagrams.

It is the Standard in Electric Light and Electric Railway Stations.

When required, the Crosby Indicator will be furnished with Sargent's Electrical Attachment, by which any number of diagrams may be taken simultaneously.

Crosby Patent Gage Tester.

This machine is designed and constructed on scientific principles, and is a standard of mathematical accuracy.

Crosby Pop Safety Valve.

Simple in construction and easy of management, a perfect protection against any excess of steam pressure.

Is specially approved by the United States Government.

The Crosby Indicator, together with the Crosby Pop Safety Valve, Water Relief Valve, Muffled Pop Safety Valve, Improved Steam Pressure Gage, Pressure Recording Gage, Safety Water Gage, Revolution Counter, Original Single Bell Chime Whistle, Spring Seat Globe and Angle Valves, Bosworth Feed-Water Regulator, Branden Patent Pump Valve, and many other Specialties used in connection with Steam, Air and Water, are

MANUFACTURED ONLY BY THE

CROSBY STEAM GAGE AND VALVE CO.,

Main Office and Works: Boston, Massachusetts, U. S. A.


Gold Medal, Paris, 1889; Gold Medal and Diploma, Chicago, 1893; Gold Medal and Diploma, Atlanta, 1895.
American

THOMPSON IMPROVED

Indicator.

MORE THAN 10,000 IN USE.

Read the following testimonials from Eminent Engineers who have used this Indicator.

CINCINNATI, O., March 8, 1889.
AMERICAN STEAM GAUGE Co., Boston.

Gentlemen: — I have used Thompson Steam Engine Indicators for fifteen years, in fact, ever since they were first introduced, and have at all times, and under all conditions of engine service, found them entirely reliable. In all my experience I have never had occasion to complain of the manner in which they performed, and if I were buying Indicators to-day I should buy the Thompson.

I do not know that I can express my regard for these invaluable instruments in any stronger language.

Very respectfully,

JOHN W. HILL, C.E.

SIBLEY COLLEGE, CORNELL UNIVERSITY.
ITHACA, N.Y., March 12, 1889.

Gentlemen: — It gives me great pleasure to say that the instruments sent us have proved to be of most excellent quality, and so far as our work has given opportunity to judge, of great accuracy. We have used them on all kinds of work, and at speeds of rotation up to 300, and have found them capable of doing admirably. The finish is excellent, and the sizes and fits all that could be asked. They have been very useful, both in class work and in making engine trials, and eminently satisfactory in all respects. We have had no difficulties with them except such as have come from their use by inexperienced hands. When used for instruction, an occasional accident is to be expected. They have withstood such injuries quite as well as we ought to expect, and have done more work and better work, even in such hands, than I had supposed possible.

Very respectfully yours,

R. H. THURSTON, Director.

EDWARD P. ALLIS Co., RELIANCE WORKS.

MILWAUKEE, Wis., March 14, 1889.
AMERICAN STEAM GAUGE Co., Boston, Mass.

Gentlemen: — I have used all the prominent makes of Indicators, but very much prefer the Thompson, and believe it has more good points and less faults than any other instrument made. The easy changing of springs, good leading pulley for the cord, general convenience in handling, and last, but certainly not least, its ability to stand abuse, are some of the features that commend it to the practical engineer. Yours truly,

IRVING H. REYNOLDS.

CALUMET AND HECLA MINING COMPANY.
Office of the Consulting Engineer.

CAMBRIDGEPORT, Mass., March 6, 1889.
AMERICAN STEAM GAUGE Co.,
36 Chardon Street, Boston.

Gentlemen: — I have to say that after quite an extensive use of the Thompson Indicator, I am persuaded that it is a most excellent instrument, and that my confidence in the same is proven by the orders from time to time sent your company.

Yours truly,

E. D. LEAVITT, Consulting Engineer.

MANUFACTURED SOLELY BY

AMERICAN STEAM GAUGE CO.,
36 Chardon Street, BOSTON, MASS.

New York Branch: 20 Cliff St., New York, N.Y. Western Branch: 25 West Lake Street, CHICAGO, ILL.

He really is not half as
The Lunkenheimer Company

Brass and Iron Specialties

For Steam, Water, Gas, Oils, etc.

Lunkenheimer's Steam Specialties are considered the best of their kind made, and are liberally used and indorsed by intelligent steam users everywhere. None as good as Lunkenheimer's if you want the best. All Goods tested and warranted. Our Catalogue will interest you; gratis upon request.

Headquarters: Cincinnati.

European Store: 35 Great Dover Street, LONDON, S. E.

Warren P. Freeman Co.

Manufacturers of 106 and 108 Liberty Street

Electrical and Mechanical Automatic MACHINERY AND SUPPLIES

NEW YORK.

OF ALL KINDS.

INDIA RUBBER CELLS 6 x 7 x B INCH'S HIGH

Established 1881.

Electrical and Mechanical Engineering.

Black as—his beard.
"The Loss" from Friction with Slide Valves often rises to 25 and even to 50 per cent, and valve stems are often broken. "Thurston on Friction, page 225.

This Loss may be avoided by using ....

The Detroit Sight Feed Lubricators, for lubricating the valves and cylinders of Locomotive Engines, Stationary Engines, Compound and Triple Expansion Engines, Hoisting, Traction, and Portable Engines, Steam Pumps, Gas Engines, Air Compressors, Ice Machines, etc. They have no equal.

More than 300,000 of them are in use in all parts of the world.

Catalogues, prices, etc., furnished on application.

DETOUR LUBRICATOR CO.
DETROIT, MICH.

American Balance Slide Valve.

JOINT WITH CHEST COVER AT TOP OF VALVE IS MADE WITH

Beveled Packing Ring
Self-Supporting & Self-Adjusting.

No Springs. A Discs (or Cones) are bolted or cast solid on valve.

CATALOGUES, BLUE PRINTS, AND FULL INFORMATION CHEERFULLY FURNISHED UPON REQUEST.

Address... JERSEY SHORE, PA., OR
AMERICAN BALANCE SLIDE VALVE CO. SAN FRANCISCO, CAL.

The Bachelder.....

Adjustable Spring Indicator and Ideal Reducing Wheel.

A complete outfit for indicating. No change of spring. Direct connection from indicator to cross-head. Complete, Compact, and Reliable. Always ready for use at any speed or pressure. This instrument received the highest award at the World's Columbian Exposition, Chicago, for convenience, mechanical construction, and accuracy under all pressure.

THE SPENCER DAMPER REGULATOR.
BRISTOL RECORDING PRESSURE GAUGES.
POLAR PLANIMETERS.
INJECTOR BLOWER AND SOOT SUCKER, FOR CLEANING BOILER TUBES.
STATIONARY, SHAKING AND DUMPING GRATE BARS.

THOMPSON & BUSHNELL. 110 Liberty Street, New York, N. Y.

Because his small frailties
LOCKE REGULATOR CO.,
OF SALEM, MASS.,

Commenced the manufacture of Automatic Regulators in 1870, and consequently are the oldest and most extensive manufacturers of this class of steam and water appliances in the world. Large illustrated catalogue mailed free upon application.
GEO. N. SAEGMULLER...

Successor to FAUTH & CO.

Manufacturer of...

Astronomical and Engineering Instruments
Washington, D. C.

We call especial attention to our newly improved Engineers' Transit with bevel limb graduation. This instrument cannot be excelled for accuracy or convenience.

Send for Catalogue...

A. LIFETZ & CO... Cyclotomic Transits
Manufacturers of the
422 SACRAMENTO ST., SAN FRANCISCO, CAL.

I wonder who this maiden is, I've drawn
In moments from a stupid lecture torn?
The bold, frank glance is Edith's, I am sure;
That mouth belongs to Alice, the demure;
The rich, dark hair resembles Anna's, quite;
And Caroline's the shoulders, dazzling white,—
But hush,—I shouldn't like the girls to feel
A simple composite was my ideal!
TECHNIQUE ADVERTISER.

BAKER & CO.

Manufacturers of....

PLATINUM

APPARATUS
OF ALL KINDS FOR
LABORATORY
and CHEMICAL
PURPOSES.

NEWARK, N. J.

J. BISHOP & CO.

Manufacturers of

Hammered Platinum Ware of
all kinds, guaranteed free of
blisters or flaws.

All articles of Platinum remade
or repaired at reasonable rates
and guaranteed. Send for

SUGARTOWN, PA.

hammered Platinum Ware of
all kinds, guaranteed free of
blisters or flaws.

Franklin Educational Company,
HARCOURT STREET, BOSTON, MASS.

Laboratory Apparatus

SOLE AGENTS IN THE UNITED STATES FOR THE SALE OF
NACHET & FILS MICROSCOPES.

These Microscopes surpass all others in definition, and have been adopted by the leading scientific and educational institutions of France. They are now constructed with special reference to the opinions of American scientists, to whom we offer them with entire confidence of their approval.

Attention is invited to two new qualities of MICROSCOPIC SLIDES:

THE FRANKLIN, thin white glass, with ground edges, superior to any ever before shown by us.

No. 4008, medium thick, white glass, ground edges.

$1.00 per gross.

1.00 per gross.

A large stock of other Slides for $0.35 a gross and upward. Platinum Crucibles, wire and foil, at lowest market prices. Logarithm Tables, printed on heavy board, 9 1-2 x 14 1-2 inches, price $0.25. Full line of Forceps, Scissors, Staining Jars, Watch Glasses, Dissecting Sets, Stains, Dyes, etc. Send for catalogue.

FRANKLIN EDUCATIONAL COMPANY.

BOSTON.
FARBNENFABRIKEN OF ELBERFELD CO.

77 William Street, New York.
145 Kinzie Street, Chicago.
68 Batterymarch Street, Boston.
11 North Front Street, Philadelphia.

ANILINE COLORS,
ALIZARINE,
DYESTUFFS.

Sole Importers of the well-known ALIZARINE and direct dyeing BENZIDINE COLORS. Manufactured by Farbenfabriken, vormals Friedr. Bayer & Co., Elberfeld and Barmen, Germany.

Sole Agents of the Hudson River Aniline Color Works, Albany, N. Y.

SPECIALTIES: FAST BLACK FOR WOOL, FAST BLACK FOR COTTON, AND ALSO FOR MIXED GOODS.

Explanatory pamphlet on:

Principal Advantages:

SIMPLICITY—
Three baths.

QUICKNESS—
One to five hours.

CERTAINTY—
Results always same.

NO INJURY

to material.

PERMANENCY—
Color totally removed.

Results Obtainable:

WHITE—
Without tinting.

EFFECT—
No yellowing with age.

MATERIAL—
As strong as before.

SAVING

of time and labor.

SAVING

of freight and storage.

THE ROESSLER & HASSSLACHER
CHEMICAL CO.

OFFICE:
NEW YORK.

Implies its possessor
Wm. Pickhardt & Kuttroff.
BADISCHE ANILIN & SODA FABRIK, SPECIAL PARTNER.

NEW YORK.
BOSTON.
PROVIDENCE.
PHILADELPHIA.
CHICAGO.

Importers of
Aniline and Alizarine Dyes,
and all other Coal Tar Colors.
Technical Chemicals, Liquid Chlorine,
Anhydrous Sulphuric Acid.
Also Fuming, all strengths.

O. S. Janney & Co.
IMPORTERS AND DEALERS IN
INDIGO,
CHEMICALS,
DYE-STUFFS,
ANILINE COLORS,
ETC.

No. 70 Kilby Street, BOSTON.
Nos. 8 and 10 Letitia Street,
PHILADELPHIA.

Cable Address: KLIPSTEIN, New York.
A. B. C. Code used.

A. Klipstein & Co.
124 Michigan Street, Chicago.
122 Pearl Street, New York.
903 Congress Street, Boston.
120 Arch Street, Philadelphia.
And Hamilton, Ontario.

CHEMICALS
ANILINE DYER COAL TAR PRODUCTS

ALPHA NAPHTOL
BETA NAPHTOL
ALPHA NAPHTYLAMINE
BETA NAPHTYLAMINE
METATOLUILLIN-DIAMINE
DIANISIDINE
BETA OXY-NAPHTHOIC-ACID
NITRITE SODA, ETC., ETC.

Is rather a "bird."
EDWIN LISTER, PRES.
W. R. SELBY, 1ST VICE PRES.
R. P. LISTER, 2D VICE PRES.
EDW. LANCASTER, SECY.

LISTER'S
Agricultural Chemical Works
Successors to Lister Brothers.

Sole Manufacturers and Proprietors of all Brands of Lister Bros. Fertilizers.

... Manufacturers of...

Bone Black, Bone Grease, Asphaltum Substitute, Glue, Sulphate Ammonia, Etc.

Principal Office at Works, Newark, New Jersey.

Offices: Chamber of Commerce Building, Rochester, N. Y.; Mann Building, Utica, N. Y.; 403 Exchange Place, Baltimore, Md.; Portland, Me.; 159 Front Street, New York.

Stock Yard: New York, foot 39th Street, North River.

So we won't say a word
Who's married, I hear;

CHASE & BISSELL,
(M. I. T., 1881)
Manufacturing Chemists
(Near Pittsburg.)

Chemically Pure Acids and Salts
For Laboratory and Scientific Purposes.

Our products are now in very general use in the laboratories of the iron and steel works, private individuals, and institutions throughout the country, and have no superior for absolute purity.

Correspondence solicited.

CHIMICALS FOR.

Medicinal, Analytical, and Technical Purposes.

MERCK & CO. NEW YORK.

Cochrane Chemical Co.
85 Kilby Street, Boston.

MANUFACTURERS OF
Oil Vitriol, Sulphate of Ammonia,
Muriatic Acid, Aqua Ammonia,
Nitric Acids, Sulphate of Soda,
Muriates of Tin, Stannate of Soda,
Alum, Chloride Alumina,
Extract of Indigo, Glauber's Salt, Acetic Acid,

Mixed Acids for Nitro Glycerine, Celluloid, etc., and various other Chemicals.

Business Founded 1849.

Works at
EVERETT, MASS.

THE BAKER & ADAMSON Chemical Company,
MANUFACTURERS OF
Chemically Pure
Muriatic, Nitric, and Sulphuric Acids and Ammonia.

Chemically Pure Salts.
Ashless Filter Papers.

EASTON, PENN.

Of his early career.
Marion: "The busy bee improves each shining hour, you know."
Helen: "What B? O, the bootblack, I suppose."

With patience unending,
ALBERT B. FRANKLIN.

APARATUS FOR

Warming and Ventilating

BY STEAM OR WATER.

SHEET METAL WORK A SPECIALTY.

165 and 167 Fort Hill Square,

BOSTON, MASS.

WARREN'S ANCHOR BRAND

Natural Asphalt Roofing

Has had a Test of over 18 Years.

IT IS ON SUCH BUILDINGS AS

Allegheny County Courthouse and Jail, Pittsburg, Pa.
State University Library, Minneapolis, Minn.
Union League Clubhouse, New York.
United Bank Building, New York.
Lucas County Courthouse, Toledo, Ohio.
Home Savings Bank Building, Detroit, Mich.

This Roofing is manufactured from Trinidad Natural Asphalt, and will not dry up and become brittle under exposure to the weather, as coal-tar roofings do. We shall be pleased to furnish samples of our Anchor Brand Asphalt Cement and Felt, that have been in use for over fifteen years and show no signs of deterioration. Send for samples, circulars, specification forms, and estimates on work to

Warren Chemical and Manfg. Co.

75 Fulton Street, NEW YORK, U. S. A.

TRUE MERIT BRINGS SUCCESS!

WE MANUFACTURE ONLY THE

Best Parlor, Barn and Fire-Door

TRACK AND HANGER.

Coburn Trolley Track Manufacturing Co.

HOLYOKE, MASS.

A postal card will get our Catalogue, etc.

The Winslow Brothers Company,

CHICAGO.

MANUFACTURERS

AND DESIGNERS

OF

ORNAMENTAL

IRON BRONZE

and BRASS WORK.

And broad, generous mind.
The Century Dictionary says of Creosote:
"Wood treated with it is not subject to dry rot or other decay."

**Cabot’s Creosote Shingle Stains**

Are Creosote colored to the most beautiful shades of moss green, silver gray, tobacco brown, etc. They are not opaque, like paint, but so transparent that the grain of the wood shows through them. 50 per cent cheaper than paint.

Send for samples on Wood and Color Studies.

**SAMUEL CABOT, Sole Manufacturer,**

70 Kilby Street, Boston, Mass.

Cabot’s Sheathing “Quilt”—deadens sound in floors. Agents at all central points.

The use of the……

**Folsom Patent Snow Guards**

upon slate, shingle, or tile roofs prevents the snow from sliding.

**ROOF SHOWING SNOW GUARDS.**

**TO WHOM IT MAY CONCERN:**

I have often used Folsom’s Snow Guards, because I consider them better than the rail. The former holds the snow where it falls, while the latter makes the snow bank up with the consequent danger of back water and a wet interior.

**F. W. CHANDLER, Professor of Architecture,**

**Mass. Institute Technology.**

**FOLSOM SNOW GUARD CO.,**

178 Devonshire Street, Boston, Mass.

Who to old Alma Mater
So palpably young,
Z stands for “Doc” Ripley’s unknown middle name.

THE WESTON
Standard Voltmeters and
Ammeters.
•• Portable • Accurate • Reliable •

FOR LABORATORY USE.
Our Instruments are RECOGNIZED AS STANDARDS throughout
the civilized world.
WESTON ELECTRICAL INSTRUMENT COMPANY,
114-120 William Street, Newark, N. J.

INSULATED
Wires and Cables

OKONITE
TRADE MARK.

For Aerial, Submarine, and Under-
ground Use.
TRANSMISSION OF POWER, WIRING
BUILDINGS, ETC.

General Offices, 253 Broadway, New York.
WRITE FOR SAMPLES.

Standard Underground Cable Co.

LEAD-COVERED
Cables

Fibre, Paper, Rubber,
FOR TELEPHONE, TELEGRAPH, ELECTRIC
LIGHT AND POWER.
AERIAL, UNDERGROUND, SUBMARINE.

Weatherproof Wire and Cables.
High-grade Rubber-covered Wire.
Conduits Furnished and Installed.
WRITE FOR INFORMATION AND PRICES TO OUR
NEAREST OFFICE.
Pittsburgh     New York     Chicago
St. Louis     Philadelphia

The Standard Open-Circuit Batteries
OF THE WORLD.
Gold Medal and Highest Awards, Paris, 1878 and 1889.
Chicago, 1893.

The batteries bearing the well-known trade mark "Gonda" are, beyond question, the best made in the world, and are everywhere regarded as the standard. Do not be imposed upon by inferior batteries. See that every cell you buy bears the trade mark "Gonda."

THE LECLANCHE BATTERY CO.,
III TO II7 EAST 131ST STREET, NEW YORK.

Is it Zenas, Zerubbabel, Ziph, or Zaanaim?
PATRIDGE & MACULLAR,

Fire
Insurance

59 KILBY STREET,

Eugene E. Patridge. Charles E. Macullar.

The Forbes Lithograph
Mfg. Co. BOSTON, MASS.

Made theAlbertyped
insertsin this
BOOK,
and they
invite the
correspondence
of other College
Annual Editorial
Boards in regard
to the same
class of work.

Ulmer Leather Co.

MANUFACTURERS OF

* PURE OAK TANNED *

Frank Ulmer.
Henry F. Ulmer.

Leather Belting

NORWICH, CONN.

But the first shall be last, as we very well know.
Marlin Rifles are made to give satisfaction.

They are the only Repeating Rifles with Solid Top and Side Ejection. They possess the further advantage of being made in Take-Down form in all the various styles.

The Take-Down Rifle with half octagon barrel, half magazine and pistol grip stock, with rubber butt-plate, is the best balanced and neatest repeating rifle made.

Send for Catalogue to

THE MARLIN FIRE ARMS CO.

NEW HAVEN, CONN.

E. S. RITCHIE & SONS,

Physical and School Apparatus,

Cypress Street, BROOKLINE, MASS.

Apparatus for X-Ray Work, Induction Coils, etc.

About all other subjects don't really know beans.
There's a Richmond in the field.

Rigid Frames, $100.00 and $75.00.
Cushion Frames, $110.00 and $85.00.

HANDSOME CATALOGUE ON APPLICATION.

Richmond Bicycle Co.

RICHMOND, IND.

Eastern Branch: 97 Chambers Street, New York.

But love in the coal-bins of Rogers to lurk.
Bigelow & Dowse Company
229 Franklin Street,
Boston.

New England
and Special Agents,

B & D Special and World

Bicycles

Boylston Cycle Company, 590 Boylston St.,
Boston, Local Agts.

I have never found out what it really IS for.
A Wise Investment
at the Beginning Prevents Dissatisfaction
and Sorrow Later.

The riders of the famous CRIMSON RIM
SYRACUSE WHEEL are a thoroughly
contented and happy lot. A word with
them will prove the truthfulness of our
statement.

There is Joy and Pleasure in the
Crimson Rims.

There is but one Crimson Rim—
it is THE SYRACUSE.

Makers: SYRACUSE CYCLE CO., Syracuse, N. Y.

Metropolitan Agent, C. J. STEBBINS, 103 Reade St., New York.

Technology Co-operative Store, A. D. Maclachlan,
No. 214 Clarendon Street, Proprietor.
Boston, Mass.

Lowest Prices on.....

All kinds of Artists’ Materials,
Engineers’ and Draughtsmen’s Supplies
Students’ Stationery, etc., etc.

As tri-methyl-para-di-sulf-aniline.
VI. Some folks think shocking; but never you mind;

It's a topic that's current, you'll probably find.
The Point...

We are determined to make is to have the "WINDSOR" before every 1897 buyer in the United States. We have renewed contracts with all our former agents; have added nearly 200 more to our list, but still have good territory uncovered.

WE OFFER TERMS THAT OTHERS CAN'T, for reason that our volume of business permits us making more liberal terms than any other high-grade bicycle manufacturers in America. Write at once.

WANTED—AGENT in your locality if there is not one there now. Men of highest commercial standing—wide-awake fellows. Write at once to CHARLES H. SIEG MFG. CO., Kenosha, Wis., U. S. A.

Brass and Copper in Rolls, Sheet, Rods, Tubes and Wire. Brass and Copper Seamless Tubes.

CHARLES H. BESLY & CO.
FINE TOOLS.
Brass and Copper in Rolls, Rods, and Wire. Brazed Tubes in Copper Seamless Tubes and Brass.
Polishers' and Platers' Supplies. CHICAGO, ILL., U. S. A.

Send 5c Stamp for 200 page Illustrated Catalogue.

HELMET BRAND SOLID OIL, The Best Lubricant. PERFECTION OIL CUP For Helmet Oil

That Biology Course should be entered with caution.
You'll find that Course VIII's a delusion and snare,

"THE OLD ORDER CHANGETH GIVING PLACE TO NEW"

Worcester Cycles

Are the Standard of to-day—Munger's art has made them so.

Single Wheels, $100.
Tandems, $150.
We also make good bicycles for $75, $60, $50, $40.
Catalogue free, full of instructive facts.

17 Murray St., New York

Factories:

Unless you're a grind with luxuriant hair.
Royal Worcester Cycles — Light & Rigid
Easy Running
7 Models...

Avoid the advice of a new rider, for he will be prejudiced without knowledge. Make diligent inquiry as to quality. Learn if the Cycle has established a reputation for strength, durability and speed. Don’t hurry; take time and select the best. In the

Worcester Cycles —

every ball in the bearings rolls, reducing friction to the minimum. Its frame is most rigid; the enamel the hardest that can be put upon wheels; and in every feature the Worcester Wheels are unsurpassed for quality.

Send for...
Catalogue

17 Murray St., New York City

Where in profitless musing they pass time away.
A scanty half dozen of bold, desperate men,

This Book is printed and bound by

Frank Wood,
Printer,
No. 352 Washington Street,
Boston.

Telephone, Boston 273.

Prompt Delivery.
Full Count.
Lowest Prices.
Best Work.

Special Attention given to
School and College Work......

Each year muster courage to tackle Course X.
Illustrations in this Book made by

The Boston - Engraving Co.

SUCCESSORS TO

The Boston Engraving and McIndoe Ptg. Co.
The Blanchard & Watts Engraving Co.
Photo-Engraving Dept. of C. J. Peters & Son.

Makers of
High-Grade, Half-Tone and
Line Plates.

50 Hartford and 113 Purchase Sts.
Boston, Mass.

Who learn how to build and to clean out a sewer.
ACCIDENTS WILL HAPPEN
POND'S EXTRACT—The Bicyclist's Necessity.

FOR THE BICYCLE. DON'T RIDE WITHOUT FOR YOU.
A REPAIR KIT.

POND'S EXTRACT is unequalled
for quickly healing all kinds of WOUNDS,
BRUISES, LAMENESS or SORENESS of
MUSCLES, ABRASIONS, RHEUMATISM.

Rub thoroughly with POND'S EXTRACT after
every ride to keep the muscles supple, pliant, strong.
Try POND'S EXTRACT OINTMENT for PILES.

AVOID SUBSTITUTES—Weak, Watery, Worthless.

POND'S EXTRACT CO., 76 Fifth Ave., New York.

The COMPTOMETER Performs all Arithmetical Problems

CONNECTED with accounting and scientific computation at a saving of sixty per cent of time.
It insures absolute accuracy and relieves all mental strain. Foats scattered items just as
well as regular columns. Many, after trying one Comptometer, have purchased two, three, and
four.
Twenty-six used by the Chief Constructors and Computing Engineers of the U.S. Navy
Department. Over two thousand sold.

Price, $125.00 to $350.00.

FELT & TARRANT MFG. CO.,
52 to 56 Illinois Street,

CHICAGO.

Write for Pamphlet.

The subject is rocky, and ought to be hard.
The DROSOPHORE makes a perfect Spinning or Weaving atmosphere in any climate or weather. Any degree of Humidity is obtainable. Will warm the air in cold weather and cool it in hot weather. Purifies the air, and is healthier for the workpeople. . . . .

THE ONLY HUMIDIFIER THAT STOOD THE TEST . . . .

The American Drosophore Co.

WILLIAM FIRTH, Manager.

150 DEVONSHIRE STREET, BOSTON.

The Gold Medal...

Double Nozzle Drosophore

has no wearing parts, uses less water, gives a finer spray and more humidity than any other form of . . . Humidifier.

. . . Atlanta Exposition, 1895 . . .

WILLIAM FIRTH,

Importer of

Textile Machinery

Sole Importer of Hetherington’s Patent Revolving Top-Flat Carding Engines, Combing Machines, Drawing Frames, Roving Frames and Self-Acting Mules.

Also Ramsden Bros. & Stephenson Worsted Machinery, on French and English Systems.

150 Devonshire Street, Equitable Building, Boston, Mass.

Who endeavor to learn how a cruiser’s designed.