

# Technique 1900

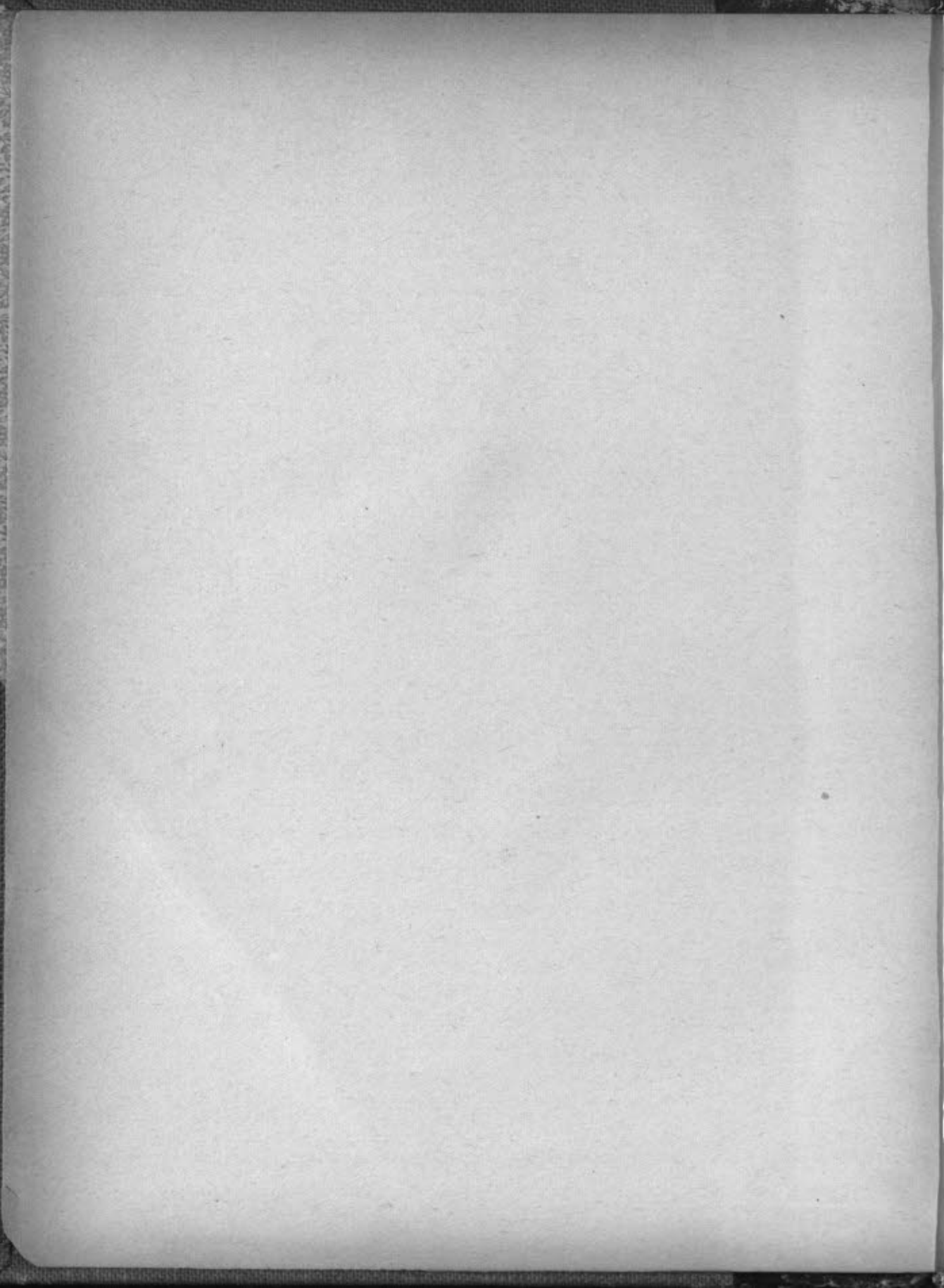


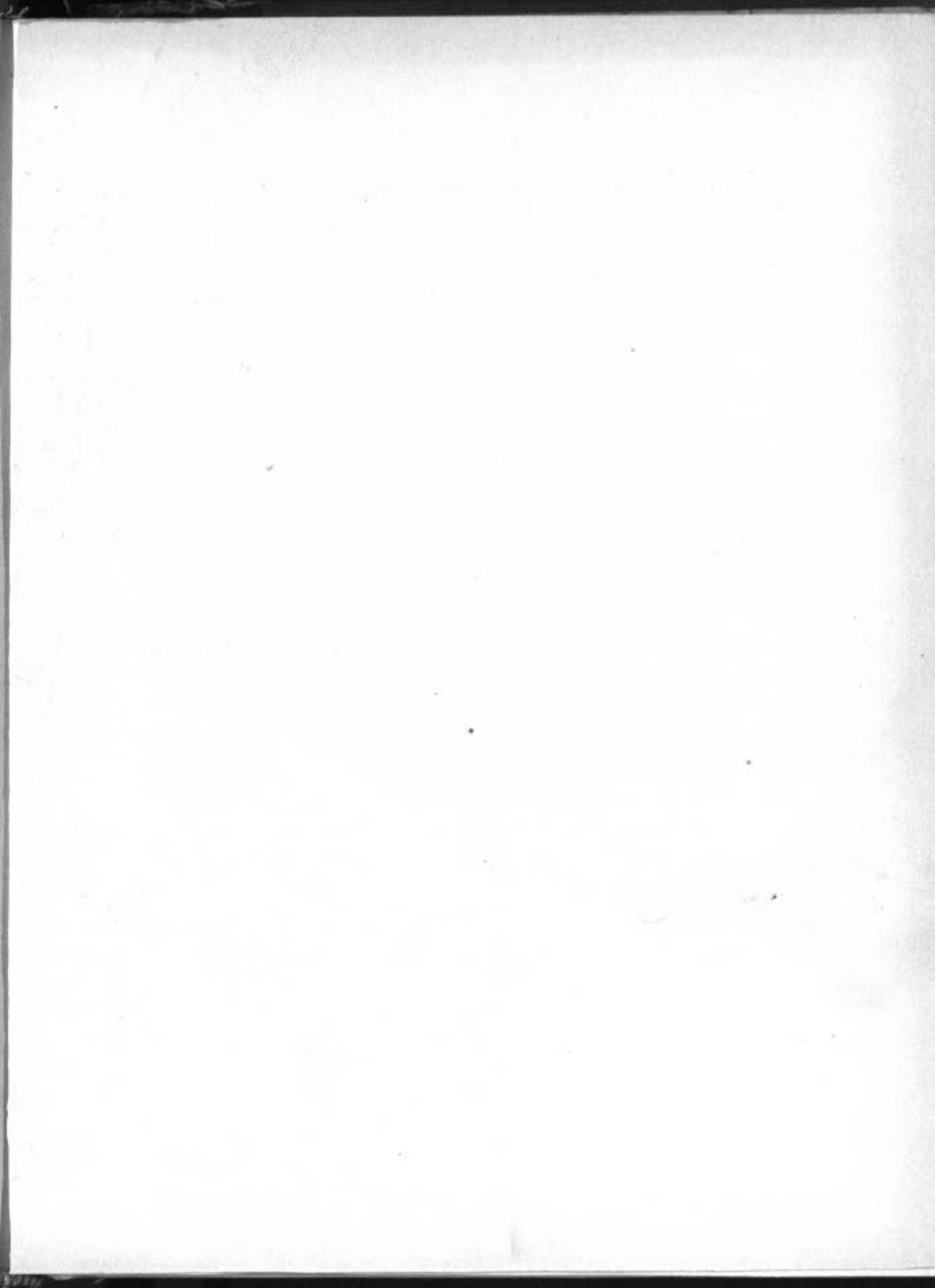


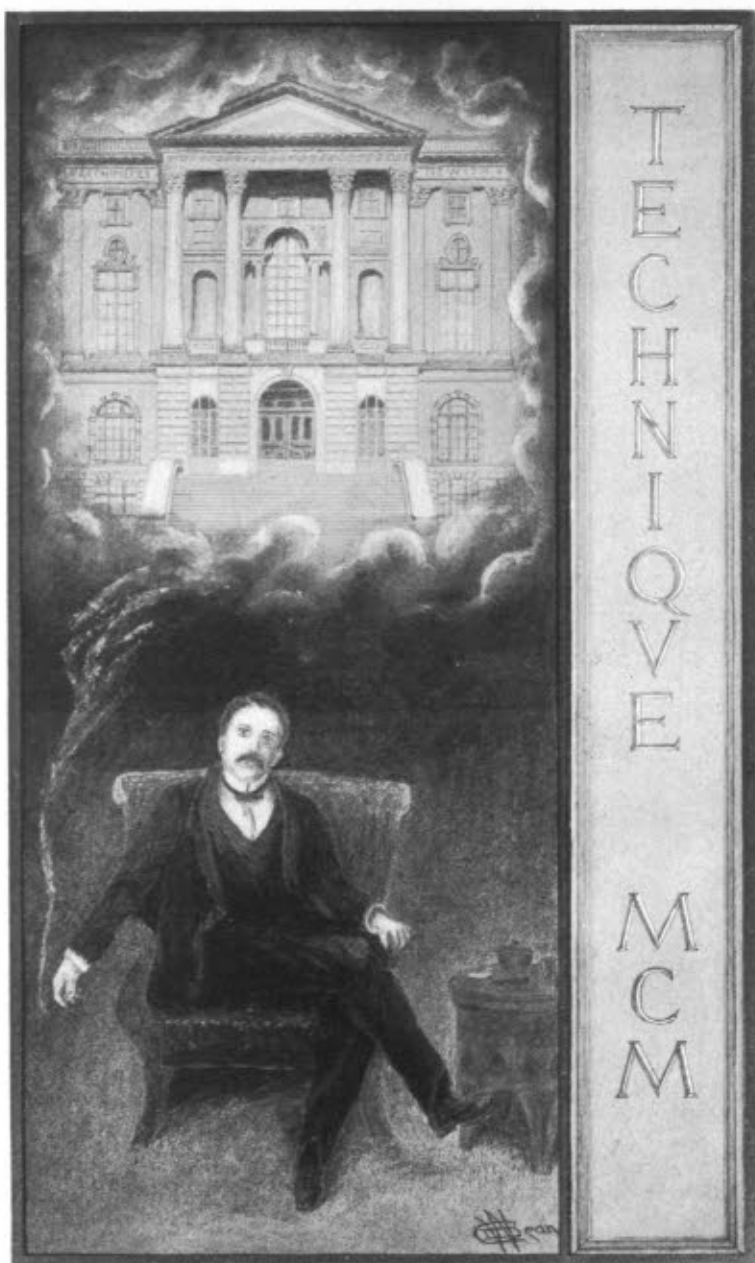
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# TECHNIQUE

PUBLISHED ANNUALLY  
BY THE JUNIOR CLASS OF THE MASSACHUSETTS INSTITUTE  
OF TECHNOLOGY

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CLASS OF NINETEEN HUNDRED  
VOLUME XIV.

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BOSTON, MASSACHUSETTS  
EIGHTEEN HUNDRED AND NINETY-NINE

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THE TECHNIQUE BOARD OF NINETEEN HUNDRED.

FRANK WOOD, PRINTER, BOSTON.

To  
The Massachusetts Institute of Technology,  
this Book,  
in so far as it is representative,  
is loyally Dedicated.



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# GRADING

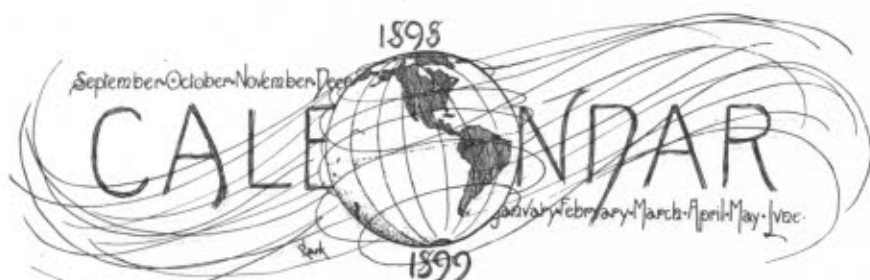


THE Nineteen Hundred TECHNIQUE Board hereby officially announces its willingness to exchange for an honest dollar the fourteenth annual publication of the Junior Class, trusting it may be considered a worthy memorial of the Class, and of general interest to the student body at large.

The loss of a regular room in which to prepare the book, the resignation of Sidney Fuller Ross from the artistic staff, and the protracted illness of Bertram W. B. Greene have so greatly handicapped the Editors that they beg the critics to deal charitably with the mistakes which they may discover. From those who have labored before, the Editors expect that sympathy which is mutual between fellow-workers. To you whose turn has not yet come, profit by our blunders.

Most of those who may find their names among the Grinds will, we are sure, take the allusions in good part; and those who feel that "blood alone can heal their wounds" will be accommodated by our Business Manager, who has arranged with Mr. Herman J. Boos to meet such persons at their leisure and convince them of their error.

In conclusion, the Editors wish to express their heartiest thanks to Dr. Tyler and his assistants, and to the many others whose contributions and valuable suggestions have made the publication of this book possible.



## April, 1898.

9. Civil Engineering Society Dinner, Castle Square Hotel.
16. Sherwood Club Dinner, Young's Hotel.
18. Opening of Junior Week. Vacation.
20. Reception at Technology Club.
21. Junior Promenade, Copley Hall.
21. Technology Theatricals, under management of the Walker Club.
22. Reception by the Editors of *The Tech*, *The Tech* Office.
22. Annual Spring Concert of the Musical Clubs, and Dance, Paul Revere Hall, Mechanics Building.
- TECHNIQUE**, Volume XIII., issued.
23. Champion Handicap Run of the Hare and Hounds Club, Riverside.
30. Class Games, Riverside Recreation Grounds. Championship won by Class of Ninety-nine.

## May.

7. Dual Games with Amherst at Riverside. Technology, 66 points; Amherst, 59.
11. First Race, Mosquito Fleet, M. I. T. Yacht Club, Charles River.
14. Technology Wheelmen, annual election of officers.
14. M. I. T. Yacht Club Dinner, Young's Hotel.
16. Electrical Engineering Society Smoke Talk, Technology Club.
19. Sophomore-Freshman Baseball Game. Won by Class of Nineteen Hundred and One; score, 13-3.
19. Gun Club, annual election of officers.
21. Twelfth Annual Meeting N. E. I. A. A., Worcester.
24. Annual Examinations begin.
- TECHNIQUE** Artistic Staff chosen.

## June.

2. Technology Night at the "Pops."
3. Reception to the Faculty and Senior Class by the Technology Alumni Association Exchange Club.
4. Concert given by Glee and Mandolin Clubs to the Senior Class, Huntington Hall.
4. Baccalaureate Sermon by Rev. Dr. Donald, Trinity Church.
5. Ninety-eight Class-day Exercises, Huntington Hall.
7. Last Undergraduate Meeting of the Class of Ninety-eight.
7. Graduation Exercises, Huntington Hall.
29. Degree of LL.D. conferred on President Crafts by Harvard University.

## July.

28. Summer Cruise of M. I. T. Yacht Club.

## September.

20. Second Entrance Examinations begin.
28. The thirty-third year of the Institute opens.
- President Crafts addressed the Freshmen.
30. Opening meeting of the M. I. T. Y. M. C. A.

## October.

12. Freshmen hold first Class Meeting.
15. Y. M. C. A. Reception to the Class of Nineteen Hundred and Two.
17. Meeting of Graduate Class Secretaries, Technology Club.
20. A. L. Hamilton elected President of Class of Ninety-nine.
24. R. B. Clark elected President of Class of 1901.
25. W. L. Rapp elected President of Class of 1900.
29. Handicap Games, Holmes Field.
31. President Crafts enters rush at Freshman Election.

## November.

1. A. E. Lombard elected President of Class of Nineteen Hundred and Two. The new building was named the Pierce Building.
12. Capt. John Bordman, Jr., assumes command of the Freshmen.
18. A. F. Nathan elected President of the M. I. T. Chess Club.
- C. Howard Walker gave a Smoke Talk, Technology Club.
22. Annual Sophomore-Freshman Cane Rush and Football Game, South End Grounds. Game won by the Freshmen, 11-0. Rush won by the Sophomores, 15 hands to 11.
23. First meeting of the Freshman Orchestra.
- Options I. and II. of Course I. play Football.
- Sophomores show need of a Supreme Court.
27. Architectural Society have a Dinner.

## December.

10. Annual Class Dinner of Ninety-seven, Technology Club.
- First Graduate Dinner of Class of Ninety-eight, Vendome.
14. Annual Winter Concert of the M. I. T. Musical Clubs for the benefit of the Class of Nineteen Hundred
16. Senior Dinner of the Class of Ninety-nine, Vendome. Toastmaster, R. W. Stebbins.
17. Annual Winter Meet of the M. I. T. A. A., Gymnasium.
- 25-26. Christmas Vacation.
30. Annual Dinner of the M. I. T. Alumni Association.
31. Seniors see the old year out.

## January, 1899.

1. First number of the *Technology Review*.
6. Nineteen Hundred Class Picture taken.
7. M. I. T. Yacht Club Dinner, Young's Hotel.
12. First Rehearsal of the Minstrel Show.
13. Annual Election of Officers of *The Tech*.
14. Annual Lunch of the Editors of *The Tech*, Old Elm.
17. Semiannual Examinations begin.
- Annual Meeting of the M. I. T. Y. M. C. A. A. A. Reimer elected President.

## February.

3. Twelfth Annual Banquet of the Northwestern Alumni Association, A la Telephone University Club, Chicago.
7. Second Term began.
18. Dual Relay Team Meet, Technology vs. Dartmouth. Won by Technology. Mechanics Building.
21. Twenty-fifth Annual Dinner of the Class of Seventy-four.
- Architectural Society gave a Dance, Pierce Building.
23. Election of Senior Class-day Nominating Committee.
24. Nineteen Hundred Promenade Committee elected.

## March.

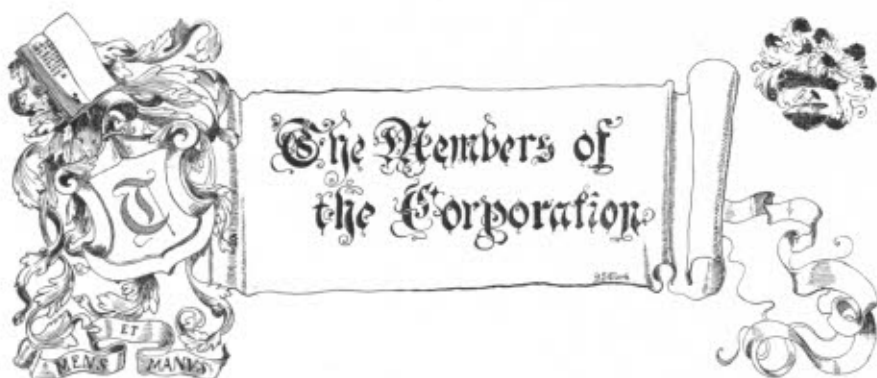
1. Annual Meeting of the Chicago Club.
3. H. D. Jouett elected Captain of Football Team.
4. Dual Relay Team Meet with Columbia. Won by Technology.
7. Annual Meeting of the M. I. T. Tennis Association.
9. Sophomore Class Dinner, Vendome Hotel. Toastmaster, W. T. Aldrich.
10. Junior Class Dinner, Brunswick Hotel. Toastmaster, Lewis Stewart.
- Ninety-nine Class-day Elections began.
24. Freshman Banquet, Young's Hotel. Toastmaster, Charles W. Kellogg, Jr.
31. Annual Dinner of the C. E. Society, United States Hotel.

## April.

1. Chicago Club's Annual Dinner, Castle Square Hotel.
24. Opening of Junior Week.
- Junior Promenade, Copley Hall.
25. Annual Spring Concert of the Musical Clubs, Huntington Hall.
26. Technology Theatricals, under the management of Walker Club.
- TECHNIQUE, Volume XIV., issued.

## May.

12. Minstrel Show, Hollis Street Theatre.



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JAMES M. CRAFTS.

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FRANCIS H. WILLIAMS.

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ROBERT P. BIGELOW.

**Bursar.**

ALBERT M. KNIGHT.



*J. M. Crafts*

JAMES M. CRAFTS, S.B., LL.D., *President.*  
Harvard S. S., '58.

Professor of Chemistry, Cornell, 1868-70; Professor of Chemistry, Massachusetts Institute of Technology, 1870-80 (non resident, 1874-80); Member National Academy of Sciences, 1872; returned from Europe and became a member of the Corporation, 1890; Professor of Organic Chemistry, 1892; appointed President, 1897.

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 published chiefly in the Comptes Rendus of the French Academy of Sciences—many of the papers in collaboration with C. Friedel.

Residence, 59 Marlboro' Street.

# PROFESSORS



*John D. Runkle*

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, 1849-84; Editor Mathematical Monthly, 1858-61; Professor of Mathematics, Massachusetts Institute of Technology, from 1865; Acting President, 1868-70; President, 1870-78.

Author of New Tables for Determining the Values of the Co-efficients in the Perturbative Function of Planetary Motion, the Manual Element in Education (published in Report of Massachusetts Board of Education, 1876-77), a second Paper on same subject in Report of 1880-81, Report on Industrial Education, American Institute of Education (1883), Analytic Geometry, etc.

Residence, 1663 Massachusetts Avenue, Cambridge.



*Geo A Osborne*

GEORGE A. OSBORNE, S.B., *Professor of Mathematics.*  
Harvard S. S., '60.

Assistant Professor of Mathematics, U. S. Naval Academy, 1861-65; Professor of Mathematics, Massachusetts Institute of Technology, from 1866; Secretary of Faculty, 1868-71.

Author of Examples in Differential Equations (1886), Differential and Integral Calculus (1891), etc.

Residence, 249 Berkeley Street.



*Robert H. Richards*

ROBERT H. RICHARDS, S.B., *Professor of Mining Engineering and Metallurgy.*

M. I. T., '68, III.

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

Residence, 32 Eliot Street, Jamaica Plain.



*Wm. H. Niles*

WILLIAM H. NILES, PH.B., A.M., *Professor of Geology and Geography.*

Yale S. S., '67.

PH.B., Yale S. S., '67; A.M., Wesleyan, '69.

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, 1888; President of the Boston Society of Natural History, 1892-97; President of the Appalachian Mountain Club, 1898.

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, 10 Linden Street, Cambridge.



*Chas. R. Cross*

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 in 1882.

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

Residence, Upland Road, Brookline.



*Gaetano Lanza*

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 (1887), 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*

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, 1880-83; Instructor in Civil Engineering, Massachusetts Institute of Technology, 1881-83; Assistant Professor of Civil Engineering, 1883-87; Associate Professor, 1887-88; Professor from 1888; Engineer of Massachusetts Railroad Commissioners from 1887; Member Boston Transit Commission since 1894; ex-President Boston Society of Civil Engineers; ex-President of the Society for the Promotion of Engineering Work.

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

Residence, 435 Marlboro' Street.



*F. W. Chandler*

FRANCIS W. CHANDLER, M. Am. Inst. Arch., *Professor of Architecture.*

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

Author of A Few Hints About Drainage (1888), Construction Details (1892), Notes on Limes, Cements, Mortars, and Concretes (1892); editor of Municipal Architecture in Boston (1898), etc.

Residence, 105 Marlboro' Street.



*Alphonse N. van Daell*

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, 1885-86; Director Modern Languages, Boston High and Latin Schools, 1886-89; 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), Leander'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, La Guerre de l'Indépendance (edited and annotated), etc.

Residence, 105 Irving Street, Cambridge.



*William T. Sedgwick*

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 (1895), 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, 20 Chestnut Street.



*Davis R. Dewey*

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

University of Vermont, '79; A. Ψ.; Φ. B. K.

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

Teacher, Underhill, Vt., 1879-81; 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, 1888-89; Associate Professor, 1889-92; Professor from 1892; Secretary American Statistical Association from 1886; editor of its publications from 1887; Appointed, 1894-95, 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; Member, Department of Statistics, Boston, 1897.

Author of a Syllabus on Political History since 1815 (1887), Syllabus of Lectures on Economic Questions of Commerce (1892), Suicides in New England, associated in Report on Unemployed, Graphic Statistics, reviews, etc., reviews in Publications of American Statistical Association, Report on Charitable Institutions, etc.

Residence, 52 Eliot Street, Jamaica Plain.



*Silas W. Holman.*

SILAS W. HOLMAN, S.B., *Professor of Physics, Emeritus.*

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* (1886), *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 Abbotsford, Brookline.



*Webster Wells*

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 and Solid Geometry*, *Plane and Spherical Trigonometry*, *Logarithmic Tables*, etc.

Residence, Lexington.



*C. H. Peabody*

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, 1884-89; 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* (1889), *Tables of the Properties of Saturated Steam* (1888), *Valve Gears for Steam Engines* (1890), *Steam Boilers* (1897, with E. F. Miller), *Papers to Scientific Societies*, etc.

Residence, 10 Columbia Street, Brookline.



*Harry W. Tyler*

HARRY W. TYLER, S.B., PH.D., *Professor of Mathematics*,  
M. I. T., '84, V.

S.B., M. I. T., '84; PH.D., Erlangen, '89.

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

Author of *Entertainments in Chemistry*, the Application of Determinant Theorems to a Particular Case, *Ueber die Sylvestersche und die Bézoutsche Determinanten*, *Technological Education in the United States*, *The Educational Work of Francis A. Walker*, etc.

Residence, Gray Cliff Road, Newton Centre.



*Arlo Bates*

ARLO BATES, LITT.D., *Professor of English*.

Bowdoin, '76; A. A. P.; P. B. K.

Editor of *Broadside*, 1878-79; editor of *Boston Courier*, 1880-93; Correspondent of *Providence Journal*, *Chicago Tribune*, *Book Buyer*, etc., 1880-93; Professor of English, Massachusetts Institute of Technology, from 1893.

Author of *Patty's Perversities*, *The Pagans*, *A Wheel of Fire*, *Berries of the Briar*, *Sonnets in Shadow*, *A Lad's Love*, *The Philistines*, *Prince Vance*, *Albrecht*, *Book o' Nine Tales*, *The Poet and His Self*, *Told in the Gate*, *In the Bundle of Time*, *The Torch Bearers*, *Talks on Writing English*, *Talks on the Study of Literature*, and *The Puritans*.

Residence, 62 Chestnut Street.



*Despradelle*

D. DESPRADELLE, *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 1889, *Lauréat 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*

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 Institute of Technology, 1883-84; Assistant Professor, 1884-88; Associate Professor, 1888-96; Professor of Mechanism, 1897.

Author of Notes on the Elements of Mechanism (1885), Notes on Gearing (1888), etc.

Residence, 27 Water Street, Arlington.



*Frank Allen*

C. FRANK ALLEN, S.B., M. Am. Soc. C. E., *Professor of Railroad Engineering.*

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

Assistant Engineer, Providence Waterworks, 1872-73; Assistant Engineer, Providence Sewerage, 1873-75; Assistant Engineer, Newton Waterworks, 1875-76; Engineer Inspector, Boston Sewerage, 1877; Assistant Engineer, Atchison, Topeka & Santa Fé R. R., 1878-80; Assistant Engineer, Mexican Central R. R., 1880; Chief Engineer, Las Vegas Waterworks, and general engineering, 1880; Assistant Engineer, Atchison, Topeka & Santa Fé R. R., 1881-84; Secretary of the Society for the Promotion of Engineering Education, 1895-97; President of Massachusetts Highway Association, 1898-99; Vice President Boston Society of Civil Engineers, 1897-99; Vice President of Society for Promotion of Engineering Education, 1898-99; Assistant Professor Massachusetts Institute of Technology, 1887-89; Associate Professor, 1889-96; Professor from 1896.

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

Residence, Vermont Street, West Roxbury, Mass.



*Alfred E. Burton*

ALFRED E. BURTON, S.B., *Professor of Topographical Engineering.*

Bowdoin, '78; A. K. E.; Φ. B. K.

Land Surveyor, 1878-79; Topographical Draughtsman and Topographer on U. S. Coast and Geodetic Survey, 1879-82; appointed Commissioner on Massachusetts Topographical Survey, 1895; in charge of Scientific Expedition to Umanak, Greenland, summer of 1896; Instructor in Topographical Engineering, Massachusetts Institute of Technology, 1882-84; Assistant Professor, 1884-89; Associate Professor, 1889-96; Professor from 1896.

Residence, 60 West Newton Street.



*Dwight Porter*

DWIGHT PORTER, PH.B., 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 Engineering, 1890-96; Professor, 1896.

Author of Flood Discharge from Small Watersheds, Report upon a Sanitary Inspection of certain Tenement-House Districts of Boston, portions 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.



*H. O. Hofman*

HEINRICH O. HOFMAN, E.M., MET.E., PH.D., *Professor of Mining and Metallurgy.*

E.M., Met.E., 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, 1887-88; 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, 1891-98; Professor of Metallurgy from 1898.

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, (1895), Further Experiments on the Fusibility of Fire Clays (1895); The Equipment of Mining and Metallurgical Laboratories (1896); The Production of Illuminating Gas and Coke in By Product Ovens (1898); Modification of Birchof's Method for determining the Fusibility of Fire Clays (1898); Influence of size of Particles on Resistance of Fire Clays to Heat Extremes (1898); The Metallurgy of Lead and the Desilverization of Base Bullion (1893-98), etc.

Residence, Robin Wood Avenue, Jamaica Plain.



*Henry P. Talbot*

HENRY P. TALBOT, S.B., PH.D., *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 1895-98. Professor of Analytical Chemistry, 1898.

Author of Ueber das Verhalten der Tiglinssäure und Angelicasäure 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), An Introductory Course of Quantitative Analysis (1897), and other chemical papers.

Residence, Balcarres Road, West Newton.



*Thomas E. Pope*

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, 1894-95; Associate Professor from 1895.

Residence, Rockland Street, Brighton.



*E. B. Homer*

ELEAZER 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.



*G. Theodore Dippold*

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, 1874-83; 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 1895.

Author of the Great Epics of Mediaeval 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.



*Charles F. A. Currier*

CHARLES F. A. CURRIER, A.B., A.M., *Associate Professor of History.*

Harvard University, '87;  $\Phi$ . B. K.

A.B., Harvard University, '87; A.M., Harvard University, '88; Fellow of Harvard University studying at Berlin and Paris, 1889-91.

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

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

Residence, Winchester.



*Linus Faunce*

LINUS FAUNCE, S.B., *Associate Professor of Drawing.*

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

Draftsman for Superintendent of Bridges, P. C. & St. L. R. R., 1878-79; 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.



*Arthur A. Noyes*

ARTHUR A. NOYES, S.M., PH.D., *Associate Professor of Organic Chemistry.*

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

S.M., M. I. T., '87; PH.D., Leipzig, '90.

Assistant in Analytical Chemistry, Massachusetts Institute of Technology, 1887-88; Instructor, 1890-93; Assistant Professor, 1893-97; Associate Professor of Organic Chemistry from 1897.

Author of a Detailed Course of Qualitative Analysis, Laboratory Experiments on the Class Reactions and Identification of Organic Substances, also numerous articles in Scientific Papers.

Residence, 76 Westland Avenue, Boston.



*Dana P. Bartlett*

DANA P. BARTLETT, S.B., *Associate Professor of Mathematics.*

M. I. T., '86; VI.

Assistant in Mathematics, Massachusetts Institute of Technology, 1886-87; Instructor in Mathematics, 1888-91; Assistant Professor of Mathematics, 1891-98; Associate Professor from 1898; Assistant in Observatory of Harvard College, 1887.

Author of *General Principles of the Method of Least Squares.*

Residence, 486 Columbus Avenue.



*W. O. Crosby*

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.

Author of *Geology of Eastern Massachusetts*, *Geology of the Boston Basin*, *Common Minerals and Rocks*, *Guides to Mineralogy* and to *Dynamical Geology and Petrography*, *Tables for the Determination of Common Minerals*, and numerous papers on the *Geology of New England*, the *Black Hills*, *Cuba*, *Trinidad*, etc.; and on *Joint Structure*, *Faults*, *Origin of Continents*, *Colors of Soils*, *Concretions*, *Drift*, *Ore Deposits*, etc., published in *Proceedings of the Boston Society of Natural History*, *American Journal of Science*, *Geological Magazine*, *Technology Quarterly*, etc.

Residence, 19 Park Lane, Jamaica Plain.



*J. Sondericker*

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 Experiences*, *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.

*Allyn L. Merrill*



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, 1888-92; 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, 9 Beacon Street, Boston.

*Edward F. Miller*



FRANK VOGEL, A.B., A.M., *Assistant Professor of Modern Languages.*

Harvard University, '87; Δ. T.

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; Postgraduate 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 Chamisso's Peter Schlemihl's Wundersame Geschichte.

Residence, 120 Pembroke Street, Boston.

*Frank Vogel*



WILLIAM L. PUFFER, S.B., *Assistant Professor of Electrical Engineering.*

M. I. T., '84, III.

Assistant, Massachusetts Institute of Technology, 1884-86; Instructor, 1886-93; Assistant Professor from 1893; 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.

*Wm. L. Puffer*



FREDERICK H. BAILEY, A.B., A.M., *Assistant Professor of Mathematics.*

Harvard University, '87; Ph. 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.

*Frederick H. Bailey*



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.

*Fred L. Bardwell*



*Augustus H. Gill*

AUGUSTUS H. GILL, S.B., PH.D., *Assistant Professor of Gas and Oil 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," a short *Handbook of Oil Analysis*.

Residence, Canton.



*S. H. Woodbridge*

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.



*H. E. Clifford*

HARRY E. CLIFFORD, S.B., *Assistant Professor of Theoretical Physics.*

M. I. T., '86, VI.; O. E.

Assistant in Physics, 1886-88; Instructor in Theoretical Physics, 1888-95; Assistant Professor in Theoretical Physics from 1895.

Residence, Newton Centre.



*Richard W. Lodge*

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, Ill., 1883-85; Chemist for Sloss Iron and Steel Company, Alabama, 1887; Instructor in Mining and Metallurgical Laboratory of the Massachusetts Institute of Technology, 1889-94; Assistant Professor from 1895.

Residence, 1423 Washington Street, Boston.



*Frederick S. Woods*

FREDERICK S. WOODS, A.B., A.M., PH.D., *Assistant Professor of Mathematics.*

Wesleyan University,  $\Psi$ . T.;  $\Phi$ . B. K.

A.B., Wesleyan, '85; A.M., Wesleyan, '88; PH.D., Göttingen, '94.

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; Assistant Professor, Massachusetts Institute of Technology, from 1895; 1898-99, Lecturer on Mathematics, Harvard University.

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

Residence, 73 Pinckney Street, Boston.



*Theodore Hough*

THEODORE HOUGH, A.B., PH.D., *Assistant Professor of Biology.*

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

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

Residence, 73 Pinckney Street, Boston.



*William Z. Ripley*

WILLIAM Z. RIPLEY, S.B., PH.D., *Assistant Professor of Sociology and Economics.*

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

S.B., M. I. T., '90; A.M., '92, PH.D., '93, Columbia.

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*

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, 1873-75; 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, 23 St. James Avenue.



*Geo. H. Barton*

GEORGE H. BARTON, S.B., *Assistant Professor of Geology.*

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

Assistant in Drawing, 1880-81; Hawaiian Government Survey, 1881-83; Assistant in Mineralogy and Lithology, 1883-88; Instructor in Determinative Mineralogy, 1888-89; Instructor in Geology, 1889-96; 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*

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, 1888-93; Instructor in Highway Engineering, 1893-96; Assistant Professor from 1896.

Author of several articles in *Technology Quarterly*, *An Elementary Treatise on Plane Surveying and Navigation*.

Residence, 60 Webster Street, West Newton.



*Wm H Lawrence*

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.



*Frank A. Laws*

FRANK A. LAWS, S.B., *Assistant Professor of Electrical Measurements.*

M. I. T., '89, VI.

Assistant in Physics, 1889-91; Instructor in Physics, 1891-93; Instructor in Electrical Measurements, 1893-97; Assistant Professor of Electrical Measurements from 1897.

Author of a number of papers on Electrical Measurements, published in the *Technology Quarterly*, *Proceedings of American Academy of Arts and Sciences*, and *Physical Review*.

Residence, Brockton.



*H. M. Goodwin.*

HARRY M. GOODWIN, S.B., PH.D., *Assistant Professor of Physics.*

S.B., M. I. T., '90, VIII.; PH.D., Leipzig, '93.

Assistant in Physics, Massachusetts Institute of Technology, 1890-92; Instructor, 1892-97; Studying at Leipzig and Berlin, 1892-94; Assistant Professor from 1897.

Author of *Laboratory Notes on Physico-Chemical Measurements*; *Some Experimental Researches in Acoustics*, 1890; *Studien zur Voltaische Kette*, 1892; and other papers in scientific journals.

Residence, 232 Townsend Street, Roxbury.



*John O. Sumner.*

JOHN O. SUMNER, A.B., *Assistant Professor of History.*  
Harvard, '87.

Instructor, Massachusetts Institute of Technology, 1894; Assistant Professor from 1897.

Residence, Cedar Square, Roxbury.



*Henry G. Pearson.*

HENRY G. PEARSON, A.B., *Assistant Professor of English.*  
Harvard, '93; O. E.; Φ. B. K.

Instructor, Massachusetts Institute of Technology, 1893; Assistant Professor from 1898.

Author of *The Principles of Composition*.

Residence, Weston, Mass.



- HENRY K. BURRISON, S.B. . . . . *Instructor in Mechanical Drawing.*  
M. I. T., '75, I.  
Residence, 26 Lincoln Park, West Newton.
- ELLEN H. RICHARDS, A.M., S.B. . . . . *Instructor in Sanitary Chemistry.*  
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.
- NATHAN R. GEORGE, JR., A.M. . . . . *Instructor in Mathematics.*  
Harvard, '90; Θ. Δ. X.; Φ. B. K.  
Residence, 18 Cumberland Street.
- WILLIAM LINCOLN SMITH, S.B. . . . . *Instructor in Electrical Engineering.*  
M. I. T., '90, VI.  
Residence, Concord.
- LEONARD M. PASSANO, A.B. . . . . *Instructor in Mathematics.*  
Johns Hopkins, '89.  
Residence, 35 Brunswick Street, Roxbury.
- CHARLES H. L. N. BERNARD . . . . . *Instructor in Modern Languages.*  
Chaptal College, Paris, '77.  
Residence, 214 Columbus Avenue.

- JOSEPH BLACHSTEIN . . . . . *Instructor in Modern Languages.*  
 Realschule erster Ordnung, Hanover, '68; Institution Springer, Paris, '70.  
 Residence, 691 Parker Street, Roxbury.
- WILLIS R. WHITNEY, PH.D.,  
*Instructor in Theoretical Chemistry and Proximate Technical Analysis.*  
 M. I. T., '90, V.; PH.D., Leipzig, '96.  
 Residence, 71 Pinckney Street.
- CARLETON A. READ, S.B. . . . . *Instructor in Mechanical Engineering.*  
 M. I. T., '91, II.  
 Residence, 45 Saunders Street, Allston.
- LOUIS DERR, M.A., S.B. . . . . *Instructor in Physics.*  
 M.A., Amherst, '89, A. T.; S.B., M. I. T., '92, VI.  
 Residence, 83 Centre Street, Brookline.
- GEORGE V. WENDELL, PH.D. (*Absent*) . . . . . *Instructor in Physics.*  
 M. I. T., '92, VII.; A. K. E.
- LÉON E. BERNARD . . . . . *Instructor in Modern Languages.*  
 College, Louis le Grand, Paris, '79.  
 Residence, 335-A Columbus Avenue.
- ROBERT P. BIGELOW, PH.D. . . . . *Instructor in Biology; Librarian.*  
 S.B., Harvard, '87; B. Ø. II.; PH.D., Johns Hopkins, '92.  
 Residence, 72 Pinckney Street.
- BENJAMIN E. CARTER, JR., A.M. . . . . *Instructor in Mathematics.*  
 Harvard, '90.  
 Residence, 415 Broadway, Cambridge.
- FRANK H. THORP, PH.D. . . . . *Instructor in Industrial Chemistry.*  
 S.B., M. I. T., '89, V.; PH.D., Heidelberg, '93.  
 Residence, Oriole Street, West Roxbury.
- CHARLES E. FULLER, S.B. . . . . *Instructor in Mechanical Engineering.*  
 M. I. T., '92, II.  
 Residence, Wellesley.
- WILLIAM A. JOHNSTON, S.B. . . . . *Instructor in Mechanical Engineering.*  
 M. I. T., '92, II.  
 Residence, Belmont.
- CHARLES F. PARK, S.B. . . . . *Instructor in Mechanical Engineering.*  
 M. I. T., '92, II.  
 Residence, Taunton.
- WILLIAM H. WALKER, PH.D. . . . . *Instructor in Analytical Chemistry.*  
 B.S., Pennsylvania State College, '90; Ø. N. E.; Ø. K. Z.; A.M., PH.D., Göttingen,  
 '92.  
 Residence, 292 Marlboro' Street.
- SAMUEL P. MULLIKEN, PH.D. . . . . *Instructor in Organic Chemistry.*  
 S.B., M. I. T., '87, V.; PH.D., Leipzig, '90.  
 Residence, 46 High Street, Newburyport.

- GEORGE W. ROLFE, A.M. . . . . *Instructor in Sugar Analysis.*  
A.B., Harvard, '85; A.M., Harvard, '86; A. T.; II. H.  
Residence, 405 Broadway, Cambridge.
- L. KIMBALL RUSSELL, S.B. . . . . *Instructor in General Chemistry.*  
M. I. T., '86, V.  
Residence, 128 Medford Street, Arlington.
- ERVIN KENISON, S.B., *Instructor in Mechanical Drawing and Descriptive Geometry.*  
M. I. T., '93, II.  
Residence, 27 Russell Street, Malden.
- CHARLES L. NORTON, S.B. . . . . *Instructor in Heat Measurements.*  
M. I. T., '93, VI.  
Residence, 31 Batavia Street.
- KILBURN S. SWEET, S.B. . . . . *Instructor in Civil Engineering.*  
M. I. T., '93, I.  
Residence, 2 Asben Street, Roxbury.
- F. JEWETT MOORE, PH.D. . . . . *Instructor in Analytical Chemistry.*  
A.B., Amherst, '89, X. Φ.; PH.D., Heidelberg, '93.  
Residence, Landseer Street, West Roxbury.
- W. FELTON BROWN . . . . . *Instructor in Freehand Drawing.*  
Residence, 33 Glenwood Street, Roxbury.
- FREDERIC H. KEYES, S.B. . . . . *Instructor in Mechanical Engineering.*  
M. I. T., '93, II.  
Residence, 38 Walnut Place, Newtonville.
- JUSTUS ERHARDT . . . . . *Instructor in Modern Languages.*  
Residence, 314 Columbus Avenue.
- HENRY FAY, PH.D. . . . . *Instructor in Analytical Chemistry.*  
A.B., Lafayette, '89; PH.D., Johns Hopkins, '95.  
Residence, 387 Boylston Street.
- HARRY W. GARDNER, S.B. . . . . *Instructor in Architecture.*  
M. I. T., '94, IV.  
Residence, 109 Corey Street, West Roxbury.
- GEORGE B. HAVEN, S.B. . . . . *Instructor in Mechanical Engineering.*  
M. I. T., '94, II.  
Residence, 77 Humboldt Avenue, Roxbury.
- FRANK P. MCKIBBEN, S.B. . . . . *Instructor in Civil Engineering.*  
M. I. T., '94, I.  
Residence, 466 Massachusetts Avenue.
- JOSEPH W. PHELAN, S.B. . . . . *Instructor in General Chemistry.*  
M. I. T., '94, V.  
Residence, 12 St. James Avenue.
- ALEXANDER W. MOSELEY, S.B. . . . . *Instructor in Mechanical Engineering.*  
M. I. T., '91, II.  
Residence, 59 Pinckney Street.

- WILLIAM J. DRISKO, S.B. . . . . *Instructor in Physics.*  
M. I. T., '95, VIII.  
Residence, 21 St. Botolph Street.
- JAMES F. NORRIS, PH.D. . . . . *Instructor in Organic Chemistry.*  
A.B., Johns Hopkins, '92; PH.D., Johns Hopkins, '95; Φ. B. K.  
Residence, 387 Boylston Street.
- SAMUEL C. PRESCOTT, S.B. . . . . *Instructor in Biology.*  
M. I. T., '94, V.  
Residence, 334 Broadway, Cambridge.
- ARCHER T. ROBINSON, A.B. . . . . *Instructor in English.*  
Harvard, '96, Φ. B. K.  
Residence, 68 Huntington Avenue.
- ARTHUR W. WEYSSE, PH.D. . . . . *Instructor in Biology.*  
A.B., Harvard, '91; A.M., Harvard, '92; PH.D., Harvard, '94.  
Residence, 168 West Brookline Street.
- HARRY C. BRADLEY, S.B.,  
M. I. T., '91, I. *Instructor in Mechanical Drawing and Descriptive Geometry.*  
Residence, 5 Gay Head Street, Roxbury.
- CARL H. CLARK, S.B. . . . . *Instructor in Naval Architecture.*  
M. I. T., '95, XIII.  
Residence, 66 Clifton Street, Roxbury.
- FREDERICK A. HANNAH, S.B. . . . . *Instructor in Mechanical Engineering.*  
M. I. T., '95, II.  
Residence, 146 Massachusetts Avenue.
- CHARLES M. SPOFFORD, S.B. . . . . *Instructor in Civil Engineering.*  
M. I. T., '93, I.  
Residence, 30 Templeton Street, Ashmont.
- CHARLES T. WENTWORTH, A.M. . . . . *Instructor in History.*  
Harvard, A.B., '94, A. M., '95.  
Residence, 68 Wells Avenue, Dorchester.
- RALPH R. LAWRENCE, S.B. . . . . *Instructor in Physics.*  
M. I. T., '95, VI.  
Residence, 34 Summer Street, Dorchester.
- JOHN BORDMAN, JR., LL.B., CAPTAIN M. V. M. . . . *Instructor in Military Science.*  
Harvard, '94.  
Residence, 2 St. Botolph Street.
- FRANCIS HAROLD DIKE, A.B. . . . . *Instructor in French.*  
Columbia, '97.  
Residence, 215 West Canton Street.

# ASSISTANTS



EDWARD M. BRAGG, S.B.	Assistant in Mechanical Engineering.
LEWIS PAUL CHAPIN, Ch.E.	Assistant in General Chemistry.
FREDERICK L. EDMANDS, S.B.	Assistant in Mechanical Drawing.
MYRON L. FULLER, S.B.	Assistant in Geology.
GEORGE L. HOSMER	Assistant in Civil Engineering.
ELBRIDGE C. JACOBS, S.B.	Assistant in Mining Engineering.
WALTER B. RUSSELL, S.B.	Assistant in Mechanical Engineering.
JAMES W. SMITH, S.B.	Assistant in Mechanical Engineering.
PERCY G. STILES	Assistant in Biology.
ROBERT G. VALENTINE, A.B.	Assistant in English.
FRANCIS H. WATTS, S.B.	Assistant in Civil Engineering.
ALPHEUS G. WOODMAN, S.B.	Assistant in Sanitary Chemistry.
OSCAR W. PICKERING	Assistant in General Chemistry.
CHARLES B. BREED, S.B.	Assistant in Civil Engineering.
JOSEPH G. COFFIN, S.B.	Assistant in Physics.
WILLIAM T. HALL, S.B.	Assistant in Analytical Chemistry.
GEORGE M. HOLMAN, S.B., M.D.	Assistant in Biology.
ARELI H. JACOBY, S.B.	Assistant in Industrial Chemistry.
CARLETON S. KOCH, S.B.	Assistant in Mining Engineering.
ALICE G. LORING	Assistant in Architecture.
JOSEPH C. RILEY, S.B.	Assistant in Mechanical Engineering.
EUGENE W. RUTHERFORD, S.B.	Assistant in Mechanical Engineering.
LEWIS J. SEIDENSTICKER, S.B.	Assistant in Oil and Gas Analysis.
HARRISON W. SMITH, A.B., S.B.	Assistant in Physics.
MAURICE DE K. THOMPSON, JR., S.B.	Assistant in Physics.

## Instructors and Assistants in the Mechanic Arts.

THEODORE B. MERRICK	.	.	.	.	<i>Instructor in Woodwork and Foundry Work.</i>
JAMES R. LAMBIRTH	.	.	.	.	<i>Instructor in Forging.</i>
ROBERT H. SMITH	.	.	.	.	<i>Instructor in Machine Tool Work.</i>
FRANK CUSHMAN, JR.	.	.	.	.	<i>Assistant in Machine Tool Work.</i>
JOSEPH A. FRIZZELL	.	.	.	.	<i>Assistant in Woodwork.</i>
JAMES F. LEARY	.	.	.	.	<i>Assistant in Forging.</i>

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## Instructor in Gymnastics.

HERMAN J. BOOS.

## Teachers and Lecturers for the Current Year.

- JOHN ALDEN, S.B., *on Textile Printing.*  
 TRUMAN H. BARTLETT, *on Modeling.*  
 LOUIS BELL, Ph.D., *on the Electrical Transmission and Utilization of Power.*  
 GEORGE W. BLODGETT, S.B., *on the Application of Electricity to Railway Signaling.*  
 JOHN BALCH BLOOD, S.B., *on the Design of Alternating Current Machinery.*  
 HENRY CARMICHAEL, Ph.D., *on Electrolysis of Brine.*  
 S. EVERETT DOANE, *on Incandescent Lamps.*  
 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.*  
 CHARLES D. JENKINS, S.B., *on Illuminating Gas, and on Pottery and Tiles.*  
 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.*  
 EDWARD P. NORTH, *on City Streets and Pavements.*  
 ODIN B. ROBERTS, S.B., A.M., LL.B., *on the Nature and Function of Patents for Inventions.*  
 A. H. SABIN, M.S., *on Paints and Painting.*  
 ALBERT SAUVEUR, S.B., *on Metallography.*  
 TIMOTHY W. SPRAGUE, S.B., *on Electricity in Mining.*  
 FRANK G. STANTIAL, S.B., *on Sulphuric Acid.*  
 JOHN STONE STONE, *on the Application of Electrical Oscillations in Telephony.*  
 ELIHU THOMSON, *on Recent Developments in Applied Electricity.*  
 ROSS TURNER, *on Water Color.*  
 W. LYMAN UNDERWOOD, *on Industrial Biology.*  
 C. HOWARD WALKER, *on the History of Ornament.*  
 GEORGE C. WHIPPLE, S.B., *on the Microscopical Examination of Water Supplies.*  
 C. J. H. WOODBURY, A.M., *on Electricity in its Relation to Fire Risks.*

## Historical Sketch.

### The Massachusetts Institute of Technology.



THE history of the Massachusetts Institute of Technology is the history of an institution that has inaugurated a new epoch in the records of education. Until it was founded, and an example set that has since been followed both in America and in Europe, technical education, as we now know it, did not exist. At that time, with but few exceptions, industries involving chemical or mechanical processes were carried on without any knowledge of the fundamental principles on which they worked. The result was that an infinite amount of inventive genius, capital, and labor were wasted, where a little knowledge of mechanics or of chemistry could have saved them. A few far-seeing intellects, familiar with the mass of scientific discoveries made during the first half of this century, realized how this waste could be obviated, and what a boon it would be to civilization were the discoveries of science to be applied to the arts. The only method by which the desired result could be obtained, was by training a class of men to direct industrial enterprises on scientific principles. As no provision existed for such training in the established educational system of that time, the first step was to organize an institution in which the necessary study and manual work could be performed. Foremost among far-seeing intellects was that of William Barton Rogers; and the institution he founded was the Massachusetts Institute of Technology.



PROF. ROGERS.

Professor Rogers was born on Dec. 7, 1804. He was the second of four sons. His father, Patrick Kerr Rogers, was a physician by profession, but finally became professor of chemistry and physics in William and Mary College in Virginia. On his death, in 1828, William succeeded to the professorship. In 1835 Professor William Rogers resigned his position at William and Mary College to fill the chair of natural philosophy and geology in the University of Virginia. He was soon after appointed director of the Geological Survey of the State. In this capacity he, together with his brother Henry, made studies of remarkable value

of the Appalachian chain of mountains. Professor Rogers was not only a scientist eminent in several branches of knowledge, but also a person of singularly charming manner, and gifted with an extraordinary power of exposition. To these qualities he added a wonderful power of interesting his hearers, and of awaking their sympathies and enthusiasm. His scientific researches were never carried on for selfish ends; he sought the good of humanity, and it alone. Such was the man who was to become the founder of our Alma Mater.

Although Professor Rogers was the founder of the Institute, the possibility of its existence was probably first suggested by a letter from his brother Henry, who, in March, 1846, when the letter was written, was lecturing at the Lowell Institute in Boston.

"But I have to speak of another interesting matter," Mr. Henry Rogers writes. "Mr. Lowell [the trustee of the Lowell Institute], with whom I have been talking, after mentioning the feature in the Lowell will which enjoins the creation of classes in the Institute to receive exact instruction in useful knowledge, requested me to give him in writing the views I had just been unfolding of the value of a school of arts as a branch to the Lowell Institute. . . . His [Mr. Lowell's] plan would be to teach the operative classes of society,—builders, engineers, practical chemists, manufacturers, etc. . . . If you and myself could be at the head of this polytechnic school of the useful arts, it would be a far pleasanter task for us than any college professorship. . . . At no distant day, if not indeed soon, Mr. Lowell will, I hope, organize such a branch in his Institute; and if he does not, you and I can surely get one founded here by going about it in the right way. . . . Give me your ideas [on the subject of a School of Arts] in a letter, however hastily expressed, as soon as conveniently practicable. . . ."

In answer to the request contained in the above letter, and in order to help his brother Henry draw up a memorial to Mr. Lowell, Professor Rogers made a plan for a polytechnic school in Boston. In it he insisted strongly on the necessity of an institution in which were taught the scientific principles that are the foundation of all the arts.

The idea of a polytechnic school in Boston was from this time never wholly absent from Professor Rogers's mind. Two facts helped him to keep the prospective school in his thoughts. For some years before this time he had become impatient of the routine surrounding a professor in the University of Virginia; he was also very desirous of being with his brother Henry, to whom he was much attached. Thus he thought considerably

\*"Life and Letters of William B. Rogers," edited by his wife. Houghton, Mifflin & Co., 1896. Vol. I. p. 257.

over his brother's project, hoping that together they might organize a school like that described in the "Plan" should Mr. Lowell not do so. As it happened certain provisions in the will of the founder of the Institute did not allow the funds to be used for such a purpose, so that Professor Rogers felt that if a school was to be organized it was for him to act in the matter.

In 1853 Mr. Rogers resigned his professorship and removed to Boston, where he soon became well known. His charming personality quickly drew about him several eminent business men whom he interested in his projects. He asked their advice and assistance in practical matters, and appealed to their public spirit to help him in his great enterprise. Their interest once secured, the next step was to obtain a charter and grant of land from the Legislature.

In 1859 the Governor of Massachusetts suggested that the proceeds of the "new land," which had just been made in the Back Bay, should be expended on public educational improvements. At this hint several associations devoted to the industrial arts and sciences united to petition the Legislature for "a reservation of State land in the Back Bay for a Conservatory of Art and Science." The request was refused. Mr. Rogers took but little part in this petition.



ROGERS BUILDING IN 1875.

In 1860 another attempt was made with the Legislature, and Mr. Rogers wrote a "Memorial" to that body on behalf of a committee of the "Associated Institutions of Art and Science." The "Memorial" requested a grant of land in the Back Bay for the use of the four departments represented in the committee; namely, (I.) Agriculture; (II.) Natural History, Geology, and Chemistry; (III.) Mechanics, Manufactures, Commerce, and Technology in general; (IV.) Fine Arts and Education. The memorial further suggested that courses of public lectures should be established, "which, while aiming at a familiar exposition of science and the arts, would exhibit in practical operation by working models or otherwise the more important discoveries and inventions as they arise." "This memorial

must be regarded as foreshadowing the establishment not only of the Massachusetts Institute of Technology, but also of that noble group of buildings now occupied by the latter, by the Boston Society of Natural History and by the Boston Museum of Fine Arts, as well as, more indirectly, Trinity Church and the Boston Public Library; all in the vicinity of Copley Square, which has become a center of the intellectual life of the modern city.\*

This "Memorial" also was refused; but every effort was made to secure the grant of land at the next meeting of the Legislature. Mr. Rogers was chairman of the committee intrusted with the work of obtaining the grant; and it is evident that he never ceased to think of the prospective polytechnic school in connection with the work of his position. In a letter to his brother Henry, dated Boston, May 29, 1860, he writes:—

" . . . Among our present purposes is that of framing a plan for a Technological department, with which some of our men, as Erastus Bigelow, Ignatius Sargent, etc., think they can secure a subscription of \$100,000 from the manufacturers and merchants; and that being assured, we can come before the Legislature with an irresistible claim."†

The plan referred to was written by Mr. Rogers, and entitled, "Objects and Plan of an Institute of Technology, including a Society of Arts, a Museum of Arts, and a School of Industrial Science, proposed to be established in Boston." This he submitted to the Committee of Associated Institutions of Science and Art, which had been twice disappointed in their efforts to secure a grant of land on the Back Bay. It was subsequently accepted by the general committee. The present Institute of Technology is based upon this document.

The "Plan" was read at a "public meeting of gentlemen interested in the subject," held on Oct. 5, 1860, at the rooms of the Board of Trade. The pamphlet was then distributed through the city and state among persons who were thought likely to be interested in it. The large number of letters written to Professor Rogers approving of the plan shows that his scheme was heartily welcomed by the community.

Another meeting was called by the general committee on Jan. 11, 1861, in order to effect a preliminary organization of the Institute. Those only were invited to whom the "Plan" had been sent. At this meeting a preliminary organization was established by the adoption of a form of association, in which it was stated that the association was for the purpose of endeavoring to organize and establish in the city of Boston an institution for promoting the Industrial Arts and Sciences and Practical Education, to be called the "MASSACHUSETTS INSTITUTE OF TECHNOLOGY," and to embrace

\* "Life and Letters." Vol. II. p. 34.

† "Life and Letters." Vol. II. p. 3.

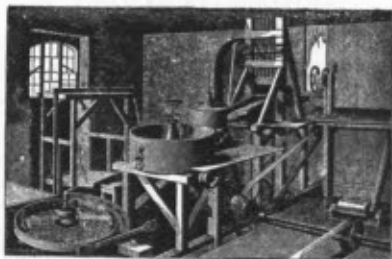
a Society of Arts, a Museum of Arts, and a School of Industrial Science, as set forth in the committee's report. A committee of twenty was appointed—to which Professor Rogers was afterwards added as chairman—to represent the association, to obtain an act of incorporation for the Institute, a grant of land on the Back Bay for its use, and to frame a constitution and by-laws for its government. The application, written by Professor Rogers, for an act of incorporation and a section of land on the Back Bay had already been made in November, 1860.

When the Legislature assembled in 1861 the Committee of the Associated Institutions made a fresh appeal to that body. This memorial requested a charter and corporate existence for the Massachusetts Institute of Technology, and a portion of the Back Bay lands. The application was supported by petitions from the Board of Trade, the American Academy, the Boston Society of Natural History, the New England Society for the Promotion of Manufactures, and the State Teachers' Association. It was evident that the scheme of Professor Rogers and his friends had awakened great interest.

The plans for the Institute were laid before a committee of the Legislature. While that body was debating upon them strenuous efforts were made by Professor Rogers and those interested in the scheme to get the committee's report and bill through the Senate, where was expected the greatest opposition. Two hearings were held before the Committee of the Legislature on Education, the first addressed by Professor Rogers, the second by Mr. E. B. Bigelow and Mr. M. D. Dross. The "Report of the Joint Committee of the Massachusetts Legislature of 1861 on the Memorial of the Associated Institutes of Science and Art" was prepared by Professor Rogers, and recommended that the requests presented in the Memorial be granted, with the exception of the application of the Horticultural Society, which the report dismissed.

"The 'Act to Incorporate the Massachusetts Institute of Technology' was approved by the Governor (John A. Andrew) on April 10, 1861. The only important opposition to the Act (which included a grant of land subject to the fulfilment by the Institute of certain conditions) had come from the friends of the School Fund, which, by previous legislation, was to benefit by the sale of the Back Bay lands, and might, therefore, conceivably be injured by a gift of any portion of these, as contemplated in the Act proposed."\*

\*"Life and Letters." Vol. II. p. 77.



THE OLD MINING LABORATORY.

The scheme of the Institute of Technology was already exciting great interest in Boston and in its neighborhood, and even as far from the center of its agitation as New York. It was warmly supported by several eminent Harvard professors. Governor Andrew was one of its firmest friends. That the intellectual public approved of it is shown by many newspaper articles of the time, and by the numerous letters written to Professor Rogers congratulating him upon his plan and upon the passage of the Act through the Legislature. The *New York Tribune* stated that, in furtherance of a similar plan on a larger scale, a bill had been presented to the Legislature in Albany asking for a charter and liberty to build in the great Central Park, in connection with the zoölogical and botanical gardens, which were about to be established there. It is most probable that had it not been for the practical purpose of the plan of the Institute it

would never have met with public favor, but it had in it that utilitarian element which always appeals to the American citizen.

Professor Rogers had now obtained a charter and grant of land, and had also greatly increased public interest in his undertaking. The next step was to obtain the necessary funds. His course was, however, interrupted by the boom of the guns of



WALKER BUILDING AND ROGERS BUILDING AT THE PRESENT TIME.

Fort Sumter, which turned all thoughts toward national affairs. Professor Rogers had intended to enter upon plans for the collection of funds as soon as the bill had been signed by the governor, but he considered it better to wait until such time as the public mind could spare some leisure from thoughts of war. He contented himself with giving in January, 1862, a course of lectures on the applications of science to the arts.

The first sounds of war had prevented Professor Rogers from carrying out his plans for the collection of funds, and it might have been thought that as this part of his work was interrupted, he could have put aside the anxieties of the Institute, and have taken a much-needed rest; but such

was not the case. A condition of the Act of Incorporation was the raising of a guarantee fund of \$100,000 within one year. In March, 1862, Professor Rogers became anxious about this condition, as the money was not yet raised. Not a moment was to be lost in petitioning the Legislature for an extension of time. The members of the Institute met on April 8 in the rooms of the Board of Trade in the Merchants' Exchange Building. The charter made by the Committee of Twenty was adopted, a new organization was made, the by-laws accepted, and officers chosen. The first annual meeting was appointed for May 6, 1862. It was also voted that the Institute petition the Legislature for an extension of time.

A few days later Professor Rogers was formally notified that he had been elected first President of the Institute.

The following is the account of the first annual meeting of the Institute, that appeared in the *Boston Transcript* of May 14, 1862, written by Professor Rogers:—\*

MASSACHUSETTS INSTITUTE OF TECHNOLOGY.—The first annual meeting of the Institute was held on Tuesday, May 6th, at the Rooms of the Board of Trade, Professor Rogers in the chair. The officers and government, chosen at the preliminary meeting four weeks before, were re-elected to serve for the ensuing year. Among the items of business transacted were the acceptance of the amendment to the Act of Incorporation, granting the Institute an additional year for raising the prescribed fund, and the adoption of measures for securing a hall for the regular meetings, hereafter to be held on Tuesday evenings once every two weeks.

In the course of the proceedings the Treasurer, Mr. C. H. Dalton, made the gratifying announcement that he had recently received from the Hon. William Minot, as trustee of the estate of the late Miss Sarah Townsend, the sum of three thousand dollars for the use of the Institute.

It is satisfactory to know that the Institute is duly organized, and that it is zealously endeavoring to bring into operation its threefold plan of a Society of Arts, a School of Industrial Science, and a Museum of Technology. As a Society of Arts, it is expected that its meetings will elicit much useful information and discussion on subjects of practical and industrial science, including a multitude of topics of interest to the general public, as well as to the manufacturer, mechanic, engineer, merchant, and farmer.

These meetings will, doubtless, in process of time, become an accepted medium for the communication of new ideas and applications in the practical sciences, whether originating at home or abroad, and by the stimulus as well as by the information they impart, cannot fail to co-operate with the other departments of the Institute in guiding and elevating our industrial pursuits.

The first public meeting of the Institute as a scientific organization was held on Dec. 17, 1862. This was a meeting of the Society of Arts, the only one of the coördinate branches of the Institute then existing. Several papers on applied science were read. After this first meeting

\* Quoted in "Life and Letters." Vol. II.

others were held regularly twice a month. This Society still forms a branch of the Institute. It "aims to awaken and maintain an interest in the practical applications of the sciences, and to aid in their advancement. Meetings are held semimonthly from October to May, at which reports of inventions, discoveries, and matters of scientific and technical interest are presented. Graduates of the Institute and other persons interested in the aims of the Society are eligible to membership, and its meetings are open to students." \*

As yet the Society of Arts was the only one of the three proposed branches of the Institute which it had been possible to organize. Both the other branches required funds for their establishment, and money was hardly to be looked for at a period when national energy and wealth were spending themselves on the battlefield. In spite, however, of the unfavorableness of the times, some progress was made toward securing financial foundations for the Museum and School of Applied Science. A letter † written by Professor Rogers to Governor Andrew, in December, 1862, gives the following account of the financial history of the Institute up to that time:—

We have, as you already know, the formal assurance of a bequest of \$50,000 from Mr. Ralph Huntington, for building and other purposes, and of the income of at least an equal amount from the fund of the Lowell Institute, to be applied exclusively to the active operations of the School of Industrial Science, and besides these prospective contributions the Institute has received in hand the sum of \$3,000 from the estate of Miss Townsend. Such, up to the present time, is the financial history of the Institute.

This account of Institute finances seems as promising as could have been expected, considering the state of the country at that time. Still, the funds were far below even bare necessities when we consider a serious difficulty which presented itself for the second time in the hard though glorious path up which Professor Rogers had chosen to climb. The time given the Institute in which to raise the guarantee fund of \$100,000 was again drawing to a close; in March, 1863, the Finance Committee of the Institute was, therefore, forced to issue appeals for contributions. Aid was, however, soon to come from a powerful source.

"The Thirty-seventh Congress of the United States had passed, during its second session, an important 'Act donating Public Lands to the several States and Territories, which may provide colleges for the benefit of Agriculture and the Mechanic Arts.' It was estimated that the sum which Massachusetts might hope to receive from the sale of its share (360,000 acres) would amount to nearly half a million dollars." ‡ The matter of

\* M. I. T. Catalogue, 1898-99.

† "Life and Letters." Vol. II. p. 145.

‡ "Life and Letters." Vol. II. p. 140.

the land "had been referred, along with that portion of the message dealing with the same, and with the Society of Natural History and the Institute of Technology, to a joint special committee of the Legislature of 1863. The Report of this committee is a long and valuable document (Senate, No. 108, 1863), and at the end recommends that, after reserving one tenth of the expected income for the purchase of lands for an Agricultural College, one third of the remainder shall be paid to the Institute as a College of Mechanic Arts. This Report was a powerful aid to the Institute, then struggling to complete its guaranty fund. The latter was finally raised in time to fulfill all requirements by the aid of Henry B. Rogers, Esq., Nathaniel Thayer, Esq., and especially of Dr. Wm. J. Walker, of Charlestown."\*

Three tenths of the proceeds of the public lands granted by Congress to Massachusetts, for the promotion of education in agriculture and the mechanic arts, were appropriated by the Legislature to the active operations of the Institute. The other seven tenths were



THE NEW GENERAL LIBRARY IN ROGERS BUILDING.

given to the formation and endowment of an Agricultural College as an entirely distinct institution. The only condition accompanying the grant to the Institute was that the Chief Justice of the State, the Secretary of the Board of Education, and the Governor should be *ex-officio* members of the government of the Institute. At last the guarantee fund had been raised.

The Massachusetts Institute of Technology had now a charter, a grant of land and funds, and the Society of Arts had been successfully established. The School of Industrial Science—the branch of the Institute destined to outgrow the others, and to become its leading feature—and the Museum had not, however, as yet been organized, and it was to them that Professor Rogers now turned his attention. In May, 1864, he was busy planning the building for the School of Industrial Science. At this time it was intended to use part of the construction for the Museum; still,

\*"Life and Letters." Vol. II. p. 155.

Professor Rogers was already looking forward to the erection of a second building, which should be used especially for the Museum.

The first building of the Institute, that now known as Rogers, was begun in the early part of 1864, and Mr. Rogers felt that the Institute was ready to begin its operation as a School of Industrial Science.

In order to collect a suite of models of the elements of machinery, and of works of civil construction for the Museum, and also to examine foreign lecture rooms and laboratories, Professor Rogers sailed for Europe in June, 1864. He did not bring back as much material for the Museum as he expected, on account of the exorbitant rate of exchange then existing; but he doubtless gleaned much from his observations in the scientific institutions of France, England, and Germany.

Upon Professor Rogers's return, though the new building was not yet completed, it was decided to open the School of Industrial Science in the

rooms of the Society of Arts. A preliminary course was, therefore, inaugurated Feb. 20, 1865. It was attended by fifteen students. The number increased, however, to about twenty-five before the end of the four months, during which the course lasted.

Meanwhile plans for opening the first regular session of the School of Industrial Science were being



SENIOR ARCHITECTURAL DRAWING ROOM IN PIERCE BUILDING.

matured, and the time soon came for sending out the formal announcements of its opening. This notice read as follows:—

#### MASSACHUSETTS INSTITUTE OF TECHNOLOGY.

##### SCHOOL OF INDUSTRIAL SCIENCE.

The regular courses of this Institution will be opened on Monday, October 2, and be continued without interruption through a period of eight months. Applicants for admission into the first year's course should be familiar with the subjects usually taught in our English schools, including expertness in the leading rules and processes of Arithmetic and a ready use of the pen. They should, moreover, be familiar with the elementary operations of Algebra, and have a clear knowledge of the earlier theorems of Plane Geometry.

There will be no formal or extended examination, and no classification of candidates prior to admission into the first year's course, but all such students will be required to pursue their studies in common, until the *first stated examination* (in November), after which they will be classified into an upper and a lower section, according to the preparation and aptitude shown by them in this and in their daily examinations.

Candidates for admission into the second year's course will be expected to be familiar with Algebra so far as treated in the ordinary text-books, excepting the general theory of equations, and with Geometry and Plane Trigonometry in general, as well as the application of the latter to the similar class of problems. They must also be acquainted with the elements of Physics and Chemistry, and have made some progress in Free and Geometrical Drawing and in the rendering of French into English prose.

Students who, from unequal preparation in different departments, could not profitably enter all the classes of the second year will be allowed, after due examination, to enter partly on the first and partly on the second year's course, and they, as well as all other students, may in the progress of the session be advanced to a higher or remitted to a lower class of studies, according to the results of the daily and stated examinations.

Students not intending to take an entire course may enter any one or more of the scientific departments on giving suitable evidence of preparation for the same.

The fee for the entire course, either of the first or of the second year, will be one hundred dollars, payable one half at the time of matriculating, and the other during the first week of February following.

Students desirous of entering the school are requested to call at the office of the Institute, No. 1 Mercantile Building, 16 Summer Street, Boston, between 11 A. M. and 1 P. M., on or after September 20, for conference with one or more of the Professors.

A detailed programme of the organization, and the regular courses of the school for the whole four years, as well as of the evening courses, will soon be ready for distribution.

WILLIAM B. ROGERS,  
*President Massachusetts Institute of Technology.*

INSTITUTE'S ROOMS, September 1, 1865.

The students were about seventy in number. Work was begun in the rooms of the Society of Arts, as the new building was not then ready.

The second regular session of the School of Industrial Science opened most auspiciously, with one hundred and thirty-seven students, in September, 1866. Unfortunately two facts threw a shadow on the good prospects. The first was the financial condition of the Institute; the second, and most important, an illness of President Rogers. With regard to the first, a "large and costly building had been begun in 1864, at an estimated expense of \$157,000. It was to be ready for use in the autumn of 1865. In point of fact it proved much more expensive than had been estimated, and was not completed for a year after the appointed time. Much of the spring had been spent by Mr. Rogers in endeavoring to raise funds to furnish the building."\* And even in the autumn there was cause for great anxiety.

\* "Life and Letters." Vol. II. p. 264.

With regard to the second fact, Professor Rogers had been taken seriously ill. Leave of absence was granted him by the government of the Institute, and Professor Runkle became President *pro tempore*.

In May, 1870, Professor Rogers, owing to his continued ill health, resigned his position as President of the Institute, to the great grief of the Faculty. At the same time he recommended Professor Runkle as his successor; and the latter was duly elected in the following October to the office he had temporarily filled for the past few months.

Even had Professor Rogers been in good health, he could certainly have permanently resigned at this time with a clear conscience. The School of Industrial Science had now been most successfully organized; and its first graduates had already set out into the world, living proofs of the advantages of the new education. It is true that the financial conditions of the Institute were far from being all that could be desired; but otherwise the young school was doing better than even the most sanguine nature could have expected. The number of students had risen from twenty-seven, in 1865, to two hundred and twenty-four, and was shortly to rise to three hundred and forty-eight, in 1872. The trustee of the Lowell Institute had established soon after the organization of the School of Industrial Science free evening lectures on scientific subjects. These lectures were to be given by members of the Faculty. This had been the first step toward the close connection between the Lowell Institute and the Institute of Technology that has since existed.



PROF. RUNKLE.

In 1872 the Lowell Free School of Industrial Design was established, at the expense of the Lowell Institute, for the purpose of cultivating the taste of those who wished to make patterns for textile and other fabrics.

After the successful foundation of the School of Industrial Science was, however, to come a period of financial depression which nearly led to the abandonment of the undertaking. The financial crisis of 1873 soon made itself felt in Institute affairs, causing great anxiety to its President and to Professor Rogers. The Finance Committee recommended to the Corporation that steps be immediately taken to cancel the indebtedness of the Institute. The Corporation suggested that the salaries of the officers of instruction might be reduced, or the instructing force decreased and the work redistributed. The committee voted not to reduce the salaries, but a committee was appointed to see whether one or more chairs could be abolished.

As far as the students were concerned the success of the year 1873 was greatly marred by too restricted space. At that time but one chemical

laboratory existed at the Institute. This was situated in the basement of Rogers Building, so that the unpleasant odors arising therefrom pervaded all the other rooms. It was, therefore, proposed to build a special construction for the laboratory during the following year. The site for this new erection was to be on the Institute square.

The new building was finished in 1875-76. It contained the woman's advanced chemical laboratory,—built by request of the Woman's Educational Association of Boston,—the microscopic and spectroscopic laboratory, and the organic chemical laboratory. As by a condition of the grant of land to the Institute not more than one third of the ground granted shall be covered by buildings, this laboratory had to be removed when the Walker Building was constructed eight years later.

By the requirements both of an Act of Congress in 1862 and of the General Court of Massachusetts in 1863, military instruction must be given at the Institute. As the want of a drill hall had been greatly felt, a building had been erected during the summer of 1874 containing a place suitable for drilling; and as the government of the Institute considered that many of the students did not obtain enough exercise, and that the cold lunches that a large number brought with them were undesirable, some movable gymnastic apparatus were placed in the hall, and a lunch room was introduced.

"In June, 1876, a detachment of students from the Institute visited the Centennial Exhibition in Philadelphia, going as cadets under Lieutenant Zalinski, their instructor in Military Science, and living in camp near the buildings of the University of Pennsylvania. The camp was named 'Camp W. B. Rogers.'"<sup>\*</sup>

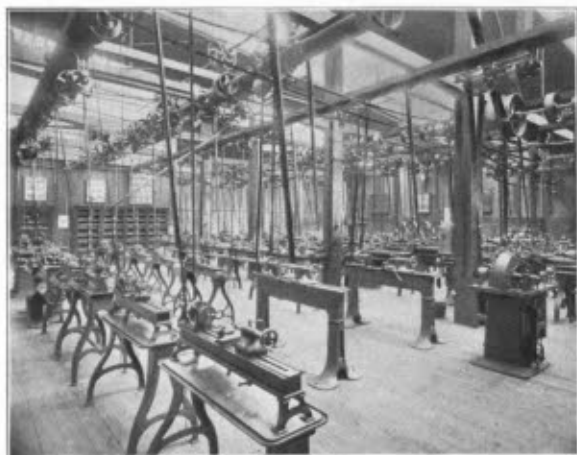
At the Centennial Exhibition much as regards shopwork was learned from the exhibit of the Russian technical schools. The Russians had analyzed machines, and found a certain number of elementary forms which their students were taught to work out in a systematic way. This was an immense advance upon anything yet done in America, where shopwork, when it existed at all, was performed rather from the manufacturing than from the teaching standpoint.

The advantages of the Russian system were so great that President Runkle wrote that he considered that "our mechanical engineers with this preliminary shop experience would be independent when they graduate, instead of being, as now, the most helpless product of any of our departments."<sup>†</sup> The system was adopted at the Institute, and forms much of the basis of the manual training of to-day, not only at this, but also in many other institutions.

<sup>\*</sup> "Life and Letters." Vol. II. p. 334.

<sup>†</sup> "Life and Letters." Vol. II. p. 335.

In 1877 the full effects of the financial depression that had begun over four years before were everywhere felt, and the Institute was no exception. A large incoming class formed a favorable offset to the depressing state of affairs, but the financial condition of the Institute gave cause for much anxiety.



MACHINE SHOP.

So great was the responsibility and strain on President Runkle that he felt he could no longer retain the position which he had held since 1870. He therefore resigned. It now became necessary to choose his successor, and Professor Rogers consented to assume again the position until another President could be appointed. The instruction given at the Insti-

tute is of a very expensive character. It involves a large quantity of costly apparatus, and the expense of keeping up laboratories and workshops. Besides, the staff of instructors is very large in proportion to the number of students. We should not be surprised, therefore, to find that, in spite of all possible retrenchments, great fear was entertained that the end of the year 1878 would find the expenses of the School of Industrial Science several thousand dollars greater than its income. Professor Rogers spent the following summer and winter in raising money for the needs of the Institute.

When Professor Rogers resumed the presidency of the Institute he did so only temporarily, and until a suitable successor could be found. His choice soon rested on General Francis Amasa Walker, Professor of Political Economy at Yale College, who was formally chosen President of the Institute on May 20, 1881. In the following November General Walker assumed his new duties. Meanwhile the prospects of the Institute had become excellent, and the number of students had increased considerably. A terrible blow was, however, about to fall on it in the death of its founder and first President. "On the 30th of May, 1882, he rose to deliver the diplomas to the gradua-



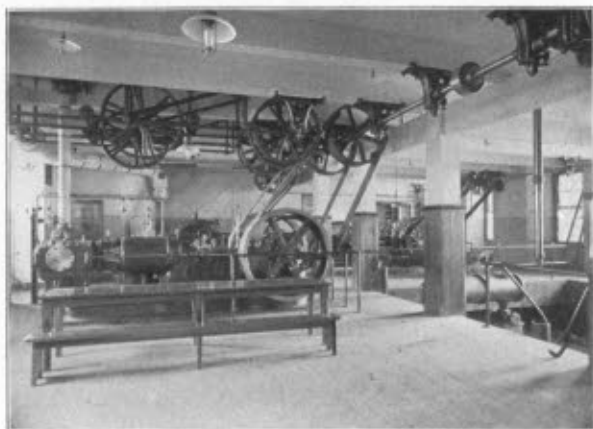
GENERAL WALKER.

ting class, most of whose course had been passed under his presidency. His voice was at first weak and faltering; but, as was his wont, he gathered inspiration from his theme, and for the moment his voice rang out in its full volume, and in those well remembered, most thrilling tones. Then, of a sudden, there was a silence in the midst of speech; that stately figure suddenly drooped; the fire died out of that eye ever so quick to kindle at noble thoughts, and before one of his attentive listeners had time to suspect the cause, he fell to the platform—instantly dead. All his life he had borne himself most faithfully and heroically, and he died, as so good a knight would surely have wished, in harness, at his post, and in the very part and act of public duty.”\*

The period of financial depression that threatened the very existence of the Institute passed, and in its place came a period of singularly rapid growth, which had begun with the revival of business in 1879. The number of students increased each year with astounding rapidity. In 1884 their numbers exceeded that of the previous year by thirty-one per cent. The geographical area from which these young men came enlarged greatly, including several foreign countries; and this with no lowering of the standard of scholarship. At this time examinations were held at places distant from Boston, and have been so held ever since. Graduate students from other colleges began to flock to the Institute. The reputation of the Massachusetts Institute of Technology was rapidly increasing, and spreading itself to every land where higher education was sought after.

The demands for graduates soon became so great that it was impossible for the various heads of departments to satisfy them. Not only that, but several officers of instruction were called upon by the state or municipality, or by prominent companies, to do technical work of the highest order. These facts showed the rapidly increasing reputation of the Institute.

\*“Memoir of William Barton Rogers,” by Francis A. Walker. P. 13.



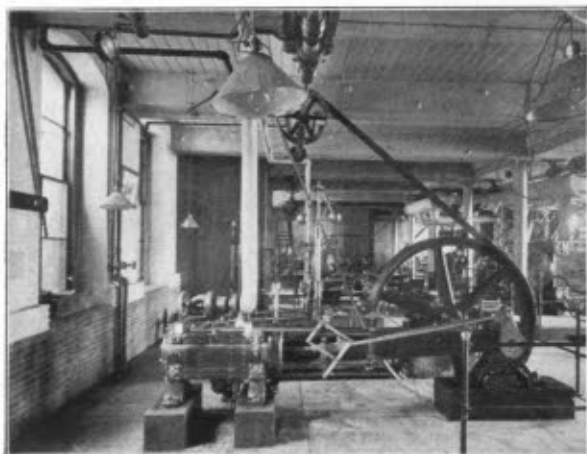
ONE OF THE COMPOUND TESTING ENGINES IN THE  
ENGINEERING LABORATORY.

As each student cost the Institute considerably more than his tuition fees amounted to, the large growth of the student body was an enormous tax on the financial resources of the Institute. For several years the need of endowments had been greatly felt, until, in 1887, the position was such that some action had to be taken. The Corporation, therefore, petitioned the Legislature for a grant of \$200,000, in order that the Institute might be placed on a comparatively assured foundation. The Legislature, however, only appropriated \$100,000, and then under two conditions: "First, that \$100,000 from other sources should be added to the funds of the Institute prior to the first payment to be made from the treasury; and, secondly, that twenty-five scholarships should be established and maintained at the Institute." The last condition was a very heavy one, as it practically absorbed

all of the State grant.

A year later, however, the grant was increased by \$100,000, free of conditions.

At this time the cry from every department was, "More space." By 1889 the increase of students had been so large that, although it was but six years after the erection of the Walker Building, the Engineering Building had to be constructed at a cost of about



PART OF THE ENGINEERING LABORATORY.

\$110,000, including equipment and new apparatus. In spite of the large number of scientific schools and of scientific and technical departments in already existing universities and colleges that had been inaugurated during the three or four years previous to 1892, the geographical area from which students came was by no means decreased. In that year the Architectural Building had to be constructed, as the Architectural department had entirely outgrown its previous quarters in the Walker Building. The new construction was situated directly south of the Engineering Building, constituting an extension of the front of that building. The cost was \$35,000.

In 1893, but one year after the erection of the Architectural Building, the lack of space was again painfully felt. In view of the fact that before long another construction must be added to those already owned by the Institute,

the skating rink property on Clarendon Street and the Jordan land lying between the Institute property on Trinity Place and the Providence Railroad was bought at a cost of \$299,000, the area being fifty thousand square feet. Had not this step been taken both these pieces of real estate would have been hopelessly lost at a time when the Institute was already feeling the need of another building.

In this same year the Columbian Exposition took place, and as, without any urgency on its part, space had been assigned the Institute in the Liberal Arts Department, an exhibit was made of methods and of the results of its instruction. The exhibit consisted principally of photographs of the interiors and exteriors of the buildings, architectural and engineering drawings, charts showing the work done in different courses, chemical products, and a full set of regular shop-work pieces. Of chief merit to the student of education, however, were a set of theses of the graduating class of 1892, and various other documents of like nature. The exhibit was visited by "many hundreds of earnest students of science and technology, teachers, superintendents of schools, and others."\*

In 1894 the Institute became a member of the American Association of Agricultural Colleges and Experiment Stations.

In the same year a summer school was held for the first time in the lecture rooms and laboratories of the Institute as an experiment. This was repeated the following year, and though the results were not as good as had been anticipated, still the experiment seemed worth continuing. It was again tried, and decided that some of the courses, at least, should be continued in subsequent years.

At this time the finances of the Institute were in such a bad condition that the Legislature was petitioned by the Corporation for a grant of \$25,000 per annum for the term of six years next ensuing. This petition was granted. A grant of \$2,000 per year for six years was also made for the maintenance of ten free scholarships, under the Direction of the State Board of Education, to be awarded only to graduates of the Massachusetts public schools. In 1896 this grant was increased, without any initiative on the part of the Institute, to forty permanent State scholarships. The Corporation and officers felt highly gratified at this evidence that the value of the new institution was realized by the citizens of the Commonwealth, and that they were ready to help it when they knew its usefulness to be endangered by straitened finances.

In the year of the increase of the grant another building became a necessity, unless serious injury was to follow. The plans had already been made, but the Executive Committee "received legal advice that it was

\* President's "Report."

doubtful whether a certain amount of money which was to come to the Institute by bequest, would be available for such use." \* Thus the efforts of the Executive Committee were arrested, for the hard times prevented them from securing the necessary funds by subscription.

A most serious blow now fell upon the Institute in the death of General Walker, which took place on January 4, 1897. The circumstances of his death are familiar to everyone. Like his predecessor, "he died, as so good a knight would surely have wished, in harness, at his post." The crowning work of his busy life had been the improvement of the Institute he loved so well.

On January 13 Professor James Mason Crafts assumed the duties of Chairman of the Faculty, and in the following October those of the Presidency.

General Walker's death is the last event of great importance that we have to record. The past two years have been most prosperous. Several large bequests have placed the Institute in comparative security. These donations have, in several cases, been made free of conditions, thus showing how great is the public confidence in the administration of the school. It is true that last spring a fire threatened to injure the Architectural and Engineering Buildings, and came near destroying two valuable departmental libraries; but, thanks to the energetic actions of instructors and students, these were saved, and most of the actual losses were covered by insurance. During the past summer a new building was constructed of such size as to increase the space devoted to recitation rooms and laboratories by twenty-five per cent. This edifice has been named the Henry L. Pierce Building, in honor of the donor of a magnificent bequest to the Institute.



PROF. CRAFTS.

During this last year an attempt was made to form some sort of union between the Institute and Harvard University, with the object of avoiding a duplication of the courses in Industrial Science at the two institutions. The attempt, however, did not succeed, but it doubtless tended to increase the feeling of friendship between the Institute and its neighboring university. A negotiation was also held with the United States Naval Department regarding the admission to the Department of Naval Architecture of certain graduates of the Naval Academy at Annapolis. This attempt, like that on the part of Harvard University, had no results.

An exhibit was made by the Institute at the Omaha Exposition, for which it was awarded a gold medal.

\*President's "Report" for 1896. P. 6.

. . . . .

We have now rudely traced the history of the Massachusetts Institute of Technology from its conception in the mind of its illustrious founder to its present state,—that of the most important institution of its kind in America. Of the three coördinate branches that were originally planned, the Society of Arts continues to fulfill its function as a scientific institution; the Museum has not as yet been organized, chiefly owing to lack of funds; while the School of Industrial Science has overshadowed all else by its extraordinary growth. This branch was opened in 1865, in the Summer Street rooms, with five instructors and twenty-seven students. Now—but a little over thirty



PIERCE BUILDING.

years later—it occupies five large buildings, not to speak of the workshops and gymnasium, employs one hundred and sixty-four instructors and lecturers, gives instruction to one thousand one hundred and seventy-one students, and offers thirteen different courses. Its importance lies not, however, in its size, nor in the number of young men that it fits yearly for the work of life. It is in its example as the first truly technical school, as the first institution where the laboratory came to take a place beside the text-book, and as a leader in modern institutions whose example has been everywhere followed, that lies the greatness of the MASSACHUSETTS INSTITUTE OF TECHNOLOGY.

B. W. B. G.

The



Classes

### 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.!

### Class of 1901.

Colors: Orange and Black.

Yell.

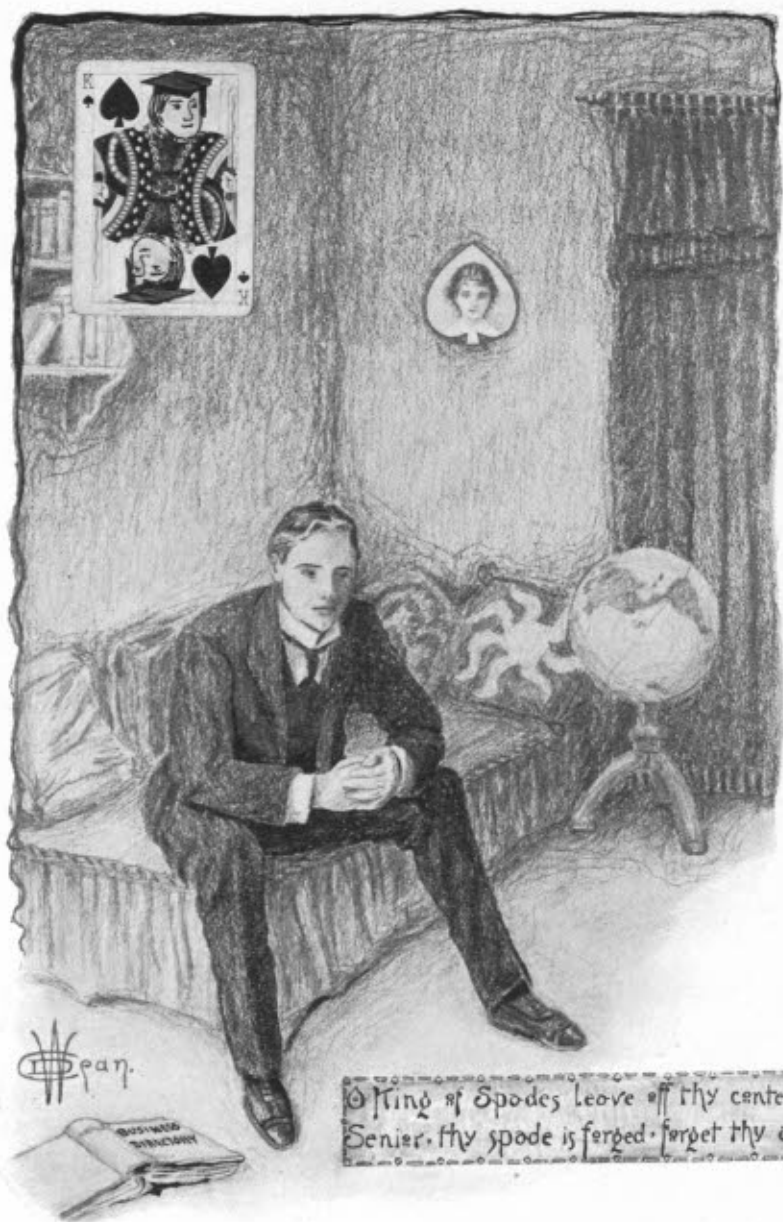
Naughty-one! Naughty-one! Naughty-one!  
Rah, Rah, Rah! Rah, Rah, Rah!  
Rah, Rah, Rah!  
Technology!

### Class of 1902.

Colors: Blue and Gray.

Yell.

Naughty-two! Naughty-two! Naughty-two!  
Rah! Rah! Rah! Rah! Rah!  
Naughty-two!



O King of Spades leave off thy contemplation;  
Senier, thy spode is forged, forget thy oderotian.

## Class of 1899.

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"Τὸ παρὸν εἶναι ποιεῖν."

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### Officers.

#### *President.*

ARTHUR LITTLE HAMILTON.

#### *First Vice President.*

WILLIAM STARK NEWELL.

#### *Second Vice President.*

WALTER OWEN ADAMS.

#### *Secretary.*

MILES STANDISH SHERRILL.

#### *Treasurer.*

STANLEY MOTCH.

#### *Executive Board.*

ALEXANDER RIEMAN HOLLIDAY.

JACOB STONE, JR.

#### *Institute Committee.*

HARRY LEONARD MORSE.

GEORGE CARLOS WINSLOW, JR.

## The Senior's Journal.

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**T** WAS sometime near midnight when the Senior finished the last entry in his journal for Ninety-eight. He unlocked a drawer in his desk and placed it beside the row of little books that bore record even of his "prep." school days. Then he leaned back in his chair, and slowly lighted a cigarette. The match burned with a flaring, smoky flame. Yes, it was a smoky flame, he found himself saying; and his thoughts wandered back to the time when he was holding a piece of paper over a candle in Freshman Chemistry. That was almost the beginning of it, he mused, as a host of memories that had gathered about his college life came flooding back to him.

He leaned forward and picked out the third book from the end, and after turning a few leaves he found what he was seeking.

*July 4, 1895.*—I wonder if this has been a very glorious Fourth. I received a letter notifying me that I had been admitted to the Institute of Technology. That means I shall not be a doctor, or a lawyer, or a minister, like the other fellows. Moreover, I suppose I shall have to work a little to get through college. They say it's different from Harvard or Yale.

Again the leaves are turned:—

*September 30, 1895.*—My first day at Tech. It seems a pleasant place for anyone but a Freshman. Rogers Building was crowded, and everybody was making out attendance cards. Some made out Y. M. C. A. cards. I gave my name and church to get a Y. M. C. A. book. Then I sat down on the stairs and tried to study out the papers, and cards, and things given me. Finally an upper classman helped me. This is only the first thing I've had to do, and they tell me the work is not hard at first. I don't know what I shall do if it's worse than this. The upper classmen seemed very happy to be back, and were

laughing, and talking, and shaking hands with everybody in a way that makes me feel very much alone. I spent about twenty-five dollars at a store on Clarendon Street, where they were very kind, and told us just what to buy. They also sold me a Co-operative Society ticket, and I get a twenty-five per cent discount. The upper classmen don't buy those tickets. I wonder why? I paid my tuition (\$125); studied the first two pages of the Trigonometry all the afternoon and evening.

*November 19, 1895.*—Cut Mechanical Drawing, and went to the Cane Rush. We lost in the rush hands down, 23 to 7; but 16 to 0 in the game brought up the average.

*February 21, 1896.*—Tried to explain my absence from United States History to H-rr- T-l-r, but got rather balled up. Attended all the recitations during the day. In the evening we had our first Class Dinner. Thoroughly enjoyable. The speakers were wonderfully convincing. Why, Ninety-eight simply isn't in it with our Class at all. Several stories were told by Y. M. C. A. men.

*May 15, 1896.*—Drill with Brown. In the afternoon our battalion met the Brown boys at the station and escorted them to the armory. On the way a little girl threw a kiss to me from a fourth-story window, and I spoilt a "fours right" by stopping a moment to pick it up. The evening was all right. The floor was pretty smooth,—so was Brown. My bayonet got stuck. However, it was a glorious victory. Attendance,—thousands; everybody pleased; met lots of fellows' sisters.

*September 26, 1896.*—Took the condition exam. in Analytic Geometry. Half the Class seemed to be taking that and History. Very pleasant to be back again.

*November 22, 1896.*—We won in another Cane Rush to-day, to say nothing of the Football game; but I was slightly damaged by being walked over by a promiscuous push of Freshies. Lost a tooth and most of the clothes I had on. I think one fellow tried for my scalp lock as a souvenir to hang in his room. I gave him an upper cut instead. One picks up a little "science" after two years at Tech. There may be a little trouble over the Rush, as we only won it by a score of 19 to 19—very close.

*November 30, 1896.*—Fair. Joined the Republican Club, and took part in the torchlight parade for McKinley. I am really a Democrat, though. Afterwards we pushed a few drinks and tried to rush some Harvard men; but the coppers came up, and I got

hit over the head and sent home in a cab. This happened on Park Square. There is a monument there now—erected on some other account, I believe.

*March 27, 1897.*—Since my election to the *TECHNIQUE* Electoral Committee I have seen some wire pulling; and have discovered how very earnest everyone is for the welfare of *TECHNIQUE*, and how important it is to choose the best men for the book. Nevertheless, I am sure we have picked the best men, and everyone seems satisfied, which is the main thing, after all. Took the evening off and went to the theater, and afterwards three of us had a little supper down town. Hour exam. to-morrow in epicyclic trains. I know just one formula.

The Senior smiled as he recalled how “just one formula” (it was  $e = \frac{n-a}{m-a}$ ) had given him a P. Then the leaves were turning again: “No conditions—pleasant vacation;” “back to work”—“work”—“work.”

But it was not all work. It was a record broken here and there—frequently, in fact—by accounts of evenings when for a time all thoughts of to-morrow were forgotten. He had been fond of amusement, and there were many things for which he cared. From day to day it told how he had made this club and that society, his successes in athletics, something of fraternities, and more of friendships. It was true work had at times been exacting, but on the whole he had kept up with it. He was beginning to see what was meant when men said they didn’t know how to study before they came to Tech.

A pause followed before he took up the last of the books,—the book he had finished that night. The Senior lingered a moment over the Junior Dinner, and then another month was passed by.

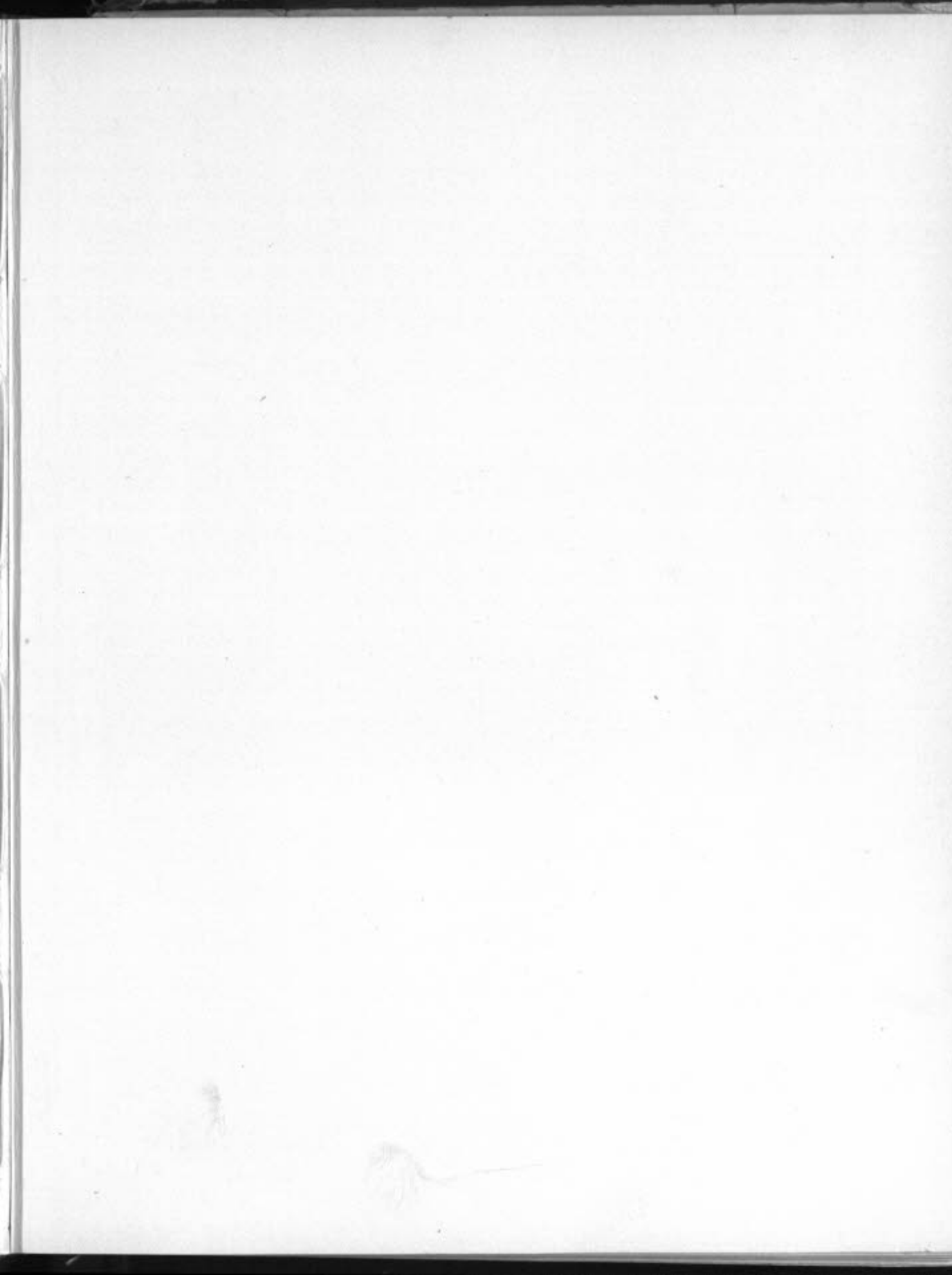
*April 25, 1898.*—Junior Week is over, and now we’ve got to quiet down to twenty-six hours a week, and, figuratively, to bread and water. I’ve had a corking good time of it all, and taken in everything, and it’s very nice at times to have somebody besides the Co-eds to look at. Outside of Junior Week one’s sense of the æsthetic doesn’t develop in this institution of logarithms, steam tables, straight edges, and exams. Disposed of a fifth *TECHNIQUE* Ninety-nine to-day. It’s the pleasantest, jolliest, most readable book imaginable. A class doesn’t have but one Junior Week, and Ninety-nine has had one worth remembering.

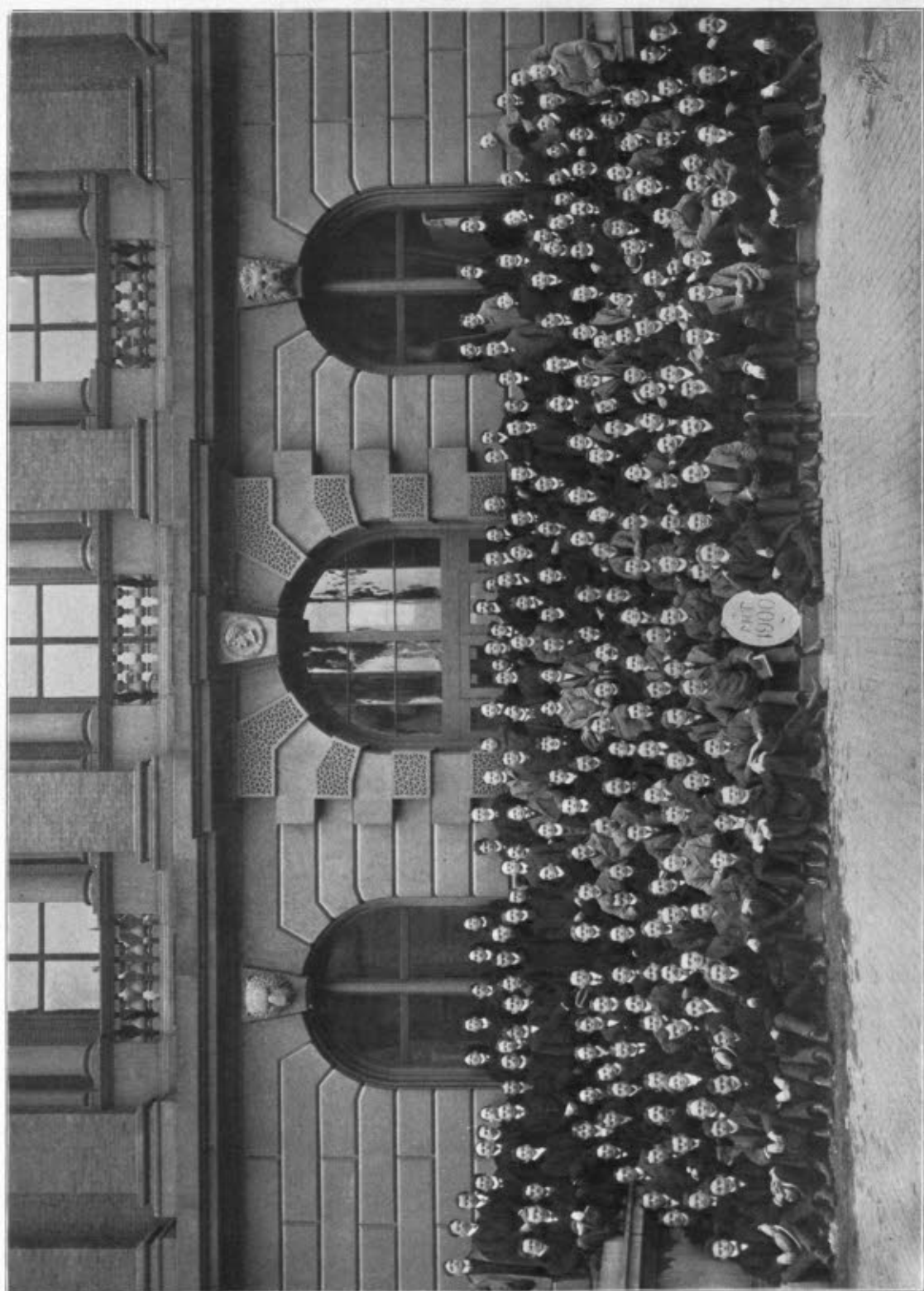
The odd bits he had read, though fragmentary and incomplete, had recalled the many other events of his college life. He was living over in imagination the past three years. He had now come to Senior year. There was no need of a journal for that, it had all happened so lately. He smiled, but he was not sure why. He was not amused, and he realized that he had unconsciously pressed his teeth tightly together. Perhaps it was less a smile than a cynical lifting of the corners of the mouth.

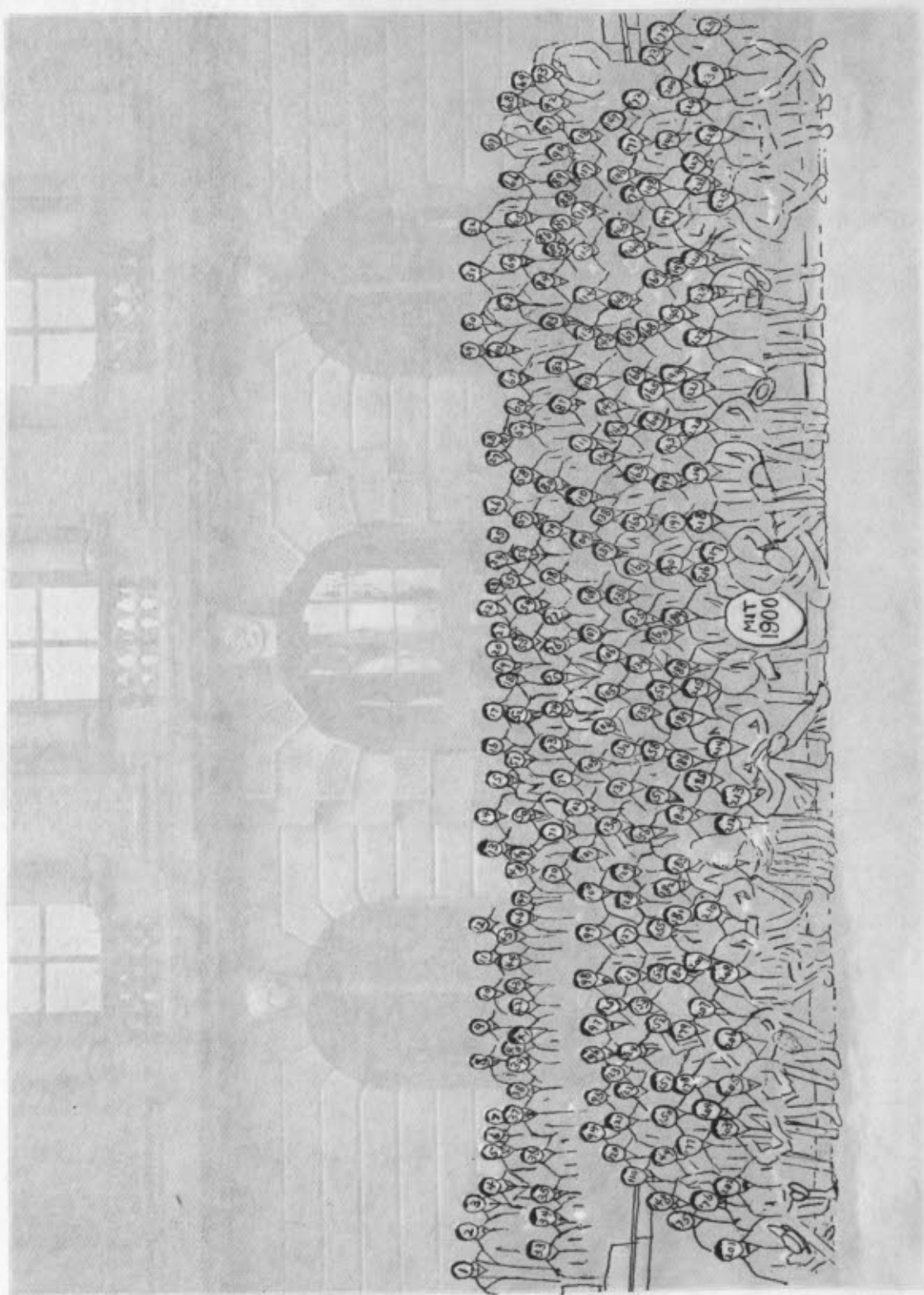
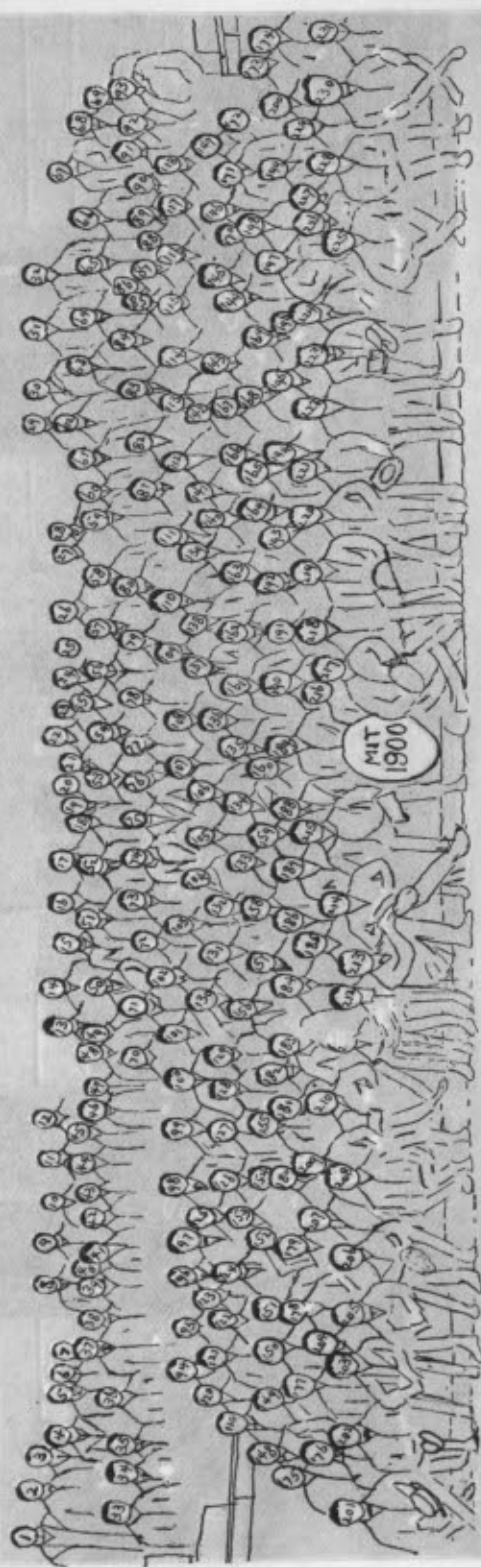
*December 31, 1898.*—Another year gone, and a very eventful one. I'm too tired to review all that has happened. I'm very tired. One doesn't have a moment to rest now. My work has been harder than before, and my other interests take much more time. I hate to give up everything for work; even as it is I've almost forgotten how to play. It's hard not to give up and turn "grind." I think a college course should mean something more than study. Half the class works from 9 till 5.30, and the other half has to keep up. Besides this there are eighteen or twenty hours of outside preparation to come in somewhere. Half the class has dropped out since Freshman year. We were given an extra problem in drawing this term. I suppose I've got to do it to get my degree. I'm in despair. It's too late to do anything but keep on. One has to burn the candle at both ends. Is it worth while?

"Is it worth while?" he repeated, as he leaned forward and buried his face in his hands. It was the same question that had come to other college men in Junior and Senior years. At last he straightened himself in his chair. The lines about his mouth were a little firmer than usual. He turned to the last page he had read, and wrote: "A degree at Tech. means something. It *is* worth while."









# Key to Class Photograph. — Names in Numerical Order.

1 Cooke.	67 Reardon.	100 Hall, M. W.	133 Elbert.	166 Moulton.	199 Johnson, D. S.
2 Foodick.	68 Corliss.	101 Merrick, C. V.	134 Clary.	167 Lincoln.	200 Batcheller.
3 Gilson.	69 Buftum.	102 Brooks.	135 Hall, G. A.	168 Brickley.	201 Hopgood.
4 Foster.	70 Walker, H. L.	103 Searle.	136 Shapley.	169 Edson.	202 Hopkins.
5 Teuteberg.	71 Miller, L. A.	104 Richardson, C. A.	137 Dean.	170 North.	203 Keith.
6 Pitcher.	72 Russell, G. E.	105 Suter.	138 Conant, J. B.	171 Bugbee.	204 Robson.
7 Buys.	73 Tudbury.	106 Oppenheim.	139 Smith, L. S.	172 Campbell.	205 Littlefield, H.
8 Thanisch.	74 Porter.	107 Hunt, H. L.	140 Badlam.	173 Russell, E. F.	206 Hirokawa.
9 Mague.	75 Macintire.	108 Worden.	141 Scott.	174 Luyties.	207 Draper.
10 Hooper.	76 French.	109 Smith, S. I.	142 Gardner.	175 Pigeon.	208 Lawrence.
11 Rossamasser.	77 Richardson, C. L.	110 Chalmers.	143 Wilder.	176 Weeks.	209 Beckman.
12 Bailey.	78 Thurber.	111 Fulton.	144 Leach.	177 Hodson.	210 Atwood.
13 Tucker.	79 Mayhew.	112 Paul.	145 Manley.	178 Constantine.	211 Perkins.
14 Crowell.	80 Steidemann.	113 Osgood, I.	146 Morris.	179 Lingley.	212 Barker.
15 Riley.	81 Madgeburg.	114 Penard.	147 Walworth.	180 Sherman.	213 Priest.
16 Schaeffer.	82 Oxnard.	115 Schmidt.	148 Stewart.	181 Gage.	214 Dutton.
17 Merrick, F. I.	83 Cadby, F. E.	116 Keay.	149 Beckwith.	182 Ashley, G. F.	215 Angus.
18 Brown, S. P.	84 Barton.	117 Frink.	150 Conant, F. N.	183 McMaster.	216 Greene.
19 Melcher.	85 Blair.	118 Hall, S. M.	151 Brock.	184 Clark.	217 Conant, H. S.
20 Ellis.	86 Holbrook.	119 Sperry.	152 Peck.	185 Jonett.	218 Cadby, F. L.
21 Lewis.	87 Johnson, C. C.	120 Briggs, A. B.	153 Hussey.	186 Brownell.	219 Silverman.
22 Brown, J. W.	88 Rolster.	121 Brigham, T. W.	154 Rand, N. D.	187 Leonard.	220 Suhr.
23 McCradden.	89 Anderson.	122 Moody.	155 Laine.	188 Oliver.	221 Leary.
24 Balcom.	90 Chapman.	123 Wyzanski.	156 Hopman.	189 Rapp.	222 Plummer.
25 Clow.	91 Charles.	124 Barney.	157 Hough.	190 Everett.	223 Littlefield, F. W.
26 Price.	92 Bucklin.	125 Grant.	158 Sears.	191 Cleveland.	224 Stevens, W. L.
27 Leeds.	93 Brown, C. C.	126 McPherson.	159 Glover.	192 Burns.	225 Emery.
28 Gallagher.	94 Stone.	127 Fitch.	160 Nesmith.	193 Ashley, H. E.	226 Woodward.
29 Neall.	95 Simpson.	128 McGowan.	161 Allen.	194 Coney.	227 Dorey.
30 Gibbs.	96 Hunt, H. R.	129 Churchman.	162 Warren.	195 Ingalls.	228 Dory.
31 Davis.	97 Wentworth.	130 Tuck.	163 Jennings.	196 Goodridge.	229 Stevens, R.
32 Morgan.	98 Miller.	131 Chaffee.	164 Reimer.	197 Roberts.	230 Tweedy.
33 Burnham.	99 Flanders.	132 Howe.	165 Pickersgill.	198 Osgood, H. E.	231 Saunders.

# Key to Class Photograph. — Names in Alphabetical Order.

53 Adams.	171 Bugbee.	199 Sperry.	223 Wyzanski.	251 Saunders.	49 Stearns.
101 Allen.	60 Buftum.	202 Hopkins.	19 Melcher.	74 Porter.	80 Steidemann.
89 Anderson.	20 Ellis.	157 Hough.	101 Merrick, C. V.	75 Price.	229 Stevens, R.
215 Angus.	41 Emerson.	132 Howe.	17 Merrick, F. I.	213 Priest.	224 Stevens, W. L.
182 Ashley, G. F.	235 Emery.	55 Hubbard.	63 Merrill.	154 Rand, N. D.	148 Stewart.
193 Ashley, H. E.	107 Everett.	107 Hunt, H. L.	71 Miller, L. A.	47 Rand, W. P.	94 Stone.
210 Atwood.	127 Fitch.	96 Hunt, H. R.	68 Miller, S. B.	189 Rapp.	57 Stratton.
45 Avers.	99 Flanders.	153 Hussey.	68 Miller.	88 Rathbun.	220 Suhr.
140 Ballam.	4 Foster.	163 Jennings.	124 Moody.	67 Reardon.	105 Suter.
141 Bailey.	108 Chalmers.	164 Jonett.	32 Morgan.	61 Reiman.	8 Teuteberg.
24 Balcom.	90 Chapman.	165 Moulton.	166 Morris.	104 Richardson, C. A.	8 Thanisch.
212 Barker.	91 Charles.	167 Moulton.	167 Moulton.	77 Richardson, C. L.	51 Thayer.
144 Barry.	92 Bucklin.	168 Moulton.	3 McCradden.	15 Riley.	78 Thurber.
84 Bartley.	93 Brown, C. C.	169 Moulton.	9 Mague.	46 Townley.	46 Townley.
200 Beckwith.	94 Stone.	170 Moulton.	181 McGowan.	130 Tuck.	130 Tuck.
209 Beckman.	95 Simpson.	171 Moulton.	182 McGowan.	197 Roberts.	14 Tucker.
208 Belnap.	96 Hunt, H. R.	172 Moulton.	183 McPherson.	11 Rossamasser.	73 Tudbury.
85 Blair.	97 Wentworth.	173 Moulton.	20 Neall.	173 Russell, E. F.	230 Tweedy.
86 Bolser.	98 Miller.	174 Moulton.	160 Nesmith.	72 Russell, G. E.	39 Vogel.
120 Brooks.	99 Flanders.	175 Moulton.	161 Allen.	54 Saunders.	70 Walker, H. L.
93 Brown, C. C.	100 Hooper.	176 Moulton.	162 Warren.	115 Schmidt.	147 Walworth.
34 Brown, J. W.	101 Merrick, C. V.	177 Moulton.	163 Jennings.	16 Schneller.	162 Warren.
42 Brown, J. W.	102 Brooks.	178 Moulton.	164 Reimer.	141 Scott.	36 Westcoat.
22 Brown, S. P.	103 Keith.	179 Moulton.	165 Pickersgill.	103 Sears.	176 Weeks.
186 Brownell.	104 Robson.	180 Moulton.	76 Pitcher.	158 Sears.	97 Wentworth.
92 Bucklin.	105 Suter.	181 Moulton.	222 Plummer.	159 Sherman.	44 Wesson.
		182 Moulton.		180 Sherman.	38 White.
		183 Moulton.		181 Sherman.	143 Wilder.
		184 Moulton.		182 Sherman.	49 Witherell.
		185 Moulton.		183 Sherman.	226 Woodward.
		186 Moulton.		184 Sherman.	108 Worden.
		187 Moulton.		185 Sherman.	13 Wyzanski.
		188 Moulton.		186 Sherman.	37 Ziegler.



The Queen of Hearts the Junior captivates  
For her he grinds & grinds until he produces.

Edm.

## Class of 1900.

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VOCARE CULPÂ MAGNUM EST SOLATIUM.

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### Officers.

#### *President.*

WALTER LOUIS RAPP.

#### *First Vice President.*

FRANK DAVID CHASE.

#### *Second Vice President.*

WALTER CRANE CHAFFEE.

#### *Secretary.*

CLIFFORD MILTON LEONARD.

#### *Treasurer.*

LEWIS MORSE LAWRENCE.

#### *Directors.*

ALBERT LAWRENCE CHURCHMAN.

HERBERT MILTON McMASTER.

#### *Institute Committee.*

GEORGE EDMOND RUSSELL.

ALLEN HARVEY WOODWARD.

## Junior Class History.\*



JUST one year five months and eighteen days before the blowing up of the Maine, the sun came up out of the Charles to make room for one of Professor B-rdw-ll's monthly baths, and incidentally to usher into existence the Class of Nineteen Hundred.

Mars was on dress parade, and L-n-s on the swine special. H-rr- T-l-r was "it" in auburn-colored golf stockings and an erstwhile black cut-away coat (they were wearing them then in South Boston), and Rogers corridor seemed a sea of seething humanity to the homesick Freshman.

"Woody" and "Steve" Brown arrived late, and hearing that chapel seats were selling rapidly, rushed over in time to secure the last two at one dollar per. The next day the organist persuaded G. Almighty Hall to thaw out his vocal chords and try for the chapel choir. After he had started "There was a young man," four times out of five attempts, however, he was assigned a seat in the body of the house.

The succeeding days passed swiftly. Plans for class elections kept us awake at night. Out of the two hundred and eighty-nine members, there were two hundred and eighty-seven candidates for president. The appointed hour came. The clans gathered. Huntington Hall was crowded. Some one nominated Philip Benson Cooper for president. As he had previously warmed up by climbing fourteen flights of stairs to the descrip. room before he discovered his mistake, and showed no symptoms of distress, he seemed a likely candidate.

At this point "Lengthy" Stone pushed his head through a trapdoor in the floor, and inquired if voting by proxy was allowable. He had a sandwich in one hand, and had just obtained a desirable position at the lunch-room counter below, which he was loath to lose. Twenty or thirty more names were proposed. As the candidates were assisted to the platform our hopes rose and fell. The market fluctuated. Finally Davenport

\*The historian gratefully acknowledges the *Princeton Nassau Herald* for many valuable suggestions.

nudged the man next to him, and told him to nominate Davenport. The stranger was generous, wore a derby, and accommodated him. The ballot resulted: Cooper, 199; scattering, 87; Davenport, 1.

The Football game and Cane Rush took place late in November. We lost both. Darkness covered the earth. "It was the greatest blow since the big wind in Ireland." As the pistol-cracked denoting the end of the rush, Bill Angus came in contact with somebody's head, lost his bearings, and started to run. Everybody followed, thinking a flank movement was to be made. Bill ran down on Columbus Avenue, knocked at a house, said he was a fruit-tree agent, and would like permission to climb up in the trees out in the yard to see if the frost had injured next year's crop. The Stevens sisters, Ralph and W. L., gave out at Kneeland Street, and crawled under the station.

The mid-year examinations were soon upon us. We took our first in January. Some of us took our last. We ate meals on the run, slept in a hurry, and lived in the present.

Our crowning glory, however, was the class ball team in the spring. Every member chewed "Battle-ax," and played for blood. Harry Osgood volunteered to look after their lives and other teams' legal tenders, and paid his fare home to Chicago on the difference. Charley Cotting had the Sophomores in chancery. Every Ninety-nine man who came to the bat got the blind staggers, and tried to fall on the ball. Somebody finally got a hit. Everybody claimed it. The umpire threatened to call the game. At twilight the final score was 16 to 7 in our favor.

Examinations came again, but we were veterans. Russell Suter received his report one beautiful June morning, when nature was making glad the hearts of men. He opened it, clutched his locks frantically, let forth one piercing scream, and passed away. There, in black and white, beyond the possibility of alteration, were only eight C's out of nine marks. The other was a P+. Thus closed our Freshman year. We were Sophomores in name, if not in the Secretary's office, and that was something.

. . . . .

Sophomore year brought many changes. Most of us were back when the Institute opened. "Cy" Dart was detained on account of the Illinois State Fair. He was engaged as a jockey to train and ride a horse called Whitenose. "Cy" purchased a new red saddle, big nickel-plated spurs, and a jockey cap with a visor eight feet long. He was on the back of that horse ten hours a day, and sat up with him the night before the race. The county paper observed the day following the race, "That Whitenose also ran."

Bill Hearn and "Brindle" Chase struck town *via* the Stonington Line, and drove up Boylston Street in a great low-necked hack. Bill kept the hack in front of Rogers all day, while he unraveled red tape inside.

A little later that fall we were formally presented to Arlo. The trouble was our systems had never been schooled up to such a critical point, and Arlo's language wasn't fit to eat. Somebody even suggested that Arlo did not know much about literature. "Don't you believe it," said FF. Campbell; "why, that man can write poetry that would make Shakespeare and Mike Scanlan think they were working on a dredge." FF. afterwards confessed that he had read "Sonnets in Shadow."

"Russ" Glover began to develop his "fussing" abilities about this time. Every afternoon he would start out early in his store clothes, and return at nightfall with another conquest dangling at his belt. "Russ" and one of his Lizzies were seated upon the porch one night enjoying the moonlight, and—well, why not?—when the girl's mother came out to look things over. They had been talking about the Junior Prom., then some months distant, and as "Russ" rose to go, he said, enthusiastically, "Come over, Mrs. C., and bring your daughter; we'll have the h-ll of a time." Why, Hilken, his side partner, confessed only recently to me that if you hung a petticoat on a tree, "Russ" would rather starve to death than leave it.

Oppenheim's run against the Freshmen that fall was worthy of note, although we apparently lost the game from sheer force of habit. The teams had been meandering up and down the field for a considerable period. It was in the second half, and neither side had scored. On the next line-up the ball was fumbled a couple of times, and finally "Oppy" got his hands on it. He pranced around for a few seconds, and started for his own goal line; but with the instinct of a homing pigeon he noted his mistake and got his bearings. Whirling in his tracks, without checking his speed, he turned on the power and began to unwind. Records that had stood for years were crumbling. At single strides the five-yard lines sailed by. Like a cannon shot he struck one of the goal posts and bounced back, tearing up fully thirteen yards of sod on the return trip, and also losing the ball. It took but an instant for a Freshman to seize the pigskin, and with good interference score a touchdown for 1901. Two minutes later time was called.

The only excitement during the winter months was Dimock's being threatened with blood poisoning and nervous prostration, as the result of an operation to remove that gray sweater.

Under "Dan" Stewart's leadership things moved along smoothly until spring ushered in the meetings of the Electoral Committee, at which Stanley

Sears presided, reminding us of Tom Reed,—he was so different. Paul Brooks, as the Committee's advance agent, was disposing of places on the TECHNIQUE Board for a suitable consideration. "Dan" Stewart was approached, and offered the job of Society Editor for the small sum of \$5. "Dan" dragged his jeans but couldn't raise the five. Paul, mentally crediting himself with the filthy lucre thus saved, reversed his cuffs and took a freight train out to Chelsea to see his girl. A note from his "heelers" notified him the next day that although they had done their best to land him safely on the Board, he had been turned down for five successive positions, notwithstanding his references from *The Tech* as to his being sober and honest, and his brilliant record on the *War Cry* as its sporting editor. Immoral: Honesty is the best policeman.

Thus closed a year noted for great deeds. It was a year of conquest and struggle, of pomp and war, of expansion, suspension, probation, and expulsion; and we are glad it is a thing of the past.

. . . . .

Paul Price came East at the beginning of Junior year, about one day in advance of a warrant for horse stealing, and began to let his hair grow and to raise "Burnsides" to disguise himself. Paul met Mr. Dr-sk- on the trip in, and asked him if he had raised a beard for the same reason. But Mr. D.'s reason was that he thought it made him look more like Hobson, and therefore the girls—well, you know what they are doing to Hobson. This bit of news surprised us, for we never suspected that Mr. Dr-sk- was that style at all.

A week later S. Berwick Miller returned from the Naval Preserves, on a furlough, just in time to keep Corporal Bailey from assuming the position of "Tin Soldier," left vacant by the graduation of Arnold, Ninety-eight. Miller had been fighting for his country all summer and drawing three cards apiece. The Class rendered him due obeisance. Elated with his success as a living picture, Miller puffed out his chest and decided to set the pace for the Class on its third lap. He accordingly swung out into line for the presidency, only to act as a resistance coil for an alternating current set up by Walter Rapp and a bed slat. The result, of course, was never in doubt.

An afternoon or so before Thanksgiving we viewed the struggle for supremacy in football of the two lower classes from the "bleachers," with a dignity becoming our position as upper classmen; and as soon as Nature could get permission from Hussey, who was having his annual picture taken, in front of Rogers, as a Technology Corporal, she brought on the darkness, and the battle for the cane commenced.

During the Christmas vacation Billy Hough, the Williamsport—sport—sport—sport (this type was set by machinery, and the engine ran off the track here), had cut such a social swath on his native heath that the night of his return he got a shave, and decided to lend a little prestige to a select dance in South Boston. Once there, he scraped an acquaintance with the sweetest little thing imaginable, and danced with her the entire evening. A week later he received the following note at the Cage:—

“DEER MR. HUFF:

“i am so glad you cum over the uthar night. it seems allmost a age since. thear is goin too be anuther dan sune. i will send you a invitashun. i think you ar gust awfull nise.”

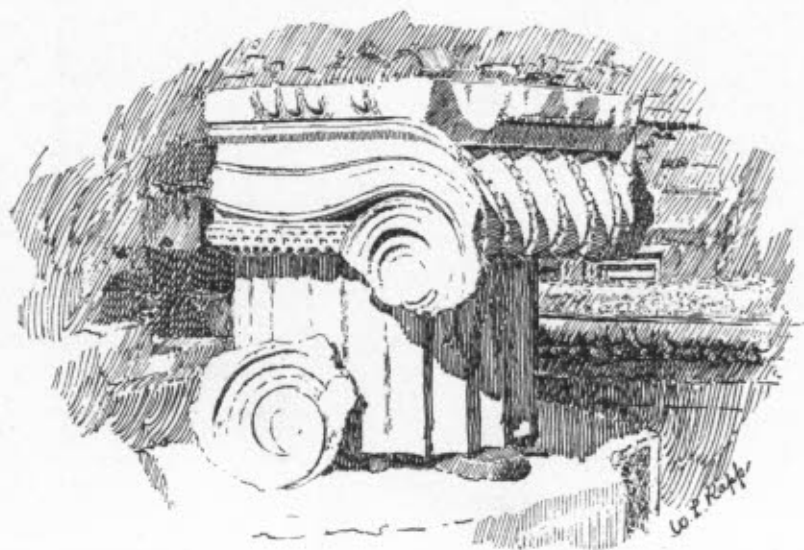
“io—derly

“ROSEY BOOT.”

Oh! Bill's an ardent lover!

I have not tried to speak of the serious side of our life at the Institute. We have only a little more than a year of it left. Let us enjoy it while we may. Friendships have been formed here which shall last through life and ripen into the firm and close comradeship of later years, so that we shall rejoice to return and recall the friends and fancies of our college days. If the historian has been tactless, forgive him, for the fault lies in his brain and not in his heart. As Kipling says,—

“I have written the tale of our life,  
For a sheltered people's mirth,  
In jesting guise—but ye are wise,  
And ye know what a jest is worth.”



The Jock of Clubs he is a sporty knove,  
A Sophomore sure what maid his glance can prove.



## Class of 1901.

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*Abends wird der Faule fleißig.*

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### Officers.

#### *President.*

NEWMAN LORING DANFORTH.

#### *First Vice President.*

PERCY HARRY PARROCK.

#### *Second Vice President.*

LEON RHODES THURLOW.

#### *Secretary.*

WILLIAM WHIPPLE.

#### *Treasurer.*

ALLAN WINTER ROWE.

#### *Executive Committee.*

VALDEMAR FRANK HOLMES.

ELLIS FULLER LAWRENCE.

#### *Institute Committee.*

WILLIAM TRUMAN ALDRICH.

EDWARD GORDON THATCHER.

## WONDERFUL DISCOVERY IN OLD SUBWAY.

Private Journal of Some Unknown but Highly Distinguished  
Man Who Lived a Century Ago.

LIGHT THROWN ON THE GALAXY OF GREAT MEN WHO FORMED THE CLASS OF 1901 M. I. T.

Yesterday afternoon, while excavations were being conducted in the old Subway, which caved in during the spring of 1900, a thick notebook was discovered. No indication of its ownership could be found, but it is clear from the contents that the writer must have been a mighty power in those days at the Institute of Technology. What makes the book of especial value is the rare light it throws on the life at the Institute of that time, especially on the early history of the Class of Nineteen Hundred and One, which has since become so famous. That the admiring world may share these delightful reminiscences, the BUDGET takes pleasure in publishing from this voluminous document a few extracts

which relate particularly to the aforesaid Class. We are further actuated by the hope that some of our readers may recognize the authorship of the work, and that possibly some descendants of the men who had the good fortune to be at the Institute at the time of which he writes, may have heard their fathers say who was the greatest man at Technology; they may even possess, carefully guarded in the leaves of the family Bible, one of the autographs referred to in the manuscript, in which latter case we earnestly entreat that they bring the said autograph to the BUDGET office (or, after May 1, to the Art Museum), that it may be compared with the writing in the notebook.

*September 29, 1897.*—Once more Technology has opened her doors; each year I feel more and more, "Here is my throne; let kings come bow to it!" I congratulate myself on the men I have allowed to enter this year; I am sure they will do me credit. They are far from being as green as the proverbial Freshmen, and I fancy I already see signs of budding greatness. I have watched Cr-fts closely as Chairman of the Faculty, and have about decided to make him President. I think he will suit me nicely.

*October 1.*—To-day, as I was walking down the corridor with Charlie Cr-ss, I heard one Nineteen Hundred and One man say to another, "How handsome he is!" I feel sure he did not mean Charlie, which reminds me how well I look with a beard. I must let it grow.

*October 3.*—Such a class as Nineteen Hundred and One will soon need better accommodations than we now have. I believe I will devote the Pierce fund to a new building to adjoin Architectural.

*October 5.*—Nineteen Hundred and One will hold their first class meeting in a few days. I don't want to be accused of favoritism, but I intend to see that Nineteen Hundred doesn't interfere. I'll find other amusements for them. My beard is progressing.

*November 12.*—I must look awfully young without my beard. I was taken for a Sophomore to-day. It was this way: The Freshmen had their class election, and of course Nineteen Hundred was at hand. In my efforts to rescue my favorites I was taken for one of their enemies. However, we soon settled matters, and I took them into my office to count their ballots. I like that class more and more.

*November 22.*—I tell you I can pick the winners every time. Nineteen Hundred wasn't in it at the Football game to-day; 6-0 in favor of Nineteen Hundred and One. As to the Cane Rush, business called me away before it took place.

*December 5.*—It is really a pleasure to ask a Nineteen Hundred and One man to "see me at once." They always come so promptly, and have such good excuses. Speaking of my cards, the Bursar wanted to know the other day why I had so many of them printed. I told him it would be too expensive to have them engraved. Queer fellow, the Bursar!

*February 8, 1898.*—I am all unstrung! I have sent my autograph to every man in the Institute, and from the results I feel like saying, like my friend B-rn-rd in regard to the French play, "Dees is gratitude." What especially depresses me is that several of my friends in Nineteen Hundred and One became angry with me and left suddenly, and I shall probably never see them again, nor have a chance to ask them to explain their absence. I have decided to let my beard grow again.

*March 4.*—New building is progressing nicely. I shall probably arrange to let the students in general, and Nineteen Hundred and One in particular, have a trophy room when it is finished.

*April 1.*—Nineteen Hundred and One had their Class Dinner last night. This is no April-fool joke.

*May 1.*—I have a great scheme. These fellows must be made to work during the summer, or they will forget how. I intend to have Arlo prepare a list of a couple of hundred books or so for them to read. If they don't do it I'll flunk them. I feel sure Nineteen Hundred and One will read them all.

*September 28.*—We are all back once more, that is all, except the Bird. She annoyed Nineteen Hundred and One so I had to dispense with her.

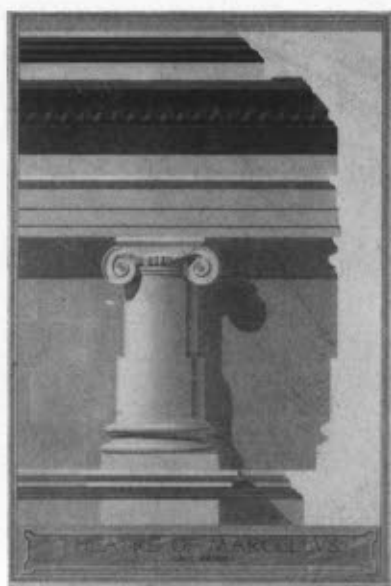
Again a multitude of bright (?) young faces are raised trustingly and confidently to mine; I will not disappoint them. I am pleased to see Nineteen Hundred and One once more. As Sophomores they are even more attractive than they were as Freshmen. I foresee a great future for them both here and in the outside world. The new building is open; I am quite proud of my work.

*October 31.*—I don't like Nineteen Hundred and Two; they are a queer set. To-day, just because some Nineteen Hundred and One men chanced to be passing through the corridor where they were having their elections, they flew in a passion and attacked them. I wasn't around; Cr-fts tried to stop them, but he couldn't do anything without me. Nineteen Hundred and One's feelings were hurt, but I prevailed on them not to notice it. What could you expect from Nineteen Hundred and Two?

*November 19.*—Well, Nineteen Hundred and Two has acknowledged they were in the wrong about that rush business, and have resolved to behave more properly in the future. Of course Nineteen Hundred and One and I won't bear malice. Which reminds me, Nineteen Hundred and One rather disappointed me about that summer reading; it must have been the bad example of the other classes.

*November 22.*—I reached the South End Grounds to-day too late to see the Football game, but the Cane Rush was fine. As I had anticipated, Nineteen Hundred and One was victorious, 15-11. My beard is approaching a maximum.

*January 17, 1899.*—I fear I shall not be able to write again for some time, as the semies are at hand, and I will soon have to send out more autographs. As usual, I shall give Nineteen Hundred and One mostly C's (stands for Corker, you know). Well, I must go and shave off my beard now.



TEMPLE OF MARCELLUS

The Ten of Diamonds is the Freshmen simple,  
Pleased with a pun or pretty Coed's dimple.



## Class of 1902.

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*À laver la tête d'un âne on perd sa lessive.*

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### Officers.

#### *President.*

ALBERT EATON LOMBARD.

#### *First Vice President.*

PAUL ERNEST CHALIFOUX.

#### *Second Vice President.*

THAYER PRESCOTT GATES.

#### *Secretary.*

CHARLES WETMORE KELLOGG, JR.

#### *Treasurer.*

HAROLD OTIS BOSWORTH.

#### *Directors.*

ROGER AMES BURR.

HENRY HODGMAN SAYLOR.

#### *Institute Committee.*

ALFRED WARREN ALLYN.

WALTER HAVENS FARMER.

## freshman Class History.



IVE ear to me, good people all, and I will sing to you  
A ballad of the Freshman Class, which we call Naughty-  
two.

'Twas many a moon before the time when, swarming  
from the Preps.,

The Naughty-two boys joined the throng upon old  
Rogers steps;

Aye, many a moon before that day went forth the  
great decree

That Naughty-two was coming, and that Tech. must ready be.  
Straightway throughout her peaceful halls a busy tumult rang;  
With trowel and with hammer worked many a laboring gang.  
The building which they builded had a lunch room down below,  
Where, for ten cents to dine on hash, doth many a student go.  
Biologists and architects in rooms above there be,  
And Architectural is changed to Engineering B.  
A stately library is built on Rogers lower floor,—  
Huntington Hall doth know not now the frescoes there before.  
These changes which were made at Tech., you see, were very great,  
And were not done in time to welcome Naughty-two in state;  
So Naughty-two came into Tech., as every class has done,  
To do her share of honest work, and have her share of fun.  
She had not been here long before she found some work to do  
In making out the riddle which is called a tabular view.  
O'er this each student racked his brains, and swore, when out of hearing,  
That he who got the darned thing up was good at engineering.  
When each had worked the puzzle out, he went unto his classes,  
And "Freehand Charlie" told him all about the "primary masses."  
The other things that we have learned we'll easily forget,  
But "primary mass" is in our brains, and hasn't left them yet.

There was a meeting of the Class ere many days went by ;  
 'Twas very calm and peaceful : as nice as apple pie ;  
 But at the second meeting rose a Sophomore quite slim,  
 And the Freshmen leaped upon him and dilapidated him.  
 We held a class election next in Rogers corridor ;  
 Never shall we forget the day when Rogers ran with gore,  
 And the Sophomores celebrated by destroying furniture.  
 It was a stirring sight indeed to see that furious fray ;  
 The President and Faculty were deeply moved they say,  
 And anyone upon the floor could very plainly see  
 That President Cr-fts was greatly moved by the charge of the Freshman V.  
 Unto the doughty Sophomores the Freshmen gave such licks  
 That fully half of Naughty-one was absent from Physics.  
 And when the fight was over, and all the dead were still,  
 The Bursar figured up the wreck, and sent the Sophs the bill.

Later, the Sophomores challenged us to have a football game,  
 And a pleasant little Cane Rush, just to make each other lame.  
 But when the football game was played the Sophomore Class felt blue,  
 And the South End Grounds resounded to the cheers of Naughty-two ;  
 For Pond ran swiftly round the end, and Parker punted well,  
 And Allyn crossed the Sophomore goal amid the Freshman yell.  
 And proudly might the Freshmen cheer the team in Blue and Gray ;  
 Eleven to nothing was the score by which they won that day.  
 Now when they saw the game was lost, the Sophomores raised a flag,  
 But Phinney climbed clear up the pole and tore away the rag.  
 So gloomy was the Sophomore throng, and silence settled down,  
 And every Sophomore face was set ; despair was in that frown.  
 Then Naughty-two embraced the chance to prove, ere 'twas too late,  
 That for her vanquished foemen she had pity, and not hate.  
 We cheered the Sophomores' sinking hearts, their awful gloom beguiled ;  
 We let them have the Cane Rush to prevent their going wild.

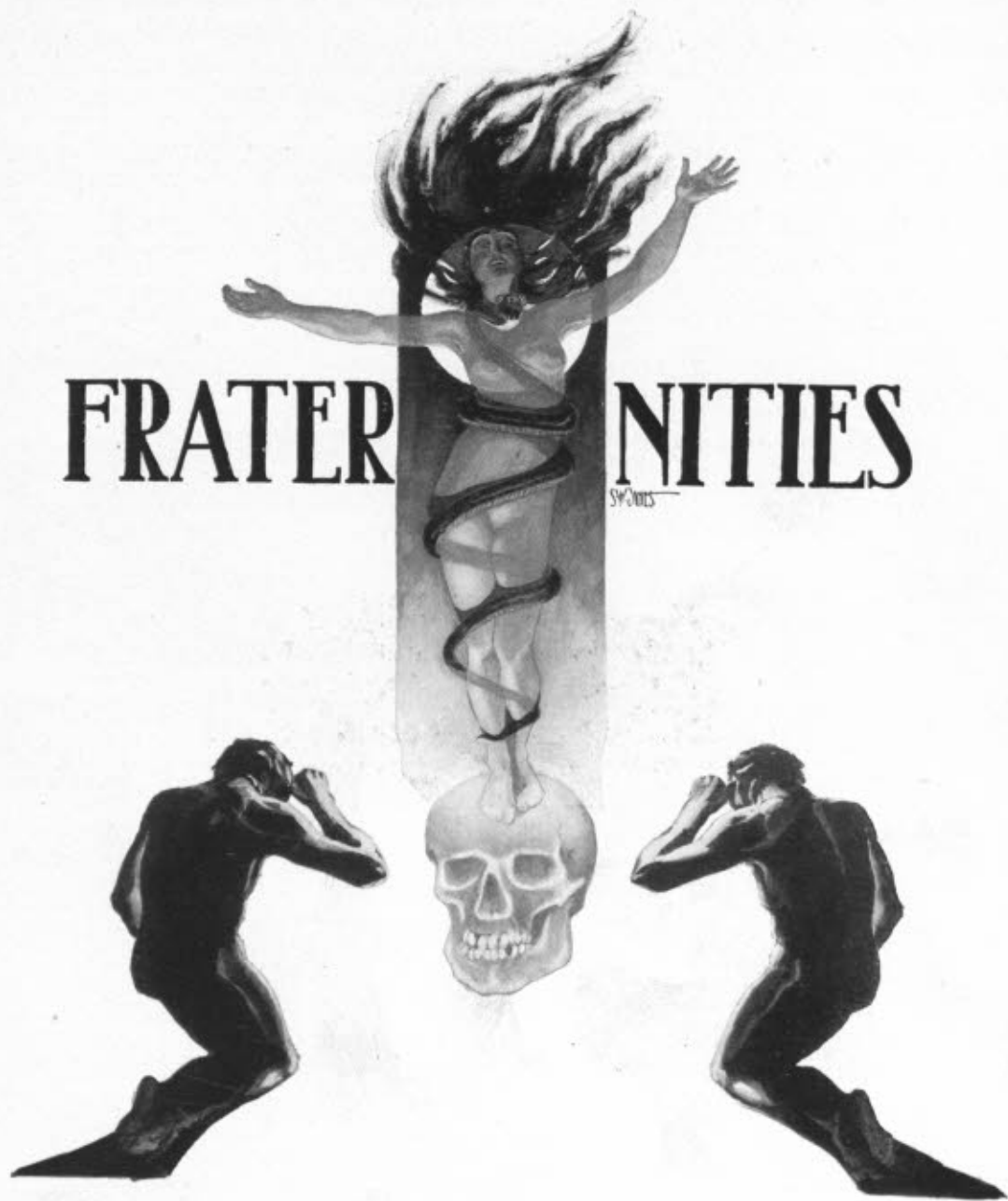


When all these furious frays were fought, and peace at last returned,  
 We settled down and 'gan to think of lessons to be learned ;  
 For many were the fellows who related, without glee,  
 That W-lls had flunked them many times in Trigonometry.  
 And up in Rogers, forty-three, sadly I grieve to state,  
 That language strange was freely used about the tinting plate ;  
 And seasoned well with purple oaths are painful recollections  
 Of dreary lectures L-n-s gave to us about projections ;

And also in our Chemistry each one did quickly find,  
Unlike potassium chlorate, it was very safe to grind.  
And so 'twixt W-lls and B-rdw-ll, Frechand Charlie, F--nc-, and P-p-,  
Of living through our Freshman year we haven't got much hope.  
Now that the term has reached an end we soon shall learn our fate;  
They gave us a vacation while they marked the F's down straight;  
So we sadly emptied lockers, and handed back our keys,  
And left with all the spoils of war except a wealth of C's.



# FRATER NITIES



# Greek Letter fraternities

At the Massachusetts Institute of Technology,  
In the Order of Their Establishment.

# Sigma Chi.

## Chapter Roll.

1855. Gamma.	Ohio Wesleyan University . . .	Delaware, Ohio.
1857. Eta.	University of Mississippi . . .	Oxford, Miss.
1858. Lambda.	Indiana University . . .	Bloomington, Ill.
1859. Xi.	De Pauw University . . .	Greencastle, Ind.
1859. Omicron.	Dickinson College . . .	Carlisle, Pa.
1859. Psi.	University of Virginia . . .	Charlottesville, Va.
1863. Alpha Chi.	Pennsylvania State College . . .	State College, Pa.
1863. Theta.	Pennsylvania College . . .	Gettysburg, Pa.
1864. Kappa.	Bucknell University . . .	Lewisburg, Pa.
1866. Zeta.	Washington and Lee University . . .	Lexington, Va.
1866. Rho.	Butler University . . .	Irvington, Ind.
1867. Mu.	Denison University . . .	Grandville, Ohio.
1869. Omega.	Northwestern University . . .	Evanston, Ill.
1871. Chi.	Hanover College . . .	Hanover, Ind.
1872. Sigma Sigma.	Hampden-Sydney College . . .	Hampden-Sydney, Va.
1874. Gamma Gamma.	Randolph-Macon College . . .	Ashland, Va.
1874. Delta Delta.	Purdue University . . .	Lafayette, Ind.
1876. Zeta Zeta.	Center College . . .	Danville, Ky.
1882. Zeta Psi.	University of Cincinnati . . .	Cincinnati, Ohio.
1882. Alpha Gamma.	Ohio State University . . .	Columbus, Ohio.
1882. Alpha Zeta.	Beloit College . . .	Beloit, Wis.
1882. Alpha Theta.	Mass. Institute of Technology . . .	Boston, Mass.
1883. Alpha Epsilon.	University of Nebraska . . .	Lincoln, Neb.
1883. Alpha Iota.	Illinois Wesleyan University . . .	Bloomington, Ill.
1883. Alpha Lambda.	Wisconsin State University . . .	Madison, Wis.
1884. Alpha XI.	University of Kansas . . .	Lawrence, Kan.
1884. Alpha Nu.	University of Texas . . .	Austin, Texas.
1886. Alpha Omicron.	Tulane University . . .	New Orleans, La.
1886. Alpha Pi.	Albion College . . .	Albion, Mich.
1886. Alpha Beta.	University of California . . .	Berkeley, Cal.
1886. Alpha Rho.	Lehigh University . . .	Bethlehem, Pa.
1888. Alpha Sigma.	University of Minnesota . . .	Minneapolis, Minn.
1889. Alpha Tau.	University of North Carolina . . .	Chapel Hill, N. C.
1889. Alpha Upsilon.	University of Southern California . . .	Los Angeles, Cal.
1890. Alpha Phi.	Cornell University . . .	Ithaca, N. Y.
1892. Alpha Psi.	Vanderbilt University . . .	Nashville, Tenn.
1892. Alpha Omega.	Leland Stanford, Jr., University . . .	Palo Alto, Cal.
1893. Eta Eta.	Dartmouth College . . .	Hanover, N. H.
1893. Alpha.	Miami University . . .	Oxford, Ohio.
1893. Alpha Alpha.	Hobart College . . .	Geneva, N. Y.
1893. Kappa Kappa.	University of Illinois . . .	Champaign, Ill.
1894. Lambda Lambda.	Kentucky State College . . .	Lexington, Ky.
1894. Nu Nu.	Columbia College . . .	New York City, N. Y.
1894. Epsilon.	Columbian University . . .	Washington, D. C.
1895. Mu Mu.	West Virginia University . . .	Morgantown, W. Va.
1896. Tau.	Roanoke College . . .	Salem, Va.
1896. Phi Phi.	University of Pennsylvania . . .	Philadelphia, Pa.
1896. Xi Xi.	Missouri State University . . .	Columbia, Mo.
1897. Omicron Omicron.	University of Chicago . . .	Chicago, Ill.
1897. Theta Theta.	University of Michigan . . .	Ann Arbor, Mich.

# Sigma Chi.

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## Alpha Theta Chapter.

ESTABLISHED MARCH 22, 1882.

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### Members.

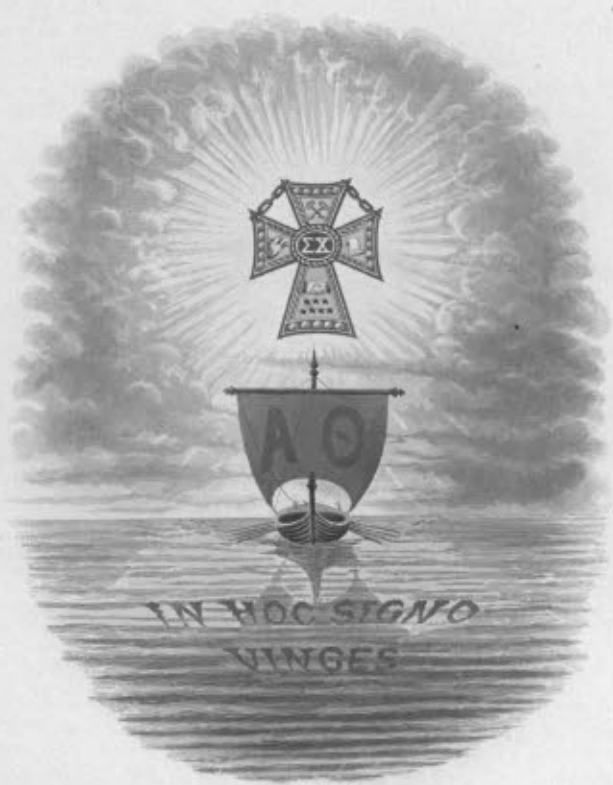
GEORGE DESLER ATWOOD.  
STEPHEN PEARSON BROWN.  
ROBERT HODGEN CLARY.  
WILLIAM RAWSON COLLIER.  
HARLE OREN CUMMINS.  
ARCHIBALD HYDE EHLE.  
JOSEPH DEAN EVANS.  
THOMAS WITHERBEE FOOTE.  
THEODORE VICTOR FOWLER, JR.

THAYER PRESCOTT GATES.  
CLIFFORD ROBSON HAMMOND.  
BARTON HASELTON.  
RONALD KENNEDY.  
GUY MAGEE, JR.  
LEON RHODES THURLOW.  
JOHN ABBET WALLS.  
FRANK ALBERT WERNER.  
CHARLES RICHARD WOODHULL.

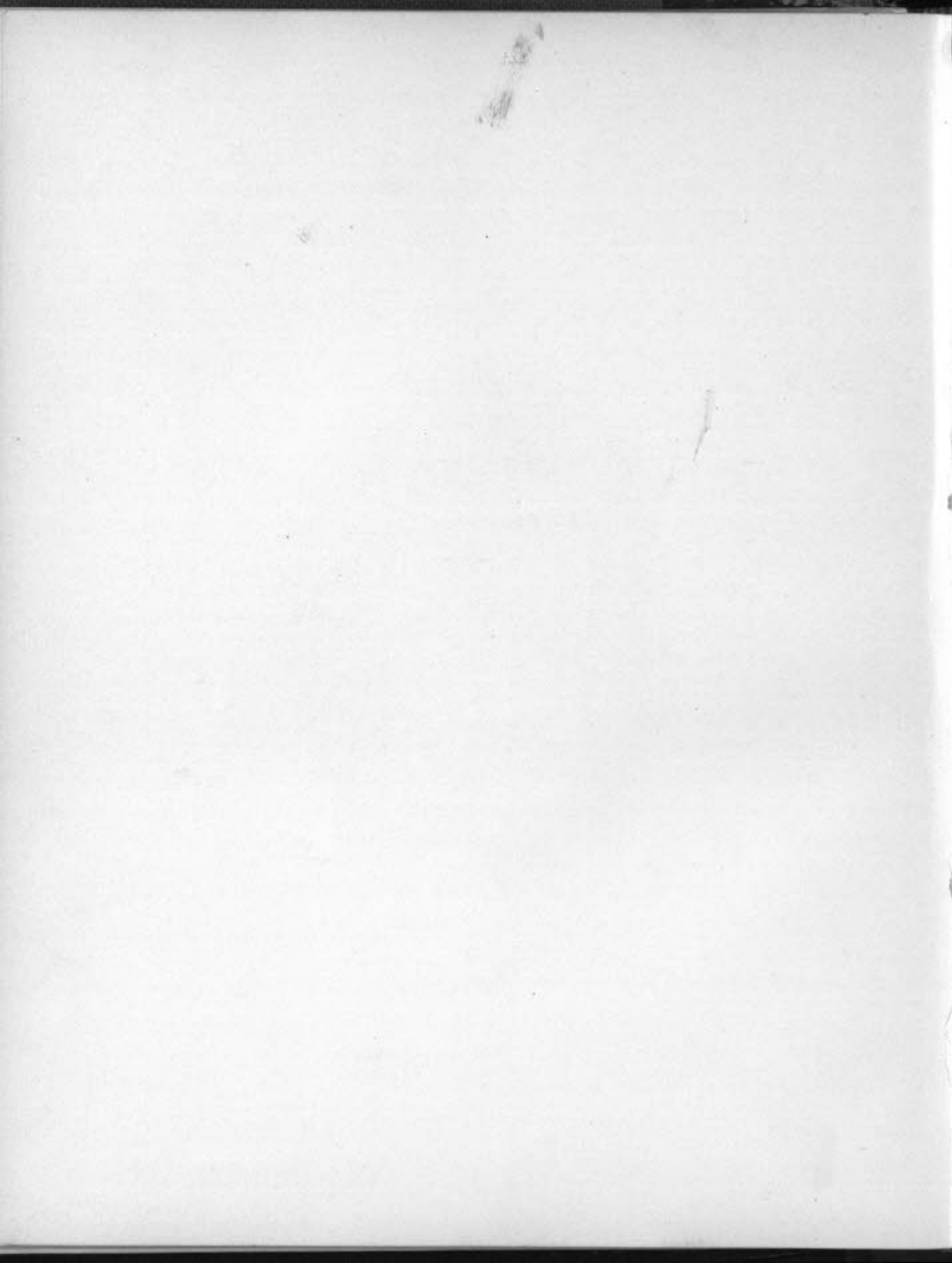
### fratres in Urbe.

HERBERT TYLER BARDWELL.  
JOHN ANDREW CURTIN.  
WILLIAM WORCESTER CUTLER.  
WILLIAM HENRY FOX.  
RHODES GREENE LOCKWOOD.

CHARLES LATHAM NUTTER.  
FARLEY OSGOOD.  
CHARLES BODWELL PAINE.  
FRANK LIVERMORE PIERCE.  
LUCIUS SPALDING TYLER.



EDUCA. PHILA.



## Delta Psi.

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### Chapter Roll.

A.	Columbia College	.	.	.	.	.	.	.	.	New York City.
Δ.	University of Pennsylvania	.	.	.	.	.	.	.	.	Philadelphia, Pa.
E.	Trinity College	.	.	.	.	.	.	.	.	Hartford, Conn.
Λ.	Williams College	.	.	.	.	.	.	.	.	Williamstown, Mass.
Φ.	University of Mississippi	.	.	.	.	.	.	.	.	Oxford, Miss.
Υ.	University of Virginia	.	.	.	.	.	.	.	.	Charlottesville, Va.
Σ.	Sheffield Scientific School	.	.	.	.	.	.	.	.	New Haven, Conn.
T.	Massachusetts Institute of Technology	.	.	.	.	.	.	.	.	Boston, Mass.

# Delta Psi.

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## Tau Chapter.

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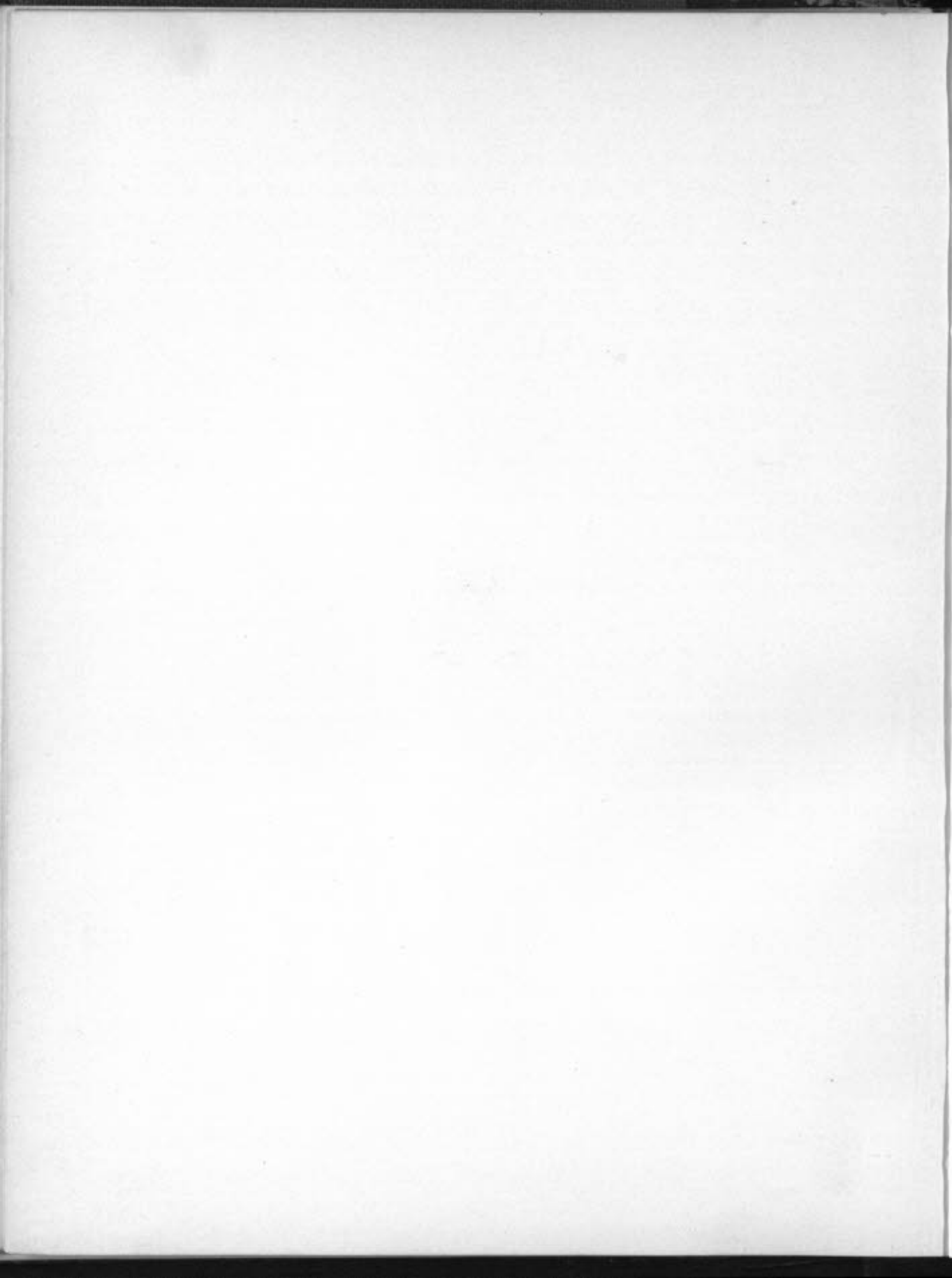
### Members.

EDWARD PIERREPONT BECKWITH.  
JOHN STEARNS BLEECKER.  
ROBERT MASON DERBY.  
ROBERT FRAZER, JR.  
HENRY LINCOLN GREEN.  
BERTRAM WILLIAM BATCHELDER GREENE.  
CHANDLER HOVEY.  
EDWARD TOWNSEND HOWES.  
PORTER BOLLES JORDAN. (Y.)  
CHARLES WETMORE KELLOGG, JR.  
JAMES BRADFORD LAWS.

RUSSELL BRYANT LOWE.  
THEODORE GAZLAY MILLER.  
CHARLES GALLOUPE MIXTER.  
WILLIAM JASON MIXTER.  
RALPH PLUMB.  
ANDREW ELIOT RITCHIE.  
MARCY LEAVENWORTH SPERRY.  
ROLAND WILLIAMS STEBBINS.  
LEWIS STEWART.  
JAMES LOOCKERMANN TAYLOR, JR.  
WILLIAM WHIPPLE.



Proba.



# Chi Phi.

## Chapter Roll.

A.	University of Virginia	Charlottesville, Va.
B.	Massachusetts Institute of Technology	Boston, Mass.
T.	Emory College	Oxford, Ga.
Δ.	Rutgers College	New Brunswick, N. J.
E.	Hampden-Sydney College	Hampden-Sydney, Va.
Z.	Franklin and Marshall College	Lancaster, Pa.
H.	University of Georgia	Athens, Ga.
Θ.	Rensselaer Polytechnic Institute	Troy, N. Y.
I.	Ohio State University	Columbus, Ohio.
Λ.	University of California	Berkeley, Cal.
M.	Stevens Institute of Technology	Hoboken, N. J.
N.	University of Texas	Austin, Texas.
Ξ.	Cornell University	Ithaca, N. Y.
Ο.	Sheffield Scientific School, Yale University	New Haven, Conn.
Π.	Vanderbilt University	Nashville, Tenn.
P.	Lafayette College	Easton, Pa.
Σ.	Wofford College	Spartanburg, S. C.
Φ.	Amherst College	Amherst, Mass.
Ψ.	Lehigh University	South Bethlehem, Pa.

# Chi Phi.

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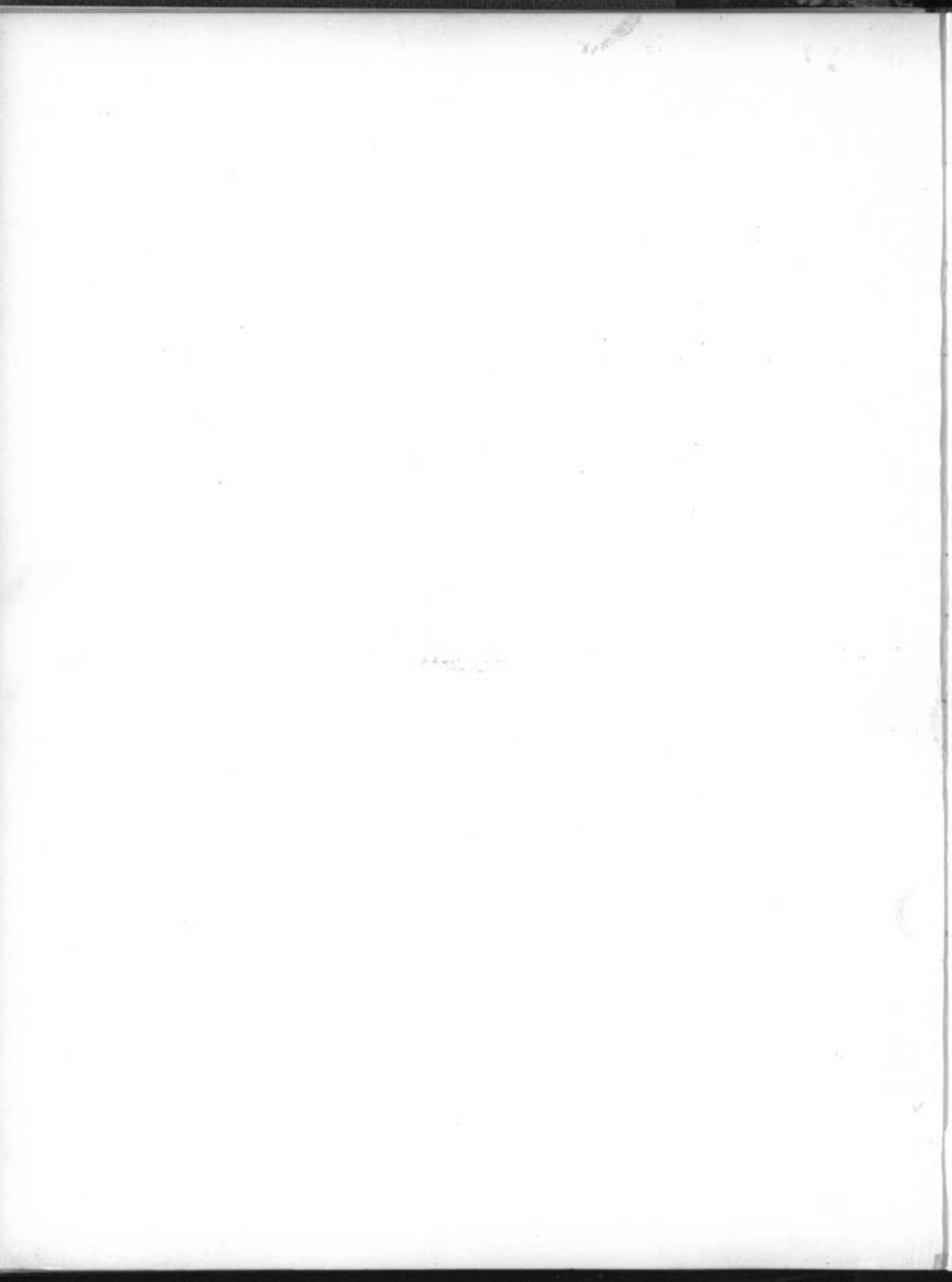
## Beta Chapter.

CHARLES WARD ADAMS.  
ALLEN LANSING APPLETON.  
CARL THOMPSON BILYEA.  
CHARLES CALVIN BRIGGS, JR.  
GEORGE BRIGHT, JR.  
GEORGE WINSLOW BROWN.  
WALTER LORRAIN COOK.  
WILLIAM LEHMER CURRY.

JOHN MYERS EGAN.  
SAMUEL BASS ELBERT.  
RUSSELL HENRY GLOVER.  
ALEXANDER RIEMAN HOLLIDAY.  
HARRY GEORGE KOCH.  
FREDERIC ICKES MERRICK.  
GEORGE OTTO SCHNELLER.  
PHILIP REEDER SMITH.

EDWIN WHITMAN STURTEVANT.





# Delta Kappa Epsilon.

## Chapter Roll.

Phi.	Yale University . . . . .	1844
Theta.	Bowdoin College . . . . .	1844
Xi.	Colby University . . . . .	1845
Sigma.	Amherst College . . . . .	1846
Gamma.	Vanderbilt University . . . . .	1847
Psi.	University of Alabama . . . . .	1847
Upsilon.	Brown University . . . . .	1850
Chi.	University of Mississippi . . . . .	1850
Beta.	University of North Carolina . . . . .	1851
Eta.	University of Virginia . . . . .	1852
Kappa.	Miami University . . . . .	1852
Lambda.	Kenyon College . . . . .	1852
Pi.	Dartmouth College . . . . .	1853
Iota.	Central University of Kentucky . . . . .	1854
Alpha Alpha.	Middlebury College . . . . .	1854
Omicron.	University of Michigan . . . . .	1855
Epsilon.	Williams College . . . . .	1855
Rho.	Lafayette College . . . . .	1855
Tau.	Hamilton College . . . . .	1856
Mu.	Colgate University . . . . .	1856
Nu.	College of the City of New York . . . . .	1856
Beta Phi.	University of Rochester . . . . .	1856
Phi Chi.	Rutgers College . . . . .	1861
Psi Phi.	De Pauw University . . . . .	1866
Gamma Phi.	Wesleyan University . . . . .	1867
Psi Omega.	Rensselaer Polytechnic . . . . .	1867
Beta Chi.	Adelbert College . . . . .	1868
Delta Chi.	Cornell University . . . . .	1870
Delta Delta.	Chicago University . . . . .	1870
Phi Gamma.	Syracuse University . . . . .	1871
Gamma Beta.	Columbia College . . . . .	1874
Theta Zeta.	University of California . . . . .	1876
Alpha Chi.	Trinity College . . . . .	1879
Phi Epsilon.	University of Minnesota . . . . .	1889
Sigma Tau.	Massachusetts Institute of Technology . . . . .	1890
Tau Lambda.	Tulane University . . . . .	1898
Alpha Phi.	University of Toronto . . . . .	1898

# Delta Kappa Epsilon.

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## Sigma Tau Chapter.

ESTABLISHED 1890.

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### *frater in facultate.*

ALFRED EDGAR BURTON.

### *Members.*

KENNETH MALLON BLAKE.  
JOHN STANNARD BRONSON.  
MATTHEW CHAUNCEY BRUSH.  
EDWARD BAILEY COOKE.  
STANLEY GAY HYDE FITCH.  
HERBERT MERRITT FLANDERS.  
FREDERIC WILLIAM FREEMAN.  
HARRY LAMAR GRANT.  
MILTON WESTON HALL.  
ARDO HERING.  
ALBERT EATON LOMBARD.  
HERBERT AUSTIN MACPHERSON.

CHARLES VAN MERRICK.  
ALBERT VOLTAIRE MÖLLER.  
ARTHUR SMITH MORE.  
WORTHINGTON PALMER.  
HERBERT HUGH RIDDLE.  
LEWIS WETMORE RIDDLE.  
HAVEN SAWYER.  
HENRY HODGMAN SAYLOR.  
CHARLES ALFRED SMITH.  
HARRY LANCASTER STRAND.  
JOHN ALDEN TROTT.  
ETHEREDGE WALKER.

AUSTIN CLARENCE WOOD.

### *frater in Collegio.*

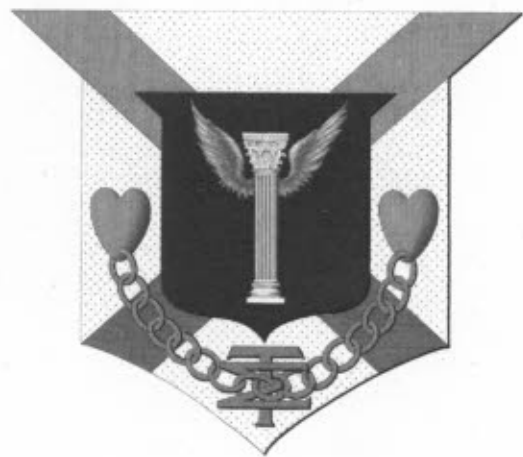
WILLIAM OTIS SAWTELLE.

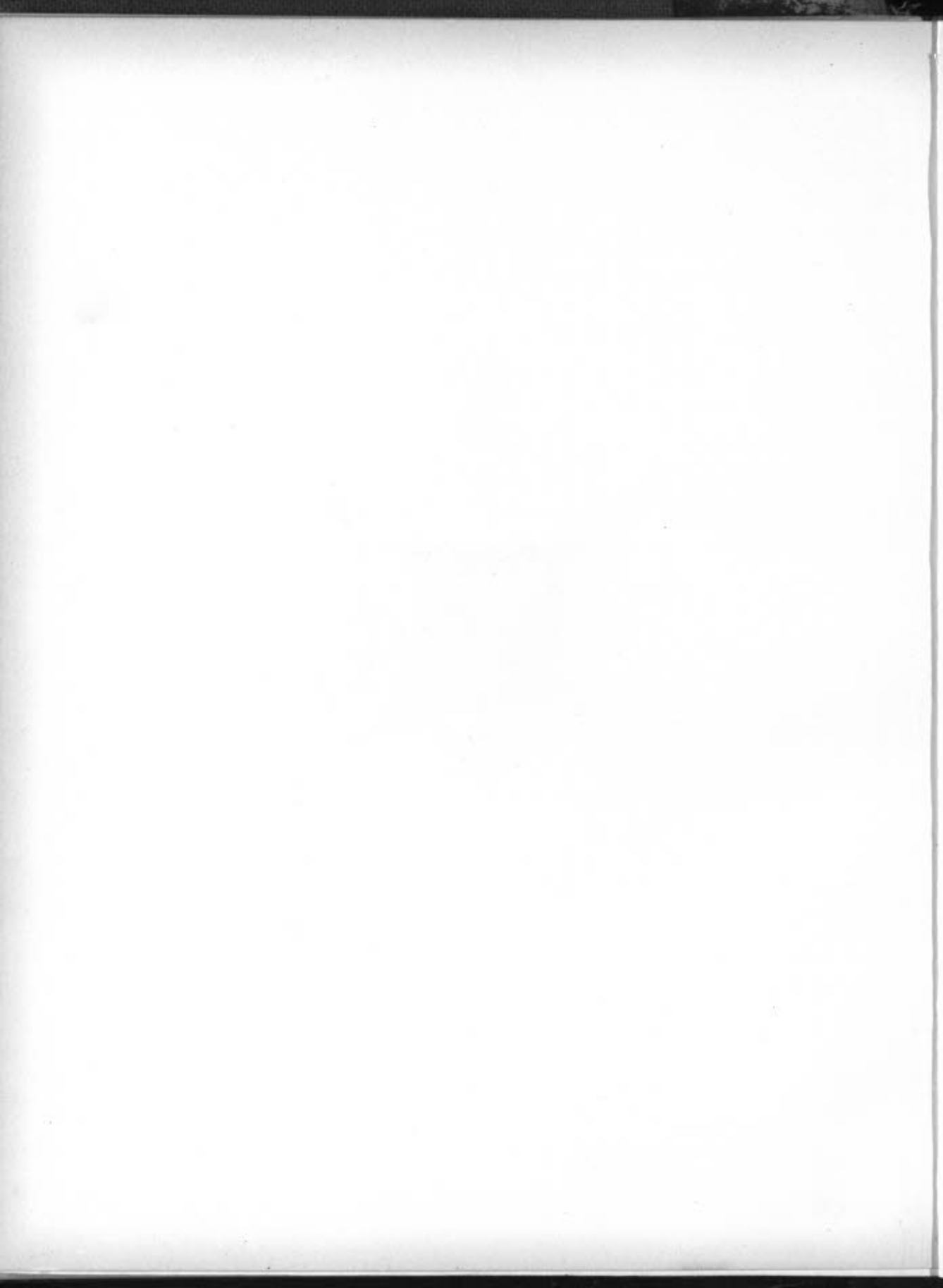
### *fratres in Urbe.*

FREDERICK CHAMBERS BLANCHARD.  
GEORGE BURNHAM.  
WILLIAM STUART FORBES.  
ISAAC BREWSTER HAZELTON.  
HENRY FORD HOIT.  
HOWELL FISHER.

WALTER HUMPHREYS.  
EDWARD LAWRENCE HURD.  
CHARLES GILMAN HYDE.  
ALLEN WINCHESTER JACKSON.  
LEONARD METCALF.  
BENJAMIN FRANKLIN WINSLOW RUSSEL.

MAURICE DE KAY THOMPSON.





# Phi Beta Epsilon.

FOUNDED 1890.

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LOCAL AT TECHNOLOGY.

## Phi Beta Epsilon.

---

### Members.

HAROLD OSGOOD AYER.  
ROBERT SOUTHWICK BALDWIN.  
THEODORE WILLIAM BRIGHAM.  
PAUL ERNEST CHALIFOUX.  
FREDERICK CUSHING CROSS.  
JOHN LEE CURTISS.  
RICHARD BAKER DERBY.  
PRESTON YARNELL DUNWOODY.  
LAMMOT DU PONT.  
WALTER HAVENS FARMER.

EDWARD HOSMER HAMMOND.  
LAMMOT DU PONT HOUNSFIELD.  
HARRY GEORGE JOHNSON.  
RAY MURRAY.  
FREDERICK ARTHUR POOLE.  
THOMAS PENDLETON ROBINSON.  
GERALD BASIL STREET.  
CHARLES ADRIAN SAWYER, JR.  
JOHN BYCE TURNER.  
CHARLES ALBERT WATROUS.

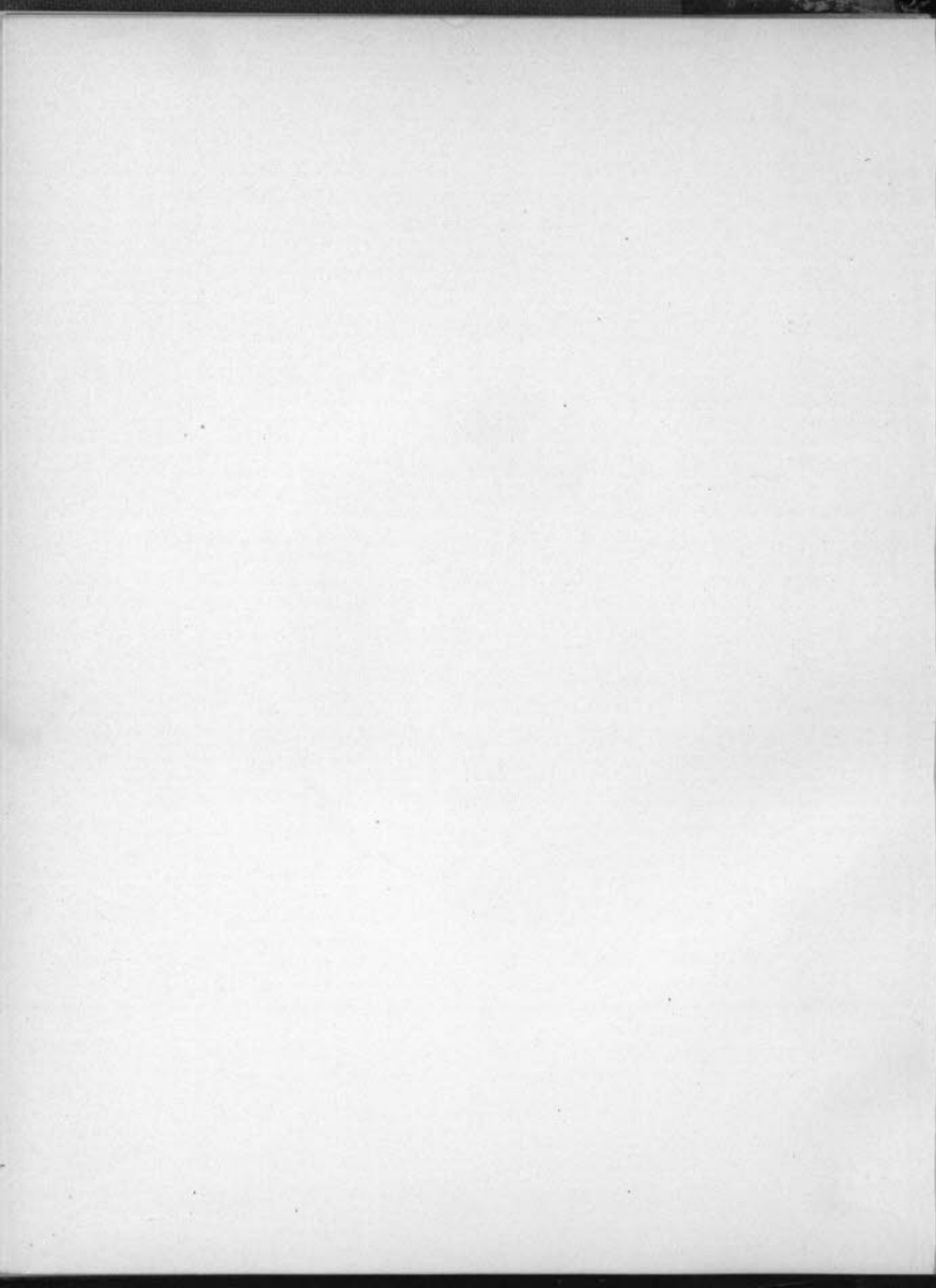
### fratres in Urbe.

CHARLES W. AIKEN.  
AZEL AMES, JR.  
GEORGE R. ANTHONY.  
STEPHEN BOWEN.  
HENRY A. FISK.  
SUMNER H. FOSTER.  
ANDREW D. FULLER.  
DU RELLE GAGE.  
GEORGE M. HAYDEN.

BENJAMIN HURD.  
EDWARD H. HUXLEY.  
RALPH E. SAWYER, JR.  
GEORGE W. SHERMAN.  
ALBERT H. SPAHR.  
WALTER M. STEARNS.  
W. C. THALHEIMER.  
J. GIFFORD THOMPSON.  
WILLIAM E. WEST.



*Desken. Phila.*



# Delta Upsilon.

FOUNDED AT WILLIAMS COLLEGE, 1834.

## Chapter Roll.

1834.	Williams	.	.	.	.	.	.	.	.	Williamstown, Mass.
1838.	Union	.	.	.	.	.	.	.	.	Schenectady, N. Y.
1847.	Hamilton	.	.	.	.	.	.	.	.	Clinton, N. Y.
1847.	Amherst	.	.	.	.	.	.	.	.	Amherst, Mass.
1847.	Adelbert	.	.	.	.	.	.	.	.	Cleveland, Ohio.
1852.	Colby	.	.	.	.	.	.	.	.	Waterville, Me.
1852.	Rochester	.	.	.	.	.	.	.	.	Rochester, N. Y.
1856.	Middlebury	.	.	.	.	.	.	.	.	Middlebury, Vt.
1857.	Bowdoin	.	.	.	.	.	.	.	.	Brunswick, Me.
1858.	Rutgers	.	.	.	.	.	.	.	.	New Brunswick, N. J.
1860.	Brown	.	.	.	.	.	.	.	.	Providence, R. I.
1865.	Colgate	.	.	.	.	.	.	.	.	Hamilton, N. Y.
1865.	New York	.	.	.	.	.	.	.	.	New York City.
1869.	Cornell	.	.	.	.	.	.	.	.	Ithaca, N. Y.
1870.	Marietta	.	.	.	.	.	.	.	.	Marietta, Ohio.
1873.	Syracuse	.	.	.	.	.	.	.	.	Syracuse, N. Y.
1876.	Michigan	.	.	.	.	.	.	.	.	Ann Arbor, Mich.
1880.	Northwestern	.	.	.	.	.	.	.	.	Evanston, Ill.
1880.	Harvard	.	.	.	.	.	.	.	.	Cambridge, Mass.
1885.	Wisconsin	.	.	.	.	.	.	.	.	Madison, Wis.
1885.	Lafayette	.	.	.	.	.	.	.	.	Easton, Pa.
1885.	Columbia	.	.	.	.	.	.	.	.	New York City.
1885.	Lehigh	.	.	.	.	.	.	.	.	South Bethlehem, Pa.
1886.	Tufts	.	.	.	.	.	.	.	.	West Somerville, Mass.
1887.	De Pauw	.	.	.	.	.	.	.	.	Greencastle, Ind.
1888.	Pennsylvania	.	.	.	.	.	.	.	.	Philadelphia, Pa.
1890.	Minnesota	.	.	.	.	.	.	.	.	Minneapolis, Minn.
1891.	Technology	.	.	.	.	.	.	.	.	Boston, Mass.
1894.	Swathmore	.	.	.	.	.	.	.	.	Swathmore, Pa.
1895.	California	.	.	.	.	.	.	.	.	Berkeley, Cal.
1895.	Leland Stanford, Jr.	.	.	.	.	.	.	.	.	Palo Alto, Cal.
1898.	Nebraska	.	.	.	.	.	.	.	.	Lincoln, Neb.
1898.	McGill	.	.	.	.	.	.	.	.	Montreal, Canada.

# Delta Upsilon.

## Technology Chapter.

ESTABLISHED 1891.

### *frater in facultate.*

FRANK VOGEL.

### Members.

WARREN IRA BICKFORD.	REDFIELD PROCTOR, JR.
WALTER CRANE CHAFFEE.	WALTER LOUIS RAPP.
GEORGE PHILLIPS DIKE.	MILES STANDISH RICHMOND.
WILLIAM BURWELL FLYNN.	GARDNER ROGERS.
CYRUS HOWARD HAPGOOD.	RALPH ROOT.
WILLIAM BALDWIN HOUGH.	GEORGE TILLEY SEABURY.
JOHN WINSLOW HERR.	STANLEY COLLAMORE SEARS.
HERBERT MILTON MACMASTER.	CHARLES EDWIN SHERMAN.
PHILIP WYATT MOORE.	CLIFFORD MELVILLE SWAN.
STANLEY MOTCH.	JACOB STONE, JR.
PERCY HARRY PARROCK.	EVERETT PENDLETON TURNER.
JAMES ALFRED PATCH.	HOWARD CHUBBUCK TURNER.

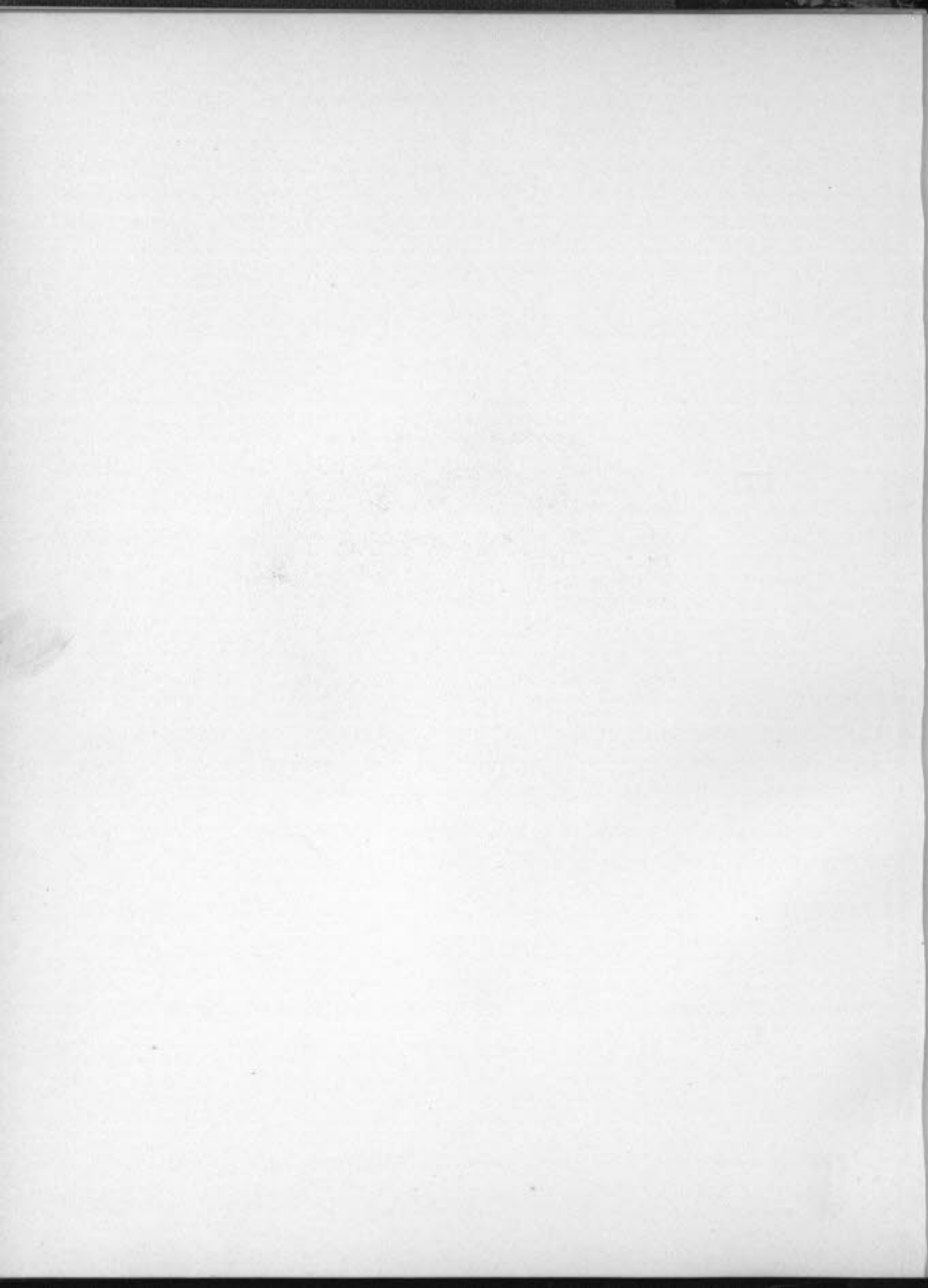
ROBERT BRUCE WALLACE.

### *fratres in Urbe.*

JOSHUA ATWOOD, 3D.	CHARLES WARREN HAPGOOD.
MAURICE LE BOSQUE.	WILLIAM SPENCER HUTCHINSON.
LOUIS DERR.	WALTER ELBRIDGE PIPER.
CHARLES WASHINGTON DUNN.	THOMAS GLEASON RICHARDS.
ALBERT LINCOLN KENDALL.	JOHN CARLETON SHERMAN.
ARTHUR SAMUEL KEENE.	WILLIAM RANDOLPH STRICKLAND.
WILLIS TAYLOR KNOWLTON.	ALFRED BALL TENNEY.

ALFRED EDWARD ZAPP.





# Sigma Alpha Epsilon.

FOUNDED IN 1856, AT ALABAMA STATE UNIVERSITY, TUSCALOOSA, ALABAMA.

## Chapter Roll.

Mass. Beta Upsilon.	Boston University	Boston, Mass.
Mass. Iota Tau.	Massachusetts Institute of Technology	Boston, Mass.
Mass. Gamma.	Harvard University	Cambridge, Mass.
Mass. Delta.	Worcester Polytechnic Institute	Worcester, Mass.
Conn. Alpha.	Trinity College	Hartford, Conn.
N. Y. Alpha.	Cornell University	Ithaca, N. Y.
N. Y. Mu.	Columbia University	New York, N. Y.
N. Y. Sigma Phi.	St. Stephen's College	Annandale, N. Y.
Penn. Omega.	Allegheny College	Meadville, Pa.
Penn. Sigma Phi.	Dickinson College	Carlisle, Pa.
Penn. Alpha Zeta.	Pennsylvania State College	State College, Pa.
Penn. Zeta.	Bucknell University	Lewisburg, Pa.
Va. Omicron.	University of Virginia	Charlottesville, Va.
Va. Sigma.	Washington and Lee University	Lexington, Va.
N. C. Xi.	University of North Carolina	Chapel Hill, N. C.
N. C. Theta.	Davidson College	Davidson, N. C.
S. C. Delta.	South Carolina College	Columbia, S. C.
S. C. Phi.	Furman University	Greenville, S. C.
S. C. Gamma.	Wofford College	Spartanburg, S. C.
Ga. Beta.	University of Georgia	Athens, Ga.
Ga. Psi.	Mercer University	Macon, Ga.
Ga. Epsilon.	Emory College	Oxford, Ga.
Ga. Phi.	Georgia School of Technology	Atlanta, Ga.
Mich. Iota Beta.	University of Michigan	Ann Arbor, Mich.
Mich. Alpha.	Adrian College	Adrian, Mich.
Ohio Sigma.	Mt. Union College	Alliance, Ohio.
Ohio Delta.	Ohio Wesleyan University	Delaware, Ohio.
Ohio Epsilon.	University of Cincinnati	Cincinnati, Ohio.
Ohio Theta.	Ohio State University	Columbus, Ohio.
Ind. Alpha.	Franklin College	Franklin, Ind.
Ind. Beta.	Perdue University	Lafayette, Ind.
Ill. Psi. Omega.	Northwestern University	Evansville, Ill.
Ill. ———	University of Illinois	Urbana, Ill.
Ky. Kappa.	Central University	Richmond, Ky.
Ky. Iota.	Bethel College	Russellville, Ky.
Tenn. Zeta.	Southwestern Presbyterian University	Clarksville, Tenn.
Tenn. Lambda.	Cumberland University	Lebanon, Tenn.
Tenn. Nu.	Vanderbilt University	Nashville, Tenn.
Tenn. Kappa.	University of Tennessee	Knoxville, Tenn.
Tenn. Omega.	University of the South	Sewanee, Tenn.
Tenn. Eta.	Southwestern Baptist University	Jackson, Tenn.
Ala. Mu.	University of Alabama	Tuscaloosa, Ala.
Ala. Iota.	Southern University	Greenboro, Ala.
Ala. Alpha Mu.	Alabama Polytechnic Institute	Auburn, Ala.
Miss. Gamma.	University of Mississippi	Oxford, Miss.
Mo. Alpha.	University of Missouri	Columbia, Mo.
Mo. Beta.	Washington University	St. Louis, Mo.
Neb. Lambda Pi.	University of Nebraska	Lincoln, Neb.
Ark. Alpha Upsilon.	University of Arkansas	Fayetteville, Ark.
Tex. Rho.	University of Texas	Austin, Tex.
Col. Chi.	University of Colorado	Boulder, Col.
Col. Zeta.	Denver University	Denver, Col.
Cal. Alpha.	Leland Stanford, Jr., University	Palo Alto, Cal.
Cal. Beta.	University of California	Berkeley, Cal.
La. Tau Upsilon.	Tulane University	New Orleans, La.
La. Epsilon.	Louisiana State University	Baton Rouge, La.

# Sigma Alpha Epsilon.

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## Massachusetts Iota Tau Chapter.

---

### Members.

HARRY VASS ALLEN.  
DONALD MINOR BELCHER.  
EDWIN PARKS BURDICK.  
FREDERICK HOSMER COOKE.  
EARL BENHAM CRANE.  
LOUIS AUSTIN CROWELL.  
EDWARD HENRY CUTTER.  
NEWMAN LORING DANFORTH.  
CHARLES WALLACE EWART.  
CHARLES MUSSEY FOSDICK.  
FLOYD JAMES FOSTER.  
ELMER LOUIS GERBER.

ALONZO KEYT ISHAM.  
KING HARDING KNOX.  
FRANK GEORGE LANE.  
JAMES ALBERT MCALLEP.  
LESLIE WALKER MILLAR.  
LESTER FREEMAN MILLER.  
CARL LEON MORGAN.  
HARRY BRADFORD POND.  
LOUIS ANDREW STADLER.  
JAMES ALEXANDER STETSON.  
EDWARD GORDON THATCHER.  
CLARENCE HOWARD WALKER.

### frater in Collegio.

WILLIAM THOMAS HALL.

### fratres in Urbe.

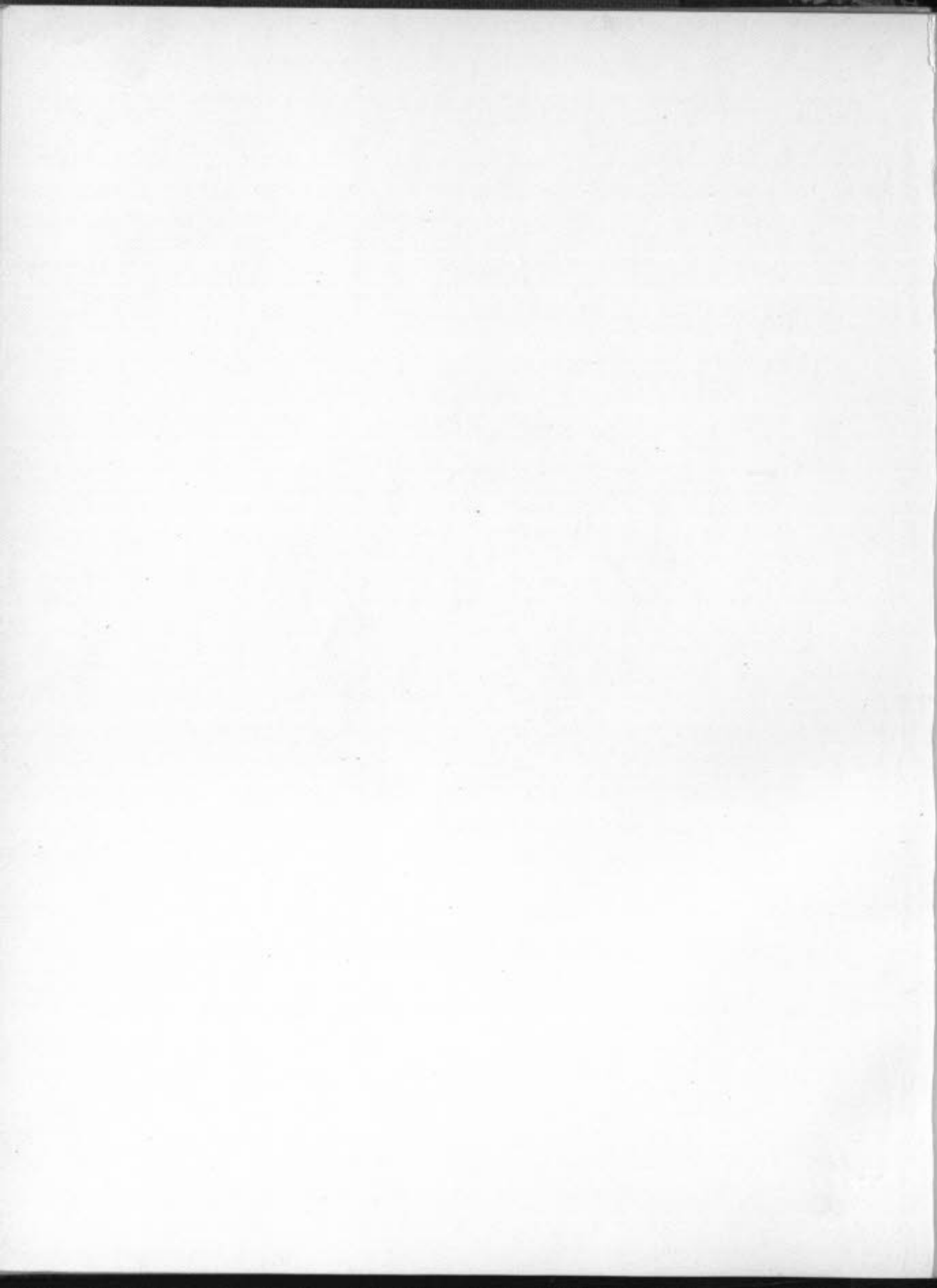
WALLACE CLARK BRACKETT.  
HAROLD CHASE BUCKMINSTER.  
RUSSEL SAMUEL BUCKER.  
CHARLES SPENCER CRANE.  
WILLIAM WYMAN CROSBY.

HERBERT NATHAN DAWES.  
JOHN WALLIS FLEET.  
HARRINGTON MACK.  
FRANK BIRD MASTERS.  
WALTER ROBERT PHEMISTER.

ROBERT SIDNEY WASON.



The Pelkey Studio, N. Y. & Phila. U. S. A.



# Delta Tau Delta.

FOUNDED AT BETHANY COLLEGE, JANUARY 1, 1860.

## Chapter Roll.

### Division of the South.

A.	Vanderbilt University	Nashville, Tenn.
Π.	University of Mississippi	Oxford, Miss.
Φ.	Washington and Lee University	Lexington, Va.
B. Δ.	University of Georgia	Athens, Ga.
B. E.	Emory College	Oxford, Ga.
B. Θ.	University of the South	Sewanee, Tenn.
B. I.	University of Virginia	Charlottesville, Va.
B. Ξ.	Tulane University	New Orleans, La.

### Division of the West.

Ο.	University of Iowa	Iowa City, Iowa.
B. Γ.	University of Wisconsin	Madison, Wis.
B. Η.	University of Minnesota	Minneapolis, Minn.
B. Κ.	University of Colorado	Boulder, Col.
B. Π.	Northwestern University	Evanston, Ill.
B. Ρ.	Leland Stanford, Jr., University	Palo Alto, Cal.
B. Τ.	University of Nebraska	Lincoln, Neb.
B. Τ.	University of Illinois	Champaign, Ill.
B. Ω.	University of California	Berkeley, Cal.
Γ. Α.	University of Chicago	Chicago, Ill.

### Division of the North.

B.	Ohio University	Athens, Ohio.
Δ.	University of Michigan	Ann Arbor, Mich.
E.	Albion College	Albion, Mich.
Z.	Adelbert College	Cleveland, Ohio.
K.	Hillsdale College	Hillsdale, Mich.
M.	Ohio Wesleyan University	Delaware, Ohio.
X.	Kenyon College	Gambier, Ohio.
B. Α.	Indiana University	Bloomington, Ind.
B. Β.	De Pauw University	Greencastle, Ind.
B. Ζ.	Butler College, University of Indianapolis	Irvington, Ind.
B. Φ.	Ohio State University	Columbus, Ohio.
B. Ψ.	Wabash College	Crawfordsville, Ind.

### Division of the East.

A.	Allegheny College	Meadville, Pa.
Γ.	Washington and Jefferson College	Washington, Pa.
P.	Stevens Institute of Technology	Hoboken, N. J.
T.	Rensselaer Polytechnic Institute	Troy, N. Y.
Ω.	University of Pennsylvania	Philadelphia, Pa.
B. Α.	Lehigh University	Bethlehem, Pa.
B. Μ.	Tufts College	Tufts College, Mass.
B. Ν.	Massachusetts Institute of Technology	Boston, Mass.
B. Ο.	Cornell University	Ithaca, N. Y.
B. Χ.	Brown University	Providence, R. I.

# Delta Tau Delta.

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## Beta Nu Chapter.

ESTABLISHED MAY, 1889.

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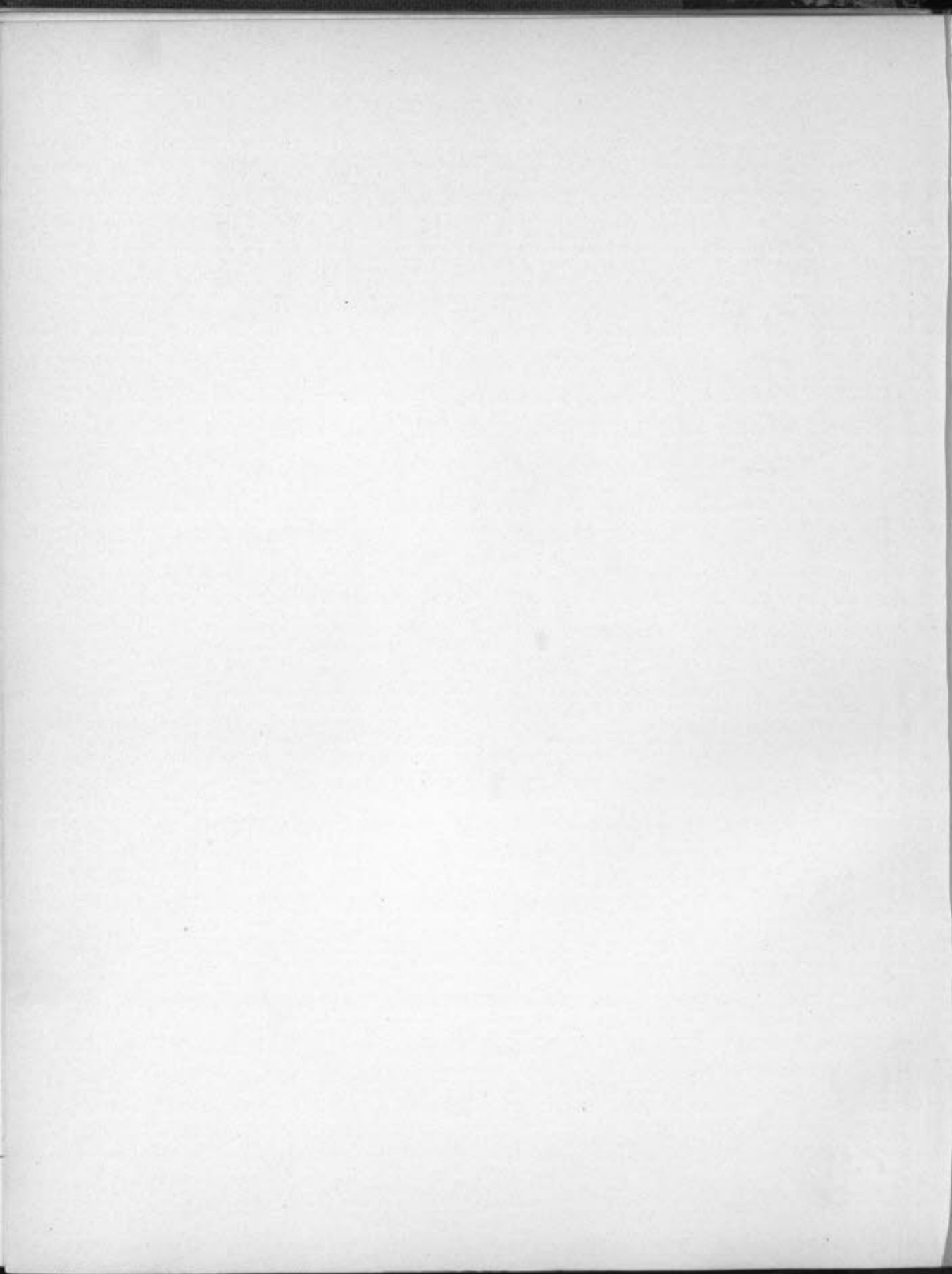
### Members.

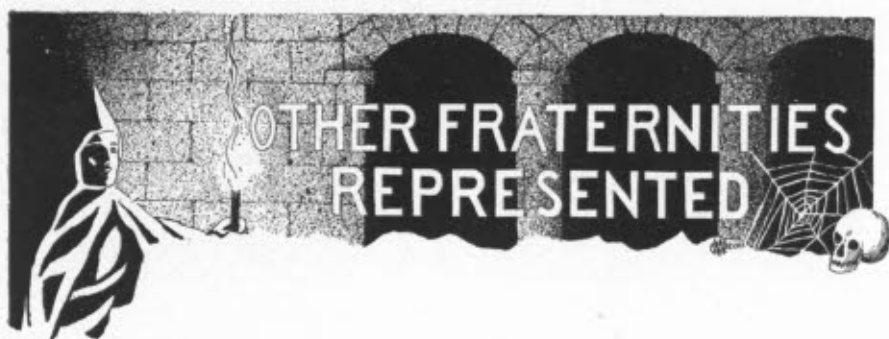
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LEWIS EMERY.  
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GERALD MARTIN RICHMOND	.	.	.	.	.	Amherst.
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#### Q. T. V.

CHARLES FRANKLIN WILLARD	.	.	.	.	Durham, N. H.
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WILLIAM AVERY NILES	.	.	.	.	Yale.
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#### Delta Phi.

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#### Sigma Phi.

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#### Chi Psi.

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Sigma Chi . . . . .	18
Delta Psi . . . . .	22
Chi Phi . . . . .	17
Delta Kappa Epsilon . . . . .	25
Phi Beta Epsilon . . . . .	20
Delta Upsilon . . . . .	25
Sigma Alpha Epsilon . . . . .	24
Delta Tau Delta . . . . .	16
Other Fraternities represented . . . . .	22
	<hr/> 189

Percentage of Fraternity men at Technology, 16.1.

#### Statistics of Fraternity Men at Technology since 1885.

Year.	Number of men.	Per cent.
1885-86 . . . . .	52	8.5
1886-87 . . . . .	42	8.9
1887-88 . . . . .	42	6.1
1888-89 . . . . .	45	5.4
1889-90 . . . . .	93	10.8
1890-91 . . . . .	158	16.0
1891-92 . . . . .	184	17.1
1892-93 . . . . .	207	18.8
1893-94 . . . . .	191	16.5
1894-95 . . . . .	201	16.9
1895-96 . . . . .	192	16.2
1896-97 . . . . .	189	15.8
1897-98 . . . . .	173	14.4
1898-99 . . . . .	189	16.1



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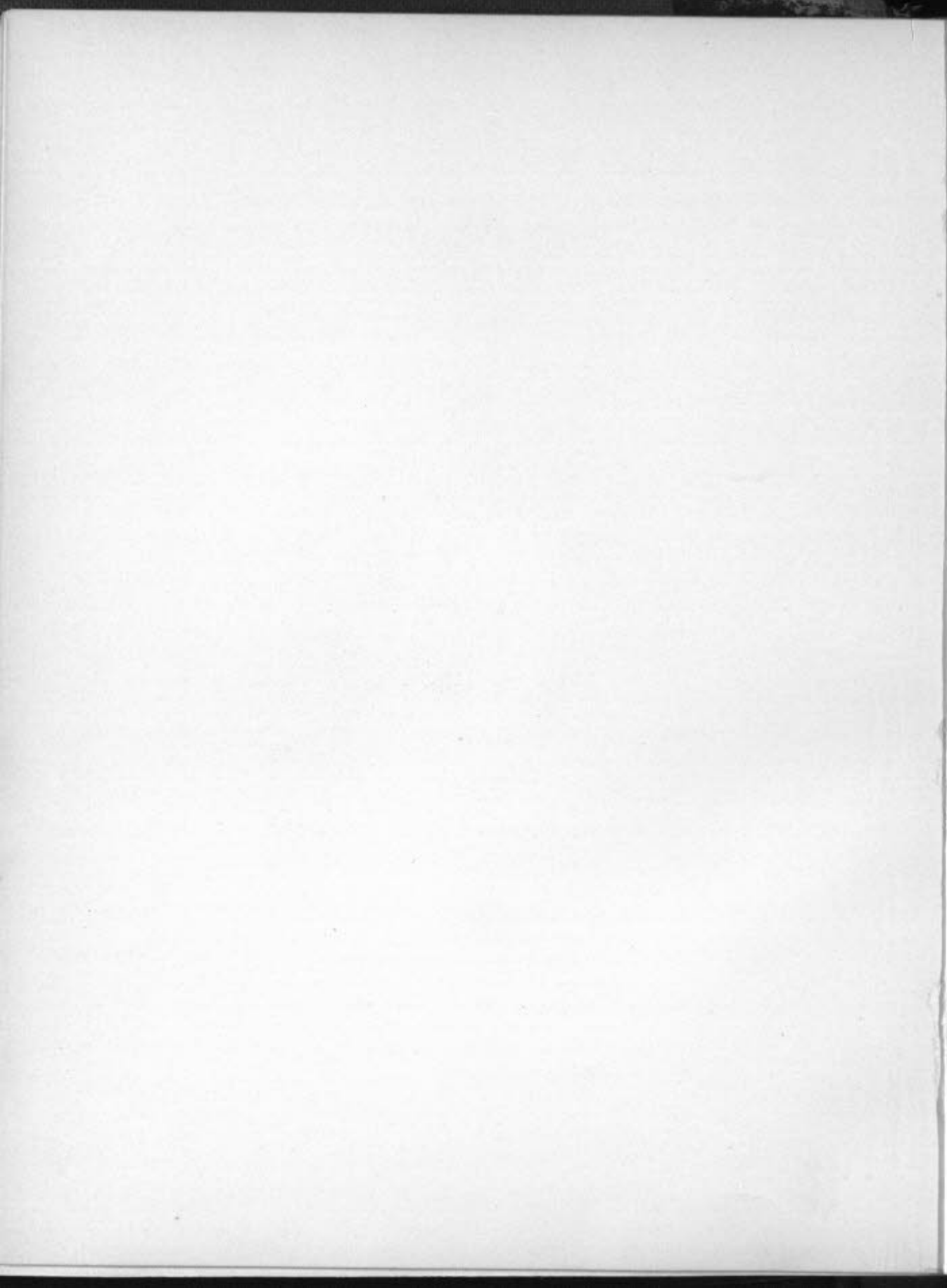
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*Deutscher, Berlin.*





When love was strong and love was young,  
And she was yet to win,  
He used to praise, with flattering tongue,  
Her pretty dimpled chin.  
Now, though she's still his heart's delight,  
As in the bygone years,  
When home he's going late at night,  
It is her chin he fears.

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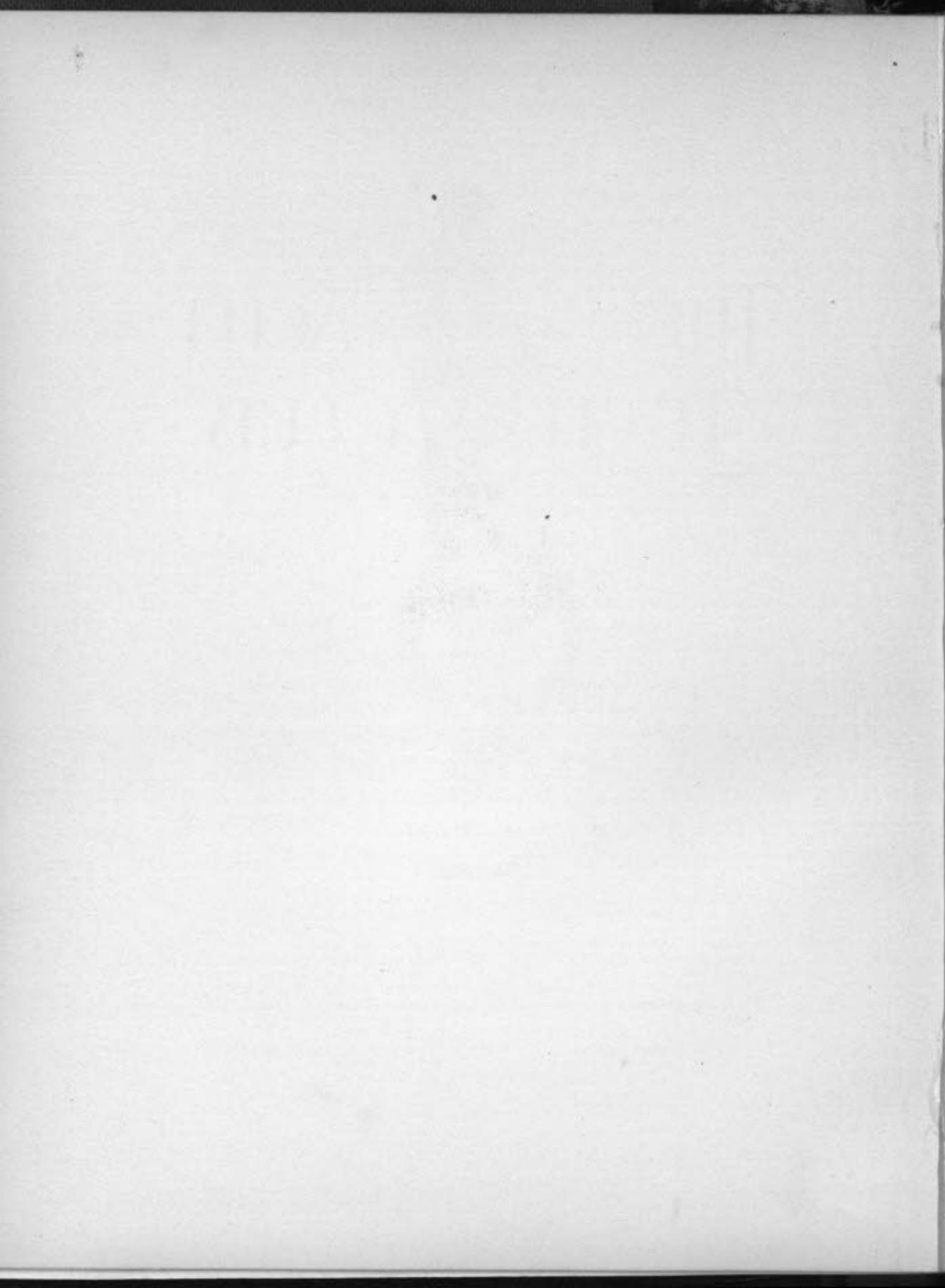
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RALPH PLUMB.

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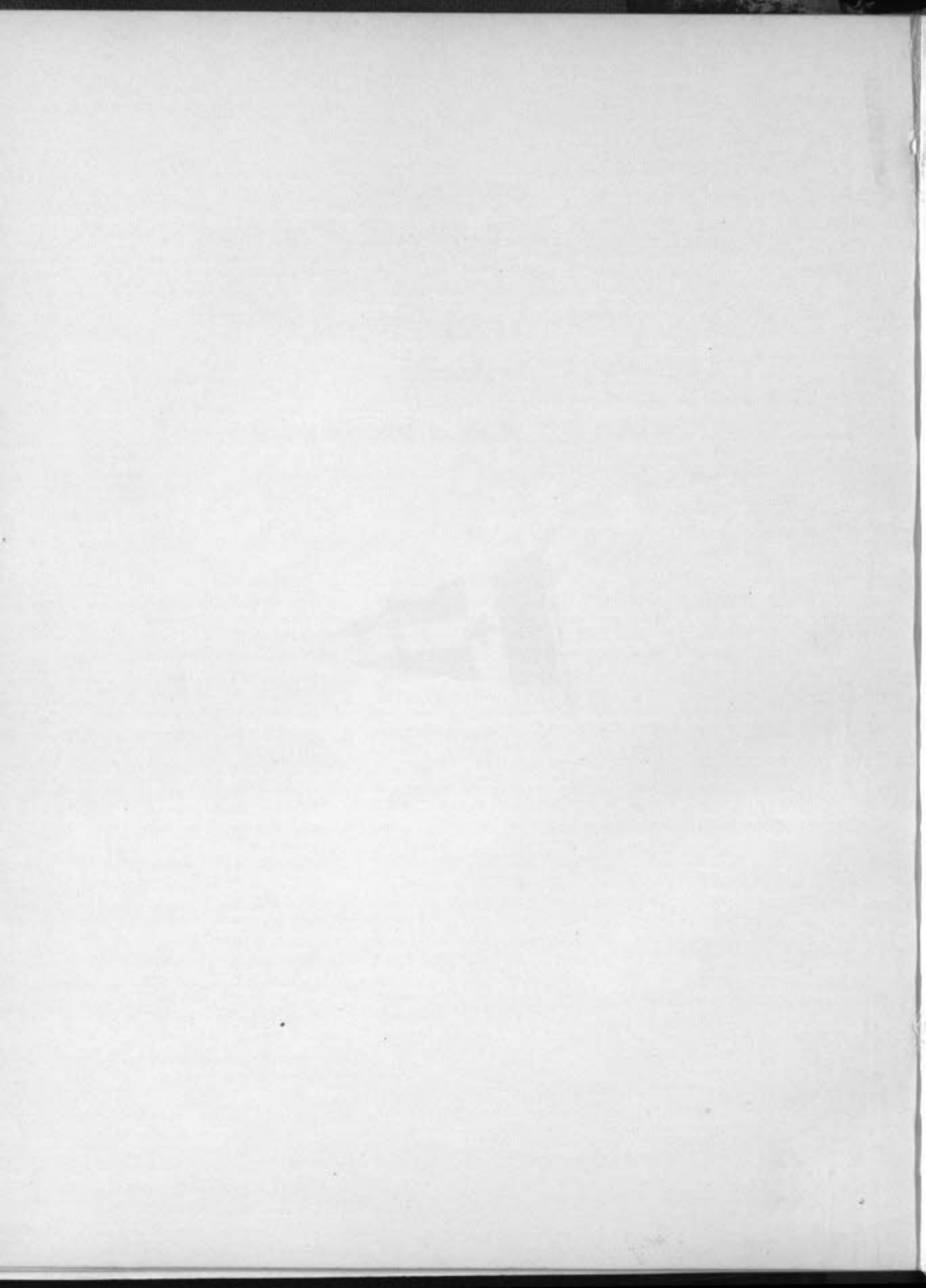
## Yachts Enrolled in the M. I. C. fleet.

Yacht.	Owner.	Port.	Length Over All.	Length on Water Line.	Beam.	Draught.	Center Board or Keel.	Rig.
			Ft.In.	Ft.In.	Ft.In.	Ft.In.		
*America.	Butler Ames.	Boston.	108.0	96.0	22.8	9.0	C. B.	Sch.
Arrow.	E. B. Cooke.	Atlantic City.	16.0	15.0	5.3	0.7	C. B.	L. of M.
Bobolink.	W. Whipple.	Massapequa.	13.6	13.4	6.0	0.10	C. B.	Cat.
*Brynlys.	W. H. Clifford, Jr.	Portland.	—	50.0	—	—	K.	Sch.
*Conquesco.	B. Metcalf.	New York.	31.0	27.5	11.6	3.10	C. B.	Sloop.
Cynthia.	H. Wesson.	Cotuit.	14.0	13.9	6.4	1.0	C. B.	Cat.
Damphino.	A. H. B. Jeffords.	Atlantic City.	26.0	15.0	6.0	0.6	C. B.	J. & M.
Ellide.	W. T. Aldrich.	Providence.	34.0	26.0	9.0	5.6	K.	Cat Yawl.
*Fantasie.	F. C. Field.	New York.	30.0	29.10	11.0	2.9	C. B.	J. & M.
*Ferlie.	E. Sturtevant.	Newport.	18.2	17.10	9.0	1.11	C. B.	Cat.
Goblin.	S. C. Sears.	Winthrop.	19.0	16.2	8.3	0.9	C. B.	J. & M.
Lotus.	M. Barney.	New Bedford.	16.7	12.2	6.0	1.3	C. B.	Cat.
Louise.	E. Johnson, Jr.	Belfast.	22.0	19.0	6.0	4.6	K.	Sch.
May.	W. A. Kinsman.	Salem.	15.0	14.6	4.6	1.2	C. B.	Cat.
Narona.	T. W. Brigham.	S. I. Heights.	39.0	25.0	10.0	4.8	C. B.	J. & M.
*Nordica.	M. W. Allen.	Detroit.	32.0	28.0	11.9	4.11	C. B.	Sloop.
Nueva.	T. W. Brigham.	S. I. Heights.	23.3	15.6	6.0	4.0	K.	J. & M.
†Orchid.	Prof. G. A. Osborne.	Cotuit.	25.6	21.0	10.6	2.6	C. B.	Cat.
Oriole.	Chandler Hovey.	Quissett.	22.10	16.0	5.0	4.0	Fin. K.	J. & M.
†Pioneer.	H. M. Crane.	Boston.	31.0	19.0	6.6	5.0	K.	J. & M.
Quivet.	L. A. Crowell.	East Dennis.	20.5	14.10	7.5	1.3	C. B.	Cat.
†Saladin.	T. P. Loud.	Boston.	42.0	29.9	10.0	7.0	K.	Sloop.
Seconset.	H. Wesson.	Cotuit.	—	21.0	—	—	—	J. & M.
Sinrave.	A. L. Appleton.	Marblehead.	31.8	21.0	7.2	5.3	K.	J. & M.
Spindrift.	B. and S. W. Jones.	Nantucket.	20.0	17.0	7.0	1.4	C. B.	J. & M.

\* Boats owned by graduate members.

† Boats owned by honorary members.







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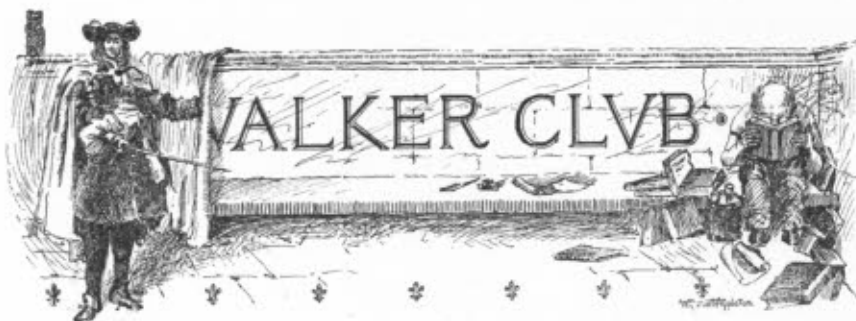
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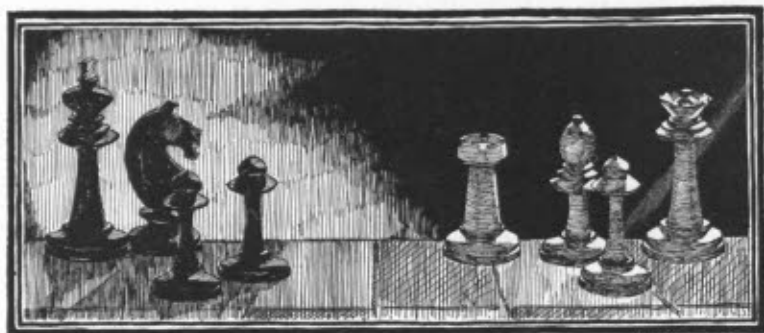
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# The Cooperative Society

The funds accruing to this Society from the sale of membership tickets are devoted to scholarships for deserving students. Since the establishment of the Society, in 1886, it has given thirty-nine scholarships, amounting to five thousand five hundred and sixty dollars.

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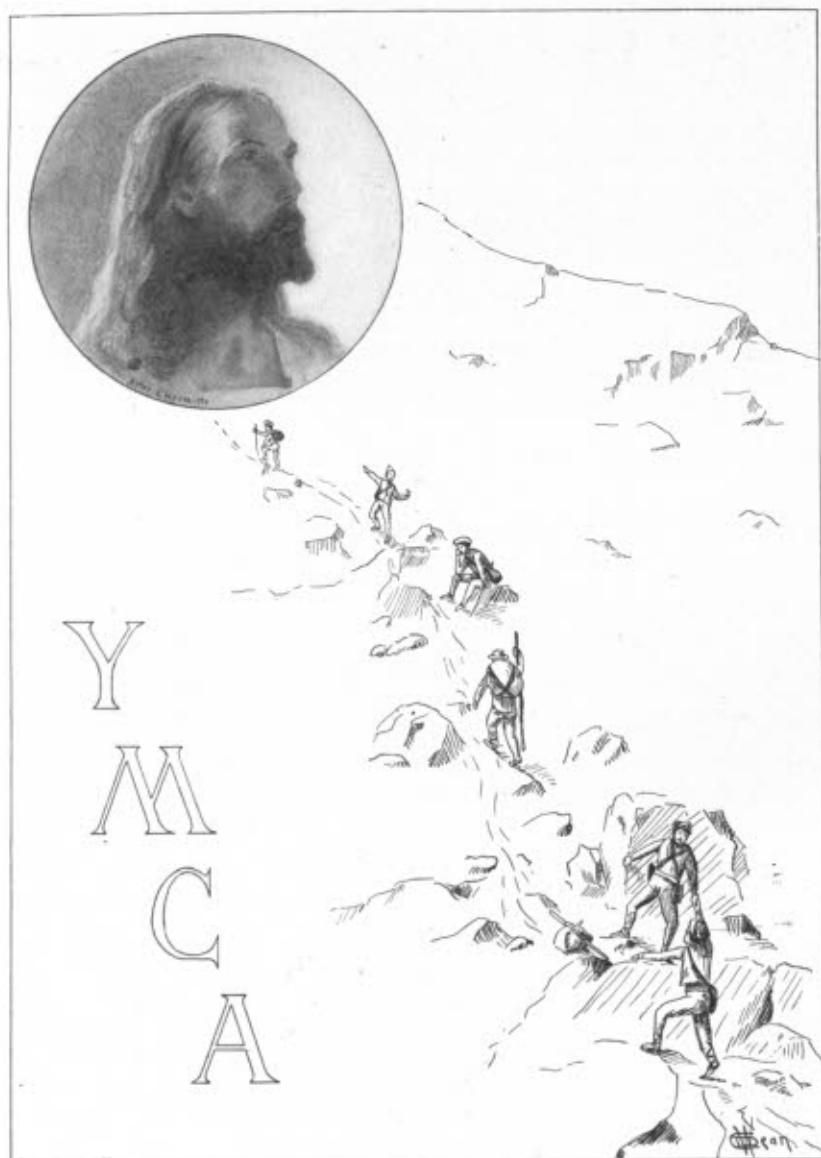
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 HORACE M. SMITH.  
 WILLIAM H. SMITH.\*  
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 ALLEN H. WOODWARD.  
 JOHN W. WOOLETT.  
 PERCY R. ZIEGLER.

\* Deceased.



## Technology Athletics.



THE comparatively recent and rapid spread of interest in athletics is one of the significant indications that Institute men are awakening to the fact that Technology must stand nearer the front in athletics than she has hitherto done. The past athletic season has not been without its interesting features: it has presented some unusual athletes, and eclipsed several performances hitherto accepted as remarkable. Our teams have always been severely handicapped by the lack of proper training quarters, and for this reason greater credit should be given them for their excellent showing. However, this obstacle may soon be overcome by the movement which has recently been started among the Alumni toward a new gymnasium.

The record of Technology for the past year should give to every student a feeling of satisfaction. The Track Team proved itself to be our brightest star. Our victory over our opponent in the Dual Games was all the more remarkable since, two weeks later, that opponent won the Intercollegiate Meet at Worcester. At the N. E. I. A. A. Games we remained in the same position as the year before, but we bettered our score by nine and one-half points, bringing us within three points of the leaders, as against eighteen and one-half the year before. As a result of these games, Technology now holds two of the N. E. I. A. A. records.

Our Relay Teams have won a reputation for themselves throughout New England by twice defeating a college which holds a very high athletic standing.

Our 'Varsity Football Team had one of the most prosperous seasons, athletically speaking, that it has experienced for several years. Eight games were played, and of these, five were won by us and one tied. The team scored thirty-seven points more than her opponents.

Tennis, as a branch of athletics at Technology, has never received the proper amount of attention. Until this year there were no courts worthy of the name, and this alone is a sufficient reason for the lack of interest shown in this sport. With the courts in proper condition, interest should greatly increase.

The following pages show a summary of the work of Technology's athletes during the past year.

# TECHNOLOGY ATHLETIC CLUB



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### *Vice President.*

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### *Secretary.*

STANLEY COLLAMORE SEARS, 1900.

### *Treasurer.*

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### *Manager.*

GEORGE CARLOS WINSLOW, JR., '99.

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DUDLEY MALCOLM PRAY, *Captain of '99 Track Team.*

RUSSELL PARKER PRIEST, *Captain of 1900 Track Team.*

RAY MURRAY, *Captain of 1901 Track Team.*

JOHN WINSLOW HERR, *Captain of 1902 Track Team.*

GEORGE CARLOS WINSLOW, JR., *Manager of Technology Track Team.*





### Officers.

#### *Captain.*

FRANCIS KERNAN BAXTER, '01.

#### *Manager.*

GEORGE CARLOS WINSLOW, JR., '99.

### Team.

FRANCIS KERNAN BAXTER, '01. —

HOWARD LAWRENCE BODWELL, '98.

GUY PRENTISS BURCH, '99.

WILLIAM LARAMY BUTCHER, '98.

HARRY ANDREW BACH CAMPBELL, '99.

EDWARD SAMUEL CHAPIN, '98.

FRANK DAVID CHASE, '00.

GEORGE IRVING COPP, '99. —

FRANCIS BIRD DUTTON, '00. —

FREDERICK CROMWELL FIELD, '98. *Parker*

WILLIAM WARREN GARRETT, '01. —

EWING RUDDOLPH GURNEY, '99.

MILTON WESTON HALL, '00.

FRED LOUIS HOLT KIMBALL, '99.

HAROLD BAKER MAYHEW, '00.

RAY MURRAY, '01. —

ARTHUR WARREN PAYNE, '01.

DUDLEY MALCOLM PRAY, '99.

RUSSELL PARKER PRIEST, '00. —

WILLIAM EDWARD PUTNAM, JR., '98.

HERMAN HENRY SCHMIDT, '99.

JOHN FRANK WENTWORTH, '00. —



M. I. T. *vs.* BOSTON COLLEGE, Mechanics Hall, Boston, Feb. 5, 1898.

Won by Boston College. Time, 3 min. 16 2-5 sec.

The men ran in the following order: Garrett, Hall, Emery, Priest.

M. I. T. *vs.* DARTMOUTH COLLEGE, Mechanics Hall, Boston, Feb. 28, 1898.

Won by M. I. T. Time, 3 min. 17 2-5 sec.

The men ran in the following order: Hall, Dutton, Priest, Garrett.

Prizes taken by M. I. T. in the open events are as follows: 40-yard Novice, third prize, G. P. Burch; 40-yard Low Hurdles, third prize, G. P. Burch; running High Jump, third prize, F. K. Baxter; 440-yard Dash, first prize, H. M. MacMaster.

M. I. T. *vs.* HOLY CROSS COLLEGE, College Gymnasium, Worcester, Feb. 10, 1899.

Won by Holy Cross. Time, 3 min. 40 1-5 sec.

The men ran in the following order: Hall, MacMaster, Emery, Garrett.

M. I. T. *vs.* DARTMOUTH COLLEGE, Mechanics Hall, Boston, Feb. 18, 1899.

Won by M. I. T. Time, 3 min. 16 3-5 sec.

The men ran in the following order: Hall, MacMaster, Priest, Garrett.

Prizes won by M. I. T. in the open events are as follows: 40-yard High Hurdles, third prize, J. W. Horr.

# The New England Intercollegiate Athletic Association.

## Members.

Dartmouth College.  
Brown University.  
Bowdoin College.  
Institute of Technology.  
Wesleyan University.

Amherst College.  
Williams College.  
Trinity College.  
Tufts College.  
Worcester Polytechnic Institute.

## Officers.

*President*, C. I. DE WITT, Amherst.

*Vice President*, H. S. PRATT, Brown.

*Secretary*, C. BILLINGTON, Wesleyan.

*Treasurer*, RAY MURRAY, M. I. T.

## Executive Committee.

T. A. LYNCH, Dartmouth.

N. R. BIRGE, Worcester Polytechnic.

C. N. STODDARD, Williams.

## Twelfth Annual Meet of the New England Intercollegiate Athletic Association. Worcester, May 21, 1898.

EVENT.	WINNERS.	TIME, HEIGHT, OR DISTANCE.
100-Yard Dash . . . . .	A. CURTENIUS, Amherst . . . . . C. M. CALLAHAN, Williams. C. G. McDAVITT, Dartmouth.	10 sec.
220-Yard Dash . . . . .	A. CURTENIUS, Amherst . . . . . C. BILLINGTON, Wesleyan. C. M. CALLAHAN, Williams.	22 3-5 sec.
440-Yard Run . . . . .	F. K. TAFT, Brown . . . . . C. A. STRONG, Amherst. F. B. DUTTON, M. I. T.	51 1-5 sec.
880-Yard Run . . . . .	D. C. HALL, Brown . . . . . J. BRAY, Williams. T. P. GOODBODY, Williams.	2 min.
One-Mile Run . . . . .	A. L. WRIGHT, Brown . . . . . E. S. CAREY, Wesleyan. S. B. FURBISH, Amherst.	4 min. 24 3-5 sec.
Two-Mile Run . . . . .	O. N. BEAN, Brown . . . . . A. L. WRIGHT, Brown. D. M. PRAY, M. I. T.	10 min. 3 4-5 sec.
Two-Mile Bicycle Race . . . . .	R. MURRAY, M. I. T. . . . . J. B. McINTYRE, Dartmouth. F. C. DUDLEY, Amherst.	5 min. 17 3-5 sec.
120-Yard High Hurdle . . . . .	P. POTTER, Williams . . . . . C. F. KENDALL, Bowdoin. T. W. CHASE, Dartmouth.	16 sec.

# N. E. I. A. A.—Continued.

EVENT.	WINNERS.	TIME, HEIGHT, OR DISTANCE.
220-Yard Low Hurdle . . .	G. P. BURCH, M. I. T. . . . . C. F. KENDALL, Bowdoin. P. POTTER, Williams.	25 4-5 sec.
Putting Shot (16 lbs.) . . .	R. S. WILDER, Dartmouth . . . . . E. R. GODFREY, Bowdoin . . . . . F. CORSON, Dartmouth . . . . .	38 ft. 1 1-2 in. 37 ft. 7 1-2 in. 36 ft. 9 3-4 in.
Throwing Hammer (16 lbs.) . .	F. C. INGALLS, Trinity . . . . . L. S. OAKES, Dartmouth . . . . . F. CORSON, Dartmouth . . . . .	119 ft. 4 in. 110 ft. 10 in. 102 ft. 1 in.
Running High Jump . . .	W. E. PUTNAM, JR., M. I. T. . . . . F. K. BAXTER, M. I. T. . . . . S. S. LAPHAM, JR., Brown . . . . .	5 ft. 7 1-2 in. 5 ft. 8 1-4 in. 5 ft. 7 1-4 in.
Running Broad Jump . . .	T. W. CHASE, Dartmouth . . . . . H. W. GLADWIN, Amherst . . . . . D. C. McALLISTER, Amherst . . . . .	21 ft. 8 1-2 in. 20 ft. 10 1-2 in. 20 ft. 8 1-8 in.
Pole Vault . . . . .	J. L. HURLBURT, JR., Wesleyan . . . . . R. H. WILDER, Dartmouth . . . . . H. W. FIFER, Williams . . . . .	11 ft. 6 1-2 in. 11 ft. 1 in. 10 ft. 6 in.
Throwing the Discus . . .	P. T. WINSLOW, Amherst . . . . . G. L. NOYES, Wesleyan . . . . . G. I. COPP, M. I. T. . . . .	104 ft. 101 ft. 6 1-2 in. 97 ft. 7 1-2 in.

## Summary of Points.

	Amh.	Brown.	Dart.	M. I. T.	Will.	Wes.	Bow.	Trin.
100-Yard Dash . . . . .	5	0	1	0	3	0	0	0
220-Yard Dash . . . . .	5	0	0	0	1	3	0	0
440-Yard Dash . . . . .	3	5	0	1	0	0	0	0
880-Yard Run . . . . .	0	5	0	0	4	0	0	0
One-Mile Run . . . . .	1	5	0	0	0	3	0	0
Two-Mile Run . . . . .	0	8	0	1	0	0	0	0
Two-Mile Bicycle . . . . .	1	0	3	5	0	0	0	0
120-Yard Hurdle . . . . .	0	0	1	0	5	0	3	0
220-Yard Hurdle . . . . .	0	0	0	5	1	0	3	0
Shot . . . . .	0	0	6	0	0	0	3	0
Hammer . . . . .	0	0	4	0	0	0	0	5
High Jump . . . . .	0	1	0	8	0	0	0	0
Broad Jump . . . . .	4	0	5	0	0	0	0	0
Pole Vault . . . . .	0	0	3	0	1	5	0	0
Discus . . . . .	5	0	0	1	0	3	0	0
Totals . . . . .	24	24	23	21	15	14	9	5

## Winners of the Championship.

1887. Dartmouth.	1893. Dartmouth.
1888. Amherst.	1894. Technology.
1889. Dartmouth.	1895. Dartmouth.
1890. Amherst.	1896. Dartmouth.
1891. Amherst.	1897. Dartmouth.
1892. Amherst.	1898. Tie between Amherst and Brown.

# TECHNOLOGY



# VS. AMHERST

## Dual Meet.

RIVERSIDE RECREATION GROUNDS, MAY 7, 1898.

EVENT.	WINNERS.	TIME, HEIGHT, OR DISTANCE.
100-Yard Dash . . . .	A. E. CURTENIUS, A. G. P. BURCH, T. M. W. HALL, T.	10 2-5 sec.
220-Yard Dash . . . .	A. E. CURTENIUS, A. C. A. STRONG, A. M. W. HALL, T.	23 2-5 sec.
440-Yard Run . . . .	C. A. STRONG, A. F. B. DUTTON, T. R. P. PRIEST, T.	52 4-5 sec.
880-Yard Run . . . .	W. W. GARRETT, T. H. W. GLADWIN, A. F. H. KLAER, A.	2 min. 10 3-5 sec.

EVENT.	WINNERS.	TIME, HEIGHT, OR DISTANCE.
<i>One-Mile Run</i> . . . .	S. B. FURBISH, A. . . . . H. L. BODWELL, T. E. W. WIGGINS, A.	. . . . . 5 min. 14 3-5 sec.
<i>Two-Mile Run</i> . . . .	S. B. FURBISH, A. . . . . H. A. B. CAMPBELL, T. D. M. PRAY, T.	. . . . . 11 min. 8 3-5 sec.
<i>120-Yard High Hurdles</i> .	J. F. WENTWORTH, T. . . . . H. BURDON, A. * ————	. . . . . 17 2-5 sec
<i>220-Yard Low Hurdles</i> .	G. P. BURCH, T. . . . . H. BURDON, A. F. B. DUTTON, T.	. . . . . 26 3-5 sec.
<i>Putting Shot (16 lbs.)</i> . .	F. L. H. KIMBALL, T. . . . . H. H. SCHMIDT, T. . . . . G. I. COPP, T. . . . .	. . . . . 36 ft. 1-4 in. . . . . . 35 ft. 6 in. . . . . . 34 ft. 8 1-4 in.
<i>Throwing Hammer (16 lbs.)</i>	A. C. AUSTIN, A. . . . . F. C. FIELD, T. . . . . H. H. SCHMIDT, T. . . . .	. . . . . 96 ft. 10 1-4 in. . . . . . 95 ft. 3 1-2 in. . . . . . 91 ft. 6 in.
<i>Throwing Discus</i> . . . .	P. T. WINSLOW, A. . . . . G. I. COPP, T. . . . . H. P. KENDALL, A. . . . .	. . . . . 99 ft. 11 1-2 in. . . . . . 95 ft. 1 3-4 in. . . . . . 93 ft. 7 1-4 in.
<i>Pole Vault</i> . . . . .	A. W. PAINE, T. . . . . E. S. CHAPIN, T. . . . . W. E. PUTNAM, T. . . . .	. . . . . 10 ft. 1 in. . . . . . 9 ft. 7 5-8 in. . . . . . 9 ft. 7 5-8 in.
<i>Running High Jump</i> . .	F. K. BAXTER, T. . . . . W. E. PUTNAM, T. . . . . F. H. KLAER, A. . . . .	. . . . . 5 ft. 6 1-2 in. . . . . . 5 ft. 6 1-2 in. . . . . . 5 ft. 4 1-2 in.
<i>Running Broad Jump</i> . .	H. W. GLADWIN, A. . . . . E. C. McALLISTER, A. . . . . G. P. BURCH, T. . . . .	. . . . . 20 ft. 2 3-4 in. . . . . . 19 ft. 9 1-2 in. . . . . . 19 ft. 8 3-4 in

\* No third place won in this event.

## Table of Points Won.

(First place counts 5 points, second place 3, third place 1.)

EVENT.	AMHERST.	TECH.
<i>100-Yard Dash</i> . . . . .	5	4
<i>220-Yard Dash</i> . . . . .	8	1
<i>440-Yard Run</i> . . . . .	5	4
<i>880-Yard Run</i> . . . . .	4	5
<i>One-Mile Run</i> . . . . .	6	3
<i>Two-Mile Run</i> . . . . .	5	4
<i>120-Yard High Hurdles</i> . . . . .	*3	5
<i>220-Yard Low Hurdles</i> . . . . .	3	6
<i>Putting Shot (16 lbs.)</i> . . . . .	0	9
<i>Throwing Hammer (16 lbs.)</i> . . . . .	5	4
<i>Throwing Discus</i> . . . . .	6	3
<i>Pole Vault</i> . . . . .	0	9
<i>Running High Jump</i> . . . . .	1	8
<i>Running Broad Jump</i> . . . . .	8	1
	—	—
<i>Totals</i> . . . . .	59	66

\* No third won in this event.

# DUAL TEAM



Putnam Sears Chapin Gurney Gray Priest  
 Baxter duPont Payne Field Tilton Lepp Clark  
 Sawyer Grant Clark Westworth Winslow Hubbard Hedwell  
 Emery Dearden Dutcher House Dorch Murray Kimball  
 Fleming

## Dual Games.

MASSACHUSETTS INSTITUTE OF TECHNOLOGY vs. AMHERST COLLEGE.

### Team.

FRANCIS KERNAN BAXTER, '01.  
HOWARD LAWRENCE BODWELL, '98.  
GUY PRENTISS BURCH, '99.  
WILLIAM LARAMY BUTCHER, '98.  
HARRY ANDREW BACH CAMPBELL, '99.  
EDWARD SAMUEL CHAPIN, '98.  
JAMES KENNETH CLARK, '99.  
GEORGE IRVING COPP, '99.  
CLINTON MERRILL DEARDEN, '01.  
FRANCIS BIRD DUTTON, '00.  
GEORGE WEBSTER EMERY, '00.  
FREDERICK CROMWELL FIELD, '98.  
EDWARD PICKERING FLEMING, '01.  
WILLIAM WARREN GARRETT, '01.

DAVID EDGERTON GRAY, '00.  
HARRY LAMAR GRANT, '00.  
EWING RUDOLPH GURNEY, '99.  
MILTON WESTON HALL, '00.  
JOHN HENRY HOUSE, '98.  
FRED LOUIS HOLT KIMBALL, '99.  
HAROLD BAKER MAYHEW, '00.  
ARTHUR WARREN PAYNE, '01.  
DUDLEY MALCOLM PRAY, '99.  
RUSSELL PARKER PRIEST, '00.  
WILLIAM EDWARD PUTNAM, JR., '98.  
HERMAN HENRY SCHMIDT, '99.  
STANLEY COLLAMORE SEARS, '00.  
JOHN FRANK WENTWORTH, '00.

# CHAMPION TRACK TEAM



Gurne Schindt Flynn Kimball  
Campbell Pray Burch Sawyer  
Copp

# CHAMPION TRACK TEAM

## Officers.

### *Captain.*

GUY PRENTISS BURCH.

### *Manager.*

HAVEN SAWYER.

## Team.

GUY PRENTISS BURCH.

HARRY ANDREW BACH CAMPBELL.

GEORGE IRVING COPP.

WILLIAM BURWELL FLYNN.

EWING RUDOLPH GURNEY.

FRED LOUIS HOLT KIMBALL.

DUDLEY MALCOLM PRAY.

HERMAN HENRY SCHMIDT.

## Summary of Points for the Class Championship for the Year 1897-98.

The Meets in which the following points were made were the Fall Handicap Games, Irvington Oval, Oct. 30, 1897, the Indoor Winter Meet, Technology Gymnasium, Dec. 10, 1897, the Class Games, Riverside Recreation Grounds, April 30, 1898, and Cross-country Run, March 26, 1898.

### Championship Won by the Class of '99, with 109 Points.

#### Indoor Events.

	'99	'98	'00	'01		'99	'98	'00	'01
35-Yard Dash . . . . .	8	0	1	0	Broad Jump . . . . .	3	1	0	5
35-Yard Hurdles . . . . .	5	0	3	1	Putting Shot (16 lbs.) . . . . .	9	0	0	0
Potato Race . . . . .	0	6	3	0	Pole Vault . . . . .	0	8	0	1
High Jump . . . . .	0	6	0	3	Fence Vault . . . . .	1	8	0	0
						—	—	—	—
						26	29	7	10

#### Outdoor Events.

	'99	'98	'00	'01		'99	'98	'00	'01
100-Yard Dash . . . . .	10	1	4	3	Putting Shot (16 lbs.) . . . . .	14	0	3	0
220-Yard Dash . . . . .	5	0	13	0	Hammer Throw (16 lbs.) . . . . .	5	10	3	0
440-Yard Dash . . . . .	1	3	9	5	High Jump . . . . .	0	8	0	10
880-Yard Run . . . . .	0	5	12	0	Broad Jump . . . . .	5	5	3	4
One-Mile Run . . . . .	3	4	10	1	Pole Vault . . . . .	0	10	0	8
Two-Mile Run . . . . .	11	3	3	1	Throwing Discus . . . . .	16	1	1	0
120-Yard Hurdles . . . . .	4	4	10	0	Cross-country Run . . . . .	8	0	0	1
Two-Mile Bicycle . . . . .	1	3	0	5		—	—	—	—
						83	57	71	38

	Firsts.	Seconds.	Thirds.	Totals.
Class of '99 . . . . .	14	10	9	109
Class of '98 . . . . .	10	9	9	86
Class of '00 . . . . .	7	12	7	78
Class of '01 . . . . .	5	5	8	48

## Summary of Points for Individual Excellence.

### Won by G. D. Burch, with 40 Points.

	POINTS.		POINTS.
G. P. BURCH, '99 . . . . .	40	M. W. HALL, '00 . . . . .	6
J. F. WENTWORTH, '00 . . . . .	30	J. H. HOUSE, '98 . . . . .	6
F. K. BAXTER, '01 . . . . .	28	H. L. GRANT, '00 . . . . .	5
W. E. PUTNAM, '98 . . . . .	28	E. W. RITCHIE, '98 . . . . .	5
F. L. H. KIMBALL, '99 . . . . .	21	W. L. BUTCHER, '98 . . . . .	4
H. H. SCHMIDT, '99 . . . . .	20	W. B. FLYNN, '99 . . . . .	4
E. S. CHAPIN, '98 . . . . .	18	C. S. HIGH, '98 . . . . .	4
G. I. COPP, '99 . . . . .	16	H. M. MACMASTER, '00 . . . . .	4
F. B. DUTTON, '00 . . . . .	16	R. L. SHEPARD, '01 . . . . .	4
F. C. FIELD, '98 . . . . .	16	W. J. ANGUS, '00 . . . . .	3
W. W. GARRETT, '01 . . . . .	14	D. E. GRAY, '00 . . . . .	3
D. M. PRAY, '99 . . . . .	14	I. DU PONT, '98 . . . . .	3
H. A. B. CAMPBELL, '99 . . . . .	13	C. M. DEARDEN, '01 . . . . .	2
H. L. BODWELL, '98 . . . . .	12	G. W. EMERY, '00 . . . . .	2
A. W. PAYNE, '01 . . . . .	11	E. R. GURNEY, '99 . . . . .	2
J. C. DRYER, '99 . . . . .	10	R. W. BAILEY, '99 . . . . .	1
RAY MURRAY, '01 . . . . .	10	L. A. CROWELL, '00 . . . . .	1
S. C. SEARS, '00 . . . . .	10	E. P. FLEMING, '01 . . . . .	1
R. P. PRIEST, '00 . . . . .	9	C. B. STEWART, '99 . . . . .	1
W. D. HUBBARD, '98 . . . . .	8	O. S. STOCKMAN, '01 . . . . .	1

# Annual Spring Games.

RIVERSIDE RECREATION GROUNDS, APRIL 30, 1898.

EVENT.	WINNERS.	TIME, HEIGHT, OR DISTANCE.
100-Yard Dash . . . . .	G. P. BURCH, '99 . . . . . J. F. WENTWORTH, '00. M. W. HALL, '00.	10 2-5 sec.
220-Yard Dash . . . . .	G. P. BURCH, '99 . . . . . F. B. DUTTON, '00. J. F. WENTWORTH, '00.	23 2-5 sec.
440-Yard Dash . . . . .	W. W. GARRETT, '01 . . . . . F. B. DUTTON, '00. E. R. GURNEY, '99.	55 3-5 sec.
880-Yard Run . . . . .	R. P. PRIEST, '00 . . . . . W. J. ANGUS, '00. G. W. EMERY, '00.	2 min. 18 2-5 sec.
One-Mile Run . . . . .	S. C. SEARS, '00 . . . . . D. M. PRAY, '99. O. S. STOCKMAN, '01.	5 min. 10 4-5 sec.
Two-Mile Run . . . . .	D. M. PRAY, '99 . . . . . D. E. GRAY, '00. C. M. DEARDEN, '01.	11 min. 17 2-5 sec.
120-Yard Hurdles . . . . .	J. F. WENTWORTH, '00 . . . . . G. I. COPP, '99. E. R. GURNEY, '99.	17 2-5 sec.
Two-Mile Bicycle . . . . .	RAY MURRAY, '01 . . . . . I. DU PONT, '98. C. B. STEWART, '99.	5 min. 1 4-5 sec.
Putting Shot (16 lbs.) . . . . .	H. H. SCHMIDT, '99 . . . . . F. L. H. KIMBALL, '99. G. I. COPP, '99.	36 ft. 3 in.
Throwing Hammer (16 lbs.) . . . . .	F. C. FIELD, '98 . . . . . H. H. SCHMIDT, '99. G. I. COPP, '99.	86 ft. 8 in.
Running Broad Jump . . . . .	G. P. BURCH, '99 . . . . . W. W. GARRETT, '01. E. P. FLEMING, '01.	19 ft. 6 in.
Running High Jump . . . . .	F. K. BAXTER, '01 . . . . . W. L. BUTCHER, '98. F. C. FIELD, '98.	5 ft. 7 in.
Pole Vault . . . . .	E. S. CHAPIN, '98 . . . . . A. W. PAYNE, '01. F. K. BAXTER, '01.	9 ft. 7 in.
Discus Throw . . . . .	F. L. H. KIMBALL, '99 . . . . . H. H. SCHMIDT, '99. C. S. HIGH, '98.	88 ft. 7 in.

# Annual fall Handicap Games.

HOLMES FIELD, OCTOBER 29, 1898.

EVENT.	WINNERS.	HANDICAP.	TIME, HEIGHT, OR DISTANCE.
100-Yard Dash . . . .	M. W. HALL, '00, 3 yards G. P. BURCH, '99, scratch. J. W. HERR, '02, 2½-yards.		10 1-5 sec.
220-Yard Dash . . . .	M. W. HALL, '00, 4 yards G. P. BURCH, '99, scratch. F. B. DUTTON, '00, scratch.		23 1-5 sec.
440-Yard Dash . . . .	F. B. DUTTON, '00, 7 yards J. COLMAN, JR., '01, 20 yards.		52 3-5 sec.
880-Yard Run . . . .	F. H. LATHROP, '01, scratch W. W. GARRETT, '01, scratch. A. C. WOOD, '02, 35 yards.		2 min. 8 2-5 sec.
One-Mile Run . . . .	D. M. PRAY, '99, scratch D. D. FIELD, '02, 15 yards. O. S. STOCKMAN, '01, 25 yards.		5 min. 1 sec.
Two-Mile Run . . . .	D. M. PRAY, '99, scratch O. S. STOCKMAN, '01, 100 yards. D. D. FIELD, '02, 60 yards.		10 min. 44 4-5 sec.
120-Yard Hurdles . . . .	J. W. HERR, '02, owes 5 yards J. F. WENTWORTH, '00, owes 8 yards.		19 1-5 sec.
220-Yard Hurdles . . . .	G. P. BURCH, '99, scratch J. W. HERR, '02, 7 yards. M. W. HALL, '00, 12 yards.		26 2-5 sec.
Running High Jump . . . .	F. K. BAXTER, '01, scratch H. T. WINCHESTER, '02, 4 inches. W. P. R. PEMBER, '02, 4 inches.		5 ft. 6 1-2 in.
Running Broad Jump . . . .	E. P. FLEMING, '01, 18 inches J. W. HERR, '02, scratch. J. F. WENTWORTH, '00, 1 foot.		20 ft. 3 1-2 in.
Putting Shot (16 lbs.) . . . .	H. T. WINCHESTER, '02, 5 feet J. F. WENTWORTH, '00, 4 1-2 feet. F. L. H. KIMBALL, '99, scratch.		38 ft. 11 1-2 in.
Throwing Hammer (16 lbs.) . . . .	J. H. WALTON, JR., '99 (scratch event) J. F. WENTWORTH, '00. P. L. PRICE, '00.		88 ft. 5 in.
Pole Vault . . . . .	F. K. BAXTER, '01, 3 inches R. L. SHEPARD, '01, scratch.		8 ft. 11 1-2 in.
Discus Throw . . . . .	E. P. FLEMING, '01, 15 feet J. F. WENTWORTH, '00, 10 feet. F. L. H. KIMBALL, '99, scratch.		94 ft. 11 in.

# Annual Indoor Winter Meeting.

TECHNOLOGY GYMNASIUM, DECEMBER 17, 1898.

EVENT.	WINNERS.	TIME, HEIGHT, OR DISTANCE.
35-Yard Dash . . . . .	J. W. HERR, '02 . . . . . M. W. HALL, '00. R. L. SHEPARD, '01.	4 1-5 sec.
35-Yard Hurdle . . . . .	J. W. HERR, '02 . . . . . R. L. SHEPARD, '01. J. F. WENTWORTH, '00.	4 3-5 sec.
Potato Race . . . . .	J. W. HERR, '02 . . . . . H. M. MACMASTER, '00. G. W. EMERY, '00.	35 4-5 sec.
Running High Jump . . . . .	F. K. BAXTER, '01 . . . . . J. F. WENTWORTH, '00 . . . . . M. S. SHERRILL, '99 } R. A. POPE, '02 }	5 ft. 6 1-2 in. 5 ft. 5 1-2 in. 5 ft. 4 in.
Standing Broad Jump . . . . .	F. K. BAXTER, '01 . . . . . L. B. WILDER, '01 . . . . . J. W. HERR, '02 . . . . .	9 ft. 9 1-4 in. 9 ft. 1 1-4 in. 8 ft. 11 in.
Putting Shot (16 lbs.) . . . . .	G. I. COPP, '99 . . . . . E. B. CRANE, '02 . . . . . H. P. McDONALD, JR., '01 . . . . .	34 ft. 6 in. 33 ft. 11 in. 32 ft. 5 in.
Fence Vault . . . . .	W. B. FLYNN, '99 . . . . . H. M. MACMASTER, '00 . . . . . F. N. CONANT, '00 . . . . .	6 ft. 8 in. 6 ft. 6 in. 6 ft. 4 in.
Pole Vault . . . . .	F. K. BAXTER, '01 . . . . . R. L. SHEPARD, '01 } R. A. POPE, '02 }	9 ft. 7 1-4 in. 9 ft. 5 in.

# Nineteenth Annual Open Handicap Games

## of the Technology Athletic Association.

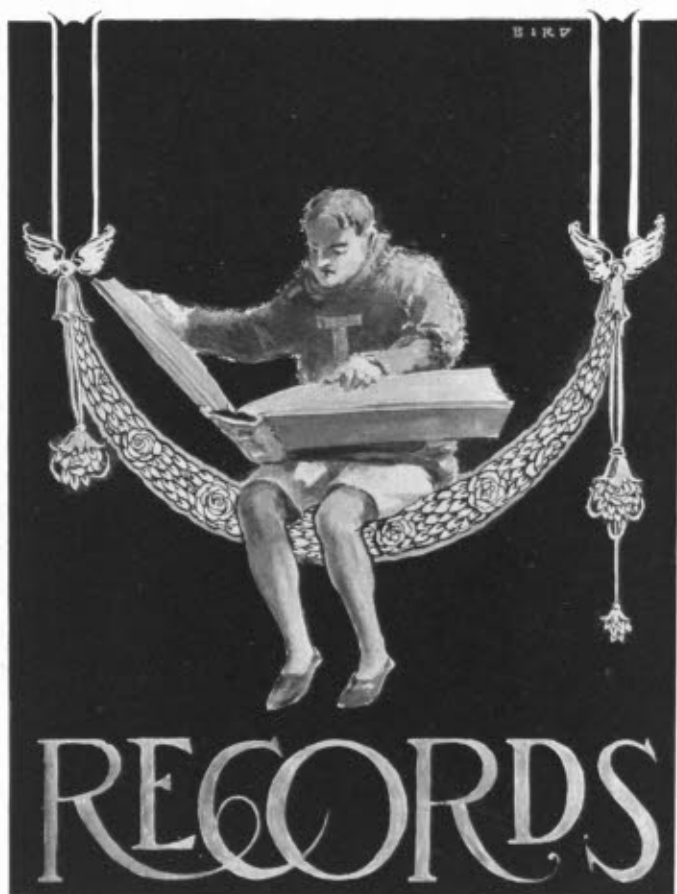
TECHNOLOGY GYMNASIUM, MARCH 25, 1898.

EVENT.	WINNERS.	HANDICAP.	TIME, HEIGHT, OR DISTANCE.
35-Yard Novice . . . . .	J. NOLTE, M. I. T. . . . . R. W. ARCHIBALD, B. H. S. F. M. BURKE, N. H. S.		4 2-5 sec.
40-Yard High Hurdles . . . . .	J. F. WENTWORTH, M. I. T., 4 feet . . . . . T. P. CURTIS, B. A. A., scratch.		5 3-5 sec.
35-Yard Dash . . . . .	G. P. BURCH, M. I. T., 1 foot . . . . . R. L. SHEPARD, M. I. T., 1 foot. R. W. ARCHIBALD, B. H. S., 3 feet.		4 1-5 sec.
Running High Jump . . . . .	W. E. PUTNAM, M. I. T., scratch . . . . . F. K. BAXTER, M. I. T., $\frac{1}{2}$ inch . . . . .		5 ft. 10 1-2 in. 5 ft. 10 in.
Putting Shot (16 lbs.) . . . . .	E. S. HOPKINS, S. B. A. A., 2 $\frac{1}{2}$ feet . . . . . D. J. MCCARTHY, 3 feet . . . . . W. W. COE, Hop., scratch . . . . .		40 ft. 4 3-4 in. 38 ft. 2 7-8 in. 38 ft. 2 3-8 in.
Potato Race . . . . .	F. W. SWEENEY, C. G. A. A., scratch . . . . . C. J. SWEENEY, C. G. A. A., owed 23 feet.		33 4-5 sec.
Pole Vault . . . . .	A. W. PAYNE, M. I. T., 5 inches . . . . . R. L. SHEPARD, M. I. T., 4 inches. E. S. CHAPIN, M. I. T., scratch.		10 ft. 3 1-4 in.

## Annual Cross-country Run.

MARCH 26, 1898. COURSE, FIVE MILES.

PRIZES.	NAME.	TIME.
First . . . . .	H. A. B. CAMPBELL, '99 . . . . .	27 min. 58 sec.
Second . . . . .	D. M. PRAY, '99 . . . . .	28 min. 14.5 sec.
Third . . . . .	C. M. DEARDEN, '01 . . . . .	30 min. 4.5 sec.
Fourth . . . . .	G. D. EMERSON, '99 . . . . .	30 min. 1 sec.
Fifth . . . . .	D. E. GRAY, '00 . . . . .	31 min. 6 sec.
Sixth . . . . .	R. SUTER, '00 . . . . .	31 min. 9 sec.
Seventh . . . . .	H. L. MORSE, '99 . . . . .	36 min. 26 sec.



# Athletic Records.

## Technology.

EVENT.	HOLDER.	RECORD.
100-Yard Dash . . . .	R. W. CARR, '95 . . . . .	10 2-5 sec.
	A. W. GROSVENOR, '99.	
220-Yard Dash . . . .	R. W. CARR, '95 . . . . .	23 sec.
440-Yard Dash . . . .	J. A. ROCKWELL, '96 . . . . .	51 1-5 sec.
880-Yard Run . . . .	T. SPENCER, '91 . . . . .	2 min. 6 2-5 sec.
One-Mile Run . . . .	G. CLAPP, '95 . . . . .	4 min. 37 4-5 sec.
Two-Mile Run . . . .	D. M. PRAY, '99 . . . . .	10 min. 44 4-5 sec.
One-Mile Walk . . . .	D. MAYER, '98 . . . . .	8 min. 2 sec.
120-Yard Hurdle . . . .	B. HURD, JR., '96 . . . . .	16 3-5 sec.
220-Yard Hurdle . . . .	G. P. BURCH, '99 . . . . .	25 4-5 sec.
Two-Mile Bicycle . . . .	R. MURRAY, '01 . . . . .	5 min. 1 4-5 sec.
Running Broad Jump . . . .	A. W. GROSVENOR, '99 . . . . .	22 ft. 1 1-2 in.
Running High Jump . . . .	C. D. HEYWOOD, '93 . . . . .	6 ft. 1-2 in.
Pole Vault . . . . .	J. CRANE, JR., '92 . . . . .	10 ft. 7 in.
Putting Shot (16 lbs.) . . . .	H. W. JONES, '98 . . . . .	37 ft. 8 3-4 in.
Throwing Hammer (16 lbs.) . . . .	H. W. JONES, '98 . . . . .	107 ft. 10 1-2 in.
Throwing Discus . . . .	G. I. COPP, '99 . . . . .	97 ft. 7 1-2 in.

## Records of the N. E. I. H. H.

EVENT.	HOLDER.	RECORD.
100-Yard Dash . . . .	A. CURTENIUS, Amherst, 1898 . . . . .	10 sec.
220-Yard Dash . . . .	H. C. IDE, Dartmouth, 1892 . . . . .	22 3-5 sec.
	A. CURTENIUS, Amherst, 1898.	
440-Yard Dash . . . .	G. B. SHATTUCK, Amherst, 1891 . . . . .	50 1-5 sec.
880-Yard Run . . . .	D. C. HALL, Brown, 1898 . . . . .	2 min.
One-Mile Run . . . .	A. L. WRIGHT, Brown, 1898 . . . . .	4 min. 24 3-5 sec.
Two-Mile Run . . . .	O. N. BEAN, Brown, 1898 . . . . .	10 min. 3 4-5 sec.
120-Yard Hurdle . . . .	S. CHASE, Dartmouth, 1895 . . . . .	15 3-5 sec.
220-Yard Hurdle . . . .	G. P. BURCH, M. I. T., 1898 . . . . .	25 4-5 sec.
Two-Mile Bicycle . . . .	R. MURRAY, M. I. T., 1898 . . . . .	5 min. 17 3-5 sec.
Running Broad Jump . . . .	S. CHASE, Dartmouth, 1895 . . . . .	22 ft. 3 in.
Running High Jump . . . .	I. K. BAXTER, Trinity, 1896 . . . . .	5 ft. 9 3-4 in.
Pole Vault . . . . .	J. L. HURLBURT, JR., Wesleyan, 1898 . . . . .	11 ft. 6 1-2 in.
Putting Shot (16 lbs.) . . . .	E. R. GODFREY, Bowdoin, 1896 . . . . .	38 ft. 6 1-2 in.
Throwing Hammer (16 lbs.) . . . .	F. E. SMITH, Brown, 1896 . . . . .	133 ft. 8 in.
Throwing Discus . . . .	P. T. WINSLOW, Amherst, 1898 . . . . .	104 ft.

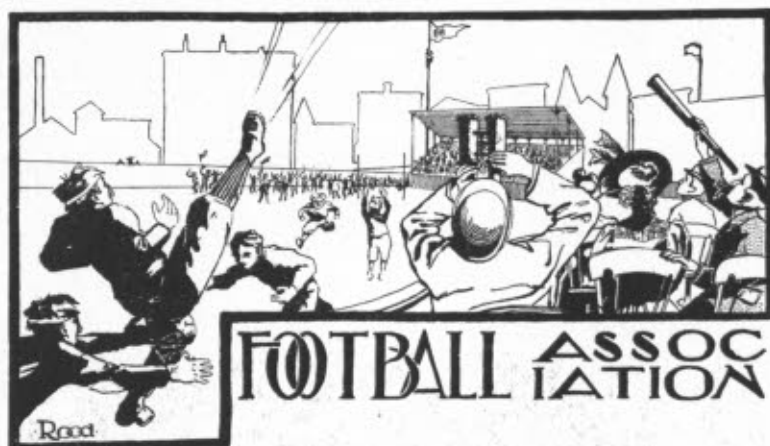
## World's Amateur Records.

EVENT.	HOLDER.	PLACE AND DATE.	RECORD.
<i>100-Yard Dash</i> . . . .	JOHN OWEN, JR.,	Washington, 1890 . . . .	9 4-5 sec.
	B. J. WEFERS,	Berkeley Oval, 1896.	
	J. H. RUSH,	Chicago, 1898.	
<i>220-Yard Dash</i> . . . .	B. J. WEFERS,	Berkeley Oval, 1896 . . . .	21 1-5 sec.
<i>440-Yard Dash (Oval path)</i>	L. E. MEYERS,	Stenton, Pa., 1881 . . . .	48 3-4 sec.
<i>880-Yard Run</i> . . . .	C. H. KILPATRICK,	New York City, 1895 . . . .	1 min. 53 2-5 sec.
<i>One-Mile Run</i> . . . .	T. P. CONNEFF,	New York City, 1895 . . . .	4 min. 15 3-5 sec.
<i>Two-Mile Run</i> . . . .	W. G. GEORGE,	England, 1884 . . . .	9 min. 17 2-5 sec.
<i>120-Yard Hurdle</i> . . . .	A. C. KRAENZLEIN,	Chicago, 1898 . . . .	15 1-5 sec.
<i>220-Yard Hurdle</i> . . . .	A. C. KRAENZLEIN,	Berkeley Oval, 1898 . . . .	23 3-5 sec.
<i>Running Broad Jump</i> . .	MEYER PRINSTEIN,	Travers Island, 1898 . . . .	23 ft. 8 7-8 in.
<i>Running High Jump</i> . .	M. F. SWEENEY,	New York City, 1898 . . . .	6 ft. 5 5-8 in.
<i>Pole Vault</i> . . . .	R. G. CLAPP,	Chicago, 1898 . . . .	11 ft. 10 1-2 in.
<i>Putting Shot (16 lbs.)</i> . .	G. R. GRAY,	Chicago, 1893 . . . .	47 ft.
<i>Throwing Hammer (16 lbs.)</i>	JOHN FLANAGAN,	Travers Island, 1898 . . . .	158 ft. 4 in.
<i>Throwing Discus</i> . . . .	C. H. HENNEMANN,	New York, 1897 . . . .	118 ft. 9 in.

## Special Events at M. I. T.

EVENT.	HOLDER.	RECORD.
<i>20-Yard Dash</i> . . . . .	F. W. LORD, '94 . . . . .	3 sec.
<i>35-Yard Dash</i> . . . . .	A. W. GROSVENOR, '99 . . . . .	* 4 sec.
<i>35-Yard Low Hurdle</i> . . . . .	J. W. HERR, '02 . . . . .	4 3/5 sec.
<i>Potato Race</i> . . . . .	J. A. ROCKWELL, JR., '96 . . . . .	50 1/5 sec.
<i>Cross-country Run (5 m.)</i> . . . . .	H. A. B. CAMPBELL, '99 . . . . .	27 min. 58 sec.
<i>Standing Broad Jump</i> . . . . .	L. BURNETT, '96 . . . . .	10 ft. 1 1/2 in.
<i>Standing Broad Jumps (3)</i> . . . . .	E. A. BOESKE, '95 . . . . .	32 ft. 8 1/8 in.
<i>Standing High Jump</i> . . . . .	F. R. YOUNG, '86 . . . . .	4 ft. 10 in.
<i>Fence Vault</i> . . . . .	A. H. GREEN, '96 . . . . .	7 ft. 2 1/4 in.
<i>Running High Kick</i> . . . . .	C. D. HEYWOOD, '93 . . . . .	9 ft. 3 1/2 in.
<i>Rope Climb</i> . . . . .	H. L. BODWELL, '98 . . . . .	5 2/5 sec.
<i>Relay Race (1,560 yds.)</i> . . . . .	M. W. HALL, '00	3 min. 14 2/5 sec.
	H. M. MACMASTER, '00	
	R. P. PRIEST, '00	
	W. W. GARRETT, '01	

\* World's Record.



### Officers.

#### *President.*

KENNETH MALLON BLAKE, '99.

#### *Vice President.*

GUY MAGEE, JR., '99.

#### *Secretary-Treasurer.*

JOHN LAWRENCE TUFTS, '99.

#### *Captain of Team.*

BENJAMIN EAMES MORSE, '99.

#### *Manager.*

ALEXANDER RIEMAN HOLLIDAY, '99.

#### *Assistant Manager.*

WILLIAM RAWSON COLLIER, '00.

### Executive Committee.

GUY PRENTISS BURCH, '99.

CHARLES CALVIN BRIGGS, JR., '00.

CHARLES WARREN DANFORTH, '01.

# TECH FOOT BALL TEAM



Chubb Collier Jovett Locke Nesmith Nolte Danforth Maxson  
 Oppenheim Laws Morse McDonald Stevens  
 George Stebbins Holliday Heckle



# Technology Foot Ball Team

## Officers.

### *Captain.*

BENJAMIN EAMES MORSE, '99.

### *Manager.*

ALEXANDER RIEMAN HOLLIDAY, '99.

### *Assistant Manager.*

WILLIAM RAWSON COLLIER, '00.

### *Coach.*

MR. LOCKE, BROWN, '95.

## Team.

RALPH STEVENS, '00	Left End.
CHARLES WARREN DANFORTH, '01	Left Tackle.
HARRY PEAKE McDONALD, JR., '01	Left Guard.
JAMES BRADFORD LAWS, '01	Center.
THOMAS NESMITH, JR., '00	Right Guard.
WILLIAM LEIGH GEORGE, '02	Right Tackle.
CHESTER NILES CHUBB, '01	Right End.
HARRY WESCOTE MAXSON, '01	Quarter Back.
HENRY DETRICK JOUETT, '00	Left Half Back.
BENJAMIN EAMES MORSE, '99	Right Half Back.
JULIUS NOLTE, '99	Full Back.

## Substitutes.

GEORGE ROGERS HECKLE, '99.

ROBERT EMMET OPPENHEIM, '00.

ROLAND WILLIAMS STEBBINS, '99.

### Schedule of Games.

							Score.
October	8.	Technology	vs.	Trinity, at Hartford	.	.	0-0
October	12.	Technology	vs.	Exeter, at Exeter	.	.	0-12
October	15.	Technology	vs.	Andover, at Andover	.	.	6-5
October	22.	Technology	vs.	Worcester Polytechnic, at Boston	.	.	22-0
October	29.	Technology	vs.	Amherst, at Amherst	.	.	6-10
November	2.	Technology	vs.	Boston College, at Boston	.	.	6-0
November	5.	Technology	vs.	N. H. State College, at Durham	.	.	22-0
November	12.	Technology	vs.	Tufts, at College Hill	.	.	8-6

Games won, 5. Games lost, 2. Tie games, 1.

Total points scored by Technology, 70.

Total points scored by opponents, 33.

Percentage of games won, 71.42.



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*Vice President.*

HARRY L. MORSE, '99.

*Treasurer.*

FRANK H. PEABODY, '77.

*Acting Secretary.*

ROLAND W. STEBBINS, '99.

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FRANK H. PEABODY, '77.

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JOHN A. ROCKWELL, JR., '96.

*Representative from Institute Committee.*

GUY PRENTISS BURCH, '99.

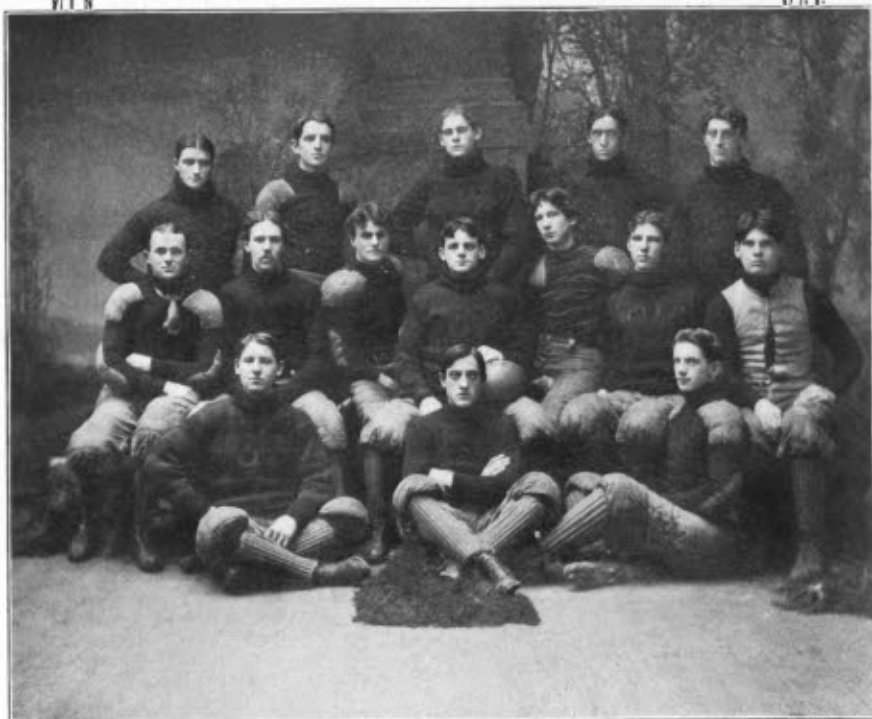
*Representative from M. I. T. A. A.*

HARRY LEONARD MORSE, '99.

*Representative from M. I. T. F. B. A.*

ROLAND WILLIAMS STEBBINS, '99.

# 1901 FOOT BALL TEAM



Shepard Eager Jeffords Cross Arnold  
Pendell Low Haley Dersey Lewing Derby Parrock  
Evelind Fleming Cross



### Officers.

*Captain.*

FARNUM FRANCIS DORSEY.

*Manager.*

DENNIS FREDERICK HALEY.

### Team.

FARNUM FRANCIS DORSEY	.	.	.	.	.	.	Right End.
ALEXANDER H. B. JEFFORDS	.	.	.	.	.	.	Right Tackle.
PERCY HARRY PARROCK	.	.	.	.	.	.	Right Guard.
ROBERT MASON DERBY	.	.	.	.	.	.	Center.
PIERRE BARBEAU PENDILL	.	.	.	.	.	.	Left Guard.
FRANK JOSEPH EAGER	.	.	.	.	.	.	Left Tackle.
GEORGE ARTHUR COWING	.	.	.	.	.	.	Left End.
RALPH LUNT SHEPARD	.	.	.	.	.	.	Quarter Back.
DENNIS FREDERICK HALEY	.	.	.	.	.	.	Right Half Back.
ALBERT H. B. ARNOLD	.	.	.	.	.	.	Left Half Back.
EDWARD PICKERING FLEMING	.	.	.	.	.	.	Full Back.

### Substitutes.

WILLIAM WARREN GARRETT.

DAVID LOW.

ARTHUR JOHN EVELAND.

FREDERICK CUSHING CROSS.

GEORGE IRVING CROSS.

### Schedule of Games.

					Score.
October	8.	Technology, 1901 vs. Winchester A. A.	.	.	26-0
October	11.	Technology, 1901 vs. Cambridge High and Latin	.	.	30-0
October	15.	Technology, 1901 vs. Glenmore	.	.	6-0
October	22.	Technology, 1901 vs. New Hampshire State College	.	.	0-6
November	2.	Technology, 1901 vs. Burdett College	.	.	0-16
November	9.	Technology, 1901 vs. Tufts' Second Team	.	.	6-0
November	22.	Technology, 1901 vs. Technology, 1902	.	.	0-11

Percentage of games won, 57.14.

# 1902 FOOT BALL TEAM



Pond Finneran Reynolds French Fish Baldwin  
 Chalfeux Burr Storer Allyn Parker Melted e  
 Mansfield McCarthy



### Officers.

#### *Captain.*

ALFRED WARREN ALLYN.

#### *Manager.*

ROBERT SOUTHWICK BALDWIN.

### Team.

HARRY BRADFORD POND	.	.	.	.	.	.	.	Right End.
THOMAS ALPHONSUS FINNERAN	.	.	.	.	.	.	.	Right Tackle.
IRVING WOOD REYNOLDS	.	.	.	.	.	.	.	Right Guard.
PAUL ERNEST CHALIFOUX	.	.	.	.	.	.	.	Center.
HENRY PETER MOLTEDO	.	.	.	.	.	.	.	Left Guard.
GEORGE HENRY FRENCH	.	.	.	.	.	.	.	Left Tackle.
HAROLD COBURN FISH	.	.	.	.	.	.	.	Left End.
WILLIAM BURNS MANSFIELD	.	.	.	.	.	.	.	Quarter Back.
HARRY WINTHROP MARSH STORER	.	.	.	.	.	.	.	Right Half Back.
ALFRED WARREN ALLYN	.	.	.	.	.	.	.	Left Half Back.
ETHELBERT PARKER	.	.	.	.	.	.	.	Full Back.

### Substitutes.

JOHN WILSON HERR.

CHARLES EMMET MCCARTHY.

FRANCIS ALOYSIUS NAGLE.

CHARLES HENRY BURR.

### Schedule of Games.

								Score.
October	26.	Technology, 1902 vs. Salem High School	.	.	.	.	.	0-6
November	2.	Technology, 1902 vs. Chelsea High School	.	.	.	.	.	8-0
November	12.	Technology, 1902 vs. Dorchester High School	.	.	.	.	.	0-16
November	22.	Technology, 1902 vs. Technology, 1901	.	.	.	.	.	11-0

Percentage of games won, 50.

# 1999 BASE BALL TEAM



Price Crowell Chaffee Osgood  
Everett Dart Churchman Wood McMaster  
Glover Collier

# 1900 BASE BALL TEAM



## Officers.

*Captain.*

ALLAN HARVEY WOODWARD.

*Manager.*

HARRY EDMUND OSGOOD.

*Assistant Manager.*

ALBERT LAWRENCE CHURCHMAN.

## Team.

HERBERT MILTON MACMASTER	.	.	.	.	.	.	.	}	Pitchers.
PAUL LEON PRICE	.	.	.	.	.	.	.	}	
ALLAN HARVEY WOODWARD	.	.	.	.	.	.	.	}	Catchers.
FREDERIC ELWIN EVERETT	.	.	.	.	.	.	.	}	
WALTER CRANE CHAFFEE	.	.	.	.	.	.	.	.	First Base.
HARRY EDMUND OSGOOD	.	.	.	.	.	.	.	.	Second Base.
HERBERT MILTON MACMASTER	.	.	.	.	.	.	.	.	Short Stop.
WILLIAM RAWSON COLLIER	.	.	.	.	.	.	.	.	Third Base.
ALBERT CHARLES DART, JR.	.	.	.	.	.	.	.	.	Left Field.
LOUIS AUSTIN CROWELL	.	.	.	.	.	.	.	.	Center Field.
RUSSELL HENRY GLOVER	.	.	.	.	.	.	.	.	Right Field.

## Schedule of Games.

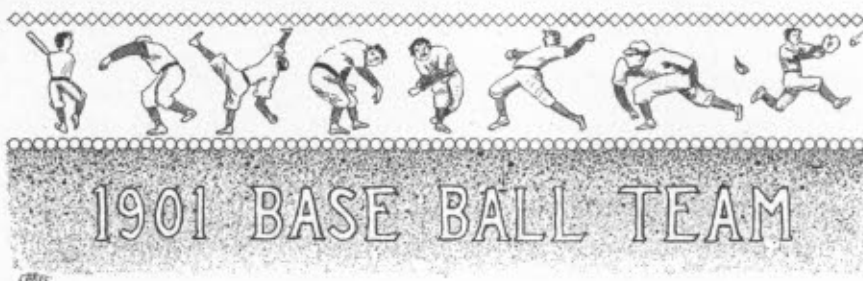
									Score.
April 9.	Technology, 1900 vs. English High School	.	.	.	.	.	.	.	9-10
April 14.	Technology, 1900 vs. Brookline High School	.	.	.	.	.	.	.	8-4
April 27.	Technology, 1900 vs. Tufts (second team)	.	.	.	.	.	.	.	15-8
May 7.	Technology, 1900 vs. Newburyport High School	.	.	.	.	.	.	.	5-8
May 9.	Technology, 1900 vs. Brown, 1900 (11 innings)	.	.	.	.	.	.	.	10-10
May 14.	Technology, 1900 vs. Milton Academy	.	.	.	.	.	.	.	11-4
May 18.	Technology, 1900 vs. Technology, 1901	.	.	.	.	.	.	.	3-14
May 21.	Technology, 1900 vs. Thayer Academy	.	.	.	.	.	.	.	22-9

Percentage of games won, 57.14.

# 1991 BASE BALL TEAM



Bigelow Chubbilson Florsheim Woodhull Hounsfield  
Adams Whiten Wood Suer  
Maxon Wilder



### Officers.

#### *Captain.*

HAROLD BLAKE WOOD.

#### *Manager.*

LEONARD S. FLORSHEIM.

### Team.

CHARLES RICHARD WOODHULL	.	.	.	.	.	.	Catcher.
HAROLD BLAKE WOOD	.	.	.	.	.	.	Pitchers.
WILLIAM GEORGE SUCRO	.	.	.	.	.	.	
CHESTER NILES CHUBB	.	.	.	.	.	.	First Base.
LAMMOT DU PONT HOUNSFIELD	.	.	.	.	.	.	Second Base.
CHARLES WARD ADAMS	.	.	.	.	.	.	Short Stop.
RALPH LUNT SHEPARD	.	.	.	.	.	.	Third Base.
LOWELL BOSWORTH WILDER	.	.	.	.	.	.	Left Field.
HARRY AUGUSTUS WHITON	.	.	.	.	.	.	Center Field.
WILLIAM GEORGE SUCRO	.	.	.	.	.	.	Right Field.

### Substitutes.

LYMAN HERBERT BIGELOW.

DOUGLAS CONDÉ JILLSON.

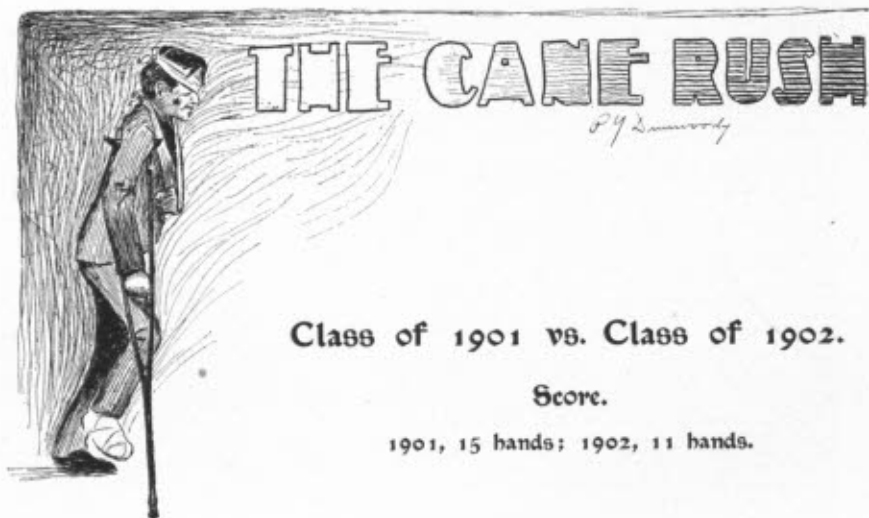
HARRY WESCOTE MAXSON.

JEREMIAH COLMAN, JR.

### Schedule of Games.

						Score.
April 9.	Technology, 1901 vs. Malden High School	.	.	.	.	21-2
April 13.	Technology, 1901 vs. Roxbury High School	.	.	.	.	21-15
April 19.	Technology, 1901 vs. Framingham High School	.	.	.	.	4-7
April 20.	Technology, 1901 vs. Newton High School	.	.	.	.	6-3
April 23.	Technology, 1901 vs. Tufts (second team)	.	.	.	.	3-4
April 30.	Technology, 1901 vs. Groton School	.	.	.	.	1-7
May 4.	Technology, 1901 vs. Harvard, 1901	.	.	.	.	4-19
May 7.	Technology, 1901 vs. Hopkinson School	.	.	.	.	9-7 <sup>1</sup>
May 11.	Technology, 1901 vs. St. Mark's School	.	.	.	.	10-3
May 14.	Technology, 1901 vs. Hopkinson School	.	.	.	.	3-10
May 18.	Technology, 1901 vs. Arlington High School	.	.	.	.	9-8
May 19.	Technology, 1901 vs. Technology, 1900	.	.	.	.	14-3

Percentage of games won, 58.33.



Class of 1901 vs. Class of 1902.

Score.

1901, 15 hands; 1902, 11 hands.



## TENNIS ASSOCIATION

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#### *Vice President.*

E. G. THATCHER, '01.

#### *Secretary-Treasurer.*

N. L. DANFORTH, '01.

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J. R. BROWNELL, '00.

E. H. CUTTER, '02.

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H. O. AYER, '99.  
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A. L. HAMILTON, '99.  
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H. H. HOWE, '00.  
J. L. JONES, '02.  
F. C. LINCOLN, '00.

F. O. MILLER, '02.  
R. J. MONTGOMERY, '01.  
M. L. NAGEL, '02.  
H. H. RIDDLE, '99.  
L. W. RIDDLE, '99.  
E. W. RITCHIE, S.B.  
RALPH ROOT, '03.  
H. H. SAYLOR, '02.  
K. T. STOW, '02.  
G. B. STREET, '99.  
E. G. THATCHER, '01.  
F. W. WITHERELL, '00.

### Winners in the Annual Fall Tournament.

(Held in October, 1898.)

#### *Singles.*

*First prize*, GERALD BASIL STREET, '99.

*Second prize*, EDWARD GORDON THATCHER, '01.

#### *Doubles.*

HAROLD OSGOOD AYER, '99.

EDWARD GORDON THATCHER, '01.



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#### *Vice President and Captain.*

GEORGE HEYWOOD PRIEST.

#### *Secretary and Treasurer.*

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HENRY CHARLES EATON.

ARTHUR LITTLE HAMILTON.

CHARLES ASHLEY HARDY.

LANE JOHNSON.

WILLIAM ABBOT KINSMAN.

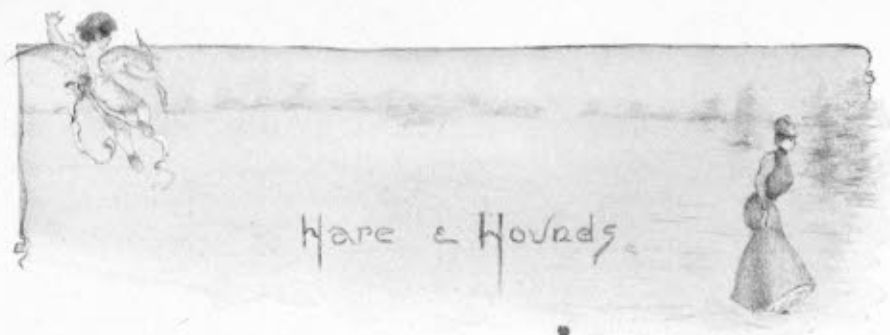
STUART BERWICK MILLER.

ALBERT FRANKLIN NATHAN, JR.

GEORGE HEYWOOD PRIEST.

MILES STANDISH SHERRILL.

THEODORE CALVIN TUCK.



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*Secretary-Treasurer.*

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C. BETTINGER, '02.  
H. A. B. CAMPBELL, '99.  
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G. D. EMERSON, '00.  
G. W. EMERY, '00.  
S. S. FOSTER, '02.  
G. C. GIBBS, 3D, '00.

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F. H. HUNTER, '02.  
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R. B. PENDERGAST, '02.  
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K. SEAVER, '00.  
H. R. STEARNS, '00.  
O. S. STOCKMAN, '01.  
S. J. STONE, JR., '01.  
R. SUTER, '00.  
W. WATERMAN, JR., '02.  
H. R. WHITE, '01.  
P. R. ZEIGLER, '00.

### Hare and Hound Runs.

February 26, 1898, from Chestnut Hill. Course, 6 miles.  
April 2, 1898, from Riverside. Course, 6 miles.  
April 9, 1898, from Watertown Arsenal. Course, 8 miles.  
October 8, 1898, from Arlington Heights. Course, 6 miles.  
October 15, 1898, from Chestnut Hill. Course, 8 miles.  
October 22, 1898, from Milton Academy. Course, 6 miles.  
November 5, 1898, from Arlington Heights. Course, 7 miles.  
November 12, 1898, from Milton Academy. Course, 6 miles.

### Handicap Run, May 2, 1898.

Riverside. Course, 8 miles.

#### PRIZES.

<i>First</i> . . . . .	O. S. STOCKMAN, '01 . . . . .	7 min.
<i>Second</i> . . . . .	G. K. NEWBURY, '98 . . . . .	5 min.
<i>Third</i> . . . . .	G. D. EMERSON, '00 . . . . .	1 min.
<i>Fourth</i> . . . . .	R. SUTER, '00 . . . . .	3 min.

*Time Prize*, G. R. NEWBURY, '98. Time, 1 hour 10 1-2 minutes.

#### HANDICAP.



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ARCHITECTVRAL



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CLINTON L. RICHARDSON, 1900.

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HERBERT H. STARR, '99.

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JOHN W. WOOLLETT, '99.

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FRANCIS H. WATTS.

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PROF. ALFRED E. BURTON.  
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FRANK P. MCKIBBEN.  
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CHARLES B. BREED.

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R. F. BENNETT.  
C. W. BROWN.  
G. P. BURCH.  
F. O. CLAPP.  
P. H. DELANO.  
A. B. FOOTE.  
B. HERMAN.  
A. R. HOLLIDAY.  
R. W. LOUD.  
G. MAGEE, JR.  
W. E. PARKER.

R. H. PINKHAM.  
W. A. PRICE.  
J. REAL Y GAILLARD.  
J. H. RICHARDSON.  
S. B. ROBERTSON.  
F. R. SITES.  
C. A. SMITH.  
H. H. STARR.  
D. H. TAYLOR.  
F. C. WADDELL.  
L. R. WHITAKER.  
W. C. WHITNEY.  
G. C. WINSLOW, JR.

J. W. WOOLLETT.

### Class of 1900.

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G. H. ARCHIBALD.  
C. G. BARRY.  
I. BOWDITCH.  
Z. M. BRIGGS.  
J. R. BROWNELL.  
E. P. BURDICK.  
E. L. CHAPMAN.  
F. D. CHASE.  
F. H. COOKE.  
L. A. CROWELL.  
H. M. FLANDERS.  
G. C. GIBBS, 3D.  
H. M. HARPS.  
A. R. HOLMES.  
C. M. LEONARD.

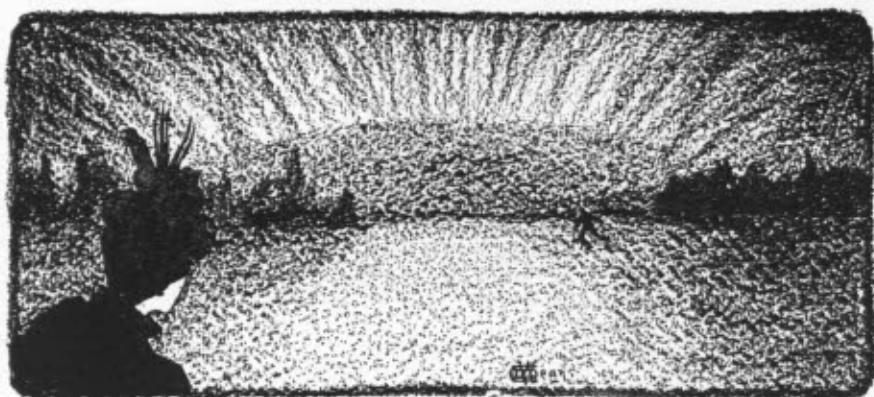
H. W. OXNARD.  
W. C. PICKERSGILL.  
J. L. PORTER.  
A. A. REIMER.  
C. A. RICHARDSON.  
C. L. RICHARDSON.  
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E. F. VOGEL.  
R. WASTCOAT.  
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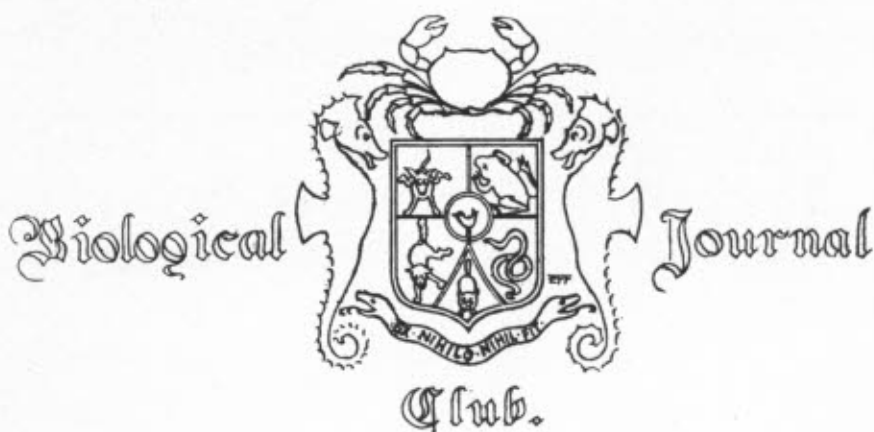
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多利おまを  
 何れぬあま  
 多し人々  
 但しにきく  
 東の花は  
 南よりあま

男よ於視ふ  
 多しあま  
 賜ひたる  
 味はさへ  
 大なるも  
 必しもと



# Technology Publications

1890

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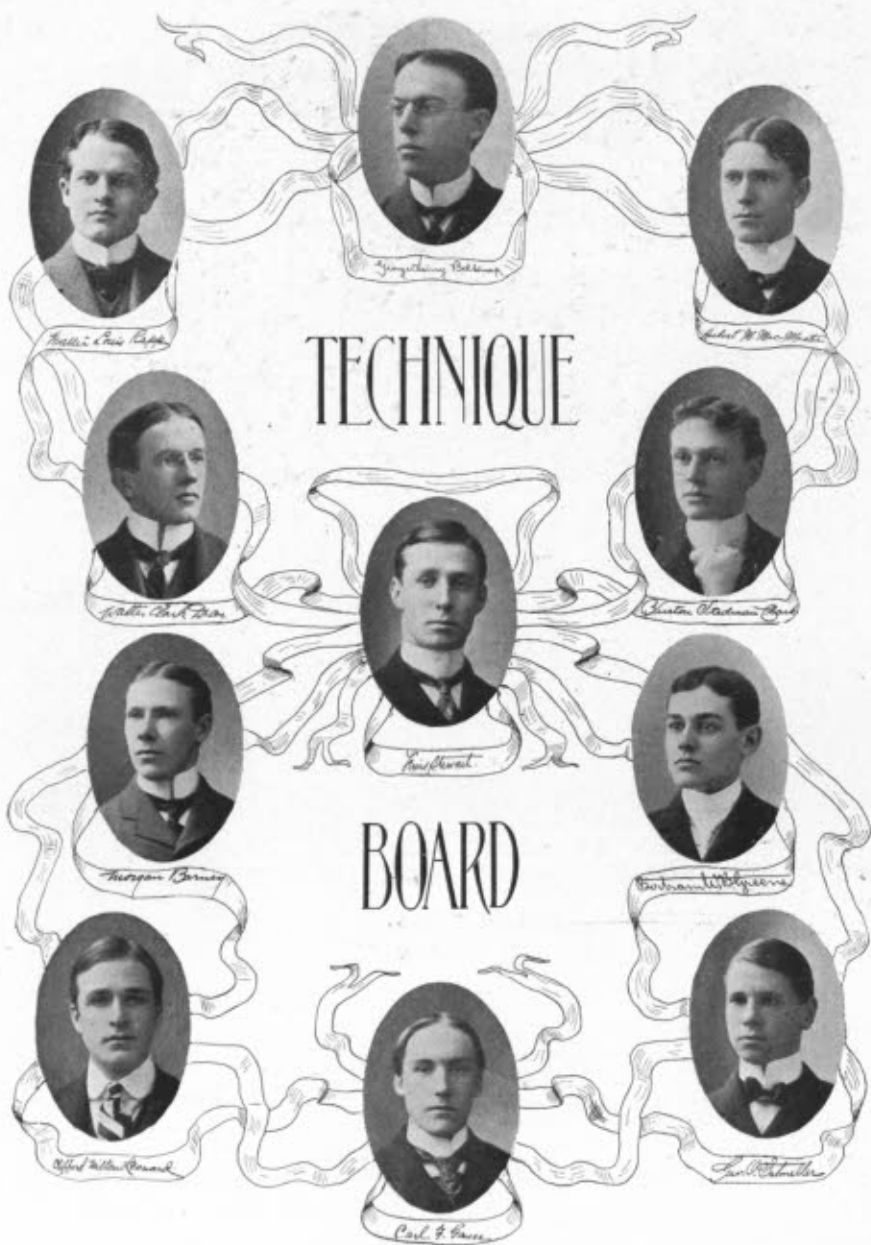
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#### Assistant Business Manager.

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Mr. Sidney Fuller Ross was originally on the artistic staff, but did not return to the Institute this year.



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*Editor.*

ROBERT P. BIGELOW.

# Technology Review

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ARTHUR DEHON LITTLE, '85.

CALVIN FRANK ALLEN, '72.

JAMES PHINNEY MUNROE, '82.

## Editor.

ARTHUR THOMAS HOPKINS, '97.

## Our Pope.

---

The Pope at Rome extends his sway  
O'er many distant lands,  
And T-mm- P-p, at M. I. T.,  
The trembling "fresh" commands;  
But either of these mighty Popes  
Would give up and feel blue,  
If they but knew the prowess of  
Our Pope of Naughty-two.

Now if you fain would know our Pope,  
The time you should see him  
Is when he tries so recklessly  
His "stunts" up at the Gym.  
Upon the horizontal bar  
He sits high in the air;  
Then backwards he will somersault  
As if he did not care.

Sometimes he fails to fall just right,  
And lands upon his neck  
With heavy thud, that would reduce  
Most men into a wreck;  
But Pope enjoys a tumble  
After each and every feat,  
And, like his counterpart at Rome,  
Sits on his Papal seat.



# GLEE CLUB



Freeman Davis Friend Miller  
Hooker James Brown Adams Hudson Page Allen  
Bender Hewitt Brush



*Leader.*

WALTER OWEN ADAMS.

*Manager.*

WALTER POORE DAVIS.

**First Tenors.**

WALTER OWEN ADAMS.  
WALTER POORE DAVIS.  
LEWIS EMERY.  
CHARLES A. WHITTEMORE.

**Second Tenors.**

LOURY DRAVO W. BENDER.  
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FREDERIC WILLIAM FREEMAN.  
ALFRED WILLIAM FRIEND.  
HENRY PHILIP JAMES.  
CHARLES BARNARD PAGE.

**Second Basses.**

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HENRY KEENE HOOKER.  
HENRY NORMAN HUDSON.  
LEWIS ARTHUR MILLER.

# MANDOLIN CLUB



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Ritchie Brooks Baldwin Hussey Brouson Case  
Oxnard Palmer Coolridge



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FRANK DAVID CHASE.  
WILLIAM HOWARD FULTON.  
ALBERT WILLIS HIGGINS.  
HORACE WHITCOMB OXNARD.  
WORTHINGTON PALMER.  
FREDERICK ARTHUR POOLE.  
ANDREW ELIOT RITCHIE.

**Guitars.**

JOHN STANARD BRONSON.  
EDWARD BLISS COOLIDGE, JR.  
PIERRE BARBEAU PENDILL.

**Flutes.**

HERBERT MONROE CASE.  
ALLEN LOOMIS.

**Violin.**

JAMES WHITTLESEY HUSSEY.

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Walker Lockett Boyd Hazeltine



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EDWIN PARKS BURDICK.

PAUL ERNEST CHALIFOUX.  
MORTIMER BRISTOL FOSTER.

HARRY KEITH WHITE.

**Banjos.**

DONALD MINOR BELCHER.

ARTHUR HAROLD SAWYER.

**Guitars.**

HARRY LESLIE WALKER.

KENNETH LOCKETT.

BENJAMIN PRESCOTT HAZELTINE, JR.



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#### *Assistant Manager.*

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### Schedule of Concerts for 1898-99.

Dec. 1, 1898, Milton.	Feb. 23, 1899, Newton.
Dec. 5, 1898, Salem.	Mar. 18, 1899, Colonial Club.
Dec. 14, 1898, Home Concert.	Apr. 7, 1899, Technology.
Dec. 19, 1898, Every Day Church.	Apr. 26, 1899, Home Concert.
Dec. 29, 1898, Gloucester.	
Jan. 7, 1899, Wellesley College.	
Jan. 10, 1899, Mt. Holyoke College.	





HOTEL VENDOME, DECEMBER 19, 1898.

**Coastmaster.**

ROLAND WILLIAMS STEBBINS.

*President's Address* . . . ARTHUR LITTLE HAMILTON.

"Let them behold the melancholy of a magistrate,  
and taste the fury of a citizen in office."

'99 *Quartette*, MESSRS. ADAMS, JOHNSON, PIERCE, AND PAIGE.

"They're welcome all; let 'em have kind admittance.  
Music make their welcome."

*Class Day* . . . CLARENCE RENSHAW.

"So long as men can breathe or eyes can see,  
So long lives this."

*Flute and Piano* . . . MESSRS. LOOMIS AND PAIGE.

"The Dorian mood of flutes and soft recorders."

*Reminiscences* . . . KENNETH MALLON BLAKE.

"And oft a retrospect delights the mind."

*Solo* . . . HARRY GEORGE JOHNSON.

"What harmony is this? My good friends, hark!"

*Banjos and Guitars* . . . MESSRS. ADDICKS, HAZELTINE, WHITE, AND BLAKE.

"No mirth without musik."

*Technology* . . . EDWARD HOSMER HAMMOND.

"The riches of scholarship and the benignities of  
literature defy fortune and outlive calamity."

*Violin and Piano* . . . MESSRS. LORING AND GILLSON.

"Musica magis dementat quam vinum."

*Theses* . . . WILLIAM STARK NEWELL.

"It is not the passing thro' these learnings that hurts us,  
But the dwelling and sticking about them."

'99 *Quartette* . . . MESSRS. ADAMS, JOHNSON, PIERCE, AND PAIGE.

"And once more I shower a welcome on ye; welcome all."



HOTEL BRUNSWICK, MARCH 10, 1899.

**Coastmaster.**

LEWIS STEWART.

*Address* . . . . . WALTER LOUIS RAPP.

"When a wise man gives the better counsel give me mine again."

*"Technique"* . . . . . MORGAN BARNEY.

"Wit's last edition is now i' th' press."

*Bass Solo* . . . . . PERCY ROLFE ZIEGLER.

"His voice was like the warbling of a bird,  
So soft, so sweet, so delicately clear."

*Old Rogers* . . . . . JOSEPH PORTER DRAPER.

"There's nothing ill can dwell in such a temple."

*Our new Gym.* . . . . ROBERT PARKER ROBERTS.

"By sports like these are all their cares beguill'd;  
The sports of children satisfy the child."

*Mandolins and Guitars* . . . . . { MESSRS. BROWNELL, CHASE, BROOKS,  
FULTON, WALKER, AND SCOTT.

"This music in my heart I bore  
Long after it was heard no more."

*When I am a Senior* . . . . . NEWITT JACKSON NEALL.

"The true beginning of our end."

*Vignettes* . . . . . WILLIAM RAWSON COLLIER.

"What fools these mortals be."

*Stein Song* . . . . . PERCY ROLFE ZIEGLER.

ASSISTED BY MESSRS. BROWNELL, WALKER, AND BROOKS.

HOTEL VENDOME, MARCH 9, 1899.

**Coastmaster.**

WILLIAM TRUMAN ALDRICH.



<i>The Class</i>	.	.	.	.	.	NEWMAN LORING DANFORTH.
						MUSIC.
<i>Athletics</i>	.	.	.	.	.	RAY MURRAY.
						MUSIC.
<i>The Tech</i>	.	.	.	.	.	PHILIP C. PEARSON.
						MUSIC.
<i>A Gridiron Roast</i>	.	.	.	.	.	FARNUM FRANCIS DORSEY.
						MUSIC.
<i>'01 at the Bat</i>	.	.	.	.	.	LEONARD S. FLORSHEIM.
						MUSIC.
<i>Our "Technique"</i>	.	.	.	.	.	PRESTON Y. DUNWOODY.
						MUSIC.
<i>Eccentricities</i>	.	.	.	.	.	RALPH PLUMB.



YOUNG'S HOTEL, MARCH 24, 1899.

**Coastmaster.**

CHARLES WETMORE KELLOGG, JR.



*Address* . . . . . ALBERT EATON LOMBARD.

*Camp Life on Irvington Street* . . . . . WALTER HENRY SIMPSON.

"Here patriots live who, for their country's good,  
In fighting fields, were prodigal of blood."



*Banjos and Guitar* . . . . . { MESSRS. BELCHER, CHALIFOUX,  
LOCKETT, AND SAWYER.

*Football* . . . . . ALFRED WARREN ALLYN.

"How fierce in fight, with courage undecayed!  
Judge if such warriors want immortal aid!"

*Track Athletics* . . . . . AUSTIN CLARENCE WOOD.

"Their airy limbs in sports they exercise."

*Piano and Mandolin* . . . . . MESSRS. CHALIFOUX AND POOLE.

*The Ladies* . . . . . GEORGE BRIGHT, JR.

"As for the women, though we scorn and flout them,  
We may live with, but cannot live without them."

*"Chem. Lab." and Other Things* . . . . . CHANDLER HOVEY.

"Life is a jest, and all things show it:  
I thought so once, but now I know it."

*Banjos and Guitars* . . . . . MESSRS. BELCHER, CHALIFOUX, LOCKETT, AND SAWYER.

# JUNIOR WEEK



April 20.—Reception at Technology Club. Junior Promenade, Copley Hall.  
April 21.—Technology Theatricals, under management of the Walker Club.  
April 22.—Technique, Vol. XIII., issued 12 M. Reception by the Editors of *The Tech*, *The Tech* Office. Annual Spring Concert of the Musical Clubs, and Dance, Paul Revere Hall.



**Junior Promenade.**

COPLEY HALL,  
APRIL 20, 1898.

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ARTHUR LITTLE HAMILTON,  
ALEX. RIEMAN HOLLIDAY,  
ROLAND WILLIAMS STEBBINS.

**Matrons.**

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MRS. ALEXANDER S. PORTER.  
MRS. BARTHOLO SCHLESINGER  
MRS. PAUL THORNDIKE.

• I • D • M • A • R • T • I • N •

**JUNIOR PROM**

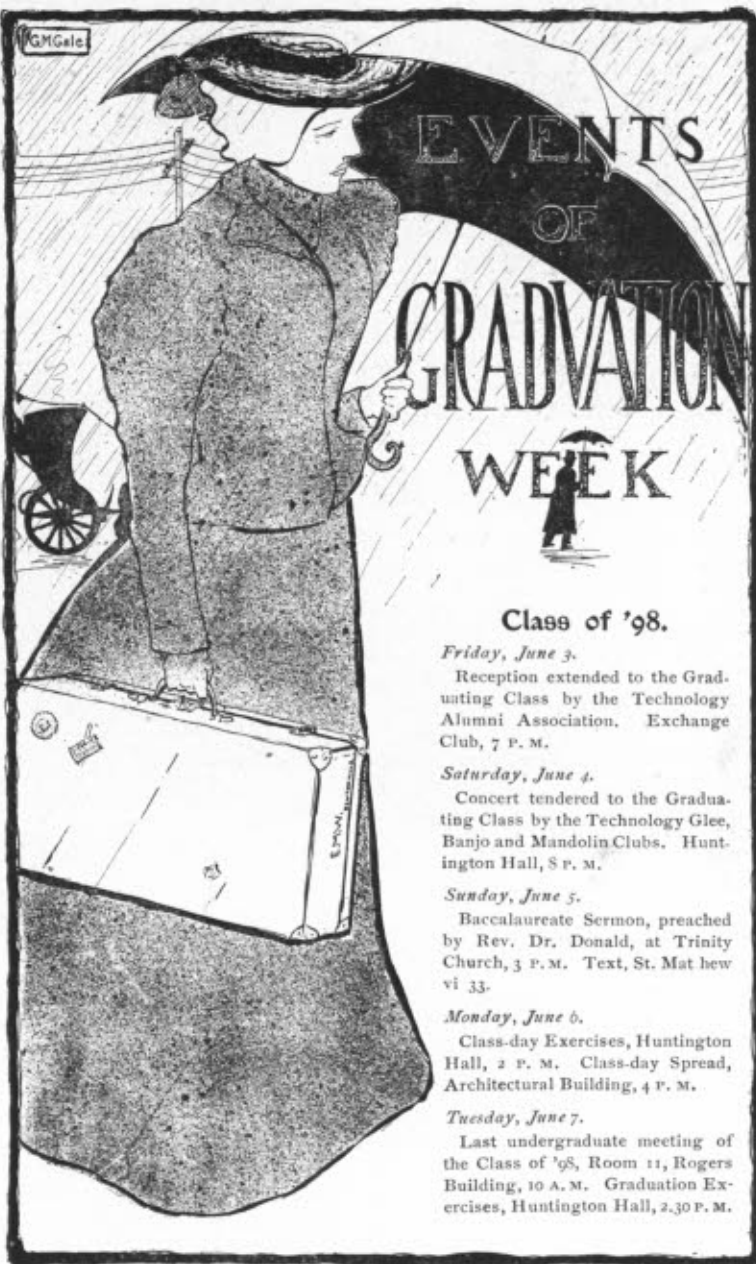


## "The Magistrate."

### Synopsis of Scenery.

- ACT I. *At Mr. Posket's, Bloomsbury.*  
 ACT II. *Room in the Hotel des Princes, Meek Street.*  
 ACT III. *The Magistrate's Room, Mulberry Street.*  
 ACT IV. *At Mr. Posket's again.*

Mr. Posket	} (Magistrates of the Mulberry Street Police Court.)	{ EVERETT NICHOLS CURTIS, '98. CHARLES EDWARD LORD, '98.
Mr. Bullamy		
Colonel Lukyn (from Bengal, retired)		JOHN TIMOTHY SCULLY, JR., '01.
Captain Horace Vale (Shropshire Fusileers)		ROBERT HODGEN CLARY, 1900.
Cis Farrington (Mrs. Posket's son by her first marriage)		HARRY LEONARD MORSE, '99.
Achille Blond (proprietor of the Hôtel des Princes)		NEWITT JACKSON NEALL, 1900.
Isadore (a waiter)		AMASA AMIDON HOLDEN, '99.
Mr. Warmington (chief clerk at Mulberry Street)		GEORGE CROCKER GIBBS, 3d, 1900.
Inspector Messiter		GEORGE EUGENE MATHEWS, '98.
Sergeant Lugg		FREDERIC ELWIN EVERETT, 1900.
Constable Harris		JAMES KENNETH CLARK, '99.
Wyke (servant at Posket's)		EDWARD HATTON DAVIS, 1901.
Agatha Posket (late Farrington, née Verrinder)		ALLAN WINTER ROWE, 1901.
Charlotte (her sister)		GODFREY LEWIS SMITH, '99.
Beatie Tomlinson (a young lady reduced to teaching music)		FRED HENRY TWOMBLY, '98.
Popham (maidservant at Posket's)		ARTHUR MCGREGOR CONSTANTINE, 1900.



GMGals

# EVENTS OF GRADUATION WEEK

**Class of '98.**

*Friday, June 3.*  
Reception extended to the Graduating Class by the Technology Alumni Association. Exchange Club, 7 P. M.

*Saturday, June 4.*  
Concert tendered to the Graduating Class by the Technology Glee, Banjo and Mandolin Clubs. Huntington Hall, 8 P. M.

*Sunday, June 5.*  
Baccalaureate Sermon, preached by Rev. Dr. Donald, at Trinity Church, 3 P. M. Text, St. Matthew vi 33.

*Monday, June 6.*  
Class-day Exercises, Huntington Hall, 2 P. M. Class-day Spread, Architectural Building, 4 P. M.

*Tuesday, June 7.*  
Last undergraduate meeting of the Class of '98, Room 11, Rogers Building, 10 A. M. Graduation Exercises, Huntington Hall, 2.30 P. M.



HUNTINGTON HALL, MONDAY, JUNE 6, 1898.

### Class-day Officers.

*First Marshal.*

GEORGE REED WADSWORTH.

*Second Marshal.*

ROBERT ALLYN.

*Third Marshal.*

GEORGE ANTHONY HUTCHINSON.

*President of '98,* CHARLES-EDWARD AMORY WINSLOW.

*Historian . . .* LESTER DURAND GARDNER.

*Statistician . . .* EDWARD SAMUEL CHAPIN.

*Poet . . .* THOMAS EDDY TALLMADGE.

*Prophet . . .* JOHN STEARNS BLEECKER.

*Orator . . .* ERNEST FRANK RUSS.

### Class-day Committee.

CARROLL AUGUSTUS BENNINK.

HOWARD LAWRENCE BODWELL.

HOWARD LINCOLN COBURN.

HERBERT KING CONKLIN.

FRANK EUGENE COOMBS.

HOWELL FISHER.

SUMNER MOULTON MILLIKEN.

FRANK BRIDGHAM PERRY.

WILLIAM EDWARD PUTNAM, JR.

EDWARD MOLINEUX TAYLOR.

FREDERICK HENRY TWOMBLY.

WALTER GUSTAVE ZIMMERMAN.

### Class-day Exercises.

Address by the Class President . . . . .	CHARLES-EDWARD AMORY WINSLOW.
Address by the First Marshal . . . . .	GEORGE REED WADSWORTH.
History . . . . .	LESTER DURAND GARDNER.
Statistics . . . . .	EDWARD SAMUEL CHAPIN.
Poem . . . . .	THOMAS EDDY TALLMADGE.
Prophecy . . . . .	JOHN STEARNS BLEECKER.
Oration . . . . .	ERNEST FRANK RUSS.



HUNTINGTON HALL, TUESDAY, JUNE 7, 1898.

ADDRESS BY PRESIDENT JAMES M. CRAFTS.

**Reading of Abstracts of Theses.**

- A Design for a House near a City for a Governor General* . . . . . HUNTLY WARD DAVIS.
- Preparation and Decomposition of the Basic Nitrate of Tellurium* . . . . . DANIEL WILBERT EDGERLY.
- The Effect of Moisture in Coal for Retort Coking* . . . . . HOWELL FISHER AND JESSE T. LIPPINCOTT.
- The Smelting of a Sulphide Copper Ore* . . . . .  
GEORGE McM. GODLEY AND ROBERT MAY DRAPER.
- Studies for the Disposal of Sewage of Braintree, Massachusetts* . . . . . WINFRED DEAN HUBBARD.
- Experiments upon the Tow-rope Resistance of a Model of the U. S. S. Yorktown* . . . . .  
ALPHEUS A. PACKARD AND GEORGE K. NEWBURY.
- An Investigation of the Distribution of Power in a Cotton Mill, and a Study of the Losses in Transmission* . . . . . SHIRLEY S. PHILBRICK AND FRANK B. PERRY.
- A Statistical Study of the Export Trade of the United States with the Countries of South America* . . . . . ERNEST F. RUSS.
- On the Dielectric Constant and Electrical Conductivity of Liquid Ammonia* . . . . . MAURICE DE K. THOMPSON, JR.
- Plan for the Abolition of the Grade Crossing at Eastern Avenue, Keene, N. H.* . . . .  
GEORGE REED WADSWORTH AND WILLIAM R. STRICKLAND.
- A Method of Calibrating Wattmeters by Calorimetry* . . . . . CARL W. WATERSON AND LEWIS S. STRENG.
- On the Degree of Bacterial Purification of Water Effected by Freezing, with Special Reference to the Bacillus of Typhoid Fever and the Purity of Public Ice Supplies* . . . . . C.-E. A. WINSLOW.





## Technology Men in the Spanish War.

(The Editors are indebted to Mr. Hopkins of the *Technology Review* for the appended list of names.)

- JOHN BIGELOW, JR., West Point, '77. Captain of Tenth U. S. Cavalry; in Santiago campaign; severely wounded in charge on San Juan Hill; commissioned major for gallantry.
1868. RUSSELL, ANDREW H. Major, Inspector of Ordnance, U. S. A.
1873. RIPLEY, HENRY L. Enlisted in Battalion of Engineers, U. S. A., in 1876; rose to first lieutenant; transferred to the Third Cavalry in 1887; commissioned captain in 1895; went to Cuba in command of his troop with Wheeler's division, Shafter's Fifth Army Corps; in the fight at San Juan Hill and bombardment of Santiago; in January, 1899, the President nominated him major by brevet for gallantry in action at Santiago de Cuba.
1874. BOUVÉ, WALTER L. Entered the service as first lieutenant, First Corps Cadets; commissioned as adjutant general of volunteers, and assigned to the Third Brigade, Third Division, First Army Corps; honorably discharged, September, 1898.
1876. HUNT, ALFRED E. Captain of Light Battery B, Pa. N. G.; commissioned senior captain of light artillery in U. S. Artillery service; in service in Porto Rico till end of war; mustered out November, 1898.
1881. SWEET, HENRY N. Lieutenant in Mass. Naval Brigade; appointed ordnance member of Board of Ordnance and Fortifications; manager American Ordnance Co.; inventor of the double-action fuse for shrapnel used by the navy throughout the war.
1884. BORUP, HENRY D. Lieutenant, U. S. A.  
LYLE, DAVID A. Major, Inspector of Ordnance, U. S. A.
1885. HAINES, JOHN T. First lieutenant, Fifth Cavalry, U. S. A.; served in Porto Rico.  
MACRAE, DONALD. May, 1898, captain Co. K, Second Reg't North Carolina Vols.; did not see actual service; mustered out November, 1898.  
WESTON, JOHN F. Brigadier general, U. S. A.
1886. PIERCE, EDWARD L. July, 1898, private in Co. F, First U. S. Vol. Eng.; sergeant, and later second lieutenant; assigned to Co. D; engineering work in Porto Rico; mustered out in January, 1899, as first lieutenant, Third Battalion.

- PIERCE, JOSIAH, JR. June, 1898, commissioned major and engineer officer, U. S. Vols., First Div. Second Army Corps; in July assigned to staff of Brigadier-General Grant in Porto Rico; later in Porto Rico, assistant secretary of interior; there at present as president of military commission trying criminal cases.
- VIELÉ, MAURICE A. Captain, First U. S. Vol. Eng.
1887. COOLEY, MAURICE W. June, 1898, captain Co. B, Second Reg't, U. S. Vol. Eng.; in service at Cuba; resigned, February, 1899.
- SEARS, HENRY D. Lieutenant Co. E, Mass. Naval Brigade; on board U. S. Monitor Catskill.
- WHITNEY, GRANGER. Member Michigan Naval Brigade; mustered into U. S. Navy on U. S. S. Franklin; transferred to U. S. S. Yosemite; helped blockade San Juan; mustered out August, 1898.
1888. COLLINS, BERTRAND R. T. Ensign in Illinois Naval Force; commissioned as ensign, U. S. Navy, and ordered to U. S. S. Scorpion; took part in bombardment of Santiago and in engagement at Manzanillo; honorably discharged, October, 1898.
- HOLTON, EDWARD C. Member Troop A, Ohio N. G.; mustered into service of United States; did not see actual service.
- MOORE, GEORGE D. First lieutenant, Twenty-third U. S. Infantry.
1889. BORDEN, CHARLES N. Member Mass. Naval Brigade; commissioned ensign in U. S. Navy; assigned to U. S. S. Minnesota; later to U. S. Monitor Lehigh; honorably discharged, September, 1898.
- HAWKINS, PAUL R. Adjutant, Second Mass. Vols.
1890. BROWN, EDWARD DEXTER. Member of Troop C, U. S. Vol. Cavalry; appointed corporal and sent to Camp Black; died of typhoid fever at Fort Myer, July, 1898.
- FLOOD, SAMUEL D. June, 1898, commissioned as ensign on U. S. S. Yankton; took part in landing of marines at Guantanamo, the Santiago blockade, engagement with Alfonso XII., and Cienfuegos blockade.
1891. FÜGER, FREDERICK W. First lieutenant, Thirteenth U. S. Infantry.
- HAMMOND, CHARLES F. Chief master-at-arms, U. S. S. Yosemite; honorably discharged, August, 1898.
1892. DU BOIS, BARRON P. Past assistant paymaster, U. S. S. Bennington.
- FELAND, LOGAN. Captain Co. K, Third Reg't Kentucky Vols.
- MESSINGER, W. H. Assistant engineer, rank of ensign, U. S. S. Cincinnati.
1893. BAKER, FREDERIC W. Assistant engineer, U. S. S. Monterey; now with Admiral Dewey, at Manila.
- BUCKLEY, JAMES P. Enlisted as seaman, U. S. S. Yosemite.
- HOWE, J. WILDER. June, 1898, commissioned second lieutenant Co. H, Second Reg't, U. S. Vol. Eng.; laid out camps at Middletown, Pa., and at Augusta, Ga.; resigned, December, 1898.

1894. FERGUSON, JOHN N. Member Mass. Naval Brigade; on board U. S. Monitor Catskill in April, 1898.  
 JONES, JOHN W. Private, Fifth Mass. Vol. Infantry.  
 MACCLURE, COLBERT A. June, 1898, second lieutenant Co. D, Seventeenth Reg't, N. G. of Pa.
1895. AMES, AZEL, JR. June, 1898, commissioned captain, First Reg't, U. S. Vol. Eng.; August left for Porto Rico; served in district of Ponce; honorably discharged, January, 1899.  
 COBURN, ARTHUR S. May, 1898, enlisted as machinist in U. S. Navy on board U. S. S. Southery.  
 FOSTER, SUMNER H. Captain, U. S. Vols.  
 KOTZSCHMAR, HERMANN, JR. Senior assistant engineer on U. S. S. Manning; proceeded to Key West in May; convoy to Gussie; in action against Spanish troops and batteries; patrol duty on north coast of Cuba; in action off Santiago; proceeded to San Juan, October; to Boston, December. Remains in service.  
 PARKER, CHARLES H. Member Mass. Naval Brigade; on board U. S. Monitor Catskill in April, 1898.  
 SHERIDAN, HENRY H. K. Enlisted April, 1898, as sergeant in Troop C, First Ohio Cavalry; did not see actual service; mustered out October, 1898.  
 TILLINGHAST, CHARLES F. May, 1898, commissioned captain Co. A, First R. I. U. S. Vols.; sent to various camps; still in service at Camp Farnance, February, 1899.
1896. AMES, BUTLER. May, 1898, commissioned first lieutenant of Battery A; resigned to accept adjutancy of Sixth Mass. Reg't; August, 1898, appointed lieutenant colonel.  
 BROWN, HARRY W. April, 1898, joined Vol. Corps of Eng.; at work at Fort Independence; later at Fort Warren; resigned October, 1898.  
 CONANT, FRANCIS M. Private in One Hundred and Forty-second Separate Company, N. G. N. Y.  
 DANA, LESLIE. April, 1898, mustered into service in First Corps; sent to Newport News and Porto Rico; on board Gloucester; in action against San Juan; mustered out November, 1898.  
 LONNGREN, JOHN E. April, 1898, enlisted, with Co. B, Third Illinois Vol. Infantry; sick at Camp Thomas, Georgia; transferred to Eng. Corps with rank of first lieutenant; honorably discharged, October, 1898.  
 MORRIS, CHARLES, JR. June, 1898, appointed assistant paymaster, U. S. Navy, on U. S. S. Hist; still in service.  
 SCOFIELD, DONALD C. Private in Co. B, Tenth Ohio Vol. Infantry; now sergeant in same company.  
 SMALLEY, FRANK N. Hospital Corps, U. S. A., Manila.  
 SPAHR, ALBERT H. Private in U. S. Vols.
1897. ATWOOD, THOMAS C. June, 1898, enlisted as seaman in U. S. Navy; assigned to U. S. S. Inca as gunner's mate, second class acting master-at-arms and coxswain of the gig; honorably discharged, September, 1898.

- BROWN, WARREN D. Corporal Co. A., First U. S. Vol. Eng.
- DANIELL, JERE R. June, 1898, appointed assistant engineer with rank of ensign in U. S. Navy; detailed on U. S. S. Manhattan; honorably discharged, September, 1898.
- HOWARD, SHELDON L. June, 1898, enlisted as private, Co. I, Fifth Mass. Vol. Infantry; later appointed sergeant and mustered into service; commissioned second lieutenant; still in service.
- HUBBARD, CHESTER D. July, 1898, sergeant in Fourteenth U. S. Signal Corps; appointed first-class Sergeant of Fifteenth Co., Pa.; sent to Havana, Cuba; later to Pinar Del Rio; still in service.
- KENT, WILLIAM A. May, 1898, sergeant in First U. S. Vol. Eng.; transferred to Third U. S. Vol. Eng.; appointed second lieutenant; still in service in Porto Rico.
- LOOMIS, HENRY M. Private in One Hundred and Forty-second Separate Company, N. G. N. Y.
- POPE, CHARLES H., JR. Private, U. S. Vols.
1898. LANSINGH, VAN RENSSELAER. July, 1898, enlisted as private, U. S. Vol. Eng., Second Reg't, Second Bat., Co. E; honorably discharged.
- LONG, ZOURI H. Corporal, Co. A, First U. S. Vol. Eng.
- OSGOOD, HENRY D. Enlisted as private in Troop A, First U. S. Cavalry; honorably discharged, December, 1898.
- SPRINGER, ERNEST R. Enlisted June, 1898, captain Co. C, Fifth Mass. Vols.; did not see actual service; mustered out March, 1899.
- STRICKLAND, WILLIAM R. May, 1898, commissioned assistant engineer with rank of ensign; assigned to U. S. S. Bennington; later ordered to Honolulu; honorably discharged, January, 1899.
- TAYLOR, EDWARD M. July, 1898, commissioned second lieutenant Co. F, First Reg't, U. S. Vol. Eng.; November, first lieutenant; later adjutant, second battalion; honorably discharged, January, 1899.
1899. ADAMS, HERBERT H. Engineering work at Fort Warren.
- BURWELL, FRED O. April, 1898, enlisted in U. S. Navy on board U. S. S. Prairie.
- HITCHCOCK, ALBERT. Member of Second Mass. Vol. Infantry.
- HUSE, ARTHUR W. Private, Volunteer Signal Corps.
- PIERCE, REGINALD K. June, 1898, enlisted in Troop A, N. Y. Vol. Cavalry; served as body guard at Porto Rico to General Miles; honorably discharged, November, 1898.
- SNELLING, HOWARD. June, 1898, enlisted in First Reg't, U. S. Vol. Eng.; promoted to rank of corporal; sent to Porto Rico; mustered out of service, January, 1899.
- TAYLOR, BRAINERD. June, 1898, enlisted as private in Co. A, Sixth Mass. U. S. Vols.; went to Cuba, and witnessed surrender of Santiago; in July went to Porto Rico; took part in battle of Guanica; mustered out January, 1899.
- TAYLOR, DENZIL H. Private in Co. A, Sixth Reg't, U. S. Vols.

1900. BORDEN, RAYMOND D. April, 1898, enlisted in U. S. Navy, on board U. S. S. *Prairie*; sailed for Key West and Havana; on blockading squadron; present during Santiago and Porto Rico campaigns; honorably discharged as quartermaster, September, 1898.
- KENDALL, FREDERIC M. May, 1898, enlisted, and appointed sergeant in Co. E, Sixth Reg't, Mass., U. S. Vols.; was acting sergeant major; went to Porto Rico *via* Cuba; mustered out January, 1899.
- MILLER, S. BERWICK. May, 1898, enlisted in U. S. Navy on U. S. S. *Prairie*; sailed for Key West and Havana; on blockading squadron; present during Santiago and Porto Rico campaigns; honorably discharged, September, 1898.
- ROBSON, EDWARD R. July, 1898, mustered into U. S. service in Fifth Reg't, Mass., U. S. Vols., with rank of corporal; honorably discharged, September, 1898.
1901. BALDWIN, THEODORE A., JR. May, 1898, joined Tenth U. S. Cavalry as volunteer aide, his father being in command; went to Cuba as part of Fifth Army Corps; wounded in battle of San Juan; later appointed second lieutenant in Twenty-fourth U. S. Infantry at Fort Douglas, Utah; remains in service.
- PATCH, CLAUDE E. June, 1898, enlisted in Co. H, Sixth Mass. Vols.; left for Cuba; saw end of Santiago campaign; later to Porto Rico; landed at Guanica; sick with typhoid fever; honorably discharged, January, 1899.

## In Winter.

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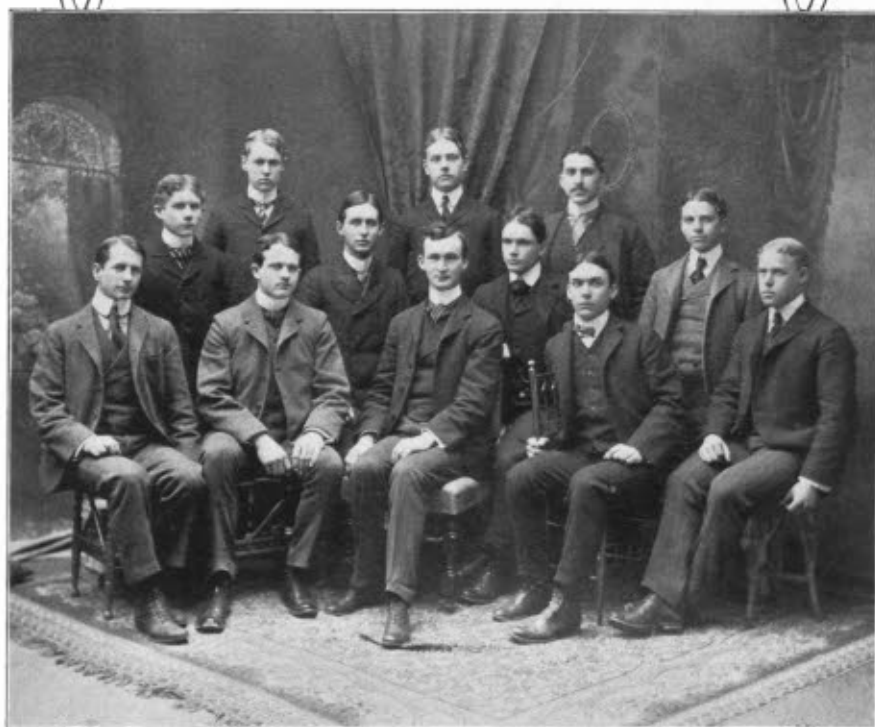
The gray sky broods; the swiftly flying snow  
Half hides the distant hillsides, sear and brown,—  
Half hides the barren meadows, sloping down  
To where, beneath the ice, black waters flow.

The earth lies bound in chains; but, wild and strong,  
The passion of its heart, though unexpressed,  
Waits till the spring shall stir within its breast,  
And give it voice to pour its soul in song.

A long-limbed maid stands where the birches part,  
With hair the color of the hills; and eyes  
Whose stormy depths are gray as winter's skies;  
And nameless, vague unrest within her heart.

She, too, is fettered, till the sun's warm kiss  
Teaches her to know herself, and Love, her lord;  
Teaches her to live and love, in sweet accord,  
With all the springtime's carolings of bliss.

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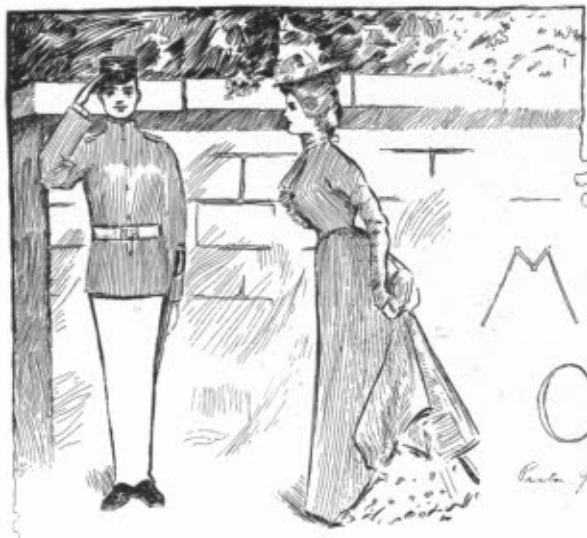
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*Sgt.* GARDNER ROGERS.  
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*Sgt.* JAMES H. BROWN.  
*Sgt.* CHARLES E. MCCARTHY.  
*Corp.* A. D. WADLEIGH.  
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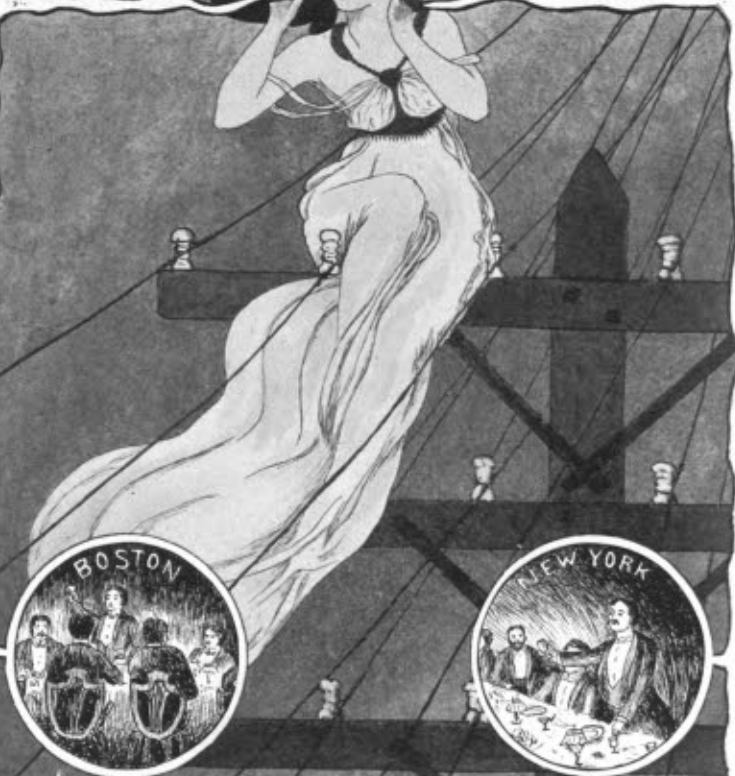
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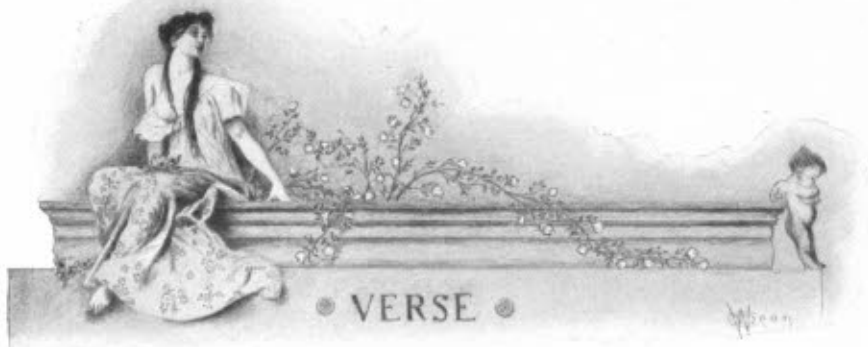
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### Science.

Is it indeed a little thing,—to stand,  
far from the human torrent's rush and roar,  
Before the shrouded Truth in silent awe,  
And with a reverent, yet adventurous hand,  
Lifting the silver veil of gauzy strand,  
Gaze on the beauty of the hidden Law,  
The justness and perfection, which before  
No eye has seen but God's, since first he planned?  
And if, besides, Prometheus-like, we grasp  
The flame whose light turns Error's dusk to day,  
Whose warmth reanimates the helpless clay  
Death and disease had threatened soon to clasp,  
Shall we begrudge the long and toilsome days,  
Or weakly crave the laurel and the bays?

C.-E. H. W.

# A RECONSTRUCTED FABLE



TO F.D.C.

I

She said, at parting, kindly,  
 "Your friendship is a thread  
 Of gold I always hold to."  
 I answered her, and said,  
 "I'll change for you a story,  
 The tale of Theseus bold,  
 The Labyrinth; but the Princess  
 Will take the thread of gold.

II

"You, Princess, mocking Theseus,  
 Too lightly touch the strand  
 Which I, like Ariadne,  
 Hold wishfully in hand.  
 With merry, backward laughter,  
 All eagerness for strife,  
 You disappear in coquetry  
 Among the woods of Life.

III

"And soon you are entangled;  
 The hearts you've lightly torn  
 Rise round like ghostly phantoms,  
 Then, deep in briar and thorn,  
 You turn, no roads remembered.  
 You're lost, and full of dread;  
 In labyrinthine danger  
 But for that golden thread."



L'ENVOI

Will she complete the fable?  
 Follow the thread of gold?  
 Or, when she's nearing Theseus,  
 Will she let go her hold?

G. W. P.



# Charlie's Hunt.\*

## Dramatis Personae.

CHARLIE CROSS,		HARRY TYLER,
GETTY,		BARLO BATES,
SHARLES,		"DOC." DEWEY,
ONREE,	} BERNARD, (all in one)	JANITOR JOMPSON,
LOOEE,		CO-EDS,
NAPOLEONG,		GRINDS,

AND

## Charlie's Hunt.

### SCENE.

Rogers Corridor as seen from the Entrance.

### TIME.

The night before New Year's, late in the '90's.

[NOTE.—No attempt has been made at historical truth.]

*(Before curtain rises, chorus from the stage.)*

O we are the Co-eds,  
Who move the whole 'Stute;  
Each one is a pearl, and  
Each one is a beaut.  
We get what we want, and  
We want what we see,—  
For we are the Co-eds  
Of M. I. T.

*(Curtain rises, showing Co-eds, disrobed in national colors of green and yellow, engaged in a grand semi-circular dance. In the midst of this dance a head appears above the floor. The head much resembles a damaged French doll. The Co-eds gather about it, wondering.)*

THE HEAD (nods three times): Hush!

*(Then enters, through a trap in the center of the stage, Charlie Cross, dressed gaudily as Queen of the Fairies. Co-eds scream.)*

CHARLIE: Hush! Oh, hush!

*(Co-eds scream again, run and hide behind pillars.)*

\* As there has been some difficulty in regard to the giving of a play by the Walker Club and L'Avenir at the same year, we suggest the following One Act Operetta for joint production by the two Societies, believing that it has strong qualities adapted to each.

CHARLIE (*front, to 'cello accompaniment*):

Oh! I have a tale to unfold;  
'Tis the saddest that ever was told.  
I've been wronged, I've been slighted,  
I'm far from delighted;  
And I've almost decided to scold!

CO-EDS (*emerge, gather near, and sing*):

And he's almost decided to scold!

CHARLIE (*turns round*): Hush!

(*Co-eds scamper back tumultuously.*)

CHARLIE:

'Tis a thing which is sad to excess;  
And it causes me deepest distress.  
Oh, to think Harry T.  
Should have sent it to me!  
I am moved to the heart, I confess!

(*Weeps.*)

CO-EDS (*sob, and sing*):

Oh, tell us sir, what did he do?  
What *did* he inflict upon you?

CHARLIE (*examines carefully the doors of the offices of Secretary and President, then front*):

Oh, it may be an awful miss-hap,  
But my Aunty, she don't care a snap!

(*Shudders.*)

Harry's great, but she's greater!  
But more of this—later;  
There is going to be a big scrap!

(*Bows, wafts a kiss to the audience, two skip steps, and exit.*)

(*Co-eds talk vivaciously to themselves in groups of one, when Getty climbs up through the trap.*)

GETTY (*executes three rag steps*): O girls, come here!

(*Co-eds gather and look expectant.*)

I know all about it!

CO-EDS: Oh, tell us, do!

GETTY: And will you promise not to applaud?

CO-EDS: We will, we will!

COURSE IX. CO-ED: We *shall*.

THE LITTLEST ONE: Yes, Papa Getty, we shall.

GETTY: Well, then, it was like this: Charlie was at his Aunt's over Christmas —

THE LITTLEST ONE: He didn't look as if he *was* "over" it yet.

(*Co-eds titter.*)

GETTY: Oh, but you mustn't, you know! And he was masquerading there as Queen of the Fairies. But all his disguises got stuck on him, and —

THE LITTLEST ONE: So do we, Papa Getty; so do we.

GETTY: Oh, but you mustn't, you know! And he hasn't been able to get them off yet. And so he had to stay away from his lectures the rest of the week. Now, there ought not to be any lectures Christmas week, anyway.

CO-EDS (*chorus*):

On Christmas week there shouldn't be  
A single bally lecture;  
And why there is at M. I. T.,  
Is far beyond conjecture.  
The Faculty have gone astray;  
But there's no use in balking:  
They'll keep it up that self-same way  
'Till some one does some talking!

GETTY: That's so! And he couldn't come, and Harry Tyler heard of it and (*whispers*) he sent a —

(*Enter suddenly, from the darkness of the back, the magisterial Charlie's Aunt. At the same time Charlie Cross enters from the President's office, and Harry Tyler from that of the Secretary. They meet in the center, mutually surprised.*)

CHARLIE'S AUNT (*to Harry*): How dare you, sir! How dare you!

HARRY (*aside*): H'm, she looks strangely familiar!

CHARLIE'S AUNT (*taking him by the collar*): How dare you!

HARRY (*aside*): H'm, she seems to *act* strangely familiar, too! (*To her*) Er—how dare you—I mean, How de do? A new scholar? The Margaret Sheeny room is —

CHARLIE'S AUNT: Nonsense! Look at that (*pointing to Charlie*). How dare you, sir!

HARRY (*looks long and earnestly at the bedecked Charlie*): I shouldn't dare. I really shouldn't. I don't see how *he* did; at least, while Tech. is running.

CHARLIE'S AUNT: But the letter you sent. You scoundrel! Here (*produces letter and reads*):

“MR. CHARLES R. CROSS:—

Please explain your absence from Physics (2) [4-11-44] (98-12)

(3) [7-(2)] B\*.

H. W. TYLER.”

Now, what do you say to *that*?

(*Harry's countenance betrays his guilt, Charlie sobs quietly, while the Co-eds remark to each other audibly that Charlie's Aunt looks strangely familiar. [At this point the audience is requested to become excited.] A pair of legs is seen descending the right-hand staircase in the rear. All turn and watch rapturously, except Charlie's Aunt, who shrieks for justice. At the end of three minutes the figure has descended far enough to reveal a huge watch and chain hanging from one of the vest pockets.*)

ALL: Dr. Dewey!

THE LITTLEST CO-ED: 'Tis “Doc.” Dewey's watch,—his one-dollar watch!

CHARLIE'S AUNT: Then he shall be our judge.

(*All rush to the rear explaining matters to Dr. Dewey, while the Course IX. Co-ed advances, and tiptoeing back and forth across the stage, slowly chants*):

Doc-tor Dew-ey has-a clock,—  
Pretty dollar watch.  
Bought-on tic, it's just-the tock,—  
Pretty dollar watch.  
It makes a noise he can not drown;  
It runs the fast-est run-ning down;  
Most ec-o-nom-ic-al in town,  
Doctor Dewey's watch.

*(Dewey comes forward, tries a few paces, but thinks better of it. Looks at Harry, strokes his chin, and grins. Harry quakes. He clears his throat. Harry quakes again.)*

DEWEY:

I'm not a very good hand at making anything like a rhyme,  
But I'll try just once, and say,  
Harry is guilty of a crime,  
Which should be punished without delay.  
How's that?

ALL BUT HARRY: Good! Good! More!

HARRY *(aside)*: And that's what's been running Course IX. Good Lord! No wonder!

DEWEY:

And so I condemn him, and judge it fit that he  
Be made in red-hot fires to scorch.  
And the signal for this death shall be  
The striking of my one-dollar watch!

Cheap at half the price! Call in the executioners. *(Aside to Charlie)* It's a good thing economically. That's why I did it. He is a great drain on the exchequer of the State. Oh, I'm a bird!

*(Great commotion on the stage. A rope is seen hanging from the flies. Co-eds hysterically cry, "The Executioners!" Two people descend the rope with lightning-like rapidity; and, seizing each other, begin a wild, revolving can-can. They go so fast that they cannot be recognized.)*

THE LITTLEST ONE: What is it! Oh, what is it!

*(Charlie Cross appears with a revolving mirror apparatus, focuses it on the dancers, and starts it whirling in the opposite direction. A great reflection is thrown on the TECHNIQUE poster, and in the reflection is seen Barlo Bates and Sharlie Bernard holding tight to each other and frantically jumping up and down. They stop, and with Charlie's Aunt and Dr. Dewey, go through a minuet, accompanied by a ballet of the Co-eds led by Getty. During this, enter Janitor Jompson, who goes unobserved to Harry Tyler.)*

JANITOR JOMPSON *(in a high falsetto, giving to Harry a bottle of Tech. lunch-room Tomato Ketchup.)*—Air of "Ben Bolt":—

Oh, don't you remember me? Think, Harry T.;  
I was janitor when you were here  
As a Fresh. and a Soph., but with nary a C.;  
I took care of you every year.  
O Harry, those years are not forgotten;  
And I've come here to save you to-day.  
All this mixture, so red.  
You must pour on your head,  
And, disguised, you may thus get away.

*(The minuet stops. All wait expectantly for Dewey's watch to strike. Harry, in the background, operates the bottle, emptying the contents over his head and face.)*

"DOC." DEWEY *(suddenly)*: Shades of Carl Marx! I swear that's odd. *(Holding up the watch)* I forgot to wind it! O my God!

*(General confusion, in which Harry crawls to the trap and descends head first.)*

CHARLIE'S AUNT (*discovering he is gone*): He is gone! (*Pointing to Barlo and Sharlie Bernard*) Seize them! The death penalty for carelessness! They must be executed!

BARLO: } I rebel! I won't be executed!  
SHARLIE: }

"DOC." DEWEY (*aside*): Ah, she didn't take the element of Human Nature into consideration. Economically, she's not onto her curves.

CHARLIE'S AUNT: Treason!

BARLO: Treason yourself! I simply won't be executed! Who are you?

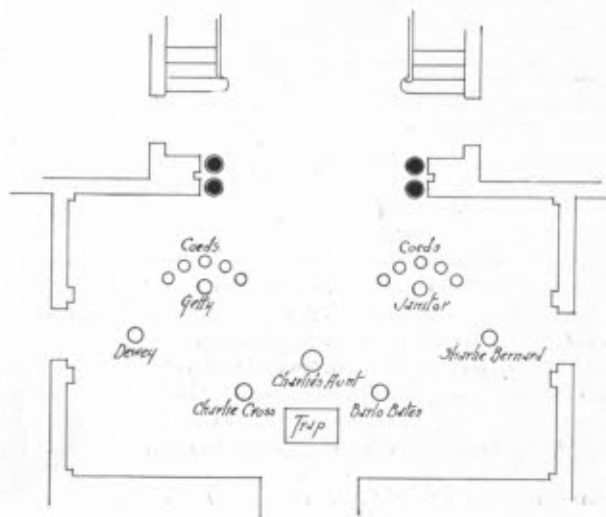
SHARLIE BERNARD: *Oui, oui! Oui, oui, oui! Qui êtes vous?*

(*Charlie's Aunt stands petrified.*)

CHORUS OF ALL: Yes, who are you?

# TABLEAU.

(*"Doc." Dewey winds up his watch, accompanied by the snare drum in the orchestra.*)



(*Dewey's watch now strikes three, with as many dull, sickening thuds.*)

BARLO (*to Sharlie Bernard*):

DEWEY (*to Charlie Cross*):

GETTY (*to janitor*):

CO-EDS (*to each other*):

CHARLIE'S AUNT (*to audience*):

It's morning!

Happy

New

Year!

(*Noise heard of approaching footsteps outside. Song from without*):

They call us grinds, but we don't care;

When it comes to C's, we get our share.

Oh! 'tis C's that we're after.

We desire no other sins;

So we'll do a little plugging

Before

Tech.

be-

gins!

(Enter two grinds.)

GRINDS (see Charlie's Aunt, and fall back in terror): THE BIRD! THE BIRD!  
(Charlie's Aunt swoons, with a noise of breaking glass.)

CO-EDS: Yes!

GETTY: My!

DEWEY: Great Ricardo!

SHARLIE B.: Sacré!

JANITOR: Help!

BARLO: God!

THE BIRD! ! !

(Enters a hairless, beardless individual, who looks closely at the fallen Charlie's Aunt.)

INDIVIDUAL: Sacred Flunk! It is! THE BIRD! !

ALL (turning): Who are you? (Aside) I've seen him before!

(Individual comes to the front and tunes his voice to the Saxhorn.)

INDIVIDUAL:—

I was your Secretary,  
And my name was Harry T.;  
But I'm altered altogether,  
Until now I'm what you see.  
My hair was like a poet's,  
And my beard was just O. K.;  
But my chin is like a Co-ed's,  
And my head is naked clay!

JANITOR: Sacred twenty-five years of faithful Institute service! The Ketchup!

HARRY: Yes; the Ketchup!

I have suffered retribution  
Of a fearful, deadly kind;  
But to this great resolution  
I have quite made up my mind:  
I'll never send a notice  
In all the days that follow,  
Saying, "Please explain your absence,"  
To any living scholar!

ALL: Hurrah! Hurrah! ! Hurrah! ! !

(During the uproar of "Hurrah" the voices of the Co-eds are heard singing):

So, then, hurrah for Harry T. !  
For Hairy he will ever be.  
To Doctor Dewey three times hail,  
And Getty—fatherly and frail.  
Bow down to Barlo—man of awe;  
Give worship to the Janitor.  
Three cheers for C. H. L. N. B.;  
As many more for Charlie C.  
And for The Bird let each one sing,  
And shout, and cheer like anything.  
But for Ourselves let no one speak;  
The Grinds will fix us in TECHNIQUE.

*(All join in the closing chorus):*

Hurrah! hurrah for M. I. T.,  
That mighty place where fame is found!  
Hurrah for old Technology,  
Where men of genius all abound!  
Hurrah for all the Corporation!  
Hurrah for all the Faculty!  
Hurrah for Tech.'s fine reputation!

BARLO:

DEWEY:

HARRY T.:

CHARLEY C.:

C. H. L. N. E. T. C.:

GETTY:

JANITOR:

CO-EDS:

GRINDS:

THE BIRD:

And, most of all, Hurrah  
For ME!

CURTAIN.

# QVIPS AND CRANKS AND WANTON WILES



W. Frank - Bird - Baster - W.



C. R. X., JR.: "I hope they won't grind papa, it does make him so cross."

## Grinds.

The first grind,—Frehsman ink.

S. C. S--RS, 1900: "So, you see, I'm not so stupid as I look, after all."

P. G. L. H-LK-N, 1901: "Oh, no! I didn't think so for a minute."

## When Harry T. Looked In.

SC-LL-, 1901 (rehearsing Cattermole in the English play): "Will you get out, or shall I have to put you out?"

M. S-LV-RM-N, '00: "Do you use centimeters in finding the capacity of the earth?"

PROFESSOR CL-FE-RD: "Yes,—you use—common sense—and—centimeters."



Reproduced from a Photograph taken  
on the Spot.

R. W. B--l-y making his famous throw of 32 feet,  
Irvington Oval, November, 1897.

### "Je ne le Comprend Pas."

L-W-S EM-R- (translating): "Vous avez bien failli ne pas me revoir." "You just missed seeing me."

M. CH-RL-S B-RN-RD: "You just missed seeing die point."

L-W-S EM-R- (very seriously): "Yes; that's what I meant to say."

M. CH-RL-S B-RN-RD: "No, no. Die correct translation is, 'You come very near not to see me.'" (The class adjourns with the conviction that it knows nothing of English construction.)

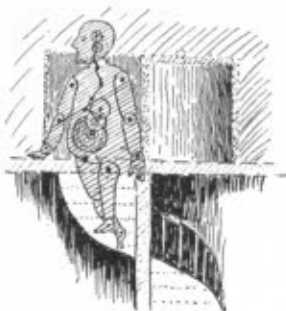
### Applied Mechanics.

The subject of repeated loads  
Was extensively explained;  
And "Sondy" spieled examples,  
While his face grew flushed and pained.  
He told of applications  
Of quite uncommon kind,  
But two noteworthy cases  
Had somehow slipped his mind.

The first of these omissions,  
Oft considered under cranks,  
Is the "load of repeats" that G--dw-n gives  
On the Sophomore Phys. Lab. blanks.  
The other important example  
Of which "Sondy" did not speak,  
Is the constant "load" which "Dippy" brings  
To Dutch six times a week.

### A Popular Lecturer at the Institute.

The "cross" section shown discloses an interesting mechanism. Details of the automaton: Time of cycle of motion of whole mechanism, one year. Vibrating head (unsympathetic) period, 10 seconds. Whitworth quick-return attachment. Regulated by clock work. For other wheels employed see P. Schw-mb's "Notes on Gearing."



"WHEN there are two plays in town, and two girls whom I desire to take to the theatre, \$2 a week is as nothing at all."—*G. - H-ll, 1900, in a daily theme.*

PROFESSOR B-RT-N: "At this place on your map there is an obstruction to the flow of the stream. We will indicate it by a dash—the conventional sign for a dam."

### Three of a Kind, or Corporal B., Professor P., and the Book.

CORPORAL B- -L-Y (with copy of "Thermodynamics of the Steam Engine"): Professor P- -b-dy! Professor P- -b-dy! isn't your book a little—er—mixed in this point?"

PROFESSOR P- -B-DY: "No; "that's just a typographical error. But w—where did you say it was?"

In P-mb-r and M-lt-do,  
T-lm-n and Ch-li-f- -x,  
You see the length and breadth  
Of the Class of '02.

"WHAT were the results, good and bad, of the French Revolution?"

HERBERT, '99: "It abolished the worship of God, and established the metric system."

"Oh where, oh where has my little dog gone?"—*Biol. Lab.*

"Oh where, oh where can he be?"—*Lunch Room.*

"With his tail cut short,"—*C. H. L. N. B.*

"And his ears cut long,"—*Ch-lm-rs, '00.*

"Oh where, oh where is he?"—*Leon B.*

### O, I Don't Know.

DR. G-LL (to C. H. Br-wn in Applied Chemistry): "Mr. Br-wn, I think you really know more about this than you are willing to admit."

MOTTO for J. B. L-ws (1901 politician): "If at first you don't succeed, try, try again."

G. C. G-BBS, '00 (explaining German lesson to Freshman): "Why, if it wasn't for me you'd be the biggest fool in the Institute."

### Eliot Street!

FRESHMAN (to assistant in Secretary's office): "Can you please tell me where Professor D-w-y lives?"

ASSISTANT (consulting register): "52 Eliot Street."

FRESHMAN: "Boston?"

ASSISTANT (with a look the Freshman does not comprehend): "No; Jamaica Plain."

MR. ERH-RDT (to his French Class): "O, why will you insist in pronouncing a termination that does not exist?"

# Exhibit of the M. I. T. Camera Club.



At a recent meeting of the M. I. T. Camera Club the following pictures were awarded first mention :—

1. As he appears at the Nickelodeon in his latest skit, entitled, "I would rather be a living mucker than a dead gentleman."
2. "The President has a willing pupil." A daily scene on the Technology links.
3. "Tech.'s strong man."
4. "Tech. at the front." Taken by the Club's special artist before San Juan Hill.
5. "The young Arlo." Author of "Outdoor and Bug Life."
6. "The Hero of Manila."
7. "T-mmy the Tadpole." A snap shot of the noted swimmer bound for his morning dip at City Point.
8. "W-bst-r W. as he appears to the general public."

## A Lecture in General Guyology.

BY DR. HEDGETHICK.

WE shall begin this afternoon by discussing the lowly, and in most ways humble, little animal known as the earthworm. I suppose you all know what an earthworm looks like. Like a lead pencil, I hear one say; that is very good. What? Yes, or like a snake. Mr. H-II says it resembles a snake; that is not so good. There are people, you know, who have a habit of mistaking many things for snakes. Mr. H-II, I dare say, has mistaken his own book strap for one before now. No; a lead pencil is better. Yet the earthworm has not so smooth and regular a surface as the lead pencil; it is more like a string of beads. And here we have a fine simile for life. What is life? Life is like a delicate thread. When the life in a living earthworm is interrupted, the worm falls to pieces into its components of matter. And so when the thread in the string of beads is broken, the beads all fall off into a pile, like a plate of hash. And lest there may be any here who are not acquainted with the general appearance of hash, I will ask Dr. H-Im-n to go down to the lunch room and bring me up a plate of it (corned beef, Doctor, if you please). And, Doctor, kindly drop a little tomato ketchup on it as you cross the dining room; and ask Mrs. King if she can also supply a hot roll.

There are many things that have the general appearance of earthworms, but I can conceive of none much more pleasant to consider than the hot, twisted roll. The earthworm at times twists itself,—for “even a worm will turn,” you know; and then if we can imagine the worm to be white, and magnified a great many times, and shoved together endwise by a process of antero-posterior hit-the-end-ciation, we have a very presentable—(thank you, Doctor,)—a very presentable-looking roll. I doubt if it would taste as well as the—um; no, I don't think it would; this is a particularly delicious roll. But, nevertheless, it would, I am sure, make as good a roll as—well, as it would a pie. But then, we all know there are few things that *are* as good as pie,—er, Dr. H-Im-n, do you suppose you could get us a piece of pie? (Yes, mince, please.) And while the Doctor is gone we will consider the earthworm's ambulatory apparatus. The ambulatory apparatus is used in ambling. So when Mr. H-II sees a snaky worm ambling over his notebook some evening, he will know that it is using its ambulatory apparatus. (Thank you, Doctor.) Now, this apparatus consists of a lot of little things resembling toothpicks,—and, Dr. H-Im-n, kindly get us a toothpick,—and these work very well, except on a slippery or smooth place. If, for example, the worm were on a sheet of moistened glass,—as if, say, I poured a glass of water (ah, thank you, Doctor; and now a glass of water) on the window pane,—the worm would have great difficulty in climbing up. Perhaps this may be partly on account of the glass being in a vertical position, but it is not wholly; for suppose we hung up a piece of cloth,—say a napkin (thank you, Doctor; and now, please, a napkin),—then how do we know that the worm couldn't climb up? We do not know. In fact, what *do* we know? Is not all knowledge merely relative—symbolic? And, in the absolute, who can tell whether the very house we live in, or the clothes we wear, or the hash, roll, or pie we eat, or the water, toothpick, or napkin we drink, or the watch we car—ah, ten minutes past four. I see it is time for dismissal. Take the second half of the book for next time; I will try to have Dr. H-Im-n get an earthworm to show you then. That will be all to-day.

### At an Exam. Cram in European History.

SOPH. (studying on History of England): "Say, what does 'G. O. M.' stand for?"

SOPHTER (studying on History of France): "Don't know; see if God Oll Mighty 'll do."

IF there *is* any place hotter than the second-year Physics lecture room when Charley makes his annual announcement about the perfect system employed in ventilating it, we prefer not to mention it.



"ICE is the shortest cool spell I have experienced this whole summer," mused T-mmy P-p-, "and even then it is not always what it's cracked up to be."

O Alfred Austin, you have borne  
The scoffs of every critic;  
But here's a sharper blow than those,—  
'Twill make you paralytic.  
For Arl—he of the prurient mind  
Of Charles the Second's time—  
Has said that you were made a poet  
Who never made a rhyme.  
And more did Arl- say of you  
Of tenor quite the same,  
And, making worse the very worst,  
He e'en forgot your name.

### What Inferences do You Draw from the Observation?

PROFESSOR ALL-N (describing Western country): "I have had the opportunity of seeing it from the top of a freight car."

MR. R-SS-LL (as a commotion is heard in the street): "For instance, take chlorine. What is it, Mr. W-nch-st-r?"

W-NCH-ST-R, '02 (from seat near window): "I think it's a brass band with two firemen following after."

### Some of the Men who would like to Meet the Lounger.

W. R. C-LL- -R, '00.

C. B. P-G-, '99.

A. L. H-M-LT-N (representing the Institute Committee).

E. B. C--KE (in behalf of his flowered "weskit").

THE 1902 MILITARY COMMITTEE, THE '99 CLASS-DAY OFFICERS, AND THE GHOST OF L'AVENIR.

## Naperian Logarithms.

PROFESSOR P-B-DY: "So you see that this system is easier than the other."

P. R. Z-GL-R, '00: "Is that why it's used here?"

PROFESSOR P-B-DY: "No; you have to use it."

P. R. Z-GL-R, '00: "I didn't mean why we use it, but the reason why you used it." (Professor P. looks uncomfortable, and the class,—well, the class appreciates the situation.)

PROFESSOR S-MN-R: "The new railroad in China is to run from Pekin to Hankow, through the middle of the Emperor."

## Ask Me!

We can live without W-bst-r to cipher and plot;  
We can live without Arl- and all such d-n rot;  
We can live without history as taught by W-ntw-rth;  
We can live without G-ty and his moss-covered mirth;  
We can live without Ch-rl-y, the human echinus;  
But can we, oh! can we live without L-n-s?

PROFESSOR W-LK-R (in Industrial Chemistry): "I have here, gentlemen, some face powder for you to analyze. You might as well know about it, as you may run up against it some time."

## Technology Calendar.

*April 25.*—Meeting of the M. I. T. Y. M. C. A., Room 11 Rogers, to discuss the "Frivolities of Junior Week." Susan B. Anthony Blair and Harriet Lewis will address the meeting.

*April 26.*—Walker Club Play—omit flowers.

*April 27.*—At large. *The Tech*, No. 25, disguised in new cover. The Institute is warned.

*April 28.*—More Junior Week.

*April 29.*—Members of the Y. M. C. A. will assemble at the Chapel at 8.30 P. M. Later in the evening a Harrison Avenue Slumming party will be conducted by F. I. M-rr-ck, '00.

*April 30*—Sunday, a day of prayer. All recitations will be suspended.

*May 1.*—Junior Week over. Remittances should be made in New York or Boston funds.

*May 2.*—Second edition of *TECHNIQUE*, 1900, goes to press. A few copies may still be obtained at the Co-op.



Weapons of defense used against the hordes of his fair admirers.—H-lk-n, '1901.

## Some Plays of ye Season.

Being Acted at ye Massachusetts Institute of Technologie.

- "THE MERCHANT OF VENICE."—*The Co-op.\**
- "AS YOU LIKE IT."—*The Lunch in the Lunch Room (?)*.
- "DIE WALKÜRE."—*The Co-eds.*
- "A LADY OF QUALITY."—*A. W. R-zw., '01.*
- "THE LIARS."—*L'Avenir.*
- "THE LITTLE CORPORAL."—*R. W. B-l-y, '00.*
- "THE CHRISTIAN."—*M. S-lv-rm-n, '00.*
- "THE CONQUERORS."—*1902 vs. 1901.*
- "THE SCHOOL FOR SCANDAL."—*A Senior Election.*
- "THE FORTUNE TELLER."—*H. W. T-l-r.*
- "CATHERINE."—*Miss D-x-t-r.*
- "THE LIGHTS O' LONDON."—*C. F. F. and H. -. B. C-mpb-ll.*
- "THE VILLAGE POSTMASTER."—*Mr. P-nny.*
- "CYRANO DE BERGERAC."—*"Desperate Bill."*
- "THE PRIVATE SECRETARY."—*Mr. H-ph-k-us.*
- "THE TWO ORPHANS."—*Physics and Chemistry (too d-d often.)*
- "THE SIGN OF THE CROSS."—*M. I. T. Y. M. C. A.*
- "THE DEVIL'S DEPUTY."—*Professor B-rdw-ll.*
- "HALF A KING."—*Mrs. K-ng.*
- "THE GILDED FOOL."—*Captain B-rdm-n.*
- "AN IRISH GENTLEMAN."—*H-nr-ch H-fm-n.*
- "THE HIGHWAYMAN."—*Professor S-w-n.*
- "A NIGHT OFF."—*Alb-rt M.*
- "A RUNAWAY GIRL."—*The Bird.*

\*Mr. R-ddl-r will continue to appear in the part of Shylock, in which he has made such a hit.

## Ex Officio.

1900 MAN: "Mr. Bl-chst-n, do you like to teach French better than German?"

"MR. BL-CHST-N: "Well, really, half the time we do not know what we are teaching."

## The Mail of a freshman.

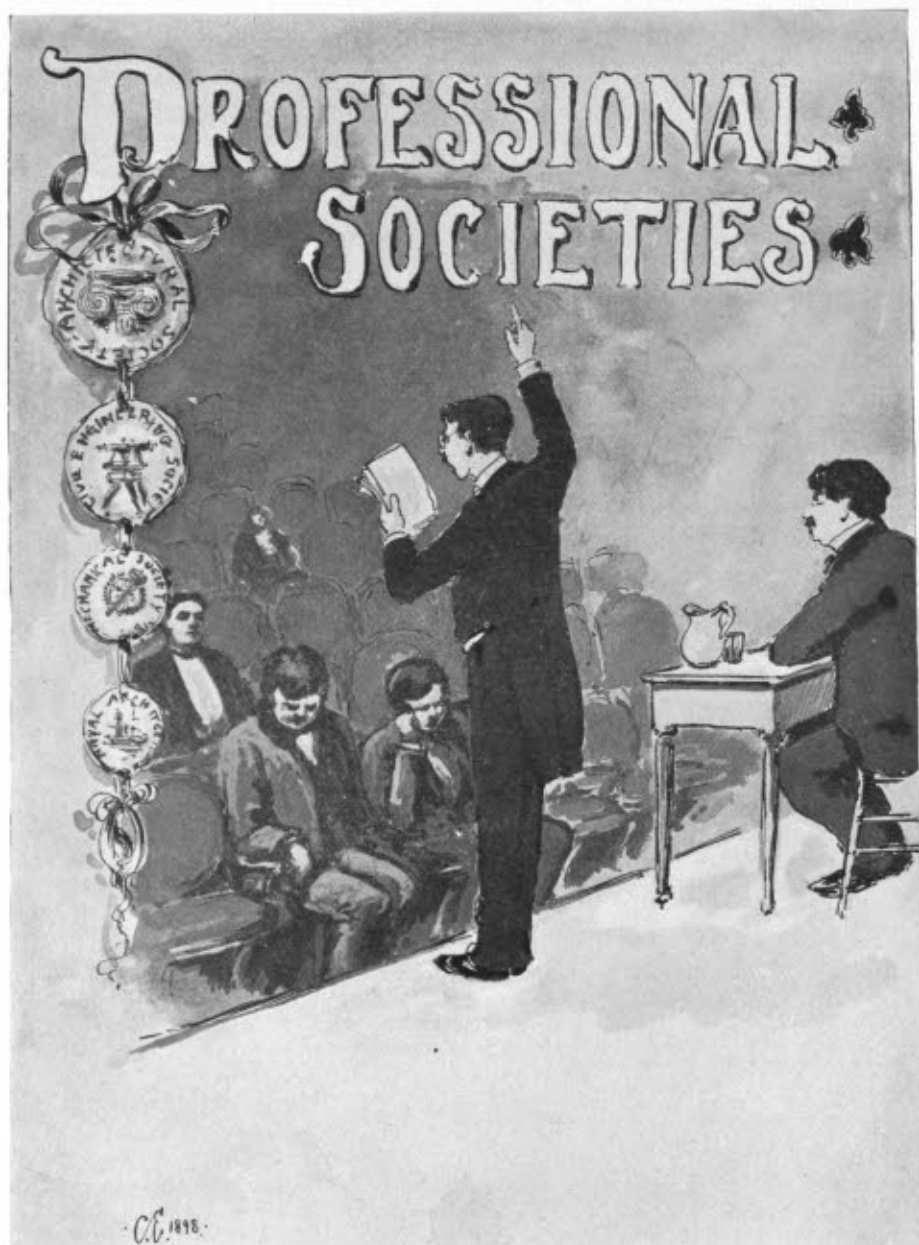
I know but little of Descrip.;  
And freely I confess  
At every lecture L-n-s gives  
I understand it less.

## He Smole a Smile.

PROFESSOR B-T-S: "M-l-l-r, T. G., correct the next sentence."

M-LL-R, '02: "'I had scarce time to catch my breath in, and be ready to meet her, as she stepped upon the deck, smiling, and making my best bow.' I think it should be, As she, smiling, stepped upon the deck."

PROFESSOR B-T-S: "I should say, and be ready to meet her, smiling; but you would make her smile."



An Enthusiastic Meeting.

## The Three Wishes of Charles Louis Henry Napoleon.



1. Cigarettes.
2. Cocktails.
3. More cocktails.

CAPTAIN J-HNS-N is to be congratulated on the excellent showing made by the '99 Baseball Team during the past season. The line-up of the team was as follows:

- p. SUCRO, 1901.
- c. WOODWARD, 1900.
- 1 b. LANE JOHNSON, '99 (Captain).
- 2 b. SHERRILL, '99.
- s. s. MACMASTER, 1900.
- 3 b. HOUNSFIELD, 1901.
- r. f. HEARNE, '99.
- l. f. GLOVER, 1900.
- c. f. CHAFFEE, 1900.

Substitutes: NOLTE, '98, infielder;  
EMERY, '98, outfielder.

—*The Stretch Extra.*

## The Australian Ballot.

R. W. B--L-Y (filling out ballot at the class election): "Where do I sign my name to this? On the back? I don't see any other place."

PROFESSOR B-T-S: "What is a periodic sentence, Mr. M-nd-nh-ll?"

MR. M-ND-NH-LL: "Well—a—"

PROFESSOR B-T-S: "Please omit the 'well.'"

MR. M-ND-NH-LL: "Yes, sir. Well, I er—er—"

PROFESSOR B-T-S: "Is that all you can say about it?"

MR. M-ND-NH-LL: "Well—er—I—"

PROFESSOR B-T-S: "It is well."

PROFESSOR B-RT-N: "What is the most accurate way of finding the height of a building by means of the aneroid barometer?"

JUNIOR: "Lower the barometer by a string, and then measure the string."

MR. ERH-RDT: "Toujours jouer! Jamais gagner!" "That means that he always lost money when he played cards."

B-SW-RTH, '02: "I understand how that was."

## A Hero of the Massachusetts Institute of Technology Debating Society.

HE: "Yes; I was an officer in the Debating Society."

SHE: "How perfectly fine! And did you ever debate?"

Studious students study some study;  
But what sort of study some students study  
Is a steady study,  
Requiring some study  
To find the study such students study.



## A Problem for Sherlock Holmes.

He left the chemical laboratory at the top floor of the Walker Building at 11.01 A. M., passed the clock on the first floor at 10.59, entered the hall of the Rogers Building at 10.58, and took his seat in Huntington Hall at 10.56 on the morning of that same day. A careful observation of the Institute clocks will furnish the clue.



## A Remarkable Likeness.

PROFESSOR P-P- (to T. N-sm-th, 1900, in Chem. Lab.): "Why, you have the same kind of fountain pen that I have."

T. N-SM-TH: "Yes, sir; and my first name is Tommy, too."

"Oh P's, sweet P's!" I said, "that nearest field  
Is shining white with fragrant immort-L's,  
And C's of other flowers 'round thee  
Do but give thee double FFragrance."

FRESHMAN CO-ED (in back row at T-mmy P-p-'s Chem. lecture): "Professor P-p-, won't you speak a 'grain' louder, please?"

It is stated on the authority of Arl- that a cemetery makes a pretty stiff golf course.

## Was Charlie X a Mason?

PROFESSOR CH-NDL-R (to class in Materials): "Some masons prefer to put their own hair into the plastering."

## Repartee at the Shops.

J. H. B-TCH-LL-R, 'oo: "Say, L-yt- -s, they ought to start a gas engine here for you to run."

O. G. L-YT- -s: "O no; they had much better start a cattle yard for your calves."

PROFESSOR N-L-S: "Now, you will please put as heading in your notebooks, Lateral Moraines. I will write it on the board." Writes,—

"L-A-T-T-E-R-A-L M-O-R-A-I-N-E-S."

## Did he pull a C?

W-bst-r W-lls' youngest boy, who resembles his dad,  
Fusses "Math." and is up in its tricks,  
Discovered that nine, when upside down,  
Would pass for the figure six.

So when asked his age by his fond papa,  
This funereal youngster said,  
Why, I'm nine when I stand on my feet like this,  
But I'm six when I stand on my head.

## Answer any Three of the following.

1. If the old edition of the P- -b-dynamics of the steam engine had one mistake in five pages, and the new edition has five mistakes in one page, calculate the per cent of errors in the next edition. What per cent do you estimate to be due to the printer? Name one other source of error.

2. "Very good, Mr. W--d, but I would that you would always do as well in our recitations. Mr. M-yh-w, may you do so too; and Mr. C-nst-nt-n- should be more constant (ine) his. Remember, Mr. H-ns-n, handsome is that handsome does."

a. Were you the author of the above?\*

b. Who is?†

3. Is Professor Osb-rn-'s method of determination by the calculus of the point of osculation based upon theory, or the result of direct experiments?

4. Is this method used in actual practice?

5. Explain briefly the method you use, and state whether it always works.

\*Candidates for advanced standing are advised to answer a in the negative.

†Failure to answer b will be regarded as equivalent to a double F (FF) for students taking German at the Institute.

# "Technique" Book Guyer.

A LITERARY PERIODICAL, DEVOTED TO REVIEWING BOOKS IN THE NASCENT STATE.

THE PUBLISHERS STRICTLY REFUSE TO READ ANY BOOK THAT HAS BEEN  
KEPT OVER THREE MONTHS.

## Co-eds and Co-ed Worship.

BY J-HN ST-N-RD BR-NS-N.

This is an able book, and shows evidences of deep research by the author. Every sentence has manifestly been well meditated upon and verified by repeated experiment. Upon the subject of Co-eds Mr. Br-ns-n is an authority on a par with such experts as Prof. H. W. T-l-r, Mr. H. W. G-rdn-r, and the *Lounger*. Upon the subject of Co-ed Worship Mr. Br-ns-n has a knowledge which is unexcelled. The fruits of years (2) of study and enthusiastic endeavor are now presented in this book. The book appeals to something other than the superficial, passing fancy; it awakens in one thoughts and feelings heretofore unfelt and unknown.

Mr. Br-ns-n has entered a clear field, and, as the only contestant, he can only excel. Young women at M. I. T. may, upon rare occasions, find consolation within the covers of "Co-eds and Co-ed Worship." We recommend the book for Freshman summer reading. Price, 19 cents.

## Freehand Letter Plates and Improved Alphabet Charts.

BY F. H. CH-RL-- AD-MS, D.D., N. I. T.

A MASSIVE work. We predict a large sale by the beginning of next October. The book is much like the several previous editions; but this is natural, as it was printed from the same plates. The alpha-

bet has been brought up to date, however, and the text considerably amplified. We note particularly one fact which we quote from the page opposite Mr. Ad-ms's picture: "Students should bear in mind that, among the letters, the largest mass goes to the F; but among the students the F. goes to the largest mass." In these few words Mr. Ad-ms has stated what it has taken many a student a full term to learn. The book is valuable in parlor, class room, and kitchen, alike. Price, without plates, \$1.59; with plates, \$1.62.

## Descriptive Geometry.

BY L-N-S F--NC-, J.J.

ON account of the sudden collapse, and subsequent decease of the reviewer, we are unable to furnish a review of this book. It may be obtained of the author for \$6; autograph copies, \$6.13.

## The Spiritans.

A New York Society Satire.

BY AH NO DATES.

To the average reader, one who does not too closely look to the unity of the sentence, the length of the paragraph, or the emphasis of the chapter, this book may possibly prove one of interest. The coherence of the list of contents and alphabetical index excels that of any other part of the book. In the story itself we see predominant the pen of Mr. Dates;

## "Technique" Book Guyer.

but the argumentative disposition shown by the writer in his preceding translations is lacking here, and there is throughout a rather too-pronounced journalistic flavor. The editor's chair was seldom successfully placed before the author's table, and in this case the mistake is sadly prominent to the critical eye. For those of our contemporary reviews that have suggested that the author of "The Spuritans" is too inexperienced, we can only call attention to the various editions of Carlton's poems edited by him, and suggest that the trouble lies at the other end of the twine. Mr. Dates, we fear, is becoming too old to write successfully.

### freshman Decomposition.

BY MISTER P--RS-N, A.B. (at the bat.)

THIS book is one of the favorites of the year. It is said that within the last fourteen months over a hundred copies have been sold; and, to our definite knowledge, there are as many now on sale at MacLachlan's secondhand store. As a kindergarten trainer, the book is only in spots inappropriate. It is a pleasing sight, particularly to Arl- and to Mr. P--rs-n, to

see the delighted Freshmen gamboling over the Walker Building lawn to the Co-op. store, where they may obtain copies. The book's illustrations are particularly meritorious. Mention should be made, quietly, of the introduction and preface. The book is especially recommended to the Faculty; but forcible measures on their part are deplored in advance. Price, \$5; discount, 80 per cent.

### Business Beginnings and Commercial Courtesy.

BY ALB-RT M. KN-GHT, Dr.

THIS book is absurd from the face of its title to the lithograph of the author on the outside of the back cover. As a humorous work it is, in places, acceptable; but on too many pages the cynicism degenerates into a discourtesy so manifestly worthless, that upon the reader the effect is one of positive repulsion. It is plain that Mr. Kn-ght does not understand his subject.

The book is a scraggly little volume of only twenty-seven pages, with no index, and may be obtained at Riddler's at a cost of \$3.76 net, with no extra cost for twine or wrapping paper, if bought before the Christmas holidays.



### L-yt--s, 1900, or the Infant Prodigy.

The above diagram is self-explanatory, and shows the most gigantic intellect in the Institute. This cut will be used in next year's edition of Thermo to illustrate head end expansion.

### We Were All Young Once.

PROFESSOR CR-SS (who has just projected the picture of a bird on the screen, in response to whistles and calls by irresponsible members of the Class): "No, gentlemen; it isn't that sort of a bird at all." (Cheers from an appreciative audience.)

### The Unkind Things We Say.

PROFESSOR B-RDW-LL (to class in Chem. Lab.): "If the mouth of your large bottle will not go over your porcelain dish, get one from Mrs. St-ms-n, whose mouth is large enough."

### "Justy" Ought to Know.

MR. ERH-RDT: "You may have emotions of the heart (sigh from back of room), and then the verb will be put in the subjunctive."

PROFESSOR D-PP-LD: "What is the meaning of that word 'unrecht?' What is the opposite of the word 'right?' You may think it is 'left,' but it's 'wrong.'"

### Meeting of the M. I. T. Y. M. C. A.

At the last meeting of the Y. M. C. A., Mr. E. B. C-k-, 'or, gave a lecture on "Down With Drink," illustrated by a Manhattan Cocktail. Prayer by A. E. L-m-b-rd, '02, followed. Mr. L-mb-rd gave as an encore selections from the *NEW YORK Voice*. In recognition of his efforts in behalf of the Association he was presented with a bottle of Lydia E. Pinkham's Vegetable Compound. After a few touching remarks by Mr. Ing-lls, '00, the hymn "A Hot Time," was sung, and the meeting dismissed with a parting benediction — *The Stretch Extra*.

H. R. H-NT, '00: "Say, G-bbs, what are those streaks on your face?"

G. C. G-BBS (cultivating a beard): "They're shadows."

H. R. H-NT: "How do you make that out?"

G. C. G-BBS: "Why, coming events cast their shadow before them."

### The Reason Why.

1ST TECH. MAN: "Arl- doesn't bore me at all."

2D TECH. MAN: "Impossible! Who are you?"

1ST TECH. MAN: "I'm a Junior."

### Not Bad for Thermo.

PROFESSOR P-B-DY: "Mr. W-rn-r, will you deduce the relation existing between the latent heat of expansion and the specific heat at constant volume?"

W-RN-R (Course XIII.): "I don't believe I know it."

PROFESSOR P-B-DY: "Why, you know just as much about it as anybody else in the class."

### Some Do; Some Don't.

PROFESSOR F-NCK (after erasing a number of lines): "Now, gentlemen, you will see three lines: one back of the plane, one in front, and one invisible."

"Mr. L. Bernard's sections will recite to Mr. C. Bernard at *its* regular hours."—*H. W. Tyler.*

(In the opinion of a Course IX. lawyer, Mr. C. H. L. N. would be justified in calling down Mr. H. W. T., or in bringing suit for libel.)

### Extract from a '01 Exam. Paper.

"1564 was the date of Shakespeare's berth."

One day in Trigonometry  
I made a bad mistook;  
I used a method not put down  
In W-lls' little book.

Though all the rest of fifteen weeks  
I did exceeding well,  
The mark that W-bst-r gave to me  
Was way below an L.

—Taken from the diary of B. W. B. Gr-n-, '00.

### An Expert Opinion from Naval Constructor M--dy.

G. B. M--DY, 1900: "How would you go to work to find the moment of inertia of the earth?"

MR. P-SS-N-: "That's rather a hard question to answer. I should first try to derive an equation representing the decrease of the earth's density toward its outer surface."

M--DY (interrupting): "O, I don't believe you could do that. Do you?"



Drawing instruments used by R-ssm-ssl-r, 1900

STATE CLEARLY WHAT IS DESIRED,  
AND GIVE THANKS FOR IT.

Boston, Mass 1898/9

To the Faculty:

Dear Gentlemen: and Mr. Tyler:

May I respectfully petition  
please to be given my diploma  
at the end of this year.  
I know I am a Freshman, but  
I will study hard at home  
and promise to try to do all  
the studies. My reason is  
that my mother wants me  
to come home but my pa  
says for me to have a  
diploma. And if I don't ob-  
lige both I am afraid there will  
be a divorce case and then I  
will be an orphan.

Respectfully yours, truly

Elsie Fauntleroy J. Diot

Of Course Naught.

Faunce

Instructor\*

My ~~the~~ year.  
I don't know  
what you mean, there!

\*To be specified whenever the petition relates to particular courses.

Which Tuesday Mr. Tyler?

Petitions should be handed in before 1 P.M. on Tuesday.

Do not fold this paper.

I wasn't going to

### A Reminiscence of Freshman Chemistry.

R. W. B- -L-Y, '99-'00: "— — — Professor P-p-, I don't quite understand the manufacture of steam by the ammonia process."

NOTE.—We have doubts whether Mr. B. will ever cut much ice with his knowledge of Chemistry.

### We Don't, Either.

CORPORAL GR- -L-Y, '02: "If there is anything about this drill that any of you don't understand, ask me about it."

F. H. H-NT-R, '02: "I don't understand why the order 'At ease' isn't given oftener."

L- -n is Ch-rl- -'s brother,  
A fact which speaks for itself.  
He was absent one day  
From his classes *français*,  
And now he's laid on the shelf.

ELDERLY LADY: "So you are studying Architecture. How far have you got?"

F. H. H-NT-R, '02: "I've only got as far as projections."

ELDERLY LADY: "Why, that is doing splendidly for three months. I supposed that projections would be the last thing you would study. I have been told that towers and bay windows are the hardest parts of a house to plan."

### "Children under five, Three Cents."

CONDUCTOR: "Fare, please!"

W. L. R-PP, '00 (handing him a nickel): "One fare."

O what's jolly, janitor John?  
Surely you'll never guess wrong.  
By our common consent  
Of "applied heat and vent,"  
*Professor* is janitor John.

### After the Pol. Econ. Examination.

B-CKW-TH, '00: "Say, B- -km-n, what are 'corn rents'?"

B- -KM-N: "Why, L- -n B-rn-rd said something once about they're being slits in your shoes, so that is what I put down."

STUDENT: "I lost my French Grammar."

MR. ERH-RDT: "You must endeavor not to do that again."

### "What did He Take me for?"

"PROFESSOR B-RTL-TT (to Freshman named Mather): "Let me see, are you any relation to Cotton Mather?"

M-TH-R (blandly): "Why, of course. He's my father."

"Ah! tenez, c'est a'vous prendre en grippe."

McN-UGHT-N, '02: "Hold on! you've got the grippe."

### Gummi-hals.

It was my childish ignorance,  
But now 'tis little joy,  
To see an S.B. farther off  
Than when I was a boy.

R. W. B.-L-Y, '99, 1900, 1901, 1902.

### The Real Thing.

C. F. F. C-MPB-LL, '00 (translating): "He arose, and pressed her to his bosom."

PROFESSOR V-G-L: "Can't you put that in simpler language, Mr. C-mpb-ll?"

C-MPB-LL: "He got up and hugged her."



### Tres Sec.

Some one said "Well." Some one else said "Well." Then somebody got off the old saw, "How many wells make a river?"

"I don't know," said the Freshman; "but if they are all as dry as the W-lls in 21 Rogers it would take a good many."

H- -RN-, '99 (translating): "I have languished long enough; longer than I ought without doing anything."

PROFESSOR D-PP-LD: "Yes."

### The Prayer of the Course VI. Man.

"O L-ws, dismiss us with thy blessing."

M-NTE SM-TH, '99 (in German recitation with Bl-cky): "A horse! a horse! my kingdom for a horse!"

### from Professor B-t-s's Lectures to Sophomores.

The first book published in this country was "The Bay State Psalm Book," and that was published in England in 1640.

THE Lounger in the Drawing Room.—O. G. L-yt-s.

### Scientific?

B-LC-M, '00 (translating in scientific German): "In Stevenson's first steam engine the piston rod ran through the boiler, and then up through the smokestack."

L- -N B-RN-RD (to B-rks, '00, trying to work a bluff to get out of second year French): "Ah, Monsieur, you have a scheme, is it?"

PROFESSOR CL-FF-RD (in third-year Theoret.): "When one coulomb is let down through the difference of potential of one volt, what is the equivalent in watts?"

H-MM-ND, '00: "Don't know."

PROFESSOR CL-FF-RD: "That's exactly right. We are unable to determine from the data given. I asked you because I knew you would answer correctly."

### The force of Applied.

"AND now," continued Professor S-nd-r-ck-r (writing on board) " $W=Mg$ ,  $w=mg$ ,  $wd V=mgd V$ , and finally  $=g-d-M$ ."

"I think so, too," murmured sweet-faced Fr-nk R-l-y; and R-m-r, '00, happening to be present, immediately signed him for a series of heart-to-heart talks before the Y. M. C. A.

ARL- B-T-S: "One courtier in Elizabeth's time had £500,000 worth of diamonds. Multiply by five to get the value in dollars. But then money was more valuable; it was worth five times as much as now. So you must multiply by ten, then, to —. Are you laughing because I have not given you time enough to figure?"

### Such a Quickness, eh?

PROFESSOR V-G-L: "Gentlemen, you should be sure always to keep on tap whatever you acquire. (Great applause. Professor V. smiling.) I am glad to see that you catch the froth of my statement."

PROFESSOR P- -B-DY: "Mr. St-v-ns, will you please deduce the formula for latent heat of expansion?"

R. W. ST-BB-NS (misunderstanding the name): "Not prepared, sir!"

PROFESSOR P- -B-DY: "All right. I'll make a note of it, Mr. St-bb-ns."

### Modified Earthenware.

PROFESSOR H-FM-N: "We use a furnace, the bottom of which is made of clean underwear."

JUNIOR: "Good stunt, that—putting a male Bird in the "Cage."

A. H. W--DW-RD, '00:

"How chaste,  
chased,  
and Ch-s-d."

## A Half-hour Talk with Prof. D. R. D-w-y.

"DR. D-W-Y, what is your attitude in regard to colonial expansion?"

"H'm. Well, er—er, there are—er—there may be—er—may be there are—two different points of view to that question. Unless one can look fairly from both alike, it is difficult to obtain an opinion, er—er, meriting even the least consideration. There are influences on one side, of course, which er—er—are offset by influences which—er—are, of course, on the other side. H'm. . . . There are, for example, industries; some prosperous, some decaying, some not yet at machurity. These deserve thoughtful consideration. . . . There are also inhabitants in both this country and those islands; some prosperous, some decaying, some not yet at machurity. Unfortunately, we must not omit these from our calculations. . . . Now, taking everything in the long run,—as it is necessary to do in such cases,—we find that our conclusion can be reached most accurately by the construction of a curve diagram. One moment, please. . . . H'm; units of industry here, . . . and units of inhabitants *here*, . . . and now a curve would go up like this, and. . . . H'm. . . . Well—er—er—we see that the curve would come out a negative quantity. But that is not the fault of the diagram. . . . We have neglected to take into consideration the element of *human nature*. And that is so oncertain, that no definite answer to the problem can be given. . . . I will refrain, then, from stating any definite views upon the subject of territorial expansion, but I will refer you to a series of very able articles on that subject in the current magazines for this month. They are on that table, down there,—the last on the left,—that's right. Next!"

## A Half Hour in Valve Gears.

By the way, if you ever have occasion to use this method, it is not applicable with the ordinary linkage. After all, it doesn't work very well, but you ought to get it pretty nearly right, and you ordinarily do. Now you will note that cut-off on this model is—well, what is it? (Model fails to give desired result.) Well, no; I think I'll have to begin all over again with this; something is wrong. (Model is readjusted, with hardly perceptible improvement.) There, if you don't like that you have got to make your valve over. Now the open rods become cross rods, and there you are all mixed up again; and I may as well say right here, that if there's anything you don't understand, you'd better ask now, because the chances are I'll ask you to put it on the board in five minutes. Have I ever spoken to this class about handbooks?



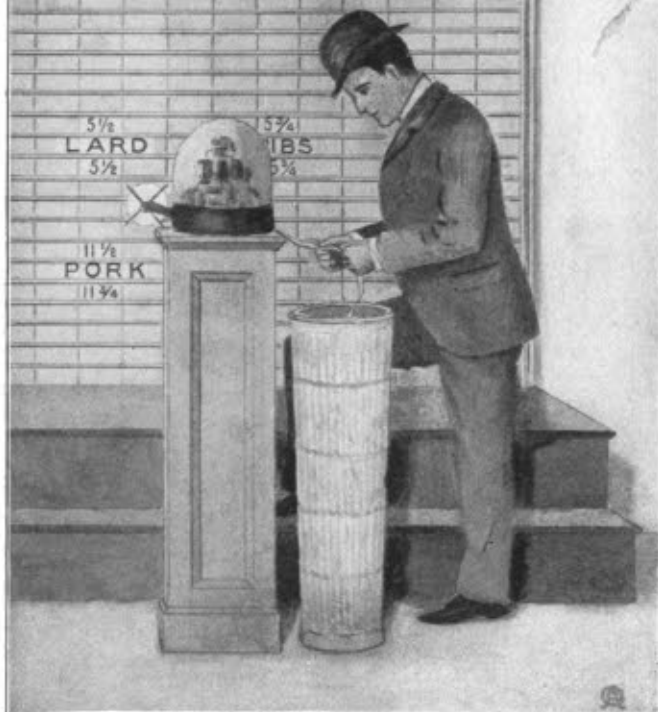
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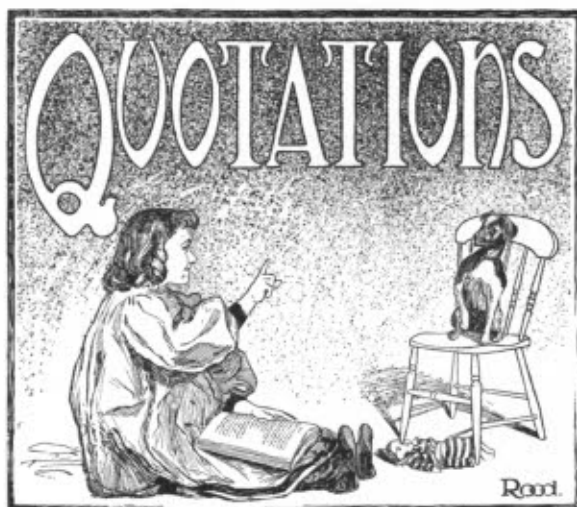
105 194 1/2 87 1/4	35 1/2 36 1/2 37 1/2	31 1/2 27
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3/4 96 1/4 78	36 1/2 38 1/2	31 1/2 28

5 1/2  
**LARD**  
5 1/2

5 1/2  
**IBS**  
5 1/2

11 1/2  
**PORK**  
11 1/4





**"When found make a note of it."**

"Devoted to us with all the intensity of his noble mind, and with that perfect sacrifice of self which in all matters, great or trifling, has always been his characteristic."—*Ex-President Walker.*

"He is a scholar, and a ripe and good one;  
Exceeding wise, fair-spoken, and persuading;  
Lofty and sour to them that love him not;  
But to those men that seek him, sweet as summer."

—*President Crafts.*

"Is it possible I could have steeled my purse against him?"

—*Junior Class Debt Collector.*

"I am not without suspicion that I have an undeveloped faculty of music within me."

—*H-s-s-y, '00.*

"Tough and devilish sly."—*S. P. Brown, '00.*

"It was big and swelling, but you could not be sure that it was hollow."

—*G. C. Winst-w's ('99) Head*

"And when I retired to my pillow his whimsical image still stuck by me in a manner as to threaten sleep."—*Senior in Applied.*

"Then we talked—oh, how we talked!"  
 —*Representatives of the Y. M. C. A.*  
*at the Class Dinners.*



"How long, O Lord, how long!"—*R. Pl-mb, '01.*

"Words, words, words."—*Professor S-dgw-ck.*

"A glorious, vaulted dome on high,  
 Where partings never come and no more 'dye.'"  
 —*Professor Cr-ss' Head.*

"Since I saw you last there is a change upon you."—*Mr. Dr-sk.*

"No ear can hear, no tongue can tell,  
 The tortures of that inward hell!"—*Chem. Lab.*

"Tis remarkable that they  
 Talk most who have the least to say."—*Professor W--dbr-dge.*

"I start as from some dreadful dream,  
 And often ask myself if yet awake."—*Alb-rt M. Kn-ght.*

"There is none but he whose being I do fear;  
 And under him my genius is rebuked."—*H. W. T.*

"I am a gentleman of blood and breeding."—*Mr. H-sk-us.*

"A sweeter and a lovelier gentleman,  
 Framed in the prodigality of nature,  
 The spacious world cannot again afford."—*Professor R-nkl.*

"What's the newest grief?  
Each minute teems a new one."—*At Tech.*

"Powder thy radiant hair."—*Pr-st, '00.*

"So extraordinarily earnest and pretty."—*C-ust-nt-n-, '00.*

"Next stood Hypocrisy, with holy leer,  
Soft smiling and demurely looking down,  
But hid the dagger underneath the gown."—*Professor P-p.*

"An idler is a watch that wants both hands;  
As useless if it goes as if it stands."—*Professor L-wr-nc.*

"Thee shall each ale-house, thee each gill-house mourn;  
And answering gin-shops sourer sighs return."  
—*Mr. L-n B-rn-rd's departure.*

"And he was so modest, too."—*N. L. D-nf-rth, '01.*

"He has the power to render us happy or unhappy."—*Professor S-nd-r-ck-r.*



"He is a tremendous fellow."  
—*W. W. St-n-, '00.*

"Dear papa and mamma, I am very sorry to leave you both," etc.—*Freshman.*

"This is my birthday. Many happy returns of the day to you and me."  
—*1900 Technique.*

"He don't teach anything in particular, but his deportment is beautiful."  
—*Mr. R-b-us-n.*

"He's made up of simplicity."—*G. A. H-ll*, '00.

"Be as like your sister as you can."—*Some one who has a good-looking sister*.

"Seen a good deal? Why, of course he has."—*D-rt*, '00.

"He has a beautiful smile."—*Professor B-rtl-tt*.

"I can be obstinate enough with men, if need be, but women may twist me 'round their little fingers at pleasure."—*B. A. Sh-w*, 1900.

"She has a pretty face,—a very pretty face (?)."—*The Co-ed*.

"A countenance of most uncommon beauty, though shaded by a cloud of sadness."  
—*Gr-ff*, 1900.

"Was there ever such a man with such a flow of eloquence?"—*Professor C-rr- -r*.

"Constancy in love is a good thing."—*Gl-v-r*, 1900.

"The common welfare was my business."—*D-v-np-rt*, Ex-1900.

"Such a fresh, blooming, chubby, rosy, cozy, modest little bud."—*C. H. L. N. B.*

"A manner so plain, grave, unaffected and sincere."—*Professor D-w-y*.

"We are not rich, certainly; but we might be much poorer."—*The Institute*.

"Such a little Venus,—such a dem'd enchanting, bewitching, engrossing, captivating, little Venus."  
—*Elsie*.



"When I was yet a child, no childish play to me was pleasing; all my mind was set serious to learn and know."—*Add-cks*, '99.

"The sound  
Of instruments that made melodious chime was heard."  
—*Home Concert*.

"With gesture and with look inspired."—*P. C. P-rs-n*, '01, in *Debating Society*.

"There he stood, and shouted loudly."—*H-rr- T-l-r* in *Freshman-Sophomore Election Rush*.

"Such as once in hell was sung."—*Selection by '99 Quartette at Class Dinner*.

"A vulgar name for the Devil."—*L-n-s F*.

"They shall abound as formerly."—*Flunks*.

"This top, proud fellow whom from the flow of gall I name not."—*K. L-ck-tt*, '02.

"It will help me nothing to plead mine innocence."—*Please see me at once, etc.*

"Have you a precedent?"—*H-m-lt-n*, '99, in *Institute Committee*.



"Let there be letters writ to every shire."  
—*Reports were mailed Feb. 4th*

"Better late than never."—*Professor P-rs-n*.

"He is not dead, but sleepeth."—*The Bursar*.

"And this man out of prison?"—*F. R. C. B.-d, '01.*

"I hear of none but the new proclamation that's clapp'd upon the court gate."

—*Drill will begin on November —*



"What a loss our ladies will have of these trim vanities!"

—*Br-sh, '01, H-ll, '00, Br-ns-n, '01.*

"They are a sweet society of fair ones."—*The Cleofan.*

"I fear too many curses on their heads that were the authors."—*Of summer reading.*

"Dangers, doubts, wringing of the conscience, fears and despairs."—*Semies.*

"This bold, bad man."—*P-tch, '99.*

"All men's honors lie like one lump before him, to be fashioned into what pitch he please."—*The Lounger.*

"That some by stenography drew the plot."—*Phys. Lab.*

"I come no more to make you laugh."—*Professor L-nz-.*

"The subject will deserve it."—*Heat.*

"Good morrow, and well met. How have ye done since last we saw in France?"  
—*Summer School of Architecture.*

"When they 'lighted, how they clung in their embracement."—*Cane Rush.*

"And to-morrow."—*E. B. C-k, '01.*

(*And next week after that apply to the Assistant Business Manager.*)

"This man, so complete an ——."—*H. L. Mrs.*, '99.

"Take good heed you charge not in your spleen a noble person."

—*Editors of 1901 Technique.*

"A fine volley of words, gentlemen, and quickly shot off."—*Physics Lecture.*

"Give him an inch, he'll take an L."—*The Surveyor.*

"I am called away by particular business, but I leave my character behind me."

—*Opp-nh-m*, '00.

"Theirs not to make reply,  
Theirs not to reason why,  
Theirs but to do and die."

—*Song of the Freshman in Chem. Lab.*

"I never write as funny as I can."—*Carlo Bites.*

(For which we are truly thankful.)

"Tongued like the night crow."—*Professor L-ws.*



"Such strains ne'er warble in the linnet's throat."—*The Glee Club.*

"I will go wash, and when my face is fair you shall perceive whether I blush or no."

*Mr. C-r-t-r.*

"I cannot tell what the dickens his name is."—*Tomokichi Hirokawa.*

". . . Yet not ashamed to fail."—*J-ff-rds*, '01.

"Better to reign in hell than serve in heaven."—*Professor B-rdw-ll.*

"Cherub whose footfalls tinkled on the tufted floor."—*L-ws*, '01.

"My mustachios form a *chevaux-de-frise* around my mouth, protecting my coveted lips from the attacks of the fair."—*W. C. Chff*-, '00.

"What a spendthrift is he of his tongue!"—*V-rm-t*-, '01.

"Merely this, and nothing more."—*R. W. B-t-y*, '00.

"Would that others were such a wit as I."—*C-ldw-ll*, '99.

"The insane root that takes the reason prisoner."

$$a \frac{P}{\sqrt{T}} \sqrt{\frac{rg}{R}} \left\{ \frac{K}{K-1} \left[ \left( \frac{P_2}{P_1} \right)^{\frac{2}{K}} \left( \frac{P_2}{P_1} \right)^{\frac{K+1}{K}} \right] \right\}$$

"To be trusted is a greater compliment than to be loved."—*At Ridler's*.

"He thinketh himself marvelously clever."—*C-mpb-ll*, '00.

"Mouths, without hands, maintained at vast expense."—*Class of* '01.

"His beauty draws us with a single hair."—*Professor Cr-ss*.

"Birds of a feather go with themselves."—*The Brothers B-rn-rd*.

"Distance lends enchantment to the view."—*Professor D-spr-d-ll*.

"Thy hair so bristles with unmanly fears,  
As fields of corn that rise in bearded ears."

—*H. W. G-ldthw-t*-, '99.

"If she undervalue me,  
What care I how fair she be."—*Mr. Erh-rdt*.

"Absence makes the heart grow fonder."—*M. I. T. Student*.

"I never knew so young a body with so old a head."—*W. Wh-fpl*-, '01.

"All the great men are dying, and I don't feel very well myself."—*M. W. H-ll*, '00.

"An inviting eye, and yet, methinks, right modest."—*Miss D-xt-r*.

## Poor Abe.

### I.



BE was a woolly Westerner  
When he came to Boston town.  
He thought the first term easy;  
"Oh, I've passed," said he, "hands down!"

### II.

But a letter mailed to San Francisco  
Contained six flunks, with one from Dr-sk.

### III.

So when he found just how things were,  
He behaved like one bereft;  
He jumped into the Physics Lab.,  
And smashed things right and left.

### IV.

He replied to the faculty's questions,  
"I was searching after truth."  
And he thought he'd done the Bursar,  
But the Bursar dunned the youth.



# Instructing Staff for the Year 1898-1899.

SUBJECTS.	Professors.	Associate Professors.	Assistant Professors.	Instructors.	Assistants.	Total.	Lecturers.	Total.
ARCHITECTURE . . . . .	2	1	2	1	1	7	5	12
BIOLOGY, ZOOLOGY, ETC. . . . .	1	0	2	3	2	8	2	10
CHEMISTRY . . . . .	1	2	2	13	6	24	7	31
CIVIL ENGINEERING . . . . .	4	0	1	3	3	11	1	12
DRAWING AND DESCRIPTIVE GEOMETRY . . . . .	0	1	0	4	1	6	0	6
ENGLISH, HISTORY, AND POLITICAL SCIENCE . . . . .	2	1	2	2	1	8	0	8
LANGUAGE . . . . .	1	1	1	4	0	7	0	7
MATHEMATICS . . . . .	4	1	3	3	0	11	0	11
MECHANIC ARTS . . . . .	0	0	0	3	3	6	0	6
MECHANICAL DRAWING AND APPLIED MECHANICS . . . . .	2	0	3	8	4	17	0	17
MILITARY TACTICS . . . . .	0	0	0	1	0	1	0	1
MINERALOGY, GEOLOGY, AND GEOGRAPHY . . . . .	1	0	2	0	1	4	0	4
MINING ENGINEERING AND METALLURGY . . . . .	2	0	1	0	2	5	2	7
NAVAL ARCHITECTURE . . . . .	1	0	0	1	0	2	0	2
PHYSICS AND ELECTRICAL ENGINEERING . . . . .	2	0	4	7	3	16	13	29
GYMNASTICS . . . . .	0	0	0	1	0	1	0	1
Total . . . . .	23	7	23	54	27	134	30	164

# Summary of Graduates by Courses.

1868-1898.

YEAR.	Civil Engineering.	Mechanical Engineering.	Mining Engineering.	Architecture.	Chemistry.	Electrical Engineering.	Natural History or Biology.	Physics.	General Course.	Chemical Engineering.	Sanitary Engineering.	Geology.	Naval Architecture.	Total.
	Course I.	II.	III.	IV.	V.	VI.	VII.	VIII.	IX.	X.	XI.	XII.	XIII.	
1868	6	1	6	0	0	0	0	0	1	0	0	0	0	14
1869	2	2	0	0	1	0	0	0	0	0	0	0	0	5
1870	4	2	2	0	1	0	0	0	1	0	0	0	0	10
1871	8	2	5	0	2	0	0	0	0	0	0	0	0	17
1872	3	1	5	0	3	0	0	0	0	0	0	0	0	12
1873	12	2	3	1	7	0	0	0	1	0	0	0	0	26
1874	10	4	1	1	0	0	0	0	2	0	0	0	0	18
1875	10	7	6	1	1	0	0	1	2	0	0	0	0	28
1876	12	8	7	0	5	0	2	3	4	0	0	0	0	42*
1877	12	6	8	4	2	0	0	0	0	0	0	0	0	32
1878	8	2	2	3	3	0	0	0	1	0	0	0	0	19
1879	6	8	3	1	3	0	1	1	0	0	0	0	0	23
1880	3	0	3	0	1	0	0	0	1	0	0	0	0	8
1881	3	5	6	3	8	0	1	0	2	0	0	0	0	28
1882	2	5	5	3	6	0	1	1	1	0	0	0	0	24
1883	3	7	5	1	3	0	0	0	0	0	0	0	0	19
1884	5	6	13	0	12	0	0	0	0	0	0	0	0	36
1885	4	6	8	2	4	2	0	0	1	0	0	0	0	27
1886	9	23	7	1	7	10	1	0	1	0	0	0	0	59
1887	10	17	8	1	9	8	1	1	3	0	0	0	0	58
1888	11	25	4	5	10	17	3	11	1	0	0	0	0	77
1889	15	23	5	3	8	17	1	1	2	0	0	0	0	75
1890	25	27	3	5	13	18	3	2	6	0	0	0	0	102
1891	18	26	4	6	11	23	3	3	1	7	0	1	0	103
1892	22	26	4	13	7	36	6	1	7	4	6	1	0	133
1893	25	30	5	2	8	41	2	0	6	8	0	2	0	129
1894	21	31	4	14	11	33	1	3	5	12	3	0	0	138
1895	25	30	3	15	14	33	0	2	4	11	4	0	5	144†
1896	25	34	10	24	16	48	3	3	7	7	4	3	5	188†
1897	25	40	7	16	20	33	2	3	7	12	4	1	9	179
1898	32	41	7	29	23	33	3	4	6	9	3	0	7	197
Total,	376	447	159	164	219	352	34	40	73	70	24	8	26	1,971

Deduct names counted twice . . . . . 11  
 Net total . . . . . 1,960

\* One graduate of Course of Metallurgy in 1876.

† Deducting names counted twice.

## Distribution of Students.

### Foreign Countries.

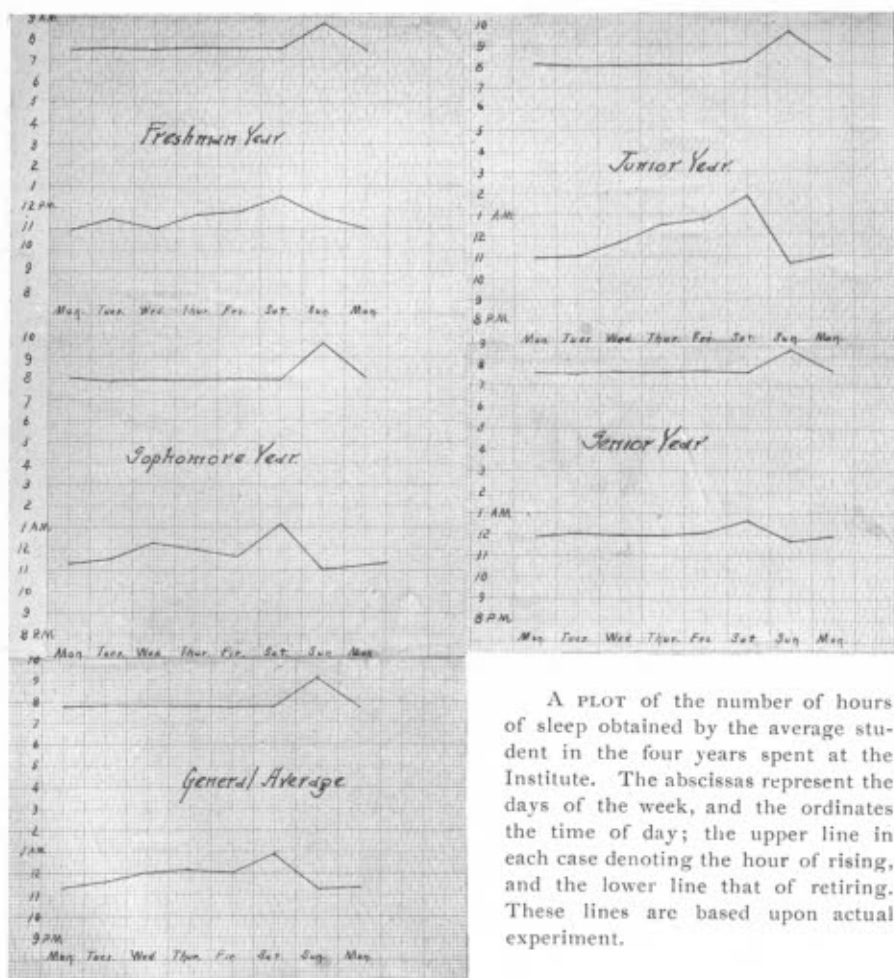
Cape Breton . . . . .	1	France . . . . .	1	New Brunswick . . . . .	3
Cuba . . . . .	1	Germany . . . . .	1	Nova Scotia . . . . .	2
Denmark . . . . .	1	Japan . . . . .	1	Canada . . . . .	1
Dutch Guiana . . . . .	1	Mexico . . . . .	7	Turkey . . . . .	3
England . . . . .	4				
Total number of foreign countries represented . . . . .					13
Total number of students from same . . . . .					27
United States . . . . .					1,144
Foreign countries . . . . .					27
Total . . . . .					1,171

### United States.

Alabama . . . . .	1	Louisiana . . . . .	1	Ohio . . . . .	23
California . . . . .	11	Maine . . . . .	19	Oregon . . . . .	3
Colorado . . . . .	8	Maryland . . . . .	8	Pennsylvania . . . . .	34
Connecticut . . . . .	26	Massachusetts . . . . .	719	Rhode Island . . . . .	23
Delaware . . . . .	3	Michigan . . . . .	9	South Carolina . . . . .	1
Dist. of Columbia . . . . .	8	Minnesota . . . . .	11	Tennessee . . . . .	3
Georgia . . . . .	4	Missouri . . . . .	10	Texas . . . . .	1
Hawaiian Islands . . . . .	1	Montana . . . . .	2	Utah . . . . .	5
Idaho . . . . .	1	Nebraska . . . . .	1	Vermont . . . . .	12
Illinois . . . . .	50	New Hampshire . . . . .	25	Virginia . . . . .	3
Indiana . . . . .	3	New Jersey . . . . .	13	Washington . . . . .	7
Iowa . . . . .	7	New York . . . . .	68	Wisconsin . . . . .	8
Kentucky . . . . .	10	North Carolina . . . . .	2		

Total number of States represented . . . . .	38
Total number of students from same . . . . .	1,144

## Do We Oversleep?



A PLOT of the number of hours of sleep obtained by the average student in the four years spent at the Institute. The abscissas represent the days of the week, and the ordinates the time of day; the upper line in each case denoting the hour of rising, and the lower line that of retiring. These lines are based upon actual experiment.

# College Statistics.

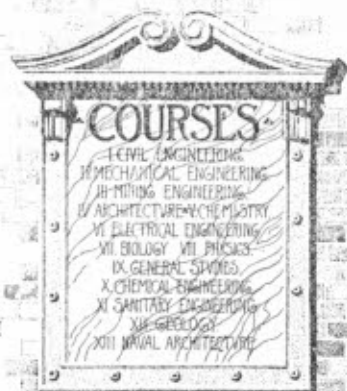
Name.	Location.	Founded.	President.	Stad'ts.	Instr's.	Colors.	Annual.
ALBION . . . . .	Albion, Mich.	1861	Rev. John P. Ashley, Ph.D.	358	32	Pink and Green.	<i>Varsity.</i>
AMHERST . . . . .	Amherst, Mass.	1821	Merrill Edwards Gates.	372	36	Purple and White.	<i>The Ohio.</i>
ARMOUR INSTITUTE . . . . .	Chicago, Ill.	1823	F. W. Gunsaulus, D.D.	1100	60	Yellow and Black.	<i>The Integral.</i>
ATLANTA UNIVERSITY . . . . .	Atlanta, Ga.	1869	Rev. Horace Bumstead, D.D.	300	24	Cardinal Red and Steel Gray.	<i>The Mortarboard.</i>
BARNARD . . . . .	New York, N. Y.	1889	Emily James Smith, A.B., Dean.	230	230	Blue and White.	<i>The Bug.</i>
BOSTON UNIVERSITY . . . . .	Boston, Mass.	1863	William Fairfield Warren, L.L.D.	1327	130	Scarlet and White.	<i>The Hub.</i>
BOWDOIN . . . . .	Brunswick, Me.	1794	William De Witt Hyde, D.D.	360	35	White.	<i>Liber Brunensis.</i>
BROWN UNIVERSITY . . . . .	Providence, R. I.	1764	Rev. E. B. Andrews, D.D., L.L.D.	860	80	Brown and White.	<i>The Lantern.</i>
BYRN MAWR . . . . .	Bryn Mawr, Pa.	1880	M. Carey Thomas, Ph.D., L.L.D.	312	41	Yellow and White.	<i>The Buckle.</i>
BUCHTEL . . . . .	Akron, Ohio.	1871	Rev. Ira A. Priest.	230	19	Navy Blue and Old Gold.	<i>Colby Oracle.</i>
COLBY UNIVERSITY . . . . .	Waterville, Me.	1820	Rev. Nathaniel Butler, D.D.	211	19	Gray.	<i>Salmagundi.</i>
COLGATE UNIVERSITY . . . . .	Hamilton, N. Y.	1820	* William Henry Crawshaw, A.M.	146	19	Orange and Maroon.	<i>The Collegian.</i>
COLLEGE OF WILLIAM AND MARY . . . . .	Williamsburg, Va.	1693	Lyon G. Tyler, M.A., L.L.D.	161	13	Orange and White.	<i>The Columbian.</i>
COLORADO COLLEGE . . . . .	Colorado Springs, Colo.	1874	William F. Slocum, Jr., L.L.D.	3072	302	Light Blue and White.	<i>The Cornelian.</i>
COLUMBIA UNIVERSITY . . . . .	New York, N. Y.	1754	Seth Low, L.L.D.	3038	281	Carmelian and White.	<i>Agis.</i>
CORNELL UNIVERSITY . . . . .	Ithaca, N. Y.	1865	Jacob Gould Schurman, D.Sc., L.L.D.	631	52	Dark Green.	<i>Polladium.</i>
DARTMOUTH . . . . .	Hanover, N. H.	1769	William Jewett Tucker, D.D., L.L.D.	756	35	Old Gold.	<i>Microcosm.</i>
DE PAUW UNIVERSITY . . . . .	Greencastle, Ind.	1837	Rev. Hillary A. Gobin, D.D.	435	25	Red and White.	<i>Drury Mirror.</i>
DICKINSON . . . . .	Carlisle, Pa.	1783	George Edward Reed, S.T.D., L.L.D.	299	18	Scarlet and Gray.	<i>Origlamm.</i>
DRURY . . . . .	Springfield, Mo.	1873	Homer T. Fuller, Ph.D.	458	30	Blue and Gold.	<i>Hamiltonian.</i>
FISK UNIVERSITY . . . . .	Nashville, Tenn.	1866	Rev. Erastus Milo Cravath, D.D.	178	13	White and Blue.	<i>Echo of the Seneca.</i>
FRANKLIN AND MARSHALL . . . . .	Lancaster, Pa.	1832	John S. Stahl, Ph.D., D.D.	1510	67	Steel and Garnet.	<i>The Cyclone.</i>
GIARD . . . . .	Philadelphia, Pa.	1812	A. H. Felterolf, Ph.D., L.L.D.	158	20	Blue and Buff.	<i>The Hallabalo.</i>
HAMILTON . . . . .	Clinton, N. Y.	1812	M. W. Stryker.	4660	411	Crimson.	<i>The Melange.</i>
HARVARD UNIVERSITY . . . . .	Cambridge, Mass.	1636	Charles William Elliot, L.L.D.	85	19	Orange and Royal Purple.	<i>Epitome.</i>
HOBART . . . . .	Geneva, N. Y.	1845	Rev. Robert Ellis Jones, A.R.	500	30	Scarlet and Black.	<i>Stonford Quad.</i>
IOWA . . . . .	Grinnell, Iowa.	1848	Rev. George A. Gates, D.D.	570	109	Black and Blue.	<i>The Prism.</i>
JOHNS HOPKINS UNIVERSITY . . . . .	Baltimore, Md.	1876	Daniel C. Gilman, L.L.D.	314	34	Maroon and White.	<i>Marietta Col. Ohio.</i>
LAFAYETTE . . . . .	Easton, Pa.	1826	Ethelbert D. Warfield, L.L.D.	363	40	Brown and White.	<i>Technique.</i>
LEHIGH UNIVERSITY . . . . .	South Bethlehem, Pa.	1866	Thomas Messinger Drown, L.L.D.	1224	80	Cardinal Red.	<i>Kaleidoscope.</i>
LELAND STANFORD, JR., UNIVERSITY . . . . .	Stanford University, Cal.	1891	David Starr Jordan.	334	34	Light Blue.	<i>Llamarada.</i>
MAINE STATE COLLEGE . . . . .	Orono, Me.	1895	A. W. Harris, Sc.D.	262	27	Blue and White.	<i>The Clara.</i>
MARIETTA . . . . .	Marietta, Ohio.	1835	J. H. Chamberlin, Ph.D., Dean.	1771	164	Cardinal Red and Silver Gray.	<i>The Violet.</i>
MASS. INSTITUTE OF TECHNOLOGY . . . . .	Boston, Mass.	1825	James M. Crafts, S.B., Ph.D.	108	108	Navy Blue and Pearl White.	<i>The Syllabus.</i>
MIDDLEBURY . . . . .	Middlebury, Vt.	1800	Esra Brainerd, L.L.D.	441	42	Light Blue.	<i>Hi-O-Hi.</i>
MT. HOLYOKE . . . . .	South Hadley, Mass.	1837	Elizabeth Storrs Mead, A.M.	150	150	Steel and Garnet.	
MUHLBERG . . . . .	Allentown, Pa.	1897	Theodore L. Seip, D.D.	1717	158	Violet.	
NEW YORK UNIVERSITY . . . . .	New York, N. Y.	1831	Henry M. MacCracken, D.D., L.L.D.	260	56	Purple and White.	
NIAGARA UNIVERSITY . . . . .	Niagara University, N.Y.	1856	Rev. P. MacHale, C. M.	2313	246	Royal Purple.	
NORTHWESTERN UNIVERSITY . . . . .	Evanston, Ill.	1851	Henry Wade Rogers, L.L.D.	1283	80	Crimson and Gold.	
OBERLIN . . . . .	Oberlin, Ohio.	1833	James H. Fairchild.				

\* Acting as President.

# College Statistics—Continued.

Name.	Location.	Founded.	President.	Stud'ts.	Instr's.	Colors.	Annual.
OHIO STATE UNIVERSITY	Columbus, Ohio.	1870	James H. Canfield.	1019	93	Scarlet and Gray.	<i>The Lantern.</i>
OHIO WESLEYAN UNIVERSITY	Delaware, Ohio.	1844	Rev. J. W. Bashford, D.D.	1176	56	Black and Red.	<i>Bijou.</i>
PACIFIC UNIVERSITY	Forest Grove, Ore.	1884	Rev. Thomas McClelland, D.D.	160	11	Crimson and Black.	<i>The Spectrum.</i>
PENNSYLVANIA	Gettysburg, Pa.	1832	Henry W. McKnight, D.D., LL.D.	271	16	Orange and Blue.	
POLYTECHNIC INSTITUTE OF BR'KLYN	Brooklyn, N. Y.	1855	David H. Cochran, LL.D.	79	14	Blue and Gray.	
PRATT INSTITUTE	Brooklyn, N. Y.	1887	Charles M. Pratt.	3161	132	Cadmium Yellow.	<i>Brica-Brac.</i>
PRINCETON UNIVERSITY	Princeton, N. J.	1746	Francis Landey Patton, D.D., LL.D.	1099	85	Orange and Black.	<i>The Dabris.</i>
PERDUE UNIVERSITY	Lafayette, Ind.	1869	James Henry Smart, LL.D.	667	64	Black and Old Gold.	
RADCLIFFE	Cambridge, Mass.	1879	Elizabeth C. Agassiz.	410	98		
ROSE POLYTECHNIC INSTITUTE	Terre Haute, Ind.	1874	C. Leo Mees.	98	24	Old Rose and White.	<i>The Scarlet Letter.</i>
RUTGERS	New Brunswick, N. J.	1766	Austin Scott, Ph.D., LL.D.	152	28	Scarlet.	
SMITH	Northampton, Mass.	1871	L. Clark Seelye, D.D., LL.D.	1104	64	White.	<i>The Phoenix.</i>
SWARTHMORE	Swarthmore, Pa.	1864	Charles De Garmo, Ph.D.	162	24	Garnet.	<i>The Onandagan.</i>
SYRACUSE UNIVERSITY	Syracuse, N. Y.	1871	Rev. James R. Day, D.D., LL.D.	1135	113	Orange.	<i>The Trinity Inv.</i>
TRINITY	Hartford, Conn.	1833	George Williamson Smith, D.D., LL.D.	138	23	Blue and Old Gold.	<i>Brown and Blue.</i>
TUFTS	Tufts College, Mass.	1834	Elmer Hewitt Capen, D.D., LL.D.	580	88	Brown and Blue.	<i>Jambalaya.</i>
TULANE UNIVERSITY	New Orleans, La.	1847	William Preston Johnston, LL.D.	931	73	Olive and Blue.	<i>The Garnet.</i>
UNION	Schenectady, N. Y.	1795	Andrew V. V. Raymond, D.D., LL.D.	210	25	Garnet.	<i>Howitzer.</i>
U. S. MILITARY ACADEMY	West Point, N. Y.	1802	O. H. Ernst, Col. U. S. A., Supt.	335	59	Black and Gray.	<i>Annual Register.</i>
U. S. NAVAL ACADEMY	Annapolis, Md.	1815	Philip H. Cooper, Capt. U. S. N.	259	66	Old Gold and Navy Blue.	<i>Blue and Gold.</i>
UNIVERSITY OF CALIFORNIA	Berkeley, Cal.	1868	Martin Kellogg, A.M., LL.D.	2200	250	Blue and Gold.	<i>Cap and Gown.</i>
UNIVERSITY OF CHICAGO	Chicago, Ill.	1890	William Rainey Harper, Ph.D., D.D., LL.D.	2502	209	Maroon.	<i>Columbine.</i>
UNIVERSITY OF COLORADO	Boulder, Colo.	1877	James H. Baker, M.A., LL.D.	610	72	Silver and Gold.	<i>Michiganian.</i>
UNIVERSITY OF DENVER	Denver, Colo.	1864	Wm. F. McDowell, Ph.D.	599	100	Crimson and Gold.	<i>The Illio.</i>
UNIVERSITY OF MICHIGAN	Ann Arbor, Mich.	1837	James B. Angell, LL.D.	3114	205	Maize and Blue.	<i>Gopher.</i>
UNIVERSITY OF ILLINOIS	Urbana, Ill.	1897	Andrew S. Draper, LL.D.	1600	210	Blue and Orange.	<i>Old Miss.</i>
UNIVERSITY OF MINNESOTA	Minneapolis, Minn.	1868	Cyrus Northrop.	2647	268	Maroon and Old Gold.	<i>The Sombra.</i>
UNIVERSITY OF MISSISSIPPI	University, Miss.	1848	Robert B. Fulton.	274	16	Royal Purple.	<i>The Record.</i>
UNIVERSITY OF NEBRASKA	Lincoln, Neb.	1869	George Edwin MacLean, Ph.D., LL.D.	1915	184	Scarlet and Cream.	<i>Cap and Gown.</i>
UNIVERSITY OF PENNSYLVANIA	Philadelphia, Pa.	1740	Charles C. Harrison, LL.D., Provost.	2790	258	Red and Blue.	<i>Cactus.</i>
UNIVERSITY OF THE SOUTH	Seaside, Tenn.	1865	B. Lawton Wiggins.	327	36	Purple.	<i>Corks and Curls.</i>
UNIVERSITY OF TEXAS	Austin, Texas.	1883	George T. Winston, LL.D.	751	59	Orange and White.	<i>Badger.</i>
UNIVERSITY OF VIRGINIA	Charlottesville, Va.	1835	P. B. Barringer, M.D.	489	55	Orange and Blue.	<i>Vassarion.</i>
UNIVERSITY OF WISCONSIN	Madison, Wis.	1848	Charles Kendall Adams, LL.D.	1800	118	Cardinal.	<i>The Calyx.</i>
VASSAR	Poughkeepsie, N. Y.	1861	James M. Taylor, D.D., LL.D.	619	61	Rose and Gray.	<i>Legenda.</i>
WASHINGTON AND LEE UNIVERSITY	Lexington, Va.	1749	William L. Wilson, LL.D.	135	18	White and Blue.	<i>Olla Podrida.</i>
WELLESLEY	Wellesley, Mass.	1875	Julia J. Irvine, M.A., Litt.D.	721	90	Deep Blue.	<i>Chick-a-go-Rank.</i>
WESLEYAN UNIVERSITY	Middletown, Conn.	1831	Rev. Bradford P. Raymond, D.D., LL.D.	331	35	Cardinal and Black.	<i>The Galilean.</i>
WESTERN MARYLAND	Westminster, Md.	1869	Thomas Hamilton Lewis.	385	30	Royal Purple.	<i>The Aftermath.</i>
WILLIAMS	Williamstown, Mass.	1793	Franklin Carter, Ph.D., LL.D.	236	30	Crimson and Steel Gray.	<i>The Index.</i>
WORCESTER POLYTECHNIC INSTITUTE	Worcester, Mass.	1895	Thomas Corwin Mendenhall, Ph.D., LL.D.	445	29	Black and Old Gold.	<i>Yale Banner.</i>
WOOSTER UNIVERSITY	Wooster, Ohio.	1866	Rev. S. F. Scovel.	2511	260	Blue.	
YALE UNIVERSITY	New Haven, Conn.	1701	* Timothy Dwight.				

\* Resigned.





# ROSTER OF STUDENTS



NAME AND FRATERNITY.	COURSE.	CLASS.	HOME ADDRESS.
ABBOTT, LEWIS BENJAMIN . . . . .	IV.	'99	Danvers, Mass.
ABEEL, DAVID GUSTAVUS . . . . .	I.	S.	Catskill, N. Y.
ACKERMAN, ALEXANDER SEYMOUR . . . . .	XII.	'02	24 Eagle St., Newburyport, Mass.
ADAMS, CHARLES WARD, X. Φ. . . . .	VI.	'01	60 State St., Montpelier, Vt.
ADAMS, GEORGE ORLANDO . . . . .	V.	'00	North Andover, Mass.
ADAMS, HERBERT H., B.A., A. Δ. Φ. . . . .	I.	'99	39 Whitehall St., New York, N. Y.
ADAMS, ISAAC RAYNE . . . . .	IV.	'02	Annisquam, Mass.
ADAMS, JOHN HOWARD . . . . .	IV.	'99	351 Broadway, Pawtucket, R. I.
ADAMS, WALTER OWEN . . . . .	X.	'99	Gloucester, Mass.
ADDICKS, LAWRENCE . . . . .	II., VI.	'99	706 Spruce St., Philadelphia, Pa.
ALBIN, HENRY ALLISON . . . . .	VI.	S.	Concord, N. H.
ALBISTON, CLAYTON . . . . .	II.	'01	52 N. 2d St., New Bedford, Mass.
ALDRICH, WILLIAM TRUMAN, Ψ. T. . . . .	IV.	'01	110 Benevolent St., Prov'ce, R. I.
ALLBRIGHT, HENRY GLOVER, JR. . . . .	II.	'02	24 Virginia St., Dorchester, Mass.
ALLEN, CARLTON BRIGHAM . . . . .	XIII.	'02	19 Morton St., Somerville, Mass.
ALLEN, CLARENCE MASON . . . . .	IV.	'02	Barre, Mass.
ALLEN, ELBERT GROVER . . . . .	II.	'00	East Bridgewater, Mass.
ALLEN, ERNEST BLAKE . . . . .	XIII.	'01	31 Atlantic St., Winthrop, Mass.
ALLEN, FRANK DAVID . . . . .	I.	'02	3 Warren St., Gloucester, Mass.
ALLEN, GEORGE WINTHROP . . . . .	II.	'01	Matfield, Mass.
ALLEN, HARRY VASS, B.S., Σ. A. E. . . . .	VI.	'01	Raleigh, N. C.
ALLEN, JAMES WALTER . . . . .	VI.	'99	Newtonville, Mass.
ALLEN, LUCY MABEL . . . . .	V.	S.	70 Henry Ave., Lynn, Mass.
ALLYN, ALFRED WARREN . . . . .	IV.	'02	16 Allyn Place, Lawrence, Mass.
AMES, HENRY ALLISON . . . . .	VI.	'02	119 Hall St., Lowell, Mass.
ANDERSON, CHARLES LOUIS BATES . . . . .	I.	S.	4 Harris St., Newburyport, Mass.
ANDREW, ROBERT . . . . .	II.	'01	Linwood, Cincinnati, Ohio.
ANGUS, WILLIAM JACKSON, Δ. T. Δ. . . . .	I.	S.	3213 Michigan Ave., Chicago, Ill.
ANNETT, CECIL BANCROFT . . . . .	II.	'02	East Jaffrey, N. H.
APPLETON, ALLEN LANSING, X. Φ. . . . .	XIII.	'02	313 Maple St., Springfield, Mass.
APPLETON, WILLIAM CORNELL . . . . .	IV.	'01	Auburn, R. I.

NAME AND FRATERNITY.	COURSE.	CLASS.	HOME ADDRESS.
ARCHIBALD, GEORGE HUGHES, B.E.	I.	S.	North Sidney, C. B., Canada.
ARCHIBALD, WARREN MARTIN . . .	I.	S.	18 South St., Medford, Mass.
ARNOLD, ALBERT HEBER BAILEY . .	III.	'01	31 Waumbeck St., Roxbury, Mass.
ARSEM, WILLIAM COLLINS . . . .	V.	'01	15 Clinton St., Malden, Mass.
ASHLEY, GEORGE FRANCIS . . . .	IV.	'00	11 Laurel St., Somerville, Mass.
ASHLEY, HARRISON EVERETT . . .	X.	'00	947 Acushnet Ave., New Bedford.
ATWOOD, GEORGE DESLER . . . .	II.	'00	103 St. Felix St., Brooklyn, N. Y.
AUER, CHARLES ISRAEL . . . . .	III.	'01	818 Richmond St., Cincinnati, O.
AVERY, FRANCIS DEANE . . . . .	I.	'02	Buckland, Mass.
AXSON, EDWARD WILLIAM, M.A. . .	V.	S.	Princeton, N. J.
AYER, HAROLD OSGOOD, F. B. E. . .	V.	'99	Danville, Vt.
AYERS, FREDERIC CHESLEY . . . .	II.	S.	11 Forest St., Roxbury, Mass.
BACKUS, LE ROY MANSON . . . .	VI.	S.	1122 Jefferson St., Seattle, Wash.
BACON, CHARLES JAMES . . . . .	II.	'01	Winthrop, Mass.
BADLAM, STEPHEN . . . . .	III.	'00	15 Columbia St., Dorchester, Mass.
BAILEY, ROBERT WILLIAM . . . .	XIII.	S.	12 West 22d St., New York City.
BAILEY, THOMAS WENDELL . . . .	IV.	'99	10 Blackwood St., Boston, Mass.
BAKER, EDWARD SHERMAN . . . .	I.	'02	26 School St., Dedham, Mass.
BAKER, JAMES MCFARLAN . . . .	IV.	'02	202 Livingston St., Brooklyn, N. Y.
BAKER, PHILIP STONE, A. T. A. . .	II.	S.	1882 Wash. St., San Francisco, Cal.
BALCOM, REUBEN WILFRED . . . .	V.	'00	Framingham, Mass.
BALDWIN, ABRAHAM R., A. B. . . .	II.	'01	Chicago, Ill.
BALDWIN, ROBERT S., F. B. E. . .	V.	S.	318 Columbia Road, Dorch., Mass.
BALLANTYNE, BERTHA LENNIE . . .	VII.	'00	Hudson, Mass.
BALLARD, JOSEPH WILLIAM . . . .	II.	'02	Griswoldville, Mass.
BARKER, GEORGE GORDON . . . .	II.	'01	Woburn, Mass.
BARKER, JAMES EDMUND . . . . .	VI.	'00	N. Los. Robles Av., Pasadena, Cal.
BARNEY, MORGAN . . . . .	XIII.	'00	81 4th St., New Bedford, Mass.
BARRY, CHARLES GARDNER . . . .	I.	S.	Hillside Ave., Melrose, Mass.
BARTLETT, HOMER EUGENE . . . .	IV.	'02	North Adams, Mass.
BARTLETT, JANE HOWARD . . . .	V.	S.	West Bridgewater, Mass.
BARTON, CHARLES AUGUSTUS, JR. .	VI.	'00	334 Leland Ave., Ravenswood, Ill.
BASS, FREDERIC HERBERT . . . .	XI.	S.	Hyde Park, Mass.
BASSETT, WILLIAM MANNING . . .	I.	'02	65 St. Botolph St., Boston.
BATCHELLER, JAMES HERVEY . . .	III.	'00	34 Monument Sq., Charlestown.
BATES, JOHN ROSS . . . . .	II.	'02	Hyde Park, Mass.
BATES, SARAH LOVELAND . . . .	V.	S.	Belmont St., Newton, Mass.
BAUCHELLE, JOHN FLETCHER . . .		'02	76 Park Place, New York, N. Y.
BAXTER, FRANCIS KERNAN . . . .	III.	'01	62 Lansing St., Utica, N. Y.
BEALE, FORREST WILBUR . . . .	I.	'02	23 Federal St., Newburyport, Mass.
BEAN, WALTER RAYMOND . . . .	XIII.	'99	44 Woodbine St., Roxbury.
BECKLER, EDITH ARTHUR . . . .	V.	'02	590 East Seventh St., So. Boston.
BECKWITH, EDWARD PIERREPONT, A. Ψ.	V.	'01	567 Harvard St., Camb'ge, Mass.
BEDER, HAROLD WALDEMAR . . . .	IV.	S.	532 East 136th St., New York City.
BEEKMAN, JOHN VAN DERVEER, JR. .	IV.	S.	216 West 18th St., Plainfield, N. J.
BELCHER, DONALD MINOR, E. A. E. .	XI.	'02	14 Prospect St., Winchester, Mass.
BELCHER, EDWARD BROWNE . . . .	II.	'01	148 Hawthorne St., Malden, Mass.
BELKNAP, GEORGE HENRY . . . .	II.	S.	13 Milton Ave., Dorchester, Mass.

NAME AND FRATERNITY.	COURSE.	CLASS.	HOME ADDRESS.
BENDER, LOWRY DRAVO W. . . .	III.	'00	436 Atlantic Ave., Pittsburgh, Pa.
BENDER, MARGARET WILKINSON . .	IV.	S.	436 Atlantic Ave., Pittsburgh, Pa.
BENNETT, RAYMOND FRANKLIN . .	I.	'99	35 Melbourne St., Portland, Me.
BENNINK, CARROL AUGUSTUS . . .	IV.	'99	Cambridgeport, Mass.
BENSON, HARRY FREDERICK . . .	II.	'01	34 Harvard St., Whitman, Mass.
BENSON, NEWTON DAVIS . . . .	IV.	'99	8 Damson St., Providence, R. I.
BERGSTROM, GEORGE EDWIN . . .	IV.	S.	Neenah, Wis.
BESSE, HAROLD AUGUSTUS . . . .	V.	'02	10 Garden St., Newburyport, Mass.
BEST, EDNA MAY WILLISTON . . .	V.	'02	14 Danube St., Roxbury, Mass.
BETTS, IRA BENEDICT, JR. . . .	IV.	S.	126 E. 113th St., New York, N. Y.
BICKFORD, WARREN IRA, A. T. . .	VI.	'01	2511 K St., N. W., Wash'n, D. C.
BIGELOW, LYMAN HERBERT . . .	I.	S.	376 Main St., Charlestown, Mass.
BILYEA, CARL THOMPSON, X. Φ. . .	IV.	'01	28 Sterling St., Watertown, N. Y.
BIRKS, ARTHUR HENRY . . . .	IV.	'00	141 High St., Peoria, Ill.
BITTENDER, CHARLES . . . . .		S.	1421 K St., N. W., Wash'n, D. C.
BLACKMER, ARTHUR ELIOT . . . .	I.	'99	12 Warren Ave., Plymouth, Mass.
BLAIR, ROBERT SHERMAN . . . .	VI.	'00	Waterville Road, Waterbury, Ct.
BLAISDELL, ROBERT VAN BERGEN .		'02	2918 Morgan St., St. Louis, Mo.
BLAKE, FRANCIS MINOT, A. T. Δ. .	II.	'99	426 Marlboro St., Boston, Mass.
BLAKE, KENNETH MALLON, A. K. E. .	II.	S.	33 Washington St., Newton, Mass.
BLANCHARD, HUSE TEMPLETON . .	IV.	'01	76 Washington St., Concord, N.H.
BLEECKER, JOHN STEARNS, S.B., Δ. Ψ.	VI.	'99	Portsmouth, N. H.
BLODGETT, GEORGE RAYMOND . . .	VI.	'02	378 Austin St., West Newton.
BOARDMAN, CHARLES . . . . .	XIII.	'02	388 Marlboro St., Boston.
BOARDMAN, CHARLES HENRY, JR. .	IV.	'02	53 Breed St., Lynn, Mass.
BOLAND, MARY A. . . . .	VII.	S.	117 W. Newton St., Boston, Mass.
BOLLMAN, WILLIAM, JR. . . . .		S.	1160 Forest Ave., New York, N. Y.
BOLSTER, ROY HALE . . . . .	VI.	'00	10 Cobden St., Roxbury, Mass.
BOND, FREDERICK HENRY, JR. . .	IV.	'01	31 Longwood Ave., Brkl'ne, Mass.
BONNEMORT, CHARLES JUDSON . .	I.	'02	Walnut Hill, Mass.
BONNS, WALTER WEIDENFELD . .	IV.	'99	538 Jefferson St., Milwaukee, Wis.
BOOTH, ARTHUR ROBERT GREGORY .	V.	'01	353 Walker St., Lowell, Mass.
BORDEN, NORMAN EASTON . . . .	II.	'02	19 Chestnut St., Salem, Mass.
BOSWORTH, HAROLD OTIS . . . .	X.	'02	1331 Gilpin St., Denver, Col.
BOURNEUF, AMBROSE FRANCIS . .	IV.	S.	31 Arch St., Haverhill, Mass.
BOWDITCH, INGERSOLL, A.B. . . .	I.	'00	Jamaica Plain, Mass.
BOWDITCH, THEODORA . . . . .	VII.	'00	Jamaica Plain, Mass.
BOYD, FREDERIC ROY COURTENAY .	VI.	'01	36 Annawan St., Hartford, Conn.
BOYLE, JOHN, JR. . . . .	III.	'01	259 Merrimac St., Newby'pt, Mass.
BOYNTON, PERKINS . . . . .	XI.	'01	44 Judkins St., Newtonville, Mass.
BRADLEY, FRANCIS . . . . .	II.	'02	35 Longwood Ave., Brkl'ne, Mass.
BRAGG, CHARLES LE ROY . . . .		'02	Cambridge, Mass.
BRAINERD, ERASTUS LE ROY . . .	I.	'02	Portland, Conn.
BREWER, CHARLES DUNCAN . . . .	III.	'02	427 West 3d St., Duluth, Minn.
BRICKLEY, WILLIAM JOSEPH . . .	II.	S.	68 Tremont St., Charlestown.
BRIGGS, ALBERT BILLINGS . . . .	I.	'00	Wollaston, Mass.
BRIGGS, ARCHIBALD HENRY . . .	XIII.	'02	Atlantic, Mass.
BRIGGS, CHARLES CALVIN, JR., X. Φ.	XIII.	'00	153 Craig St., Pittsburg, Pa.

NAME AND FRATERNITY.	COURSE.	CLASS.	HOME ADDRESS.
BRIGGS, JOHN PORTER . . . . .	I.	'01	175 Sandwich St., Plymouth, Mass.
BRIGGS, ZENAS MARSTON, A.B. . . .	I.	S.	53 Wash'ton St., N. Bedford, Mass.
BRIGHAM, EDMOND FRANCIS . . . . .	X.	'00	Newton Highlands, Mass.
BRIGHAM, THEODORE WILLIAM, F.B.E. .	XIII.	S.	7th Ave. and 56th St., New York.
BRIGHT, GEORGE, JR., X. F. . . . .	III.	'02	302 Mahantongo St., Pottsv'e, Pa.
BROCK, HENRY MATTHIAS, A.B. . . .	VIII.	S.	15 Woodville St., Roxbury, Mass.
BRODIE, MATTHEW . . . . .	II.	S.	409 Jersey St., Buffalo, N. Y.
BRONSON, JOHN STANARD, A. K. E. . .	IX.	S.	1503 McGavock St., Nashv'e, Tenn.
BROOKS, PAUL RAYMOND . . . . .	II.	'00	4912 Woodlawn Ave., Chicago, Ill.
BROWN, ARTHUR HARRISON . . . . .	II.	'99	Reading, Mass.
BROWN, CARROLL WILDER . . . . .	I.	'99	Rye Beach, N. H.
BROWN, CHARLES HOYT . . . . .	X.	S.	Wellsville, N. Y.
BROWN, CLARENCE CLAPP . . . . .	VI.	'00	Reading, Mass.
BROWN, CLARENCE LINCOLN . . . . .	IV.	'01	20 Lowell St., Newtonville, Mass.
BROWN, GEORGE WINSLOW, X. F. . . .	V.	S.	Fuller St., Brookline, Mass.
BROWN, JAMES HUGH . . . . .	VI.	'02	6 Staniford St., Boston, Mass.
BROWN, JOHN . . . . .	I.	S.	40 Bradford Ave., Fall River.
BROWN, JOHN WESLEY . . . . .	V.	'00	13 Forrester Ave., Newburyport.
BROWN, ROBERT VAUGHAN . . . . .	X.	'02	94 Bird St., Roxbury, Mass.
BROWN, STEPHEN PEARSON, Z. X. . . .	II.	'00	Dover, Me.
BROWN, WILLIAM NATHANIEL . . . .	IV.	'02	44 Pleasant St., Gloucester, Mass.
BROWNELL, JOHN RANDOLPH . . . . .	I.	S.	Geneva, Ill.
BRUSH, MATTHEW CHAUNCEY, A. K. E. .	II.	'01	432 Superior St., Duluth, Minn.
BUCK, VICTOR BUCHANAN, JR. . . . .		S.	New York, N. Y.
BUCKLIN, MILTON POLLARD . . . . .	VI.	S.	40 Princeton Av., Providence, R. I.
BUFFUM, FREDERICK DELANO, B.O.II.	II.	'00	Winchester, N. H.
BUGBEE, EDWARD EVERETT . . . . .	III.	'00	Allerton St., Brookline, Mass.
*BURCH, GUY PRENTISS . . . . .	I.	'99	381 West 3d St., Dubuque, Iowa.
BURDICK, EDWIN PARKS, Z. A. E. . . .	I.	S.	2 Ellsworth Park, Camb'ge, Mass.
BURDICK, HERBERT CLEMENS . . . . .	VI.	'02	2 Ellsworth Park, Camb'ge, Mass.
BURGESS, PHILIP . . . . .	XI.	'99	Otis St., Newtonville, Mass.
BURNHAM, EDWARD, JR. . . . .	I.	'02	Chicago, Ill.
BURNHAM, ROY GIBSON . . . . .	II.	'00	Essex, Mass.
BURNS, JAMES DENNIS, JR. . . . .	I.	S.	7 Allen St., Salem, Mass.
BURR, CHARLES HENRY . . . . .	I.	'02	West Newton, Mass.
BURR, ROGER AMES . . . . .	IX.	S.	Chestnut Hill, Mass.
BURROUGHS, KARL . . . . .	X.	'00	11 Landers St., Somerville, Mass.
BUTLER, ARTHUR FRANK . . . . .	VI.	'02	130½ Colburn St., Lowell, Mass.
BUTLER, FERDINAND ALMON . . . . .	VI.	'99	32 Hancock St., Salem, Mass.
BUTLER, LAWRENCE SMITH, A.B. . . .	IV.	S.	22 Park Ave., New York, N. Y.
BUTLER, WALTER HAROLD . . . . .	II.	S.	231 W. Newton St., Boston, Mass.
BUTTERS, CHARLES MILTON . . . . .	I.	S.	19 Church St., Somerville, Mass.
BUYS, ARTHUR FRANCIS . . . . .	IV.	S.	108 Fort Greene Pl., Br'k'n, N. Y.
BUXTON, PHILIP LOREN . . . . .	X.	'01	50 Cedar St., Worcester, Mass.
CADE, CHARLES WALKER . . . . .	X.	'01	14 Clinton St., Camb'port, Mass.
CADE, MARION LOUISE . . . . .	VII.	S.	14 Clinton St., Camb'port, Mass.
CADY, FRANCIS ELMORE . . . . .	VI.	S.	910 Sherwin Ave., Chicago, Ill.

\* Deceased.

NAME AND FRATERNITY.	COURSE.	CLASS.	HOME ADDRESS.
CADY, FRANK LIPPITT . . . . .	V.	S.	78 Central St., Providence, R. I.
CALDWELL, FREDERICK WILLIAM . . . . .	II.	'99	42 Stevens St., Winchester, Mass.
CAMPAN, ANTOINE BLACKWELL . . . . .	IV.	'01	407 Madison Ave., Grand Rapids.
CAMPBELL, CHARLES FRANCIS F. . . . .	IX.	'00	London, England.
CAMPBELL, HARRY ANDREW BACH . . . . .	II.	'99	London, England.
CAMPBELL, JOHN . . . . .	III.	'00	Lincoln Ave., E. End, Pittsburg, Pa.
CANNON, SYLVESTER QUAYLE . . . . .	III.	'99	24 E. So. Temple St., Salt Lake City.
CANNON, WILLARD TELLE . . . . .	II.	'99	24 E. So. Temple St., Salt Lake City.
CAPEN, BERNARD WINSLOW . . . . .	VI.	'02	Stoughton, Mass.
CARR, JAMES HENRY . . . . .	II.	S.	7 Pearl St., Salem, Mass.
CARTER, GEORGE WILLIAM . . . . .	VI.	'01	328 Front St., Chicopee Cen., Mass.
CASANI, ALBERT AENEAS . . . . .	I.	'01	7 Woodville St., Everett, Mass.
CASE, HERBERT MONROE . . . . .	VI.	'99	109 Ann St., Hartford, Conn.
CATES, LOUIS SHATTUCK . . . . .	III.	'02	Hammond St., Newton Centre.
CATLIN, JOSEPH PRIESTLY . . . . .	VI.	'01	Gouverneur, N. Y.
CAVANAGH, ARTHUR JOSEPH . . . . .	XIII.	S.	Braintree, Mass.
CAYVAN, LEWELLYN LEOPOLD . . . . .	V.	'00	660 Sixth St., South Boston, Mass.
CHAFFEE, WALTER CRANE, A. T. . . . .	IV.	'00	85 Edmont Pl., Detroit, Mich.
CHALIFOUX, PAUL ERNEST, F. B. E. . . . .	III.	'02	377 Wilder St., Lowell, Mass.
CHALMERS, HARRY BISHOP . . . . .	X.	'00	312-316 E. 88th St., New York.
CHANDLER, EDNA MATILDA . . . . .	V.	'99	110 Thornton St., Roxbury, Mass.
CHANDLER, HOWARD TRUEMAN . . . . .	II.	'01	Oakbridge St., Mattapan, Mass.
CHANDLER, LEONARD DEXTER . . . . .	II.	'01	45 Jaques St., Somerville, Mass.
CHAPIN, HENRY MORTON . . . . .	II.	'02	90 Ocean St., New London, Conn.
CHAPMAN, EBEN LORD . . . . .	I.	S.	Franklin Falls, N. H.
CHAPMAN, HARLEN MONROE . . . . .	V.	S.	Turner's Falls, Mass.
CHAPMAN, JAMES FINLAY, S.B. . . . .	VI.	'99	Marikato, Minn.
CHAPMAN, WARREN GORTON . . . . .	VI.	'01	Niantic, Conn.
CHARLES, WALTER NATHAN . . . . .	I.	'00	28 Glenwood St., Roxbury, Mass.
CHASE, AURIN MOODY, B.S. . . . .	II.	S.	Comstock Ave., Syracuse, N. Y.
CHASE, FRANK DAVID . . . . .	I.	'00	Chicago, Ill.
CHICK, RANDALL BARRETT . . . . .			S. Springvale, Me.
CHILDS, ARTHUR RAMSEY . . . . .	IV.	'02	Lee, Mass.
CHITTENDEN, ALBERT . . . . .	VI.	S.	38 St. Botolph St., Boston, Mass.
CHUBB, CHESTER NILES . . . . .	I.	'01	109 Berkeley St., Lawrence, Mass.
CHURCH, ALBERT THOMAS . . . . .	III.	'02	1102 Tenth St., Oakland, Cal.
CHURCH, EDWIN FAYETTE, JR. . . . .	XIII.	'01	20 Holborn St., Roxbury, Mass.
CHURCHILL, DAVID CARROLL . . . . .	II.	'99	Oberlin, Ohio.
CHURCHMAN, ALBERT LAWRENCE, O. E. . . . .	II.	S.	1311 Rodney St., Wilmington, Del.
CLAFLIN, FRED WINSLOW . . . . .	I.	S.	98 Main St., Hopkinton, Mass.
CLAPP, ARTHUR CHANNING . . . . .	II.	'02	179 Boston St., So. Boston, Mass.
CLAPP, CLIFFORD BLAKE . . . . .	I.	'02	169 Boston St., So. Boston, Mass.
CLAPP, FREDERICK GARDNER . . . . .	XII.	'01	169 Boston St., So. Boston, Mass.
CLAPP, FREDERICK OTIS, A.M. . . . .	I.	'99	11 Bridgham St., Providence, R. I.
CLAPP, JAMES FORD . . . . .	IV.	S.	18 Atlantic Ave., So. Boston, Mass.
CLARK, BENJAMIN FRANKLIN, JR. . . . .	II.	S.	Conway, N. H.
CLARK, BURTON STEDMAN, F. F. A. . . . .	IV.	'00	10 Oxford St., Worcester, Mass.
CLARK, GEORGE ADAMS . . . . .	I.	S.	72 Marginal St., E. Boston, Mass.

NAME AND FRATERNITY.	COURSE.	CLASS.	HOME ADDRESS.
CLARK, JAMES KENNETH . . . .	II.	'99	5th and Hickory Sts., Warren, Pa.
CLARK, REUBEN BACON, Δ. Ψ. . .	XIII.	'01	1501 Mass. Ave., Wash'ton, D. C.
CLARKE, WILLIAM CASE, JR., B.S. .	I.	S.	Wakefield, R. I.
CLARY, ROBERT HODGEN, Σ. X. . .	III.	'00	Columbia St., Seattle, Wash.
CLAUSEN, RUDOLPH JULIUS . . . .	IV.	'99	624 W. 6th St., Davenport, Iowa.
CLEVELAND, ERNEST ELGIN . . . .	VI.	'01	121 High'd Ave., Somerv'le, Mass.
CLOW, PERCIVAL CHARLES . . . .	IV.	'00	Orange, Mass.
CLUFF, CLARENCE BROOKS . . . .	V.	'99	13 Columbia Park, Haverhill.
COBURN, FRED WARD . . . . .	X.	'01	281 E. Merrimac St., Lowell, Mass.
COBURN, LAWRENCE GARDINER . . .	VI.	'02	158 Washington St., Malden, Mass.
COLBY, FRANK ARNOLD . . . . .	IV.	'01	13 Cleveland St., Hyde Park, Mass.
COLGAN, JAMES ARTHUR HERBERT .	VI.	'02	Springfield, N. B.
COLLIER, ARTHUR LUKE . . . . .	XIII.	'02	91 Congress Ave., Chelsea, Mass.
COLLIER, WILLIAM RAWSON, Σ. X. .	VI.	'00	296 Rawson St., Atlanta, Ga.
COLMAN, JEREMIAH, JR. . . . .	X.	'01	144 Pleasant St., Arlington, Mass.
COMNEY, CHARLES HENRY . . . . .	II.	S.	3 Herbert St., Dorchester, Mass.
COMINS, WALDO HUNTER . . . . .	III.	'02	Glen Ridge, N. J.
CONANT, FRANKLIN NORTON . . . .	VI.	'00	3 Wellington St., Boston, Mass.
CONANT, HAROLD SARGENT . . . .	VII.	'00	36 Pleasant St., Gloucester.
CONANT, JOHN BANCROFT . . . . .	VI.	'00	421 Massachusetts Ave., Boston.
CONGDON, JOHN ELLIOTT . . . . .	II.	'99	810 Second St., Fall River, Mass.
CONKLIN, HERBERT KING . . . . .	IV.	'99	70 Heller Parkway, Newark, N. J.
CONSTANTINE, ARTHUR MCGREGOR .	IX.	S.	18 Strong St., Newburyport, Mass.
COOK, WALTER LORRAIN, X. Φ. . .	III.	'02	Chicago, Ill.
COOKE, EDWARD BAILEY, Δ. K. E. .	III.	'01	743 King St., Pottstown, Pa.
COOKE, FREDERICK HOSMER, Σ. A. E.	I.	'00	508 Rockdale Ave., Cincinnati, O.
COOLIDGE, EDWARD BLISS, JR., B.S.	VI.	S.	43 E. Alexander St., Detroit, Mich.
COPP, GEORGE IRVING . . . . .	II.	'99	Rockingham Pl., Cambridgeport.
CORBETT, CHARLES WALTER, JR. .	VI.	S.	6 Rutland Sq., Boston.
CORLISS, CYRUS . . . . .	VI.	S.	Randolph, Mass.
CORSE, WILLIAM MALCOLM . . . .	V.	'99	23 Oakland St., Medford, Mass.
COWELL, DAVID HOLBROOK . . . .	VI.	S.	21 Monadnock St., Dorchester.
COWING, GEORGE ARTHUR . . . . .	VI.	S.	Wyoming, Ohio.
COX, ALLEN HOWARD . . . . .	IV.	S.	248 Maple St., Holyoke, Mass.
CRANE, EARL BENHAM, Σ. A. E. . .	III.	'02	413 4th Ave., Spokane, Wash.
CRITTENDEN, PHILIP LEE . . . . .	VI.	'01	Geneva, Ill.
CROSS, CHARLES ROBERT, JR. . . .	IX.	S.	Upland Road, Brookline.
CROSS, FREDERICK CUSHING, Φ. B. E.	XI.	S.	428 Main St., Fitchburg, Mass.
CROSS, GEORGE IRVING . . . . .	XIII.	'02	73 Dorchester St., So. Boston.
CROSWELL, JOSEPH SIMONDS . . . .	II.	'00	65 Frost St., N. Cambridge, Mass.
CROWELL, ALLAN WEBB . . . . .	I.	'02	20 7th St., New Bedford, Mass.
CROWELL, LOUIS AUSTIN, Σ. A. E. .	I.	'00	East Dennis, Mass.
CROWELL, ESTHER LOUISE . . . . .	VII.	S.	Brattleboro, Vt.
CROWNINSHIELD, KATHARINE BRADLEE	IX.	S.	164 Marlboro St., Boston.
CULP, CHARLES MILLER, PH.B. . . .	I.	'01	Raymond, Ill.
CULVER, LLORA ROBINSON . . . . .	V.	'02	Westland Ave., Boston.
CUMMINGS, PRESCOTT HUNT . . . .	II.	S.	Cuylerville, N. Y.
CUMMINS, HARLE OREN, Σ. X. . . .	II.	'01	54 College St., Montpelier, Vt.

NAME AND FRATERNITY.	COURSE.	CLASS.	HOME ADDRESS.
CURREY, HAROLD YOUNG . . . .	II.	'02	1308 Judson Ave., Evanston, Ill.
CURRY, WILLIAM LEHMER, X. Φ. . .	VI.	'99	Homeward Ave., Pittsburg, Pa.
CURTIS, CHARLES WARREN . . . .	V.	S.	433 Central St., Lowell, Mass.
CURTIS, WALTER MOLBRAY . . . .	II.	'01	10 Park Ave., Whitman, Mass.
CURTISS, JOHN LEE, Φ. B. E. . . .	VI.	S.	Fishkill-on-Hudson, N. Y.
CUSHING, HARVEY MORSE . . . .	VI.	'99	186 E. Maple Ave., Othunwa, Ia.
CUSHING, MATTHEW MARBLE . . . .	IX.	S.	10 Prospect St., Fitchburg, Mass.
CUTTER, EDWARD HENRY, Σ. A. E. .	II.	'02	6516 Harvard Ave., Chicago, Ill.
CUTTING, GEORGE WARREN, JR. . .	I.	'01	Weston, Mass.
DALOE, LAURENT ESAIE . . . . .	V.	'01	19 Mt. Vernon St., Dor., Mass.
DAMON, HARRY SUMNER . . . . .	II.	'99	Bryantville, Mass.
DAKIN, JOHN LEANDER, JR. . . . .		S.	44 Evergreen St., Roxbury.
DANFORTH, CHARLES WARREN . . .	X.	'01	Tyngsboro, Mass.
DANFORTH, NEWMAN LORING, Σ. A. E.	II.	'01	428 Norwood Ave., Buffalo, N. Y.
DART, ALBERT CHARLES, JR. . . .	III.	'00	2106 Seventh Ave., Rock Is., Ill.
DART, CYRUS VICTOR . . . . .	I.	S.	716 22d St., Rock Island, Ill.
DART, HARRY EDSON . . . . .	VI.	'01	45 Howard St., New London, Ct.
DAVIDSON, WILLIAM FREDERICK . .	II.	'01	489 Highland Ave., New Castle, Pa.
DAVIES, JOHN CHARLES . . . . .	III.	'02	161 23d St., Portland, Ore.
DAVIS, ARTHUR COLBY . . . . .	V.	'01	146 Wash. St., Gloucester, Mass.
DAVIS, EDWARD HATTON . . . . .	IX.	'01	27 Albion St., Hyde Park, Mass.
DAVIS, HAROLD HENRY . . . . .	VI.	'01	Chelmsford, Mass.
DAVIS, OLIVER MARCY . . . . .	XIII.	S.	1703 Chicago Ave., Evanston, Ill.
DAVIS, WALTER POORE . . . . .	III.	'01	9 Fair St., Newburyport, Mass.
DAVIS, WILBUR WARD . . . . .	I.	S.	91 Webster St., Malden, Mass.
DEAN, WALTER CLARK . . . . .	VI.	'00	Dalton, Pa.
DEARDEN, CLINTON MERRILL . . .	VIII.	'01	58 Lincoln Ave., Fall River, Mass.
DELANO, PAUL HOLMES . . . . .	I.	S.	Kingston, Mass.
DENNISON, CHARLES HAMILTON . .	X.	'01	35 Carmel St., Chelsea, Mass.
DENNY, LUCY AGATHA . . . . .	V.	S.	Weedspport, N. Y.
DERBY, RICHARD BAKER, Φ. B. E. .	IV.	S.	Concord, Mass.
DERBY, ROBERT MASON, Δ. Ψ. . .	I.	S.	352 Beacon St., Boston, Mass.
DEXTER, KATHARINE . . . . .	VII.	S.	2 Raleigh St., Boston, Mass.
DICKSON, PAUL RICHARD BERESFORD	XIII.	S.	2 Hastings Sq., Cambridge, Mass.
DIKE, GEORGE PHILIPPS, B. A., Δ. T.	II.	S.	113 Hancock St., Aubu'dale, Mass.
DIMOCK, ELWIN HIBBERT . . . .	II.	'00	697 Washington St., Dor., Mass.
DIXON, CHARLES SUMNER . . . . .	VI.	'99	32 Lawrence St., Boston, Mass.
DODGE, LYMAN EDWARD . . . . .	V.	'01	9 Mill St., Newburyport, Mass.
DOOLEY, WILLIAM HENRY . . . .	V.	'01	571 Dudley St., Roxbury, Mass.
DOREY, WILLIAM ASBURY . . . . .	III.	'00	643 W. 4th St., Cincinnati, Ohio.
DORSEY, FARNUM FRANCIS . . . .	II.	'01	Winthrop St., Winchester, Mass.
DOW, RICHARD ERNEST . . . . .	X.	S.	345 Upham St., Melrose, Mass.
DOW, WILLARD WELLMAN . . . . .	IX.	'01	Alpine St., Malden, Mass.
DOZIER, HENRIETTA CUTTINO . . .	IV.	'99	Atlanta, Ga.
DRAPER, JOSEPH PORTER . . . . .	IX.	'00	Canton, Mass.
DREW, CHARLES DAVIS, A. B. . . .	I.	'99	West Newton, Mass.
DRISCOLL, FRANK BLAIR . . . . .	I.	'01	7 Michigan Ave., Dorches'r, Mass.
DRISCOLL, JAMES . . . . .	V.	'02	71 Centre St., Roxbury, Mass.

NAME AND FRATERNITY.	COURSE.	CLASS.	HOME ADDRESS.
DRISCOLL, TIMOTHY JOSEPH . . .	VI.	'99	7 Hamburg St., Boston, Mass.
DUBOIS, NORMAN ARMIN . . .	VI.	'01	2029 Bay St., Fall River, Mass.
DULUDE, FREDERICK JOSEPH . . .	I.	'01	95 Elm St., Woonsocket, R. I.
DUNBAR, HOWARD REGINALD . . .	II.	S.	Canton, Mass.
DUNHAM, MILTON CORNELIUS . . .	III.	'02	35 N. Montello St., Brockton, Mass.
DUNKLEE, IVAH . . .		S.	Boston, Mass.
DUNWOODY, PRESTON YARNALL, F. B. E.	IV.	S.	238 W. Franklin Ave., Minneapolis.
DU PONT, LAMMOT, F. B. E. . . .	I.	'01	Wilmington, Del.
DURBIN, JOSEPH WILBER . . .	VI.	'02	211 Penn St., Burlington, N. J.
DURGIN, CLARA ISABEL . . .	V.	'00	Belmont, Mass.
DURGIN, WILLIAM ANDREW . . .	VI.	'02	Rochester, N. Y.
DUTTON, ALBERT IRA . . .	VI.	'02	South Framingham, Mass.
DUTTON, FRANCIS BIRD, A. B. . . .	X.	'00	61 Hancock St., Auburndale, Mass.
EAGAR, GEORGE EVERETT TRAVER . .	III.	'02	London, England.
EAGER, FRANK JOSEPH . . .	III.	'01	54 Quincy St., Roxbury, Mass.
EAMES, JESSE JENNINGS . . .	II.	'02	So. Framingham, Mass.
EATON, HENRY CHARLES . . .	II.	'99	50 Taylor St., Waltham, Mass.
EDGEcombe, WILLIAM HENDRIK . .	II.	'02	Waltham, Mass.
EDSON, WARREN ADAMS . . .	II.	'00	11 Tremlet St., Dorchester, Mass.
EDGERLY, DANIEL WILBERT, S. B. . .	V.	'98	86 Franklin St., Cambridge, Mass.
EGAN, JOHN MYERS, X. F. . . .	VI.	'02	223 Gwinnett St., Savannah, Ga.
EHLE, ARCHIBALD HYDE, S. X. . . .	II.	'02	Faribalt, Minn.
ELBERT, SAMUEL BASS, X. F. . . .	III.	'00	1030 21st St., Des Moines, Iowa.
ELLERY, JAMES BENJAMIN . . .	V.	'99	Annisquam, Mass.
ELLIS, CARLETON . . .	V.	'00	195 Winchester St., Keene, N. H.
ELLIOT, BERNARD GIFFORD . . .	I.	'02	Newtonville, Mass.
EMERSON, FRANK . . .	I.	S.	101 Blossom St., Lowell, Mass.
EMERSON, FRANK NELSON, A. B. . . .	IV.	S.	905 N. Jefferson Ave., Peoria, Ill.
EMERSON, GEORGE DANA . . .	VI.	S.	Denver, Col.
EMERY, GEORGE WEBSTER . . .	III.	'00	25 Albion St., Somerville, Mass.
EVANS, JOSEPH DEAN, S. X. . . .	I.	S.	328 Welder St., Lowell, Mass.
EVELAND, ARTHUR JOHN . . .	III.	'01	15 Nottingham St., D'chest'r, Mass.
EVERETT, FREDERICK ELWIN . . .	I.	S.	Elkins, N. H.
EVERETT, HAROLD ARTHUR . . .	XIII.	'02	3 Oxford Terrace, Boston, Mass.
EWART, CHARLES WALLACE, S. A. E. .	III.	'02	Spokane, Wash.
FARMER, WALTER HAVENS, F. B. E. .	I.	'02	80 Main St., Hartford, Conn.
FARNUM, DWIGHT . . .	III.	S.	24 Elm St., Brookline, Mass.
FERGUSON, JOHN BERTON . . .	I.	'99	Woburn, Mass.
FERRIN, HENRY ABBOTT . . .	XIII.	'02	1515 Middlesex St., Lowell, Mass.
FIELD, DAVID DUDLEY . . .	II.	'02	Westchester, N. Y.
FIELD, LEONARD H., JR., A. B., X. F.	IV.	'99	804 West Main St., Jackson, Mich.
FIFIELD, ETHEL FRANCES, A. B. . .	IV.	S.	17 Pleasant St., Salem, Mass.
FIFIELD, FREDERIC ALONZO . . .	II.	'99	Methuen, Mass.
FINNERAN, THOMAS ALPHONSUS . .	XI.	'02	28 Fisher Ave., Roxbury, Mass.
FISCHER, ADOLPH LOUIS . . .	VI.	'01	Salem, Mo.
FISH, HAROLD COBURN . . .	I.	'02	Hyde Park, Mass.
FISHER, DANA HOLLIS . . .		S.	Norwood, Mass.
FISK, GEORGE FARNSWORTH . . .	VI.	S.	Hyde Park, Mass.

NAME AND FRATERNITY.	COURSE.	CLASS.	HOME ADDRESS.
FITCH, CHARLES HENRY . . . . .	V.	'02	40 Hancock St., Boston, Mass.
FITCH, STANLEY GAY HYDE, Δ. K. E.	X.	'00	14 Morrill St., Dorchester, Mass.
FITCH, WALTER SPENCER . . . . .	II.	'02	48 Union St., Rockville, Conn.
FITZ, EMMA JENNY . . . . .	S.		270 Commonwealth Ave., Boston.
FITZGERALD, JOHN MARK . . . . .	II.	'02	Cambridgeport, Mass.
FLAGG, EDITH AUGUSTA . . . . .	S.		Acton, Mass.
FLANDERS, HERBERT MERRITT, Δ.K.E.	I.	S.	291 Clifton St., Malden, Mass.
FLECK, CHARLES EVEREST . . . . .		'02	Austin, Minn.
FLEMING, EDWARD PICKERING . . . . .	III.	'01	273 Huron Av., N. Camb'ge, Mass.
FLEMMINGS, JOHN ALBERT . . . . .	VI.	'99	393 High St., Lowell, Mass.
FLETCHER, HAROLD HERVEY . . . . .	I.	'02	Brookline, Mass.
FLINT, CHARLES KIMBALL . . . . .	VI.	'01	Beacon St., Waban, Mass.
FLORSHEIM, LEONARD S. . . . .	I.	'01	4913 Grand Boul., Chicago, Ill.
FLYNN, WILLIAM BURWELL, Δ. T. . . . .	VI.	'99	10 Fremont St., Bridgeport, Conn.
FOLJAMBE, EUGENE STILLMAN . . . . .	II.	S.	Denver, Col.
FOLSOM, HARRY GILMAN . . . . .	VI.	'01	60 Cedar St., Malden, Mass.
FOOTE, ARTHUR BURLING, Δ. T. Δ. . . . .	I.	'99	Grass Valley, Cal.
FOOTE, THOMAS WITHERBEE, Σ. X. . . . .	II.	'02	4842 Washington Av., Chicago, Ill.
FORBES, EUGENE DUNCAN . . . . .	VI.	'02	40 Pomeroy St., Allston, Mass.
FORD, GEORGE BURDETT, A.B. . . . .	IV.	'00	304 Church St., Clinton, Mass.
FOSDICK, CHARLES MUSSEY, Σ. A. E. . . . .	XI.	'00	128 Pritchard St., Fitchburg, Mass.
FOSTER, FLOYD JAMES, Σ. A. E. . . . .	III.	S.	15 West 83d St., New York, N. Y.
FOSTER, HOWARD WILLISTON . . . . .	I.	S.	East Providence, R. I.
FOSTER, MORTIMER BRISTOL, Θ. Δ. X. . . . .	VI.	'01	879 Beacon St., Boston, Mass.
FOSTER, SOL SHARP . . . . .		'02	Louisville, Ky.
FOSTER, THOMAS . . . . .	VI.	'02	Louisville, Ky.
FOWLE, FRANK FULLER . . . . .	VI.	'99	9 Shailer St., Brookline, Mass.
FOWLE, LEONARD MUNN . . . . .	II.	'02	166 St. Botolph St., Boston, Mass.
FOWLER, FREDERICK NEWTON, JR. . . . .	I.	'02	237 Walnut St., Springfield, Mass.
FOWLER, THEODORE VICTOR, JR., Σ.X. . . . .	II.	'02	89 Hodge Ave., Buffalo, N. Y.
FOX, WILLIAM HENRY . . . . .	IV.	'99	Lowell, Mass.
FRANKLIN, DUNCAN ROGERS . . . . .	V.	'02	153 Foster St., Brighton, Mass.
FRANKLIN, RALPH STOWELL . . . . .	VI.	'02	47 Prospect St., Melrose, Mass.
FRAZER, ROBERT, JR., Δ. Ψ. . . . .	IX.	'00	209 S. 3d St., Philadelphia, Pa.
FRAZIER, LORON DARLING, JR. . . . .	IV.	S.	23 Winslow Ave., W. Somerville.
FREEMAN, FREDERICK WILLIAM, Δ.K.E. . . . .	III.	S.	258 Mt. Vernon St., West Newton.
FRENCH, GEORGE HENRY . . . . .	VI.	'02	81 Circular Ave., Pittsfield, Mass.
FRENCH, PHILIP ROLAND . . . . .	V.	S.	36 Magnolia St., Roxbury, Mass.
FRIEND, ALFRED WILLIAM . . . . .	VI.	'02	Manchester, Mass.
FRINK, FRANCIS GUY . . . . .	XIII.	'01	Seattle, Wash.
FRINK, GERALD . . . . .	II.	'00	604 30th Ave., S. Seattle, Wash.
FROST, RICHARD LINCOLN . . . . .	II.	'02	Lincoln St., Waltham, Mass.
FRUIT, JOHN CLYDE . . . . .	IV.	'02	136 S. 13th St. La Crosse, Wis.
FULTON, WILLIAM HOWARD . . . . .	VI.	'00	Chelmsford, Mass.
GAGE, FRANK DE MERITTE . . . . .	XI.	S.	Bradford, Mass.
GALAHUE, FRANCIS BRISBANE . . . . .	II.	'02	892 Essex St., Lawrence, Mass.
GALE, GARDNER MANNING . . . . .	IV.	'99	Olean, N. Y.
GALLAGHER, EDWARD GERALD . . . . .	VI.	'00	146 Concord St., So. Framingham.

NAME AND FRATERNITY.	COURSE.	CLASS.	HOME ADDRESS.
GALLUP, ANNA BILLINGS . . . . .	VII.	'01	Ledyard, Conn.
GANNETT, FARLEY . . . . .	XI.	'02	1881 3d St., Washington, D. C.
GARDNER, CHARLES FRANCIS . . . .	VI.	'02	31 Glenwood St., Brockton, Mass.
GARDNER, STEPHEN AYRAULT, JR. .	II.	'02	Bulkeley Sq., New London, Conn.
GARDNER, STEPHEN FRANKLIN . . .	II.	'00	401 Charles St., Boston, Mass.
GARRETT, WILLIAM WARREN . . . .	III.	'01	99 Inman St., Cambridge <sup>t</sup> , Mass.
GARVIN, JOSEPH ALOYSIUS . . . . .	IV.	S.	Memphis, Tenn.
GASKILL, CHARLES SUTTER . . . . .	II.	S.	Mt. Holly, N. J.
GATES, THAYER PRESCOTT . . . . .	V.	'02	400 E. Merrimack St., Lowell.
GATZENMEIER, ALFRED ROBERT CARL	I.	S.	20 Sherman St., Newport, R. I.
GAUSS, CARL FREDERICH . . . . .	IX.	'00	58 Lake View Ave., Cambridge.
GEILFUSS, CARL . . . . .	IV.	'02	122 Fulton St., San Francisco, Cal.
GEORGE, WILLIAM LEIGH . . . . .	III.	'02	Norfolk House, Roxbury, Mass.
GERBER, ELMER LOUIS, S. A. E. . .	IV.	S.	1632 E. 5th St., Dayton, Ohio.
GIBBS, GEORGE CROCKER, 3D . . . .	I.	'00	176 Pleasant St., New Bedford.
GIFFORD, RALPH PERCY . . . . .	II.	'02	39 Hawthorne St., Lynn, Mass.
GILLSON, CHARLES BURTON, A. T. A.	X.	'99	1554 Oak Ave., Evanston, Ill.
GILMORE, JOHN BYERS . . . . .	I.	S.	128 Haskell St., Clinton, Mass.
GILPIN, RUSSELL . . . . .	II.	'99	1304 Brown St., Wilmington, Del.
GILSON, HENRY ROBBINS . . . . .	II.	'00	Groton, Mass.
GLADDING, JOHN THOMAS FISKE . .	II.	S.	573 Potters Ave., Providence, R. I.
GLEASON, ETHEL AUGUSTA . . . . .	IX.	'01	12 Ruthven St., Roxbury, Mass.
GLOVER, GEORGE CURTIS . . . . .	IV.	'99	Melrose Highlands, Mass.
GLOVER, RUSSEL HENRY, X. F. . . .	III.	'00	Harrington, Me.
GOLDENBERG, MAURICE . . . . .	IV.	'02	391 Meridian St., East Boston.
GOLDTHWAITE, HARRY WALES . . . .	II.	'99	19 Bigelow St., Brighton, Mass.
GONZALEZ, ALBERTO PRIMITIVO . . .	III.	S.	Monterey, Mexico.
GOODRICH, ROBERT R. . . . .		S.	72 Westland Ave., Boston.
GOODRIDGE, FREDERICK STANLEY . .	II.	'00	101 High Rock Ave., Lynn, Mass.
GOODWIN, CHARLES CARROLL . . . .	XIII.	'02	94 Chestnut St., Rochester, N. Y.
GORFINKLE, EMANUEL . . . . .	VI.	'01	164 Walnut St., Chelsea, Mass.
GOWELL, LOUIS NELSON . . . . .	IV.	S.	Weston, Mass.
GRAFF, SHELDON DERMITT . . . . .	II.	S.	Edgewood Park, Pa.
GRANT, HARRY LAMAR, A. K. E. . .	XIII.	'00	520 Greenup St., Covington, Ky.
GRANT, KENNETH CROTHERS . . . .	I.	'02	8 Bay View Ave., Newport, R. I.
GRAVES, HAROLD SYMMES . . . . .	IV.	S.	68 Ashland St., Medford, Mass.
GRAVES, HENRIETTA LOUISA . . . .		S.	107 Russell St., Waltham, Mass.
GRAY, GRETA . . . . .	IV.	'01	3 S. Auburn Ave., Cincinnati, O.
GREELEY, WILLIAM ROGER . . . . .	IV.	'02	Lexington, Mass.
GREEN, HENRY LINCOLN, A. P. . . .	XI.	'02	3 Richmond Court, Brookline.
GREENE, BERTRAM W. B., A. P. . . .	VII.	S.	50 rue Bassano, Paris, France.
GREENMAN, BESSIE . . . . .		S.	Mystic, Conn.
GREER, HERBERT CHESTER . . . . .	III.	'99	New Castle, Pa.
GRIFFIN, ALLEN T. . . . .	V.	'01	45 Bell Rock, Malden, Mass.
GRIFFIN, ARTHUR EUGENE . . . . .		S.	Winthrop, Mass.
GROSVENOR, ASA WATERS, B.S., P. T.	II.	'99	Amherst, Mass.
GROVER, FREDERICK WARREN . . . .	VIII.	'99	16 Grover St., Lynn, Mass.
GUSTAFSON, GUSTAF EDWARD . . . .	I.	'01	28 Jackson St., Campello, Mass.

NAME AND FRATERNITY.	COURSE.	CLASS.	HOME ADDRESS.
HADCOCK, EDWARD WEBSTER . . .	I.	'02	2702 Washington St., Roxbury.
HAINES, WILLIAM MORRIS . . .	VI.	S.	Linwood, Md.
HALEY, DENNIS FREDERICK . . .	III.	'01	48 Blossom St., Lowell, Mass.
HALL, ARTHUR PARKER . . .	VI.	'02	3 Cordis St., Charlestown, Mass.
HALL, GEORGE ANTHONY . . .	IX.	'00	30 Exeter St., Boston, Mass.
HALL, MILTON WESTON, A. K. E. . .	VII.	'00	Evanston, Ill.
HALL, STEPHEN MINARD . . .	VI.	'00	427 Park Ave., Waverly, N. Y.
HAMBLET, ABEL MARTIN . . .	V.	'02	120 Federal St., Salem, Mass.
HAMILTON, ARTHUR LITTLE . . .	III.	S.	45 Forest St., Fond du Lac, Wis.
HAMLEN, HARRY HOWARD, Z. F. . .	VI.	S.	20 Pleasant St., Augusta, Me.
HAMMOND, CLIFFORD ROBSON, S. X.	VI.	'00	294 Penna. Ave., Buffalo, N. Y.
HAMMOND, EDWARD HOSMER, F. B. E.	V.	'99	57 Lake Ave., Newton Cen., Mass.
HAMMOND, EDWIN WALDEN . . .	I.	'00	612 First Ave., Asbury Pk., N. J.
HAMMOND, LESTER CLARK . . .	I.	'02	Kingston, Mass.
HANSEN, AUGUST ERNST . . .	IV.	'02	Viersen, Germany.
HANSEN, PAUL . . .	XI.	'02	704 7th St., N. W., Wash., D. C.
HANSON, HARRY CHRISTIAN . . .	II.	S.	72 Munroe St., Roxbury, Mass.
HAPGOOD, CYRUS HOWARD, A. T. . .	VI.	'00	484 Broadway, Everett, Mass.
HARAHAN, JAMES THOMAS, JR., S. X.	II.	S.	5119 Jefferson Ave., Chicago, Ill.
HARDY, CHARLES ASHLEY, A. B. . .	III.	'00	Auburndale, Mass.
HARKNESS, ARTHUR FULLER . . .	I.	'02	Walpole, Mass.
HARPS, HARRY MACY . . .	I.	'00	Nantucket, Mass.
HARRIS, CHARLES HARDY . . .	VI.	'01	17 Sawin St., Natick, Mass.
HARRIS, GEORGE LOURIE . . .	I.	S.	Hopedale, Mass.
HARRIS, WILSON PARK . . .	VII.	'02	125 St. Mark's Av., Brooklyn, N. Y.
HARRISON, ALFRED WILLIAM, F. F. A.	III.	S.	210 W. Lake St., Minn'polis, Minn.
HARRISON, RICHARD CARTER . . .	V.	S.	Braintree, Mass.
HASBROUCK, ROSS . . .	I.	'99	70 Market St., Poughkeepsie, N. Y.
HASELTON, BARTON, S. X. . .	II.	S.	118 W. Garden St., Rome, N. Y.
HASKELL, ALBERT ADAMS . . .	V.	'02	Essex, Mass.
HAWKINS, LAWRENCE A., B. A., O. A. X.	VI.	'99	Pittsfield, Mass.
HAWORTH, LLOYD BACHELDER . . .	II.	'02	43 Columbus Ave., Lowell, Mass.
HAYDEN, ARTHUR GUNDERSON . . .	I.	'01	68 Baynes St., Buffalo, N. Y.
HAYDEN, DAVID HOMER . . .	IV.	S.	539 Mass. Ave., Boston, Mass.
HAYNES, HEBER NEWTON . . .	V.	'01	211 Essex St., Lawrence, Mass.
HAZELTINE, BENJAMIN PRESCOTT, JR.	VI.	'99	Belfast, Me.
HAZELWOOD, SUMNER . . .	I.	S.	161 Allen Ave., Lynn, Mass.
HEALEY, HARRY RAYMOND . . .	X.	'01	11 Wyoming St., Roxbury, Mass.
HECKLE, GEORGE ROGERS . . .	III.	S.	55 Moreland St., Roxbury, Mass.
HEGHINIAN, GARABED GEORGE, A. B.	I.	S.	Marash, Turkey.
HEINRITZ, WALTER JOHN . . .	II.	S.	58 Pearl St., Clinton, Mass.
HENDERSON, REUBEN STEWART, B. S.	I.	'99	Olentangy, Ohio.
HENNE, ERNST . . .	IV.	'02	589 La Salle Ave., Chicago, Ill.
HENRICH, EDWARD GEORGE . . .	IV.	S.	69 Northampton St., Buffalo, N. Y.
HENRICH, LOUIS RICHARD . . .	IV.	'01	69 Northampton St., Buffalo, N. Y.
HERBERT, EDWARD . . .	VI.	'99	Broad Run, Va.
HERING, ARDO, A. K. E. . .		'02	100 Williams St., New York, N. Y.
HERMAN, BERNARD . . .	I.	'99	738 7th St., N. W., Wash., D. C.

NAME AND FRATERNITY.	COURSE.	CLASS.	HOME ADDRESS.
HERMANS, FRANK EDWARD . . .	I.	'99	400 Broadway, Denver, Col.
HERN, JOSEPH LOUIS . . .	VI.	'99	34 Sidney St., Dorchester, Mass.
HERSCHEL, ARTHUR HOBART . . .		S.	322 Harvard St., Cambridge, Mass.
HERVEY, ELMER MERRILL . . .	VI.	'02	8 Humphreys Sq., Dorch'r, Mass.
HEWITT, HENRY H., A.B., B. O. II. . .	IV.	'99	5828 Woodlawn Ave., Chicago, Ill.
HICKEY, CHARLES HENDEE . . .	VI.	'02	36 Evans St., Mattapan, Mass.
HIGGINS, ALBERT WILLIS . . .	X.	'01	38 Woodbine St., Aub'rnd'le, Mass.
HILDRETH, EDWARD THEODORE . . .	V.	S.	
HILKEN, PAUL GERHARD L. . . .	II.	S.	133 W. Laurale St., Baltim're, Md.
HILL, BEULAH CHAPIN . . . .	VIII.	'02	107 King St., Dorchester, Mass.
HILLS, HAROLD FELLOWS . . . .	I.	S.	302 Nesmith St., Lowell, Mass.
HINCKLEY, BENJAMIN STEARNS . . .	II.	'99	Woburn, Mass.
HINCKLEY, EVERETT HALE . . . .	X.	'99	Hyannis, Mass.
HINMAN, DEAN . . . . .	I.	'99	158 Williams St., Taunton, Mass.
HINMAN, WALTER HIBBARD . . . .	X.	S.	29 Albano St., Roslindale, Mass.
HIROKAWA, TOMOKICHI, B.S. . . .	VI.	'00	Imabari, Japan.
HIRT, JULES HECTOR . . . . .	III.	S.	Grove St., Brookline, Mass.
HOBBS, EDITH MORRILL . . . . .		S.	102 Thornton St., Roxbury, Mass.
HODGDON, HARRY AUGUSTINE . . .	II.	'01	12 Pearl St., E. Somerville, Mass.
HODSDON, CHARLES WENTWORTH . .	II.	'00	48 Allston St., Cambridgeport.
HOGLE, MILTON WARD . . . . .	II.	'01	33 Linden St., Rochester, N. Y.
HOGUE, CHESTER JAMES . . . . .	IV.	S.	115 14th St., Portland, Ore.
HOLBROOK, GEORGE MYRON . . . .	V.	'00	116 Chestnut St., Cambridgeport.
HOLDEN, AMASA AMIDON . . . . .	IX.	'99	72 West Cedar St., Boston, Mass.
HOLFORD, WILLIAM GORDON . . . .	IV.	'01	Hazardville, Conn.
HOLLIDAY, ALEXANDER RIEMAN, X.Φ.	I.	S.	1121 N. Meridan St., Indianapolis.
HOLLIS, CHARLES BERTRAM . . . .	III.	'02	Natick, Mass.
HOLMES, ARCHIBALD RETTIE, B.E. .	I.	S.	Hantsport, N. S.
HOLMES, VALDEMAR FRANK . . . .	V.	'01	Copenhagen, Denmark.
HOLT, MARY ABBOT . . . . .	VII.	S.	North Norway, Me.
HOOKE, HENRY KEENE . . . . .	VI.	'02	Wellesley Hills, Mass.
HOOPER, FANNY . . . . .	VII.	S.	49 Beacon St., Boston, Mass.
HOOPER, HARRIS GREENWOOD . . .	XIII.	'00	494 3d St., Brooklyn, N. Y.
HOPEMAN, BERTRAM CORNELIUS . .	IV.	'00	39 Lake View Pk., Roch'er, N. Y.
HOPKINS, ROBERT MILNE . . . . .	VI.	'00	610 Cambridge St., Allston, Mass.
HOPWOOD, CORA STELLA . . . . .	VIII.	'00	205 Austin St., Worcester, Mass.
HORNE, LEWIS WINSLOW . . . . .	XIII.	'01	68 Hawthorne St., Malden, Mass.
HORR, JOHN WINSLOW, Δ. T. . . .		'02	131 Naples Road, Brookline, Mass.
HORSEY, BURTON TUTTLE, Δ. T. Δ. .	II.	S.	143 Park Ave., Utica, N. Y.
HORSTMAN, WILLIAM HENRY . . . .	IV.	S.	3610-A 9th St., St. Louis, Mo
HORTON, FRANK NELSON . . . . .	II.	S.	Southbridge, Mass.
HOUGH, WILLIAM BALDWIN, Δ. T. .	II.	S.	705 W. 3d St., Williamsport, Pa.
HOUNSFIELD, LAMMOT DU PONT, Φ.B.E.	X.	'01	Anchorage, Ky.
HOUSE, HERBERT BISSELL . . . .	I.	'02	South Manchester, Conn.
HOVEY, CHANDLER, Δ. Ψ. . . . .	VI.	'02	220 Walnut St., Brookline, Mass.
HOWE, HERBERT HOLMES . . . . .	IX.	'00	21 Harvard Ave., Brookline, Mass.
HOWES, EDWARD TOWNSEND, Δ. Ψ. .	IV.	'01	Stamford, Conn.
HUBBARD, WILLIAM HENRY . . . .	V.	S.	Charleston, S. C.

NAME AND FRATERNITY.	COURSE.	CLASS.	HOME ADDRESS.
HUDSON, HENRY NORMAN . . . .	II.	S.	12 Lee St., Cambridge, Mass.
HUFF, MONTGOMERY GERRANS . .	II.	S.	Manchester, Vt.
HULL, FLOYD BYRON . . . . .	VI.	'01	Adrian, Mich.
HUNT, HARRY LEIGH . . . . .	VI.	S.	Willimantic, Conn.
HUNT, HERMAN REYNOLDS . . . .	XIII.	'00	108 Court St., New Bedford, Mass.
HUNT, HOWARD NELSON . . . . .	II.	'02	55 Carleton St., Newton, Mass.
HUNTER, FREDERICK HUSTON . . .	IV.	'02	South Natick, Mass.
HUSE, FRANK JAMES . . . . .	II.	S.	1715 Orrington Ave., Evanston, Ill.
HUSSEY, JAMES WHITTLESEY . . .	XIII.	'00	1531 Cherry St., Toledo, Ohio.
HUTCHINSON, JOHN ALBERT . . .	VI.	'01	North Evans, N. Y.
HYDE, AUSTIN TABER . . . . .	X.	'01	33 Harris St., Waltham.
INGALLS, FREDERICK DU BOIS . .	II.	S.	679 Broadway, Kingston, N. Y.
ISAACS, IRVING CORNELIUS . . . .	IV.	S.	4336 Grand Boulevard, Ch'go, Ill.
ISHAM, ALONZO KEYT, S. A. E. . .	II.	S.	849 Oak Ave., Cincinnati, Ohio.
JACKSON, ARTHUR ADAMS . . . . .	I.	'02	Brockton, Mass.
JACKSON, JEROME PAUL, A.B., A. A. Φ.	IV.	'99	Swampscott, Mass.
JACKSON, GEORGE OTIS . . . . .	III.	S.	Lexington, Mass.
JAMES, HENRY PHILIP . . . . .	II., VI.	'99	Kendall Green, Mass.
JEFFORDS, ALEXANDER HAY BRAND .	II.	S.	2027 Walnut St., Philadelphia, Pa.
JENKINS, DAVID JOHN, M.E. . . .	VI.	S.	Steelton, Pa.
JENNINGS, LEVI BROWN . . . . .	I.	'00	Newton Lower Falls, Mass.
JENSON, HANS PETER . . . . .	I.	'99	Tottenville, N. Y.
JEWETT, ARTHUR CRAWFORD . . .	II.	'01	1835 Superior St., Toledo, Ohio.
JILLSON, DOUGLAS CONDÉ, X. Φ. . .	II.	S.	1421 Delaware St., Ind'apolis, Ind.
JOHNSON, CARL FRANCIS . . . . .	II.	S.	67 Westland Ave., Boston, Mass.
JOHNSON, CHARLES CHAPLIN . . .	X.	'00	Danversport, Mass.
JOHNSON, DANIEL STEWART . . . .	III.	S.	Short Hills, N. J.
JOHNSON, EDWARD, JR. . . . .	I.	'99	178 Marlboro St., Boston, Mass.
JOHNSON, HARRY GEORGE, Φ. B. E. .	V.	'99	Auburndale, Mass.
JOHNSON, HORACE . . . . .	V.	'01	61 Federal St., Newb'yport, Mass.
JOHNSON, LANE . . . . .	II.	'99	338 Olive St., Kansas City, Mo.
JONES, FREDERICK HOOPER . . . .	V.	'99	Cambridge, Mass.
JONES, JOHN LARRABEE . . . . .	VI.	'02	853 Forest Ave., Deering, Me.
JOUETT, HENRY DETRICK, Δ. T. Δ. .	I.	'00	37 Chester St., Somerville, Mass.
JUDSON, HOWARD CAMPBELL . . . .	II.	'02	163 Elm St., Holyoke, Mass.
KATTELLE, WALTER ROBY . . . . .	IV.	'00	205 Grove St., Auburndale, Mass.
KAUFMAN, LEWIS ROGERS . . . . .	IV.	'02	1609 4th Ave., Louisville, Ky.
KEAY, HERBERT ORESTES . . . . .	II.	'00	Kingston, N. H.
KEITH, LEIGH SHELTON . . . . .	VI.	'00	North Easton, Mass.
KELLEY, WILL GHOST . . . . .	VI.	'01	914 No. 6th St., Burlington, Iowa.
KELLEY, WINGATE . . . . .	I.	S.	17 Grant St., Haverhill, Mass.
KELLOGG, CHARLES WETMORE, JR., Δ. Ψ.	VI.	'02	Brookline, Mass.
KENDALL, ARTHUR ISAAC . . . . .	VII.	'00	388 Broadway, Somerville, Mass.
KENDALL, FRÉDERIC MORRIS . . . .	IV.	S.	Framingham, Mass.
KENNARD, WILLIAM OLIVER . . . .	VI.	S.	27 Everett St., Everett, Mass.
KENNEDY, HERBERT HARLEY, Z. Ψ. .	VI.	'01	South Framingham, Mass.
KENNEDY, RONALD, S. X. . . . .	VI.	'02	Hilo, H. I.
KEOUGH, WILLIAM THOMAS, S.B. . .	XIII.	S.	234 Saratoga St., E. Boston, Mass.

NAME AND FRATERNITY.	COURSE.	CLASS.	HOME ADDRESS.
KEYS, HARRY MONTIFIX . . . . .	VI.	'99	Linden, Md.
KIMBALL, EDWIN ELLIOT . . . . .	VI.	'02	Salt Lake City, Utah.
KIMBALL, FRED LOUIS HOLT . . . . .	III.	'99	Newton Lower Falls, Mass.
KIMBALL, RALPH ELMORE . . . . .	I.	'02	25 Lovers' Leap Av., Lynn, Mass.
KING, WILLIAM BRAMAN . . . . .	VI.	'99	11 Merlin St., Dorchester, Mass.
KINGMAN, WILLIAM ALDEN . . . . .	V.	'99	South Framingham, Mass.
KINGSBURY, NOAH JACKSON . . . . .	I.	'02	Braintree, Mass.
KINGSMAN, WILLIAM ABBOT . . . . .	II.	'99	24 Church St., Salem, Mass.
KNIGHT, ELLIOT WALKER . . . . .	III.	'02	45 No. Beacon St., Allston, Mass.
KNIGHT, GEORGE WASHINGTON . . . . .	V.	'00	38 Rosseter St., Dorchester, Mass.
KNIGHTS, CHARLES FOX . . . . .	II.	'02	Melrose, Mass.
KNOX, KING HARDING, S. A. E. . . . .	VI.	'01	320 Church St., Baton Rouge, La.
KOCH, HARRY GEORGE, X. F. . . . .	IV.	'01	199 25th St., Milwaukee, Wis.
LAINE, WILLIAM BREWSTER . . . . .	IV.	S.	Atlanta, Ga.
LANE, FRANK GEORGE, S. A. E. . . . .	II.	'01	259 Vaugham St., Portland, Me.
LANE, WILLIAM THOMAS, A. T. O. . . . .	II.	'01	259 Vaugham St., Portland, Me.
LANGE, THEODORE FERDINAND . . . . .	I.	S.	29 King St. Av., Springfield, Mass.
LANGFORD, GRACE . . . . .	VIII.	'99	Chiltonville, Plymouth, Mass.
LARRABEE, HAROLD DAVIS . . . . .	VI.	'02	Bennington, Vt.
LARRABEE, JOHN HEBER . . . . .	I.	S.	34 Foster St., Melrose, Mass.
LATHROP, FRED HASKINS . . . . .	I.	S.	15 Oak St., Charlestown, Mass.
LATSHAW, WILLIAM HERBERT MORSE . . . . .	V.	'02	411 W. 13th St., Pueblo, Col.
LAWRENCE, AMOS AMORY, A.B. . . . .	IV.	S.	59 Commonwealth Ave., Boston.
LAWRENCE, ELLIS FULLER . . . . .	IV.	'01	59 High St., Charlestown, Mass.
LAWRENCE, LEWIS MORSE . . . . .	IV.	'00	Nashua, N. H.
LAWS, JAMES BRADFORD, A. P. . . . .	IX.	'01	3003 Reading Road, Cincinnati, O.
LEACH, ROBERT HOWLAND . . . . .	III.	'00	28 W. Elm St., Brockton, Mass.
LEARY, CHARLES ARTHUR . . . . .	II.	S.	79 Charles St., Waltham, Mass.
LEEDS, CHARLES TILESTON . . . . .	IV.	'00	Newton, Mass.
LEIPER, JAMES GERHARD, JR. . . . .	II.	'99	1602 Master St., Philadelphia, Pa.
LENNAN, THOMAS FRANK . . . . .	V.	'99	Belmont, Mass.
LEONARD, CLIFFORD MILTON, A. T. A. . . . .	I.	'00	2501 Michigan Ave., Chicago, Ill.
LEONARD, JOHN KELLEY . . . . .	XI.	'02	3 Webster Ave., Allston, Mass.
LEONARD, LOUIS ROUSSY . . . . .	IV.	S.	913 Dorchester Ave., Dorchester.
LEWIS, CLANCEY MONTANA . . . . .	III.	'99	Ketchum, Idaho.
LEWIS, HORTENSE WITTER, A.B. . . . .	V.	S.	Mount Vernon, N. Y.
LEWIS, JOHN FELLOWS . . . . .		S.	W. Coxsackie, N. Y.
LEWIS, JOSEPH ELLIOT . . . . .	II.	'99	Charlemont, Mass.
LEWIS, RONDEL . . . . .	V.	'00	21 Hillside Ave., Malden, Mass.
LEWIS, WILLIAM REMSEN . . . . .	I.	'02	33 Young St., Newport, R. I.
LILIENCRANTZ, EDITH . . . . .	IV.	'00	359 Telegraph Ave., Oakland, Cal.
LINCOLN, CHAS. THAYER . . . . .	V.	'01	47 St. Botolph St., Boston.
LINCOLN, FRANCIS CHURCH . . . . .	III.	'00	47 St. Botolph St., Boston.
LINGLEY, ROBERT ROSS . . . . .	II.	'00	28 Ash St., Cambridge, Mass.
LITTLE, ARTHUR . . . . .	V.	'01	Newbury, Mass.
LITTLE, JAMES LOWELL, JR., A.B. . . . .	IV.	S.	Brookline, Mass.
LITTLEFIELD, ARTHUR STEVENS . . . . .	XI.	'02	Winchester, Mass.
LITTLEFIELD, FRANK WILLIAM . . . . .	III.	'00	62 Franklin St., Peabody, Mass.

NAME AND FRATERNITY.	COURSE.	CLASS.	HOME ADDRESS.
LITTLEFIELD, HOMER . . . . .	VI.	'00	1813 3d Ave., Watervliet, N. Y.
LITTLEFIELD, ROBERT STANLEY . .	XIII.	'01	321 Broadway, Somerville, Mass.
LLOYD, GEORGE HAMILTON . . . .	II.	'02	Arlington, Mass.
LOCKE, GEORGE ELLIS . . . . .	II.	'02	Winchester, Mass.
LOCKETT, KENNETH . . . . .	II.	'02	44 East 50th St., Chicago, Ill.
LOHBILLER, HARRY JOHN . . . . .	II.	S.	21 Cranston St., Jamaica Pl., Mass.
LOMBARD, ALBERT EATON, Δ. K. E. .	I.	'02	1805 Jefferson St., Kansas City, Mo.
LONG, HARRY POLLARD . . . . .	II.	'02	Sharon, Mass.
LONG, JOHN WILLIAM . . . . .	II.	S.	71 Moulton St., Charlestown, Mass.
LOOMIS, ALLEN, Ψ. T. . . . .	XIII.	'99	Jackson, Mich.
LORING, CONRAD, Δ. T. Δ. . . . .	II.	'99	1731 Br'dway, San Francisco, Cal.
LORING, RALPH STODDLEY . . . .	I.	'01	78 Highl'd Ave., Somerv'le, Mass.
LOUD, RALPH WHITE . . . . .	I.	'99	Weymouth, Mass.
LOVEMAN, LEE ROSENBERG . . . .	VI.	'99	312 Euclid Ave., Nashville, Tenn.
LOW, DAVID . . . . .	S.		3 Angle St., Gloucester, Mass.
LOWE, RUSSELL BRYANT, Δ. Ψ. . .	IX.	'02	Fitchburg, Mass.
LUNAN, THOS. MASON . . . . .	V.	'01	Andover, Mass.
LUNDIN, LAURA MARIE . . . . .	VIII.	'01	613 Putnam Ave., Cambridgeport.
LUTTIES, OTTO GERHARD . . . . .	II.	'00	328 E. 15th St., New York, N. Y.
MCALLEP, JAMES ALBERT, Σ. A. E. .	VI.	'01	Eastport, Me.
MCCARTHY, CHARLES EMMET . . . .	X.	'02	Haverhill, Mass.
MCCREA, ALMERON WALLACE, B. S. .	IV.	'99	1661 Blair St., St. Paul, Minn.
MCCRUDDEN, FRANCIS HENRY . . .	V.	'00	134 Castle St., Boston, Mass.
MCDANIEL, ALLEN BOYER . . . . .	IV.	'01	Newton Centre, Mass.
MCDONALD, HARRY PEAKE, JR. . .	I.	'01	318 W. Chestnut St., Louisv'le, Ky.
MCDONNELL, THOMAS FRANCIS . . .	IV.	'02	Buffalo, N. Y.
MACE, CHARLES AUSTIN . . . . .	V.	'01	19 Ashland St., Dorchester, Mass.
MCCLENAHAN, WALTER . . . . .	V.	S.	Port Deposit, Md.
MCGAWN, JOHN FREDERICK . . . .	II.	S.	45 Putnam St., Somerville, Mass.
MCGOWAN, FRANCIS XAVIER . . . .	II.	'00	14 Berkeley St., Lawrence, Mass.
MCINNES, AUGUS ARCHIE . . . . .	I.	S.	23 Salcombe St., Dorchester, Mass.
MCINTOSH, JAMES WILLIAM . . . .	II.	S.	60 Sheridan St., Jamaica Plain.
MCINTYRE, FREDERICK WILLIAM . .	II.	S.	Thirty-second St., Chelsea, Mass.
MCKECHNIE, BENJAMIN EDWARD . .	IV.	'02	66 Bird St., Dorchester, Mass.
MCMASTER, JENNIE KIRBY . . . .	IV.	S.	52 Pride St., Pittsburg, Pa.
MCTAUGHTON, ERNEST BOYD . . .	XIII.	'02	Cambridge, Mass.
MCNEIL, HECTOR . . . . .	I.	S.	29 Stanley St., Dorchester, Mass.
MACINTIRE, BENJAMIN GOULD . . .	V.	'00	80 Worcester St., Boston, Mass.
MACLEOD, GRACE . . . . .	V.	'01	146 Mt. Auburn St., Cambridge.
MACMASTER, HERBERT MILTON, Δ. T.	VI.	S.	Portland, Oregon.
MACPHERSON, HERBERT A., Δ. K. E. .	XIII.	'00	20 Garden St., Medford, Mass.
MADDUX, LEWIS JORDAN . . . . .	S.		Newport, Ky.
MADERO, ALBERTO . . . . .	II.	S.	Parras-Coahuila, Mexico.
MADERO, ALFONSO . . . . .	I.	S.	Parras-Coahuila, Mexico.
MADERO, EMILIO . . . . .	I.	S.	Parras-Coahuila, Mexico.
MADERO, SALVADOR SILVESTRE . . .	III.	S.	Parras-Coahuila, Mexico.
MADGEBURG, FREDERICK WILLIAM .	IV.	S.	Ashland, Pa.
MAGEE, GUY, JR., Σ. X. . . . .	XI.	S.	2646 Magnolia Ave., Chicago, Ill.

NAME AND FRATERNITY.	COURSE.	CLASS.	HOME ADDRESS.
MAGRANE, PATRICK HENRY . . . . .	I.	'02	Lynn, Mass.
MAGUE, FRANCIS JOSEPH . . . . .	I.	S.	West Newton, Mass.
MAHAR, JAMES JOSEPH . . . . .	II.	'01	68 L St., So. Boston, Mass.
MANLEY, HENRY, JR. . . . .	V.	'02	Mt. Vernon St., W. Roxbury, Mass.
MANLEY, SUMNER MARSHALL . . . .	II.	S.	Brockton, Mass.
MANNING, CHAUNCEY PERCIVAL . . .	II.	'02	Marlboro, Mass.
MANSFIELD, WILLIAM BURNS . . . .	III.	'02	26 Cumberland St., Boston, Mass.
MANSON, EDMUND SEWALL, JR., S.M.	VI.	S.	7 Holiday St., Dorchester, Mass.
MARA, SUSAN LOUISE . . . . .	IX.	S.	93 Pembroke St., Boston, Mass.
MARCUS, HENRY CHARLES . . . . .	III.	'01	Menlo Park, Cal.
MARSH, GEORGE EVERETT, JR. . . .	VIII.	'01	Georgetown, Col.
MARSHALL, HARRY HALE . . . . .		'02	South Framingham, Mass.
MARTIN, CHARLES EVERETT . . . . .	IV.	'01	Antrim, N. H.
MARTIN, WALTER IRVING, Ψ. T. . . .	I.	'01	2600 Michigan Ave., Chicago, Ill.
MARVIN, JOHN REGINALD . . . . .		S.	88 Perry St., Brookline, Mass.
MASON, FRANK HENRY . . . . .	XI.	'02	East Lexington, Mass.
MATHER, GEORGE EVERETT . . . . .	I.	'02	West Brattleboro, Vt.
MATHESON, WILLIAM SCOTT . . . . .	II.	'99	Tatamagouche, N. S.
MATTEOSSIAN, ZENAS NERSES, A.B.	IV.	'02	Constantinople, Turkey.
MAXFIELD, DANIEL ELLWOOD . . . .	II.	'00	Amesbury, Mass.
MAXSON, HARRY WESCOTE . . . . .	IV.	S.	128 Main St., Westerly, R. I.
MAY, HERBERT SCHAW . . . . .	II.	'02	28 Alveston St., Jamaica Plain.
MAYHEW, HAROLD BAKER . . . . .	I.	'00	West Tisbury, Mass.
MAYO, ROBERT J. . . . .	II.	'02	3727 Locust St., Philadelphia, Pa.
MEAD, GEORGE HOUK, B.L. . . . .	II.	S.	Dayton, Ohio.
MELCHER, ARTHUR CLARKE . . . . .	V.	'00	58 Buren St., Newton Centre, Mass.
MENDENHALL, BYARD WILLIAM . . . .	VI.	'02	Springville, Utah.
MERRICK, CHARLES VAN, Δ. K. E. . .	IV.	'00	1008 S. Salina St., Syracuse, N. Y.
MERRICK, FREDERICK ICHES, X. Φ. .	IV.	S.	1435 Third Av., New Brighton, Pa.
MERRILL, ALBERT SIDNEY . . . . .	X.	'00	20 Ellis Ave., Malden, Mass.
MERRILL, LESLIE EATON . . . . .	II.	'00	48 Highland Ave., Haverhill, Mass.
MESSINGER, HARRY CARLETON . . . .	VII.	S.	36 Vine St., E. Providence, R. I.
MILLAR, LESLIE WALKER, Σ. A. E. .	XIII.	'01	116 W. Concord St., Boston, Mass.
MILLER, BENJAMIN . . . . .	VI.	'01	7 East 8th St., Cincinnati, Ohio.
MILLER, FRED OREN . . . . .	VI.	'02	Madisonville, Ohio.
MILLER, LEWIS ARTHUR . . . . .	I.	'00	North Easton, Mass.
MILLER, LESTER FREEMAN, Σ. A. E. .	IV.	'01	Pepperell, Mass.
MILLER, STUART BERWICK . . . . .	X.	'00	Hancock St., Cambridgeport, Mass.
MILLER, THEODORE GAZLAY, Δ. Ψ. .	II.	'00	910 Wayne St., Sandusky, Ohio.
MILLIKEN, CARL SPENCER . . . . .	VII.	'99	414 Salem St., Malden, Mass.
MITCHELL, FRANK KELLOCK . . . . .	X.	'01	53 Oak St., Hyde Park, Mass.
MITCHELL, GEORGE LE ROY, B.S. . .	VI.	'01	Kirkwood, Ill.
MIXTER, CHARLES GALLOUPE, Δ. Ψ. .	VII.	'02	180 Marlboro' St., Boston, Mass.
MIXTER, WILLIAM JASON, Δ. Ψ. . .	VII.	'02	180 Marlboro' St., Boston, Mass.
MÖLLER, ALBERT VOLTAIRE, Δ. K. E. .	II.	S.	1814 Sealy Ave., Galveston, Texas.
MOLTEDO, HENRY PETER . . . . .	VI.	'02	193 South St., Boston, Mass.
MONAGHAN, JAMES FRANCIS . . . . .	II.	S.	18 Bleachery St., Lowell, Mass.
MONTGOMERY, FRANK PARK . . . . .	VI.	'02	Brunswick, Me.

NAME AND FRATERNITY.	COURSE.	CLASS.	HOME ADDRESS.
MONTGOMERY, ROBERT JAMES . . . .	V.	'01	Bacon St., Natick, Mass.
MOODY, GEORGE BARRELL . . . .	XIII.	'00	214 Broadway, Bangor, Me.
MOORE, CLARENCE ALFRED . . . .	X.	'99	Arlington, Mass.
MOORE, PHILIP WYATT, A. T. . . .	II.	'01	268 Kent St., Brookline, Mass.
MORE, ARTHUR SMITH, A. K. E. . . .	I.	'02	49 Edwards St., Springfield, Mass.
MORGAN, CARL LEON, S. A. E. . . .	VI.	'99	Fitchburg, Mass.
MORGAN, HAROLD LOOMIS . . . .	VI.	'00	7 Lincoln St., Springfield, Mass.
MORK, HARRY SOLOMON, . . . .	V.	'99	21 Wabeno St., Roxbury, Mass.
MORRILL, ROBIE WALTER . . . .	VI.	'02	140 Congress St., Amesbury, Mass.
MORRIS, HENRY CURTIS . . . .	III.	'00	225 Dearborn Ave., Evanston, Ill.
MORRIS, WILLIAM LONGFELLOW . . .	VI.	S.	1309 Kenesaw Ave., Wash'n, D. C.
MORSE, BENJAMIN EAMES . . . .	II.	'99	Canton, Mass.
MORSE, HARRY LEONARD . . . .	II., VI.	'99	9 Whittemore St., W. Roxb'y, Mass.
MORSE, JOHN RUSSELL . . . .	I.	'01	932 N. Main St., Brockton, Mass.
MORSE, WILLARD VAUGHAN . . . .	III.	'02	Monterey, Mexico.
MOTCH, STANLEY, A. Y. . . .	III.	'99	1553 Madison Av., Covington, Ky.
MOTT-SMITH, MORTON CHURCHILL . .	VI.	'99	295 Commonwealth Ave., Boston.
MOULTON, WALTER AUGUSTUS . . .	III.	'00	10 Upland Ave., Dorchester, Mass.
MULLALY, FELIX . . . .	II.	'02	6 Ashmont St., Dorchester, Mass.
MURRAY, RAY, F. B. E. . . .	I.	'01	Pleasant Valley, N. Y.
NAGEL, MORTIMER LIVINGSTON . . .	III.	'02	262 Hudson St., Buffalo, N. Y.
NAGLE, FRANCIS ALOYSIUS . . . .	XIII.	'02	31 Howland St., Roxbury, Mass.
NASH, ARTHUR EDGAR . . . .	X.	'02	Newton Highlands, Mass.
NATHAN, ALBERT FRANKLIN, JR. . .	X.	'99	Kansas City, Mo.
NEALL, NEWITT JACKSON . . . .	VI.	'00	2526 N. 10th St., Philadelphia, Pa.
NELSON, ARTHUR THOMAS . . . .	I.	'02	208 Princeton St., E. Boston, Mass.
NELSON, EDWIN EUGENE . . . .	VI.	'02	85 Manson St., Lowell, Mass.
NESMITH, THOMAS, JR., A. T. A. . .	II.	S.	2 Park St., Lowell, Mass.
NEWELL, LESTER ALLAN . . . .	III.	'99	Southbridge, Mass.
NEWELL, WILLIAM STARK . . . .	XIII	'99	Winchester, Mass.
NEWHALL, ERNEST LEON . . . .	I.	'02	36 Appleton St., Salem, Mass.
NICHOLS, ARTHUR RICHARDSON . . .	IV.	'02	Monson, Mass.
NICHOLS, MARGARET HOMER . . . .	V.	S.	55 Mt. Vernon St., Boston, Mass.
NICHOLS, ROSE S. . . .		S.	55 Mt. Vernon St., Boston, Mass.
NICKERSON, ARTHUR HENRY . . . .	II.	'02	17 High St., Newburyport, Mass.
NILES, WILLIAM AVERY, F. A. P. . .	II.	S.	374 Lennox St., New Haven, Conn.
NIMS, LESTER ALBERT . . . .	I.	'01	234 Court St., Keene, N. H.
NORTH, EDWARD, 2D . . . .	III.	'00	Edgehill Road, Brookline, Mass.
NOYES, HARRIETTE NILES . . . .	VII.	S.	Western Ave., Mattoon, Ill.
NUTTER, ALFRED DE WITT . . . .	I.	'01	28 Shurtleff St., Chelsea, Mass.
NUTTER, HARRY GODFREY . . . .	II.	S.	28 Shurtleff St., Chelsea, Mass.
OBEAR, GEORGE BARROWS . . . .	II.	'02	640 Western Ave., Lynn, Mass.
OBER, JULIUS EDWARD . . . .	V.	'01	748 Tremont St., Boston, Mass.
O'CONNELL, GEORGE PAUL . . . .	I.	'02	188 Hampton St., Holyoke, Mass.
O'CONNOR, ELLEN MARIA . . . .	VII.	S.	88 Elm St., Charlestown, Mass.
ODELL, JOHN RIPLEY . . . .	X.	'02	581 Cass Ave., Detroit, Mich.
O'HANLON, THOMAS JOSEPH, A.B. . .	VI.	S.	Chinook, Mont.
O'HERN, TIMOTHY CYRIL . . . .	X.	'99	43 Cedar St., N. Cambridge, Mass.

NAME AND FRATERNITY.	COURSE.	CLASS.	HOME ADDRESS.
O'LEARY, WILLIAM H. J., A.M.	VI.	'99	Richibucto, N. B.
OLIVARES, GUILLERMO	III.	S.	Mexico City, Mexico.
OLIVER, LESLIE ALLEN, B.A.	IV.	'00	Annapolis, Md.
O'NEILL, JEREMIAH FRANCIS		S.	111 Union Park, Boston, Mass.
OPPENHEIM, ROBERT EMMETT	II.	'00	Hotel Netherlands, New York.
ORDWAY, DANIEL LEIGHTON	V.	'01	11 Gibbs St., Newton Centre, Mass.
OSGOOD, HARRY EDMUND	II.	'00	272 Irving Ave., Chicago, Ill.
OSGOOD, ISAAC	II.	'00	West Newton, Mass.
OXNARD, HORACE WHITCOMB	I.	'00	Norway, Me.
PACKARD, EDWIN AUGUSTUS	II.	'99	Mansfield, Mass.
PAGE, CHARLES BARNARD	XIII.	'99	259 Washington St., Dorchester.
PAGE, NEWELL CALDWELL	VI.	'02	12 Horton St., Newburyp't, Mass.
PALMER, WORTHINGTON, A. K. E.	IV.	S.	282 State St., Albany, N. Y.
PARASCHOS, GEORGE THEOPHANES	I.	'01	Regie des Tabacs, Constantinople.
PARKER, ETHELBERT	II.	'02	24 Shepard St., Cambridge, Mass.
PARKER, WILL ROGERS	VI.	'99	109 Islington St., Portsmouth, N.H.
PARKER, WILLIAM EDWARD	I.	'99	10 Reedsdale St., Allston, Mass.
PARROCK, PERCY HARRY, A. T.	II.	'01	237 Arlington St., Youngstown, O.
PATCH, JAMES ALFRED, A. T.	X.	S.	Stoneham, Mass.
PATCH, NATHANIEL KNIGHT BAILEY	XI.	S.	892 Elmwood Ave., Buffalo, N. Y.
PAUL, CHARLES EDWARD	II.	'00	36 High St., Belfast, Me.
PEARSON, PHILIP COOMBS	V.	'01	7 Pond St., Newburyport, Mass.
PECK, ARTHUR STEARNS	VIII.	'00	Wellington, Mass.
PEMBER, WALTER PURTON ROSS	IV.	'02	Needham, Mass.
PENARD, THOMAS EDWARD	VI.	'00	Paramaribo, D. G., S. A.
PENDERGAST, ROLAND BALL	VI.	'02	5717 Monroe Ave., Chicago, Ill.
PENDILL, PIERRE BARBEAU	VI.	'01	401 N. Front St., Marquette, Mich.
PENNOCK, GEORGE ALGER	II.	'99	Weston, Mass.
PERKINS, ALBERT S.		S.	Hyde Park, Mass.
PERKINS, GEORGE HAWTHORNE	II.	'99	18 Brown St., Salem, Mass.
PERKINS, JOHN MCCLARY, JR.	VI.	'00	Arlington Heights, Mass.
PERRY, CHARLES HORATIO	II.	S.	58 Essex St., Salem, Mass.
PERRY, OLIVER HAZARD, JR.	XIII.	'01	282 Nesmith St., Lowell, Mass.
PERRY, THOMAS DOANE, A.B.	II.	'00	Crete, Nebraska.
PERSONS, ASHTON CLIFFORD	V.	'01	Winsted, Conn.
PETERS, ANTHONY WINFRED	I.	'01	Gould St., West Roxbury, Mass.
PETERS, WILLIAM CHUTE		S.	Newburyport, Mass.
PETERSON, GUY CROSBY	III.	'01	Duxbury, Mass.
PHALEN, WILLIAM CLIFTON	V.	'99	13 Sadler St., Gloucester, Mass.
PHELPS, EARLE BERNARD	V.	'99	New Brunswick, N. J.
PHILBRICK, BURTON GARFIELD	VII.	'02	32 Broad St., Newburyport, Mass.
PHILBRICK, JOSEPH	X.	'02	32 Broad St., Newburyport, Mass.
PHILBRICK, JOSEPH ERNEST	X.	'01	1 Wabon St., Roxbury, Mass.
PHILLIPS, HENRY ALEXANDER, A.M.	IV.	S.	284 State St., Springfield, Mass.
PHINNEY, HERBERT	II.	'02	Monument Beach, Mass.
PICKERSGILL, WILLIAM COPELAND	I.	S.	East Providence, R. I.
PIERCE, EDWARD EVERETT	XIII.	'99	70 Cedar St., Malden, Mass.
PIGEON, WILLIAM GARDNER	IV.	S.	139 Trenton St., E. Boston, Mass.

NAME AND FRATERNITY.	COURSE.	CLASS.	HOME ADDRESS.
PIGMAN, GEORGE WOOD, JR. . . . .	II.	S.	Fort Norfolk, Norfolk, Va.
PIKE, JAY NELSON . . . . .	IV.	'01	Lake City, Minn.
PINKHAM, RALPH HOWARD . . . . .	I.	'99	Greenwood, Mass.
PITCHER, EDMUND HENRY . . . . .	II.	'00	Keene, N. H.
PITTS, EARL PHELPS . . . . .	II.	'01	480 Main St., Fitchburg, Mass.
PLACE, CLYDE RICHMOND . . . . .	II.	'02	Mt. Upton, N. Y.
PLUMB, RALPH, Δ. Ψ. . . . .	II.	S.	267 Linwood Ave., Buffalo, N. Y.
PLUMMER, HOWARD CLARK . . . . .	III.	'00	Milton, Mass.
PLUMMER, LAURA SUSANNA . . . . .	VII.	S.	110 Princeton St., East Boston.
POLLARD, EDSON TOMPSON . . . . .	II.	'02	24 Cottage St., Rutland, Vt.
POND, HARRY BRADFORD, Σ. A. E. . . . .	I.	'02	Unionville, Conn.
POOLE, FREDERICK ARTHUR, Φ. B. E. . . . .	XIII.	'02	5522 East End Ave., Chicago, Ill.
POPE, HAROLD LINDER . . . . .		S.	378 Commonwealth Ave., Boston.
POPE, ROBERT ANDERSON . . . . .	I.	'02	104 High St., Newburyport, Mass.
PORTER, JOHN LEWIS . . . . .	XI.	'00	15 Quincy St., N. Adams, Mass.
POTTER, PHILIP ARTHUR . . . . .	II.	S.	70 Sherman St., Springfield, Mass.
PRAY, DUDLY MALCOLM . . . . .	V.	S.	508 Broadway, South Boston.
PRICE, PAUL LEON, Ph.B. . . . .	IV.	'00	Winterset, Iowa.
PRICE, WILLIARD ATHERTON . . . . .	I.	'99	1370 Race St., Denver, Col.
PRIEST, GEORGE HEYWOOD . . . . .	X.	'99	56 Prospect St., Waltham, Mass.
PRIEST, RUSSELL PARKER . . . . .	I.	'00	33 Cedar St., Malden, Mass.
PROCTOR, REDFIELD, JR., Δ. T. . . . .	II.	'02	Proctor, Vt.
PROULX, ELZEAR JOSEPH . . . . .	I.	'01	270 Walnut St., Holyoke, Mass.
PUCKEY, FRANCIS WILLARD . . . . .	IV.	'01	N. Franklin St., Wilkes-Barre, Pa.
PUTNAM, HARRY AMES . . . . .	VI.	S.	28 Soley St., Charlestown.
PUTNAM, JAMES RUSSELL . . . . .	II., VI.	'01	16 Webster Ave., Allston.
RAIFE, CLAUDE BYRON . . . . .	IV.	S.	68 W. River St., Wilkes-Barre, Pa.
RAND, NATHANIEL DWIGHT . . . . .	VI.	'00	Watertown, Mass.
RAND, WILLIAM PROUDMAN . . . . .	IV.	'00	54 Lowell St., Peabody, Mass.
RANDALL, FRED CHESLEY . . . . .	VI.	'02	Woodfords, Me.
RAPP, WALTER LOUIS, Δ. T. . . . .	IV.	'00	1339 Chapel St., Cincinnati, Ohio.
RASCHE, WILLIAM HENRY . . . . .	XIII.	'01	Blacksburg, Va.
RASH, FRANK DILLMAN, A.B. . . . .	III.	S.	Earlington, Ky.
RATHBUN, ELEANOR PACKER . . . . .	VII.	'02	449 Massachusetts Ave., Boston.
RATHBUN, FRANK DE GRAFF . . . . .	III.	S.	Southampton, Mass.
RAYMOND, HERBERT EMMONS . . . . .	XIII.	'02	84 Ellery St., Cambridge.
READ, WALTER AUGUSTINE . . . . .	XIII.	'01	24 St. Stephen St., Boston.
REAL Y GAILLARD, JUAN, A.B. . . . .	I.	'99	Santiago de Cuba.
REARDON, THOMAS F. E. . . . .	VI.	'00	Wellesley, Mass.
REDMAN, ARVILLE . . . . .	I.	'00	Belfast, Me.
REED, FRANKLIN HOLMES . . . . .	VI.	'02	Canton, Mass.
REGESTEIN, ERNEST ALBRECHT . . . . .	VI.	'99	92 Wyman St., Jamaica Plain.
REIMER, ARTHUR ADAMS . . . . .	I.	'00	28 N. Maple Ave., E. Orange, N. J.
RENSHAW, CLARENCE . . . . .	VI.	'99	1907 Park Ave., Baltimore, Md.
REYNOLDS, ALBERT ADEN, B.A. . . . .	V.	S.	10 Pleasant St., No. Adams, Mass.
REYNOLDS, IRVING WOOD . . . . .	VI.	'02	254 Main St., Brockton, Mass.
RICE, GEORGE WALTER . . . . .	IX.	'02	Goffe St., Quincy, Mass.
RICE, WILLIAM PAUL . . . . .	V.	S.	3312 Wabash Ave., Chicago, Ill.

NAME AND FRATERNITY.	COURSE.	CLASS.	HOME ADDRESS.
RICE, WINTHROP MERTON . . . .	XIII.	'01	8 Summer St., Stamford, Conn.
RICHARDS, WILLIAM REUBEN, A.M. .		S.	2 Marlboro' St., Boston.
RICHARDSON, CHESTER AUGUSTUS .	I.	'00	Pelham, N. H.
RICHARDSON, CLINTON LEROY . . .	I.	'00	Winchester, Mass.
RICHARDSON, JAMES HERBERT . . .	I.	S.	Newtonville, Mass.
RICHMOND, GERALD MARTIN, A. D. Φ.	VI.	'99	30 King St., Worcester, Mass.
RICHMOND, MILES STANDISH, Δ T. .	IV.	S.	Clinton Road, Brookline, Mass.
RICKARDS, BURT RANSOM . . . .	V.	'99	70 Wyoming Ave., Malden, Mass.
RIDDLE, HERBERT HUGH, Δ. K. E. .	IV.	'99	Trinity Court, Boston, Mass.
RIDDLE, LEWIS WETMORE, Δ. K. E. .	XIII.	'99	Trinity Court, Boston, Mass.
RIKER, GEORGE HAYES . . . . .	X.	'99	Belmont St., Somerville, Mass.
RILEY, FRANK MORRIS, C.E., X. Ψ. .	IV.	S.	15 W. Gilman St., Madison, Wis.
RIPLEY, PHILIP FRANKLIN, A.B. . .	V.	'00	48 Central St., Andover, Mass.
RITCHIE, ANDREW ELIOT, Δ. Ψ. . .	II.	S.	268 Walnut St., Brookline, Mass.
ROBBINS, FRANK AMBROSE, JR. . .	II.	'02	91 Appleton Ave., Pittsfield, Mass.
ROBERTS, ROBERT PARKER . . . .	III.	'00	42 Quincy St., Roxbury, Mass.
ROBERTSON, SAMUEL BROWN . . . .	I.	'99	East Milton, Mass.
ROBINSON, JOHN ALBERT . . . . .	X.	'02	Canton, Mass.
ROBINSON, RALPH CHANDLER . . . .	V.	'01	No. Andover Depot, Mass.
ROBINSON, THOMAS P., Φ. B. E. . .	IV.	'99	3129 Page St., Philadelphia, Pa.
ROBSON, EDWARD RIGGS . . . . .	IX.	S.	Wellesley Hills, Mass.
ROEHR, OTTO LOUIS . . . . .	XIII.	'02	601 Willoughby Ave., Brooklyn.
ROGERS, GARDNER, Δ. T. . . . .	VI.	'02	54 Rawson Road, Brookline, Mass.
ROGERS, GEORGE DENNISON . . . .	VI.	'02	109 Prospect St., Gloucester, Mass.
ROOT, RALPH, Δ. T. . . . .	III.	S.	100 Harrison St., E. Orange, N. J.
ROSS, JOHN ALEXANDER, JR. . . .	XIII.	'01	Hampton, N. H.
ROSSMASSLER, CARL . . . . .	XIII.	S.	607 Church Lane, Germantown, Pa.
ROWE, ALLAN WINTER . . . . .	X.	'01	Gloucester, Mass.
RUSSELL, EDWARD FRANCIS . . . .	II.	S.	650 Middlesex St., Lowell, Mass.
RUSSELL, GEORGE EDMOND . . . . .	I.	'00	85 Montvale Ave., Woburn, Mass.
SABIN, JAY HORACE . . . . .	III.	'01	Aurora, Ill.
ST. CLAIR, SAMUEL WINTHROP . . .	IV.	'01	3 St. Paul St., Boston, Mass.
SAMMET, GEORGE VICTOR . . . . .	V.	'01	73 Sheridan St., Jamaica Plain.
SAMUELS, EDWIN FRANCIS . . . . .	II.	'99	21 Austin St., Hyde Park, Mass.
SANDERS, WARREN WILLARD . . . .	V.	'00	West Gardner, Mass.
SAUNDERS, WILLIAM COLEGROVE . .	II.	S.	67 Peter Parley St., Jamaica Plain.
SAWTELLE, WILLIAM OTIS, Δ. K. E. .	VIII.	'99	563 Mass. Ave., Boston, Mass.
SAWYER, ARTHUR HAROLD . . . . .	III.	S.	3 Brantwood Rd., Arlington, Mass.
SAWYER, CHARLES ADRIAN, JR., Φ. B. E.	II.	'02	1640 Indiana Ave., Chicago, Ill.
SAWYER, HAVEN, Δ. K. E. . . . .	II.	'99	64 Forest Ave., Bangor, Me.
SAYLOR, HENRY HODGMAN, Δ. K. E. .	IV.	'02	351 King St., Pottstown, Pa.
SCHMIDT, ALBERT GEORGE ANTON . .	II.	'00	1537 Oakdale Ave., Chicago, Ill.
SCHMITT, CHARLES AUGUST . . . .	V.	S.	144 Orange St., Chelsea, Mass.
SCHNELLER, GEORGE OTTO, X. Φ. . .	II.	'00	103 S. Cliff St., Ansonia, Conn.
SCHWARTZ, AARON . . . . .	XIII.	'02	10 Wall St., Boston, Mass.
SCOTT, WALTER . . . . .	II.	'00	25 Bradford St., Lawrence, Mass.
SCULLY, JOHN TIMOTHY, JR. . . .	J.	S.	973 Mass. Ave., Cambridge, Mass.
SEABURY, GEORGE TILLEY, Δ. T. . .	I.	'02	16 Mann Ave., Newport, R. I.

NAME AND FRATERNITY.	COURSE. CLASS.	HOME ADDRESS.
SEARLE, LEWEN FIRTH . . . . .	I. '00	83 May St., Lawrence, Mass.
SEARS, STANLEY COLLAMORE, Δ. T. .	III. '00	Winthrop, Mass.
SEARS, WALTON HARVEY . . . . .	II. '02	Arlington, Mass.
SEAYER, EDWARD, JR. . . . .	II. '01	22 Westminster Av., Roxb'y, Mass.
SEAYER, KENNETH . . . . .	I. '00	Woodstock, Vt.
SEAVEY, NORMAN EMERY . . . . .	VI. '99	Dover, N. H.
SETZ, CARL FREDERICK . . . . .	V. '02	Bonne Terre, Mo.
SEXTON, FREDERICK HENRY . . . .	III. '01	Billerica, Mass.
SHAPLEY, HARRY TILTON . . . . .	X. '00	32 Orchard St., Leominster, Mass.
SHAW, BRACKLEY AZEL . . . . .	IX. S.	Englewood Ave., Brighton, Mass.
SHEDD, CHARLES LEVI . . . . .	I. '02	Portsmouth, N. H.
SHEPARD, RALPH LUNT . . . . .	IV. S.	79 High St., Newburyport, Mass.
SHERMAN, CHARLES EDWIN, Δ. T. .	IV. '00	46 Granite St., Westerly, R. I.
SHERMAN, FREDERIC LYMAN . . . .	I. '02	126 Main St., W. Springfield, Mass.
SHERMAN, HERBERT LESLIE . . . .	V. '02	37 Langdon St., Cambridge, Mass.
SHERILL, MILES STANDISH . . . .	V. '99	301 E. College St., Louisville, Ky.
SHIVERS, CLIFFORD HOPKINS . . . .	IV. '01	Woodbury, N. J.
SHUTE, GEORGE PERCIVAL . . . . .	X. '01	41 Everett St., Malden, Mass.
SIBLEY, EDWARD WARREN . . . . .	II. '99	Weston, Mass.
SILVERMAN, MORTIMER . . . . .	VI. '00	172 Locust St., Allegheny, Pa.
SIMONDS, ROLAND EMERSON . . . .	II. '01	16 Vine St., Winchester, Mass.
SIMPSON, ROBERT COFFIN . . . . .	XIII. '00	22 Chestnut St., Chelsea, Mass.
SIMPSON, WALTER HENRY . . . . .	XIII. '02	118 White St., East Boston, Mass.
SITES, FREDERICK ROBERT . . . . .	I. '99	Auburndale, Mass.
SKENE, NORMAN LOCKE . . . . .	XIII. '01	58 Copeland St., Roxbury, Mass.
SKINNER, HERVEY JUDSON . . . . .	V. '99	Wakefield, Mass.
SMITH, CHARLES ALFRED . . . . .	I. '99	North Reading, Mass.
SMITH, CHARLES ALFRED, Δ. K. E. .	III. '02	Oconto, Wis.
SMITH, FRANCIS FAY HILL, Δ. T. Δ. .	II. '02	Glen Road, Jamaica Plain, Mass.
SMITH, FRANK ARTHUR . . . . .	II. S.	18 Orange St., Newb'yport, Mass.
SMITH, FREDERICK W., A.B. . . . .	I. '01	4 East Biddle St., Baltimore, Md.
SMITH, GODFREY LEWIS . . . . .	XIII. '99	Rosseter Place, Dorchester, Mass.
SMITH, HORACE MILLIKIN . . . . .	II. '02	Hamilton, Ohio.
SMITH, JAMES WOODBERRY . . . . .	I. '02	Lexington, Mass.
SMITH, LAWRENCE SOUTHWICK . . . .	II. '00	136 Lowell St., Peabody, Mass.
SMITH, LILLIE COLLAMORE . . . . .	V. S.	16 Beacon Ave., Providence, R. I.
SMITH, MONTEFORT HILL, Δ. T. Δ. .	IV. S.	Falmouth, Mass.
SMITH, PHILIP REEDER, X. Φ. . . . .	II. '02	Milwaukee, Wis.
SMITH, SUMNER IVES . . . . .	VI. '00	107 N. 3d St., Elkhart, Ind.
*SMITH, WILLIAM HENRY . . . . .	II. S.	Altoona, Pa.
SMITHWICK, HAROLD . . . . .	II. S.	Newcastle, Me.
SNOW, FREDERICK WELLES . . . . .	III. S.	565 Essex St., Lynn, Mass.
SOHIER, LOUIS AMORY, Δ. T. Δ. . .	II. S.	Concord, Mass.
SOHIER, WALTER, Δ. T. Δ. . . . .	II. S.	Concord, Mass.
SOULE, LAWRENCE CLEMENT . . . .	X. '99	Newtonville, Mass.
SOUTHWICK, GEORGE SCUDDER . . . .	II. '02	107 W. Liberty St., Rome, N. Y.
SOUTHWORTH, FREDERIC WILLARD .	IV. '00	West Stoughton, Mass.

\* Deceased.

NAME AND FRATERNITY.	COURSE.	CLASS.	HOME ADDRESS.
SPEAR, GEORGE MORTON . . . .	XIII.	S.	576 Westford St., Lowell, Mass.
SPERRY, MARCY LEAVENWORTH, Δ. Ψ. II.	VI.	'00	Navy Yard, N. Y. City.
SPRAGUE, NATHANIEL, JR. . . .	VI.	'02	Lanesville, Mass.
STADLER, LOUIS ANDREW, Σ. Δ. E. .	III.	'01	418 Lawrence St., Helena, Mont.
STANLEY, LYMAN ROBERTS . . . .	II.	'02	289 Newbury St., Boston, Mass.
STARR, CLARENCE DOUGLASS . . .	II.	'02	16 Richards St., New London, Ct.
STARR, HERBERT HARRIS . . . .	I.	'99	16 Richards St., New London, Ct.
STEARNS, FREDERIC BALDWIN . . .	IV.	'99	641 Washington St., Brookline.
STEARNS, HERBERT RICHARDSON . .	I.	'00	108 Cushing Ave., Dorch'r, Mass.
STEARNS, RALPH HAMILTON . . .	XI.	'01	108 Cushing Ave., Dorch'r, Mass.
STEBBINS, ROLAND WILLIAMS, Δ. Ψ.	II.	S.	Crescent Hill, Springfield, Mass.
STEEVER, JEROME ELWELL . . . .	III.	'02	4718 Madison Ave., Chicago, Ill.
STEIDEMANN, THEODORE WILLIAM .	IV.	'00	4110 N. 11th St., St. Louis, Mo.
STETSON, ALBERT WINTHROP . . .	X.	S.	1754 Beacon St., Brookline, Mass.
STETSON, JAMES ALEXANDER, Σ. A. E.	I.	S.	67 Bedford St., New Bedford, Mass.
STEVENS, GORHAM PHILLIPS, S. B. .	IV.	S.	26 Gray St., Cambridge, Mass.
STEVENS, RALPH . . . . .	III.	'00	Whitman, Mass.
STEVENS, WILLIAM LEONARD, Δ. T. Δ.	III.	'00	74 Walnut St., Somerville, Mass.
STEWART, EDMUND THOMAS . . . .	IV.	S.	287 Columbus Ave., Boston, Mass.
STEWART, LEWIS, Δ. Ψ. . . . .	IV.	'00	208 W. State St., Trenton, N. J.
STILLINGS, HENRY ERSKINE . . . .	II.	'02	58 Pinckney St., Boston, Mass.
STIMSON, HENRY STANTON BOGUE .	VI.	'02	Pittsford, Vt.
STOCKMAN, ORLANDO SARGENT . . .	III.	'01	31 Winter St., Newburyport, Mass.
STOCKTON, PHILIP, A. B. . . . .	I.	'99	390 Beacon St., Boston, Mass.
STONE, JACOB, JR., Δ. T. . . . .	IV.	'99	Minneapolis, Minn.
STONE, MARY GRAY . . . . .	V.	S.	18 Chestnut St., Boston, Mass.
STONE, SOLON JONES, JR. . . . .	I.	S.	24 Tyler St., Boston, Mass.
STONE, WILLARD WILBERFORCE . .	I.	'00	12 Somerset Ave., Taunton, Mass.
STORER, HARRY WINTHROP MARCH .		S.	13 Winter St., Dorchester, Mass.
STOVER, CHARLES CLARK . . . . .	II.	'01	62 Congress St., Amesbury, Mass.
STOW, KENT TILLINGHAST . . . .	II.	'02	50 Richmond Ave., Buffalo, N. Y.
STRAND, HARRY LANCASTER, Δ. K. E.	IV.	'02	Keene, N. H.
STRATTON, CHARLES HEYWOOD . . .	IV.	'00	306 St. James Ave., Sp'gfield, Mass.
STREET, GERALD BASIL, Φ. B. E. .	II.	'99	Highland Park, Ill.
STRONG, HOMER DAVID . . . . .	II.	'02	Winsted, Conn.
STURTEVANT, EDWIN WHITMAN, X. Φ.	II.	'02	2950 Calumet Ave., Chicago, Ill.
STURTEVANT, WILLIAM ISAAC . . .	VI.	'01	2338 Wall Ave., Ogden, Utah.
SUCRO, WILLIAM GEORGE . . . . .	I.	'01	Cantonsville, Md.
SUHR, CARL FREDERICK . . . . .	II.	'00	77 Chester Ave., Chelsea, Mass.
SULLIVAN, HENRY HOWARD . . . .	II.	'99	98 Foster St., Brighton, Mass.
SULZER, ALBERT FREDERICK . . . .	X.	'01	1306 Perry St., Chicago, Ill.
SUTER, RUSSELL . . . . .	I.	'00	5 Riedesel Ave., Cambridge, Mass.
SUTERMEISTER, EDWIN . . . . .	V.	'99	Readville, Mass.
SUTLIFF, WALTER HANNEN . . . .	IV.	S.	238 State St., Albany, N. Y.
SWAN, ARTHUR EUGENE . . . . .	VI.	'02	25 Wabon St., Roxbury, Mass.
SWAN, CLIFFORD MELVILLE, Δ. T. .	V.	'99	91 Babcock St., Brookline, Mass.
SWEETSER, WILLIAM JORDAN . . . .	II.	'01	Clifftondale, Mass.
SWIFT, CHARLES WILLISTON . . . .	II.	'99	Provincetown, Mass.

NAME AND FRATERNITY.	COURSE.	CLASS.	HOME ADDRESS.
SWIFT, FRANK ROBINSON . . . . .	X.	'99	Wollaston, Mass.
TAFT, THEODORE HOWARD . . . . .	II.	'01	32 Avon Hill St., No. Cambridge.
TAPPAN, FREDERIC . . . . .	VI.	'99	242 Marlboro' St., Boston, Mass.
TAYLOR, DENZIL HOLLIS . . . . .	I.	'99	Peterboro, N. H.
TAYLOR, GRANT STERNE . . . . .	XIII.	'02	32 Cranston Ave., Newport, R. I.
TAYLOR, JAMES LOOCKERMANN, JR., Δ. Ψ. . . . .	I.	'02	London, Eng.
TAYLOR, WARREN CROSBY . . . . .	I., XI.	'01	19 Maple St., Arlington, Mass.
TEAGUE, WALTER OWEN . . . . .	X.	'02	180 Mammoth St., Lowell, Mass.
TEUTEBERG, EUGENE ADOLPH . . . . .	IV.	S.	5880 Etzel Ave., St. Louis, Mo.
THANISH, OTTO CONRAD . . . . .	II.	S.	3305 Washington St., Jamaica Pl.
THATCHER, EDWARD GORDON, Σ. A. E. . . . .	V.	'01	Middleboro, Mass.
THAYER, HARRY MARTIN . . . . .	V.	'00	34 Hunt St., Brockton, Mass.
THURBER, CLINTON DRAPER . . . . .	I.	'00	663 Tremont St., Boston, Mass.
THURLOW, LEON RHODES, Σ. X. . . . .	XI.	S.	1128 Boylston St., Boston, Mass.
THURSTON, RALPH EMERY . . . . .	VI.	'02	1095 No. Main St., Fall River.
TIFFANY, GEORGE STANTON, Δ. Ψ. . . . .	IV.	S.	1705 Conn. Av., Washington, D.C.
TITCOMB, ROLAND ELBERT . . . . .	II.	'02	Rowley, Mass.
TOLMAN, CHARLES PRESCOTT . . . . .	VI.	'02	755 Washington St., Dorchester.
TORREY, CHARLES AUGUSTINE, JR. . . . .	V.	'99	727 Boylston St., Boston, Mass.
TOWNE, WILLIS HARVEY . . . . .	II.	'02	West Gardner, Mass.
TOWNE, LILLIAN MAY . . . . .	VII.	S.	89 Surrey St., Brighton, Mass.
TOWNLEY, FREDERICK LAWRENCE . . . . .	VI.	S.	Wyoming, Ohio.
TOWNSEND, GILBERT . . . . .	IV.	'02	42 Carleton St., Newton, Mass.
TRASK, EDGAR PIERCE . . . . .	XIII.	'99	Peabody, Mass.
TRENHOLME, ARTHUR KINGSLEY, B. A. . . . .	IV.	'01	Westmount, P. Q., Can.
TROTT, JOHN ALDEN, Δ. K. E. . . . .	II.	'01	Dedham, Mass.
TROWBRIDGE, HENRY OTIS . . . . .	II.	'02	15 Peabody St., Newton, Mass.
TRUE, PERCIVAL EDWARD . . . . .	X.	'00	Andover, Mass.
TUCK, THEODORE CALVIN . . . . .	I.	'00	57 Portland St., Haverhill, Mass.
TUCKER, ALBERT WILLIAM . . . . .	III.	'99	Summit Pl., Newburyport, Mass.
TUCKER, FRED IRVING . . . . .	II.	S.	544 Newbury St., Boston, Mass.
TUDBURY, WARREN CHAMBERLAIN . . . . .	I.	'00	40 Warren St., Salem, Mass.
TUELL, ARTHUR GIFFORD . . . . .	XIII.	S.	988 S. Water St., N. Bedford, Mass.
TUFTS, CHARLES GILMAN . . . . .	X.	'01	Arlington Heights, Mass.
TUFTS, JOHN LAWRENCE . . . . .	V.	'99	50 Woodbine St., Roxbury, Mass.
TURNER, EVERETT PENDLETON, Δ. T. . . . .	II.	'02	Arlington, Mass.
TURNER, HOWARD CHUBBUCK, Δ. T. . . . .	IV.	'02	Arlington, Mass.
TURNER, JOHN BYCE, Φ. B. E. . . . .	J.	'02	717 Garrison Ave., St. Louis, Mo.
TURNER, LAWRIE HUMPHREY . . . . .	V.	S.	707 Salem St., Medford, Mass.
TWEEDY, GEORGE AUGUSTUS . . . . .	III.	'00	Downey, Cal.
USHER, SAMUEL, 2D . . . . .	VI.	'02	11 Hillside Ave., No. Cambridge.
VATTER, WILBUR LEWIS . . . . .	VI.	'02	22 Albin St., Lawrence, Mass.
VAUGHAN, LOUIS EDGAR . . . . .	IV.	'02	28 William St., Worcester, Mass.
VERMILYE, WILLIAM MOORHEAD . . . . .	X.	'01	New Brighton, Staten Isl., N. Y.
VICTOR, MAXWELL . . . . .	I.	'02	Trinity Court, Boston, Mass.
VINING, ROBERT MACALISTER . . . . .	II.	'99	South Weymouth, Mass.
VOGEL, EMIL FREDERICK . . . . .	I.	'00	40 Hartwell St., Roxbury, Mass.
VOSS, ALLEN BERNARD . . . . .	VI.	'02	146 Duncan St., Gloucester, Mass.

NAME AND FRATERNITY.	COURSE.	CLASS.	HOME ADDRESS.
WADDELL, FREDERICK CREELMAN . . .	I.	'99	Rockport, Mass.
WADLEIGH, JOHN WINTHROP . . .	II.	'02	Lexington, Mass.
WALCOTT, WILLIAM WRIGHT . . .	IX.	'01	West Central St., Natick, Mass.
WALES, ROYAL LINFIELD . . .	X.	'02	Haverhill, Mass.
WALKER, CLARENCE HOWARD, Σ.A.E.	II.	'00	Rumford, R. I.
WALKER, ETHEREDGE, A. K. E. . .	III.	'99	237 Beacon St., Boston, Mass.
WALKER, FRANK RAY . . .	IV.	S.	18 George St., Pittsfield, Mass.
WALKER, HARRY LESLIE . . .	IV.	S.	228 Clinton Ave., Oak Park, Ill.
WALKER, MURRAY JOHN . . .	VI.	'02	Danversport, Mass.
WALLACE, ROBERT BRUCE, Δ. T. . .	XIII.	'99	Cleveland, Ohio.
WALLS, JOHN ABBET, Σ. X. . .	VI.	'99	Lewisburg, Pa.
WALTERS, EDWARD PHILIP . . .	V.	'99	47 Camp St., Providence, R. I.
WALTHER, WILLIAM JOHN . . .	I.	'99	929 No. Halsted St., Chicago, Ill.
WALTON, JAMES HENRY, JR. . .	V.	'99	13 Collins St., Newburyport, Mass.
WALWORTH, ARTHUR C., JR., B.A. .	II.	S.	Newton Centre, Mass.
WARREN, FRANK DINSMORE . . .	II.	'00	Northboro, Mass.
WASTCOAT, RICHARD . . .	I.	'00	Taunton, Mass.
WATERMAN, IRVILLE DENNETT . .	I.	'02	South Weymouth, Mass.
WATERMAN, WILLIAM, JR. . .	VI.	'02	5810 Rosalie Court, Chicago, Ill.
WATERS, CHARLES DOUGLASS, B.S. .	V.	S.	Winooski, Vt.
WATKINS, FREDERICK ARTHUR . .	II.	'99	333 Rush St., Chicago, Ill.
WATROUS, CHARLES ALBERT, Φ. B. E.	IV.	'99	672 17th St., Des Moines, Iowa.
WEBSTER, FRED BIBBER . . .	XIII.	'01	27 Putnam Ave., Camb'dge, Mass.
WEDLOCK, WILLIAM HENRY . . .	I.	'00	21 Ashmont St., Dorchester, Mass.
WEEKS, IRVING CHAMBERS . . .	IX.	'00	21 Ashmont St., Dorchester, Mass.
WEIL, ASHER LOWENSTEIN . . .	II.	'01	4 W. Mt. Morris Park, New York.
WEIMER, EDGAR ARTHUR, S.B. . .	III.	'99	Lebanon, Pa.
WELCH, WILLIAM WELLS . . .	III.	'01	31 Robertson St., W. Quincy, Mass.
WELD, LYDIA GOULD . . .			S. Falmouth, Mass.
WELLMAN, WALTER JESSE . . .	IV.	'02	East Jaffray, N. H.
WELLS, CHESTER HAROLD . . .	XI.	'02	Lawrence, Mass.
WELLS, WALTER WILEY . . .	VI.	'99	Sackville, N. B.
WEMYSS, DUNCAN . . .	II.	'02	Somerville, Mass.
WENTWORTH, JOHN FRANK . . .	XIII.	S.	Rochester, N. H.
WERNER, CARL . . .	IV.	S.	Mattapan, Mass.
WERNER, FRANK ALBERT, Σ. X. . .	XIII.	S.	530 W. Market St., Akron, Ohio.
WESSON, LEONARD . . .	II.	S.	21 Rockville Park, Roxbury, Mass.
WESTCOTT, HENRY WILMARTH . .	II.	'02	Hopedale, Mass.
WETHERBEE, GEORGE MESERVE . .	II.	'02	24 Adams Ave., W. Newton, Mass.
WETMORE, WADE LYNDON . . .	II.	'02	Essex, Mass.
WHALEN, EDWARD LAURENCE . . .	VI.	'01	200 E. Lincoln St., Marlboro, Mass.
WHIPPLE, ALLEN DEWEY . . .	VI.	'02	264 Newbury St., Boston, Mass.
WHIPPLE, WILLIAM, Δ. Ψ. . .	II.	'01	Massapiqua, N. Y.
WHITAKER, LEWIS ROSE . . .	I.	'99	Parsons St., Brighton, Mass.
WHITE, ARTHUR BURR . . .	I.	'00	Allston, Mass.
WHITE, HARRY KEITH . . .	IV.	'99	32 N. Main St., Brattleboro, Vt.
WHITE, HARRY RANSOME . . .	XIII.	'01	Arlington Heights, Mass.
WHITE, ROBERT, JR. . .	VI.	'01	321 Hanover St., Boston, Mass.

NAME AND FRATERNITY.	COURSE.	CLASS.	HOME ADDRESS.
WHITE, WILLIAM . . . . .	V.	'99	195 Cohannet St., Taunton, Mass.
WHITING, CHARLES FREDERICK, A.B.	VII.	S.	Wilton, N. H.
WHITMAN, RALPH . . . . .	I.	'01	109 Walnut Ave., Roxbury, Mass.
WHITNEY, PHILIP RICHARDSON . . .	IV.	'02	74 Waban Park, Newton, Mass.
WHITNEY, ROBERT FLETCHER . . .	II.	'02	Winchester, Mass.
WHITNEY, WALTER CUMMINGS . . .	I.	'99	54 Jefferson St., Newton, Mass.
WHITON, HARRY AUGUSTUS . . . .	IV.	S.	Bloomfield, Conn.
WHITTEMORE, CHARLES AUGUSTUS .	IV.	'01	329 Jefferson Ave., Scranton, Pa.
WHITTET, RUFUS MASON . . . . .	XI.	'02	31 Wentworth Ave., Lowell, Mass.
WIARD, EDWARD SAXON . . . . .	III.	'99	Spokane, Wash.
WIGHT, ROGER WILLARD . . . . .	XIII.	'01	140 Bacon St., Natick, Mass.
WILCOX, FRANK PATTEN . . . . .	I.	'01	40 Norway St., Boston, Mass.
WILDER, FRED BLAISDELL . . . . .	III.	S.	118 Huntington Ave., Boston.
WILDER, LOWELL BOSWORTH . . . .	III.	'01	Boylston St., Newton Highlands.
WILDES, WALDO GILMAN . . . . .	I.	'01	Richardson Road, Melrose, Mass.
WILLARD, CHARLES FRANKLIN, Q.T.V.	II.	'01	15 Front St., Marlboro, Mass.
WILLIAMS, DORA . . . . .	VII.	S.	93 Tyler St., Brookline.
WILLIAMS, ELIZABETH LANGDON . .	VIII.	'02	158 Spencer Ave., Chelsea, Mass.
WILLIAMS, IRVING . . . . .	II.	'02	77 Arlington Ave., Providence, R.I.
WILLIAMS, LOUIS EZRA . . . . .	II.	'01	Duluth, Minn.
WILLIAMS, ROBERT LONGFELLOW . .	II.	'01	158 Spencer Ave., Chelsea, Mass.
WILLIAMS, ROBERT SEATON . . . .	V.	'02	436 Mason St., Jackson, Mich.
WILLISTON, WILLIAM HIGH . . . .	II.	'02	3 Monmouth St., Somerville, Mass.
WILSON, ALICE VIRGINIA . . . . .	V.	'00	Lenoir, N. C.
WILSON, ARCHIBALD HENRY . . . .	II.	'01	13 Melvin St., Lawrence, Mass.
WILSON, GEORGE TRUMAN, A. T. Ω .	II.	S.	Columbia Falls, Me.
WINCHESTER, HENRY THORNTON . .	'02		512 Washington St., Dorchester.
WING, CHARLES FREDERIC, JR. . . .	VI.	'99	New Bedford, Mass.
WINSLOW, GEORGE CARLOS, JR. . . .	III.	S.	170 Huntington Ave., Boston.
WINSLOW, WILLIAM JAMES . . . . .	I.	'02	New Bedford, Mass.
WITHERELL, FREDERICK WHITEFIELD	XI.	'00	11 Herrick St., Winchester, Mass.
WITHERELL, PERCY WARREN . . . .	VI.	'99	5 Devon St., Roxbury, Mass.
WOOD, AUSTIN CLARENCE, Δ. K. E. .	IV.	'02	3 Shawmut Park, Dorchester, Mass.
WOOD, HAROLD BLAKE . . . . .	II.	'01	Arlington, Mass.
WOOD, HOWARD IRVING . . . . .	V.	'01	18 Davis Ave., Rockville, Conn.
WOOD, LEONARD PERCY . . . . .	I.	S.	Brooklyn, N. Y.
WOOD, WILLARD LYMAN, JR. . . . .	VI.	S.	Upton, Mass.
WOODBURY, GEORGE HAINES . . . .	III.	S.	1413 First St., San Francisco, Cal.
WOODHULL, CHARLES RICHARD, Σ. X.	I.	S.	Munroe, N. Y.
WOODSOME, JAMES CHADBOURNE . .	VI.	'01	120 Cushing Ave., Dorchester.
WOODWARD, ALLEN HARVEY, A. T. Ω .	III.	S.	Birmingham, Ala.
WOOLLETT, JOHN WOODWARD . . . .	I.	'99	Valmont, Col.
WORDEN, EDWIN SHELDON . . . . .	X.	S.	61 Pearl St., Newton, Mass.
WRIGHT, CHARLES LAWRENCE . . . .	II.	'02	16 Tudor St., Lynn, Mass.
WYZANSKI, ISAAC . . . . .	XIII.	S.	21 Allston St., Boston, Mass.
YOUNG, ROSS REDSECKER . . . . .	II.	S.	Middletown, Pa.
ZIEGLER, PERCY ROLFE . . . . .	II.	'00	1 Ellis St., Roxbury, Mass.



## Young Women at the Institute.

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ALLEN, LUCY MABEL . . . . .	Chem.
BALLANTYNE, BERTHA LENNIE, VII., '00 . . . . .	Regular.
BARTLETT, JANE HOWARD . . . . .	Chem., Lang., Phys., Pol. Sci.
BATES, SARAH LOVELAND . . . . .	Chem., Draw., Eng., Lang., Math.
BECKLER, EDITH ARTHUR, V., '02 . . . . .	Regular.
BENDER, MARGARET WILKINSON . . . . .	Draw., Lang., Math.
BEST, EDNA MAY WILLISTON, V., '02 . . . . .	Regular.
BOLAND, MARY A. . . . .	Biol., Geol.
BOWDITCH, THEODORA, VII., '00 . . . . .	Regular.
CADE, MARION LOUISE . . . . .	Biol., Phys.
CHANDLER, EDNA MATILDA, V., '99 . . . . .	Regular.
CROWELL, ESTHER LOUISE . . . . .	Biol.
CROWNINSHIELD, KATHARINE BRADLEE . . . . .	Eng.
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## In Memoriam.



Professor Alphonse N. van Daell.

Died March 27, 1899.

Guy Prentiss Burch.

Born January 13, 1877. Died April 11, 1899.

William Henry Smith, 1900.

Born January 10, 1871. Died December 17, 1898.

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Professor Alphonse N. van Däell.

## Alphonse N. van Däell.

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LESS than a month has passed since the friends of Prof. Alphonse N. van Däell received the sad news of his death in Germany. Professor van Däell had been in ill health during the past winter, and had been granted leave of absence from the Institute for the remainder of the year, in the hope that with rest and travel he would recuperate. With his wife and daughter he sailed for Germany early in March, but his vitality was spent, his death occurring soon after his arrival in Weisbaden.

Professor van Däell was a native of Belgium. He graduated from the College of St. Servais in 1864, and in 1868 he took the degree Docteur en Droit at the University of Liège. He came to America in 1873, and held the chair of Professor of Modern Languages at Kentucky College from 1876-79. Since then he has been instructor at Haverford College, and lecturer at the University of Pennsylvania, and director of Modern Languages in the Boston High and Latin Schools. In 1889 he came to Technology as head of the department of Modern Languages. He was a man of scholarly tastes, and was widely known for his writings and literary work, as well as his interest in educational matters. His library contained many rare editions, together with a remarkably fine collection of books relating to French literature.

Professor van Däell was a man whose deep interest in the welfare of his students won for him their respect and admiration. His manly bearing and courtly manner, his cheerful smile and kindly disposition, made friends of all who came in contact with him, and his loss will be sincerely felt by all who knew him.



Guy Prentiss Burch.

## Guy Prentiss Burch.

ILL for less than a week, hardly missed except by his intimate friends and the members of his Course, the announcement of the death of Guy Prentiss Burch came as a terrible shock to his classmates and his friends. His unassuming manner, his uprightness of character, and his unselfish nature had made him loved by all who knew him.

He was born in Dubuque, Iowa, and came to the Institute with the Class of '99, entering the Department of Civil Engineering.

He was devoted to his class and college, and during his undergraduate life he faithfully served them in various capacities. In his Freshman year he played left field on the Class Baseball Team. In his Sophomore year he began work on the Track Team, and had shown considerable ability, when heart trouble compelled him to give up training. He was a prominent member of the Hare and Hound Club, the Tennis Association, and the Gun Club, and in his Senior year of the Technology Club. He was also a member of the TECHNIQUE Electoral Committee in his Sophomore year. During his Junior year he again took up track work, and had a wonderfully successful season, which closed with his winning the 220-yard Low Hurdles at Worcester, and lowering the N. E. I. A. A. record to 25 3-5 seconds.

On the return trip from Worcester he was elected Captain of the 'Varsity Track Team for the present year. When the Advisory Council on Athletics was formed Burch was elected representative from the Athletic Association, which position he held up to the time of his death. In May of last year he was elected to the Board of Editors of *The Tech*, where he took charge of the Athletic department.

Shortly after the beginning of his Senior year the pressure of his many duties caused him to resign the Captaincy of the Track Team. Then he suffered a severe attack of appendicitis. This came just before his mid-year examinations, and would have prevented his graduation with '99. Upon his recovery from this illness he resumed his work at the Institute. A short time ago he was elected a member of the Class-day Nominating Committee, later a member of the Class-day Committee, and was appointed Chairman of the Committee on the Senior Portfolio. He was busily engaged in the work of these various committees at the time of his death.

Guy Prentiss Burch was a man whose unselfish nature won the admiration of all who knew him. Whatever he undertook he did with all his tireless energy, but his stern, relentless conscience called for more than his physical self could endure. His ideals were of the highest. He was a representative of the best type of the Technology man, and his life will ever stand as a record of truth and honor.

## William Henry Smith.

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WILLIAM HENRY SMITH, whose sudden death a few days before the Christmas holidays caused such a sad surprise to his friends and classmates, was born in Baltimore, Md., Jan. 10, 1871.

While Smith's record at the Institute is of chief interest to us all, yet one must know of his preparatory work in order to appreciate fully the difficulties which beset his way. As a young child he evidenced a great desire to study; but while it was at that time fully possible for colored children to receive a good public education, he was held back by the desire to help to provide for his widowed mother.

His course in the High School of Altoona, Pa., was a brilliantly creditable one. Here circumstances were favorable to his work, and in consequence of faithful and extra study he shortened his course by a year.

The municipal contracting, to which Smith devoted his energies for some time after graduation from the High School, in 1890, was the beginning of a series of business endeavors in which he engaged with great credit. During this time, however, he kept up his studies, and finally decided to prepare for the Massachusetts Institute of Technology, which he entered in September, 1896.

His work at the Institute naturally presented many difficulties, not only because of his rather long absence from regular study, but also because his tuition was paid entirely by his own efforts. With all these obstacles, Smith never showed a sign of discouragement. As in the preparatory schools, so here, he performed his duties so conscientiously that each year has shown very substantial progress in the quality of his work. The great incentive of his life arose from his meeting Booker T. Washington. Smith had always felt a great desire to aid his race, and when the possibility of a position in the Institute at Tuskegee, Alabama, was presented him as the first colored graduate from the course in Mechanical Engineering at Massachusetts Institute of Technology, his efforts seemed indeed doubled to reach the field toward which he had labored so long.

On December 10, 1898, Smith was taken to the Boston City Hospital, to undergo an operation for appendicitis. For a week he fought so bravely for life that the doctors finally considered him out of danger; but on Sunday morning, December 19, 1898, he grew suddenly worse, and before help was at hand passed silently away.

His death was a great loss to his many friends, but far greater to the race he loved and worked for. It seems a strange stroke of fate which took him away just when his work was really beginning. Smith's life was such a series of triumphs of character that it is difficult to say just where his great power lay; but, certainly, a Christian at heart, as well as in deed, he made himself felt by his gentle and engaging manners, his indomitable perseverance, and his high and noble ambitions.





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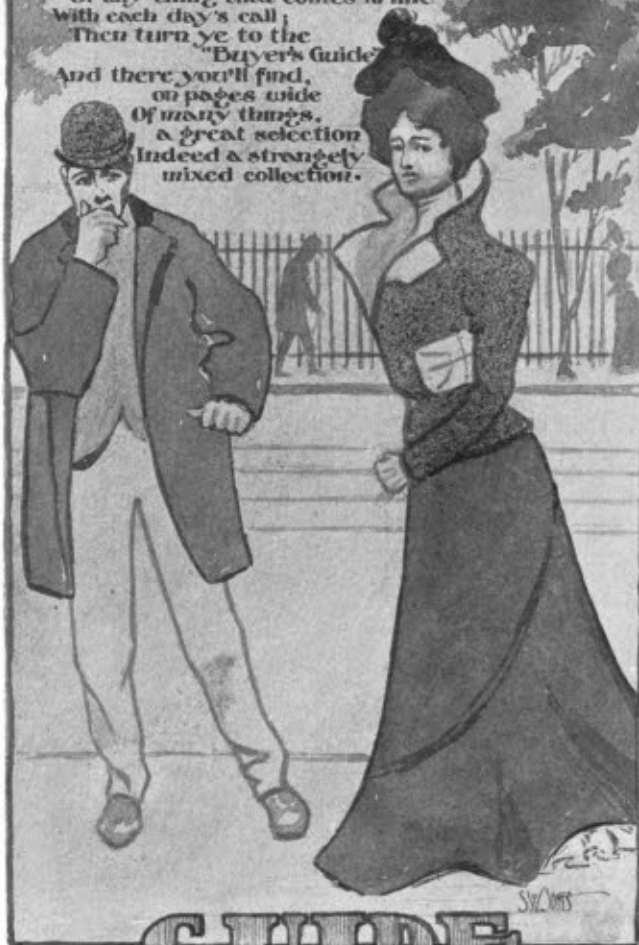
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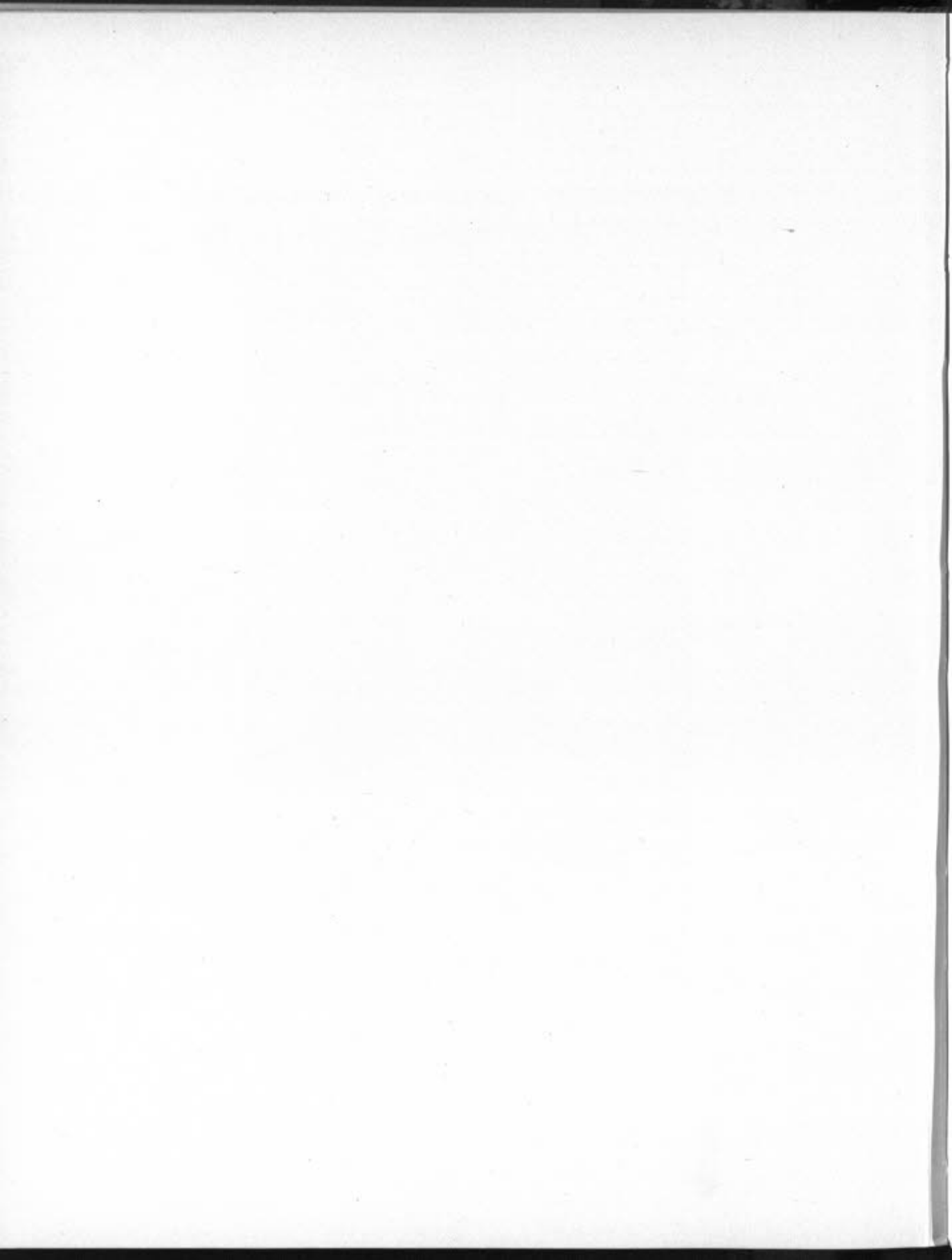
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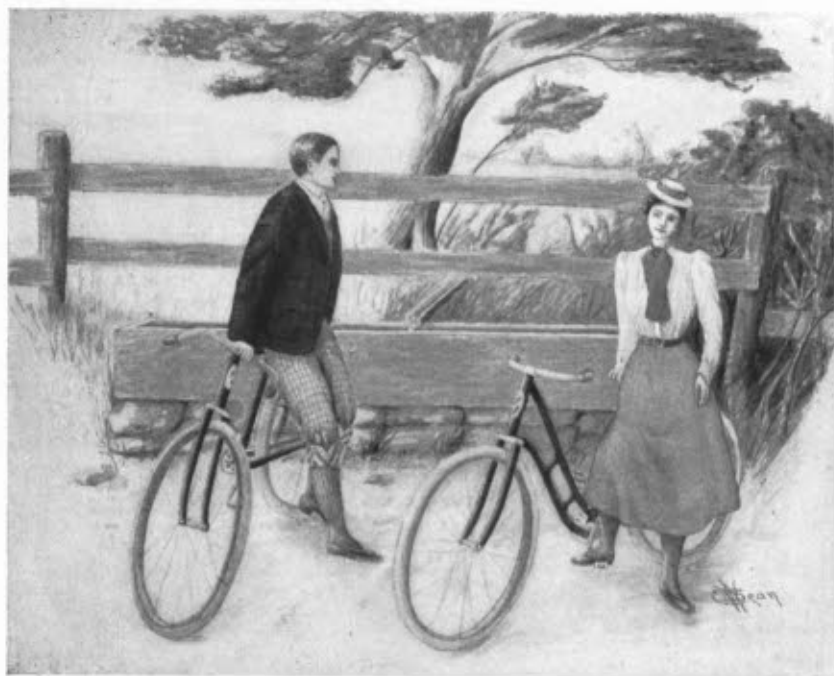


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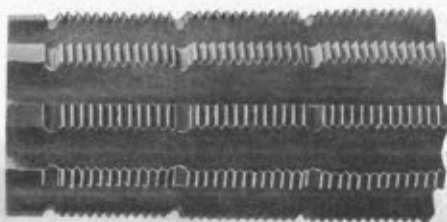
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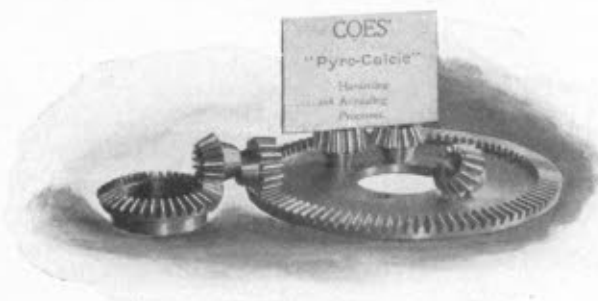
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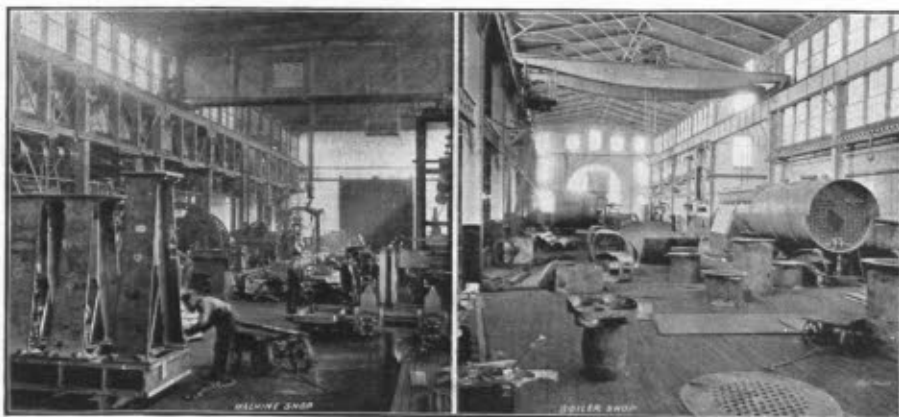
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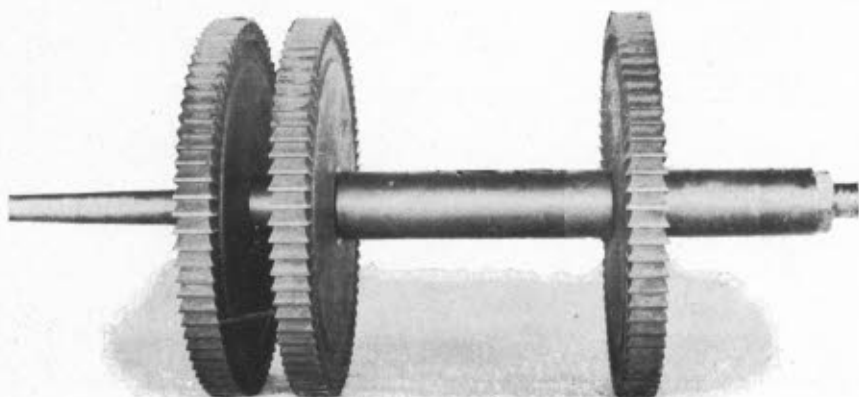
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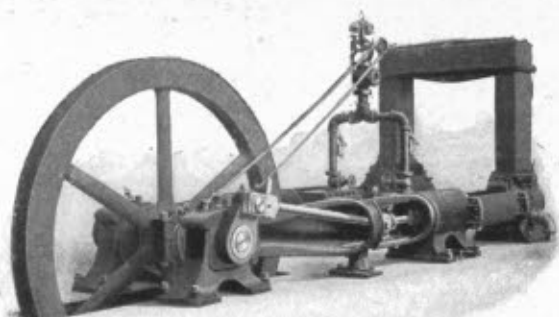


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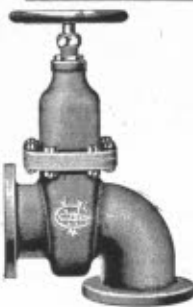
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For ... WATER, GAS, STEAM, OIL,  
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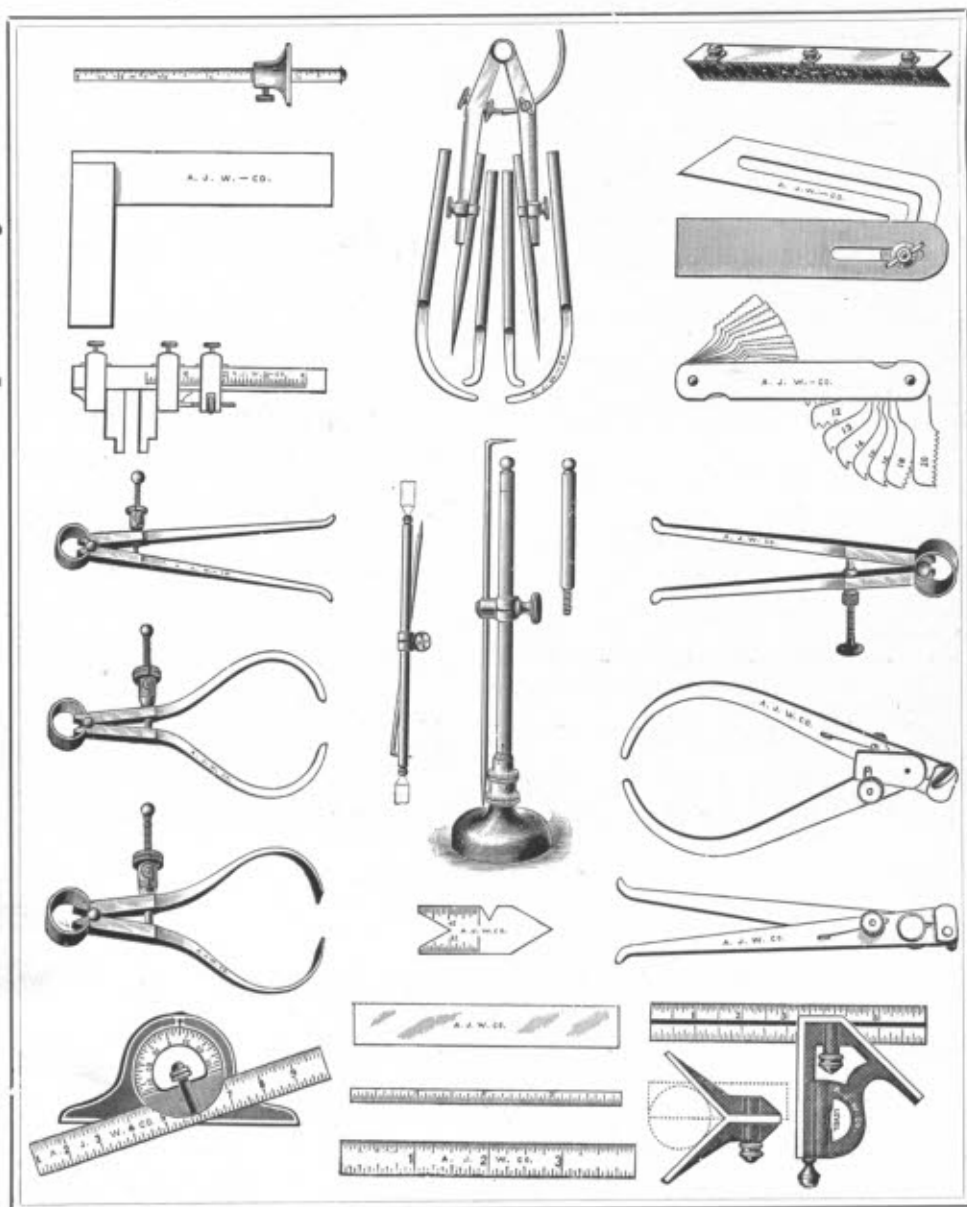
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SULPHATE OF SODA,  
STANNATE OF SODA,  
BI-SULPHATE SODA,  
CHLORIDE ALUMINA,  
IRON LIQUORS,

EXTRACT OF INDIGO,  
GLAUBER'S SALT,  
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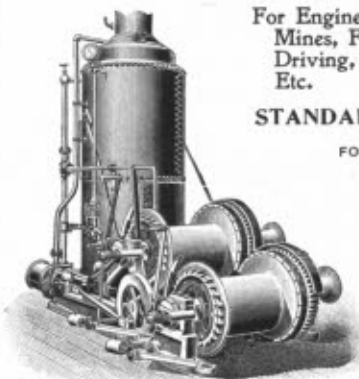
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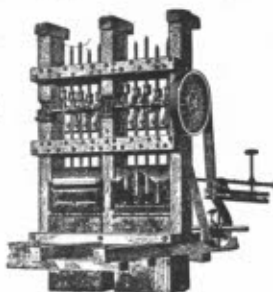
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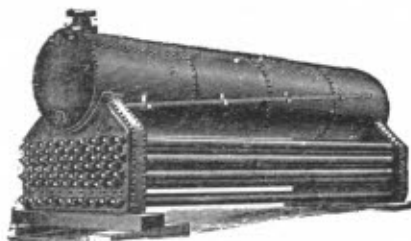


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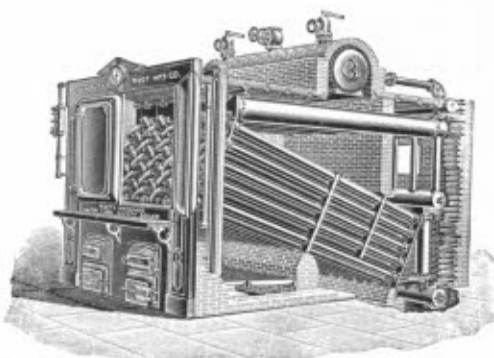
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Stands Unrivalled for Safety, Economy and Durability.  
Furnishes Dry Steam Rapidly.



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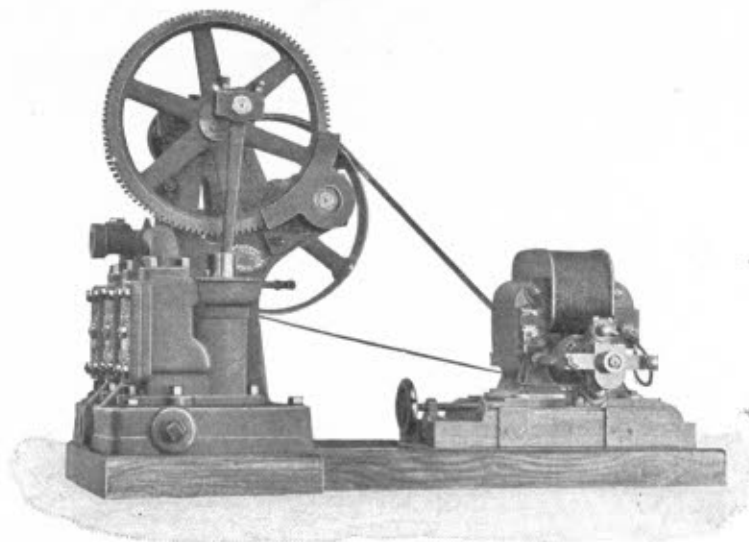
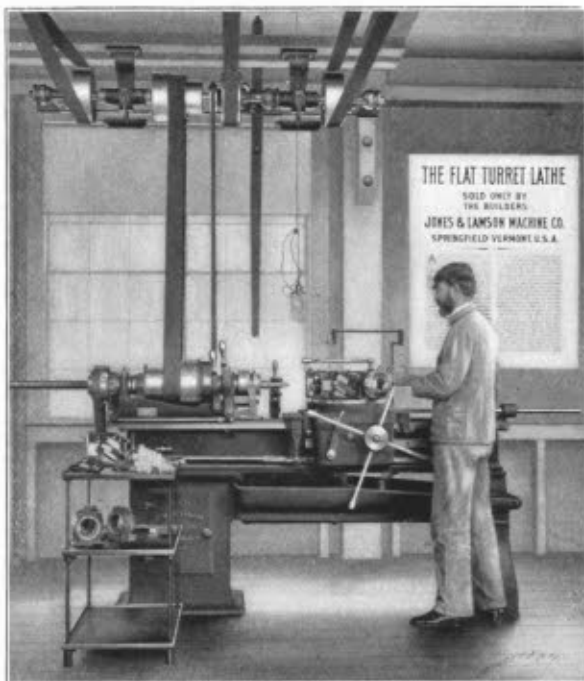


Figure 865.  
Size 2 x 3 Pump.  
One H. P. Motor.

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TRIPLEX  
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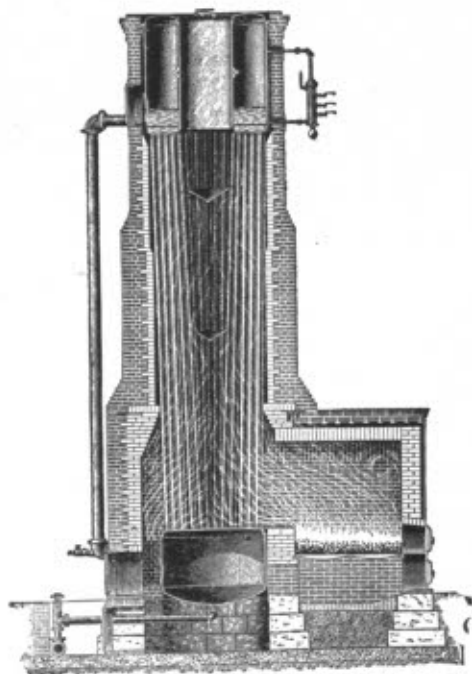
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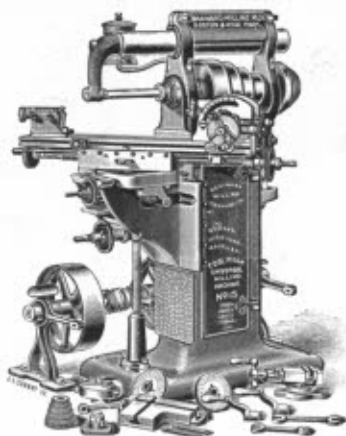
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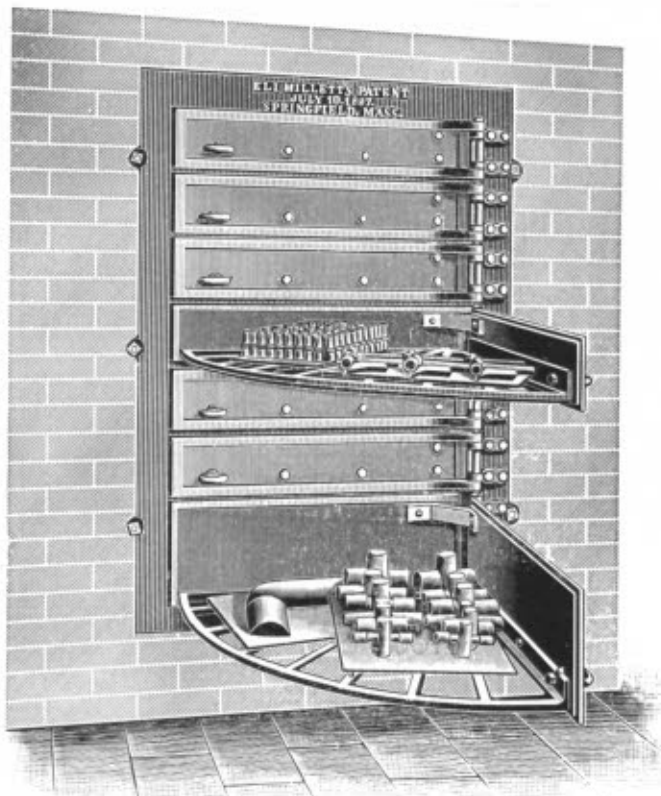
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DOUBLE DOORS,  
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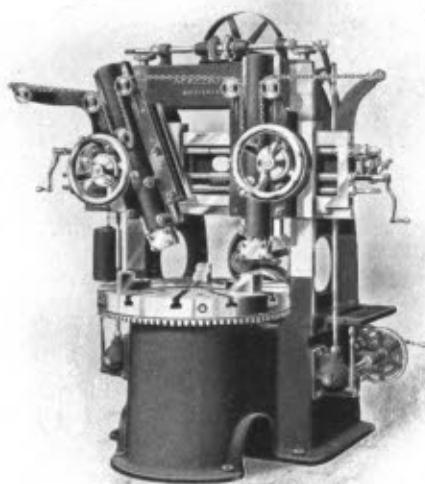
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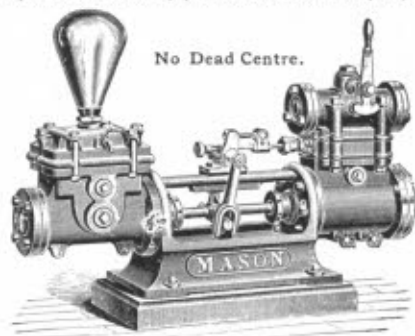
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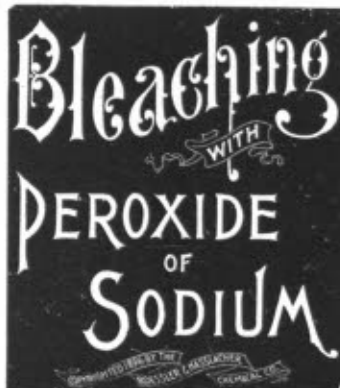
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ENGINES, GENERATORS,  
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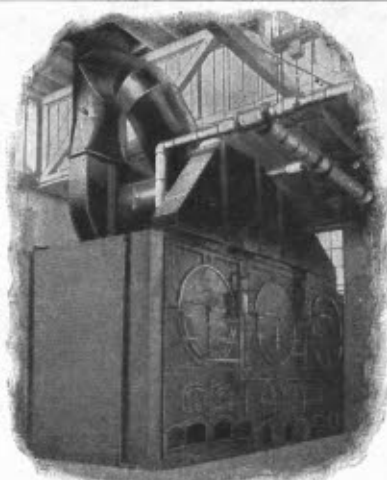
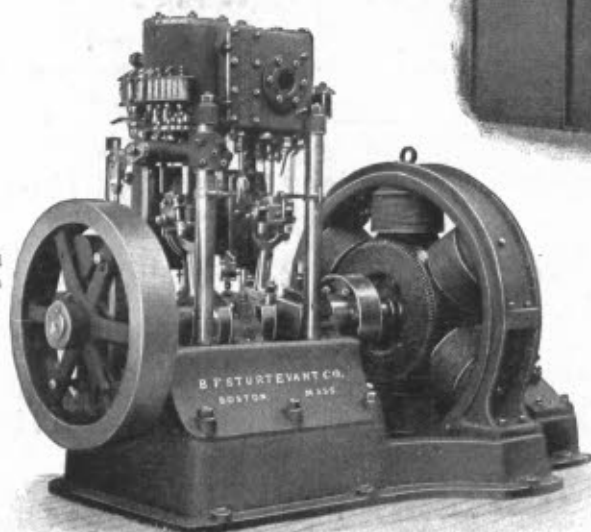
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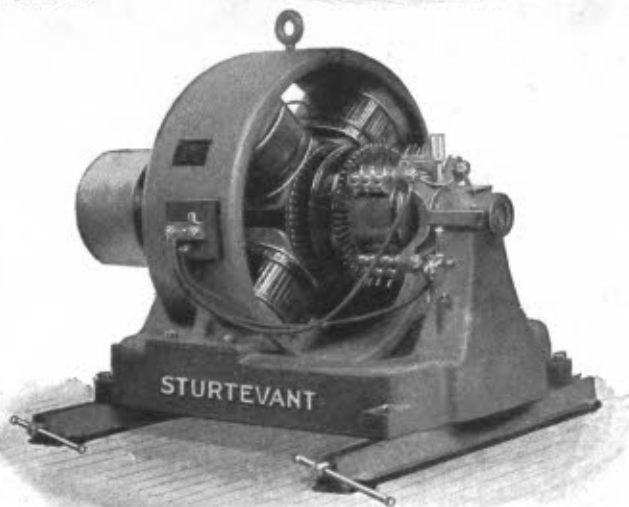
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BRASS AND  
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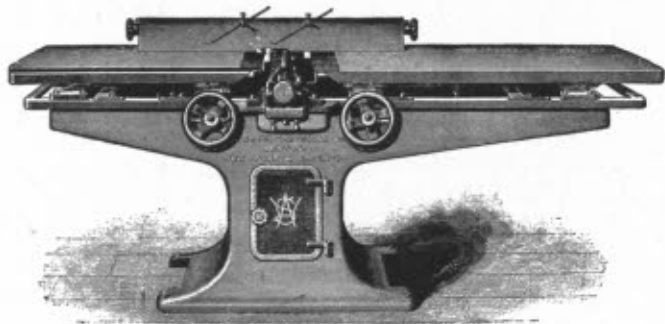
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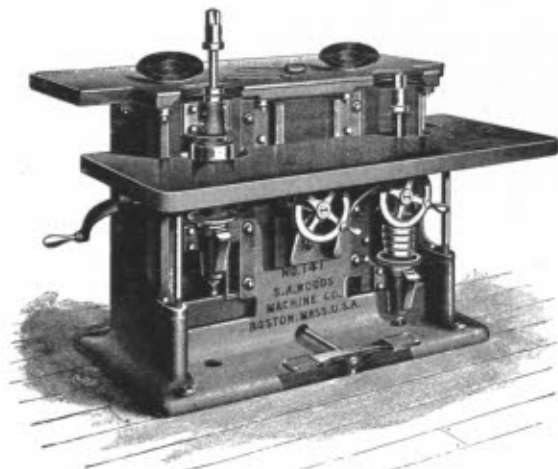


Nos. 98 and 99. Jointer or Buzz Planer.

Built 8, 12, 16, 20, and 24 inches wide, 5 or 7 foot tables.

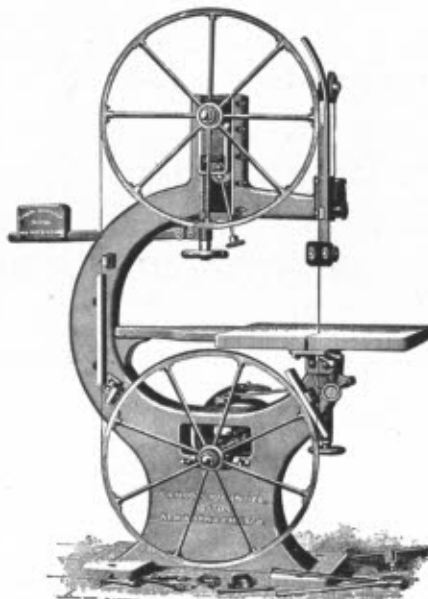
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furnished relative to  
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No. 141. Upright Moulder, with drop table.

No. 142. Similar Pattern, with fixed table.



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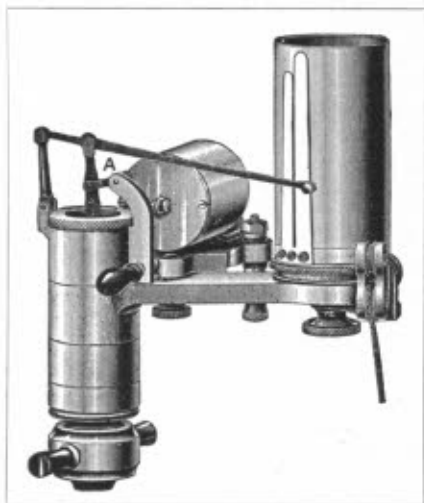
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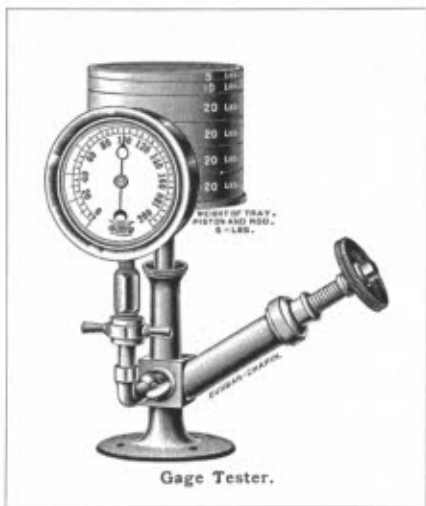
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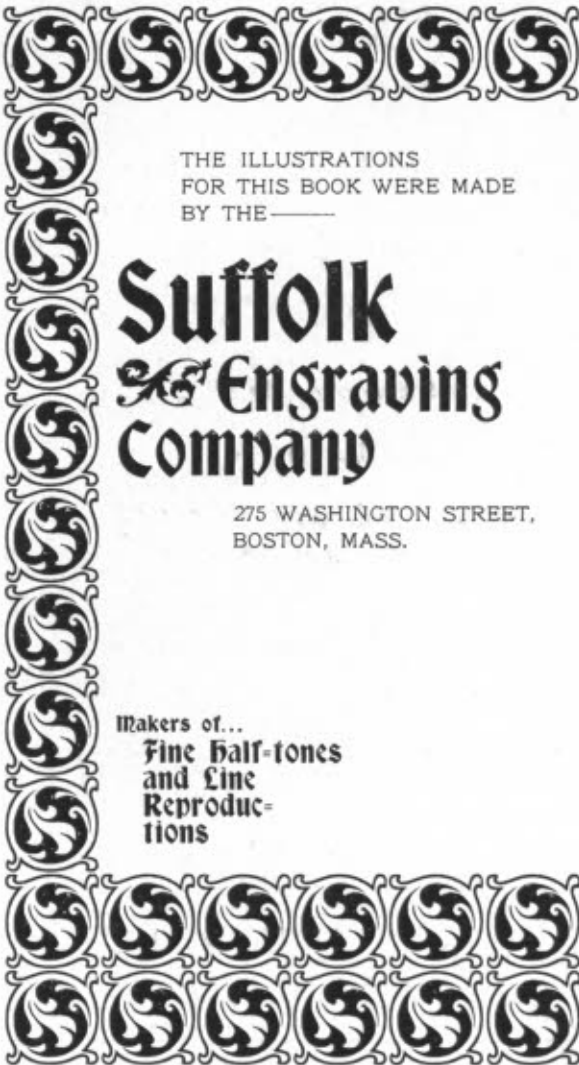
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