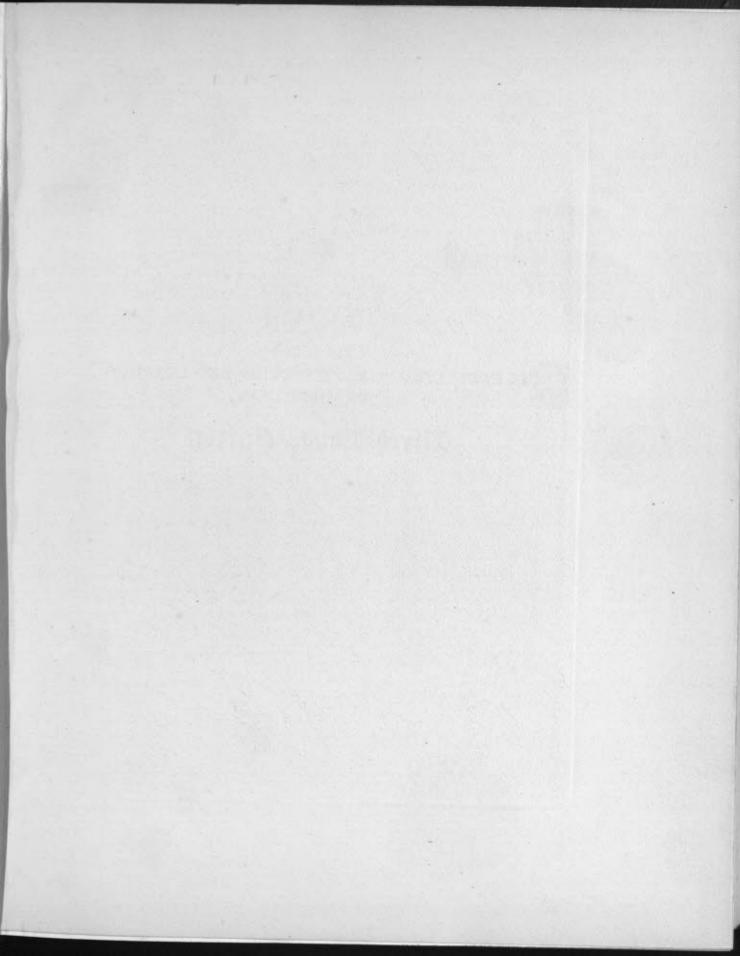


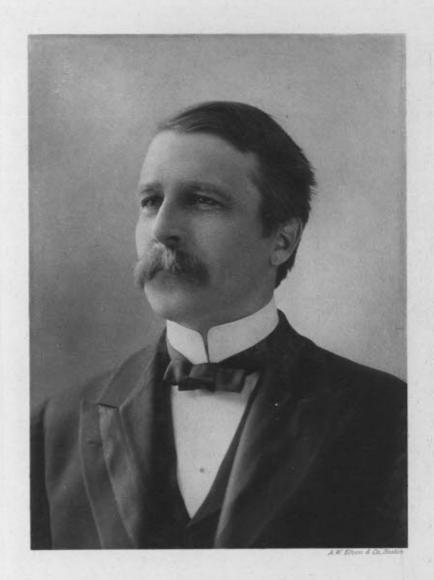
TECHNIQUE

VOLUME XVIII

This Book
IS DEDICATED WITH AFFECTION AND LOYALTY
TO OUR FIRST DEAN

Alfred Edgar Burton





afud E. Burton



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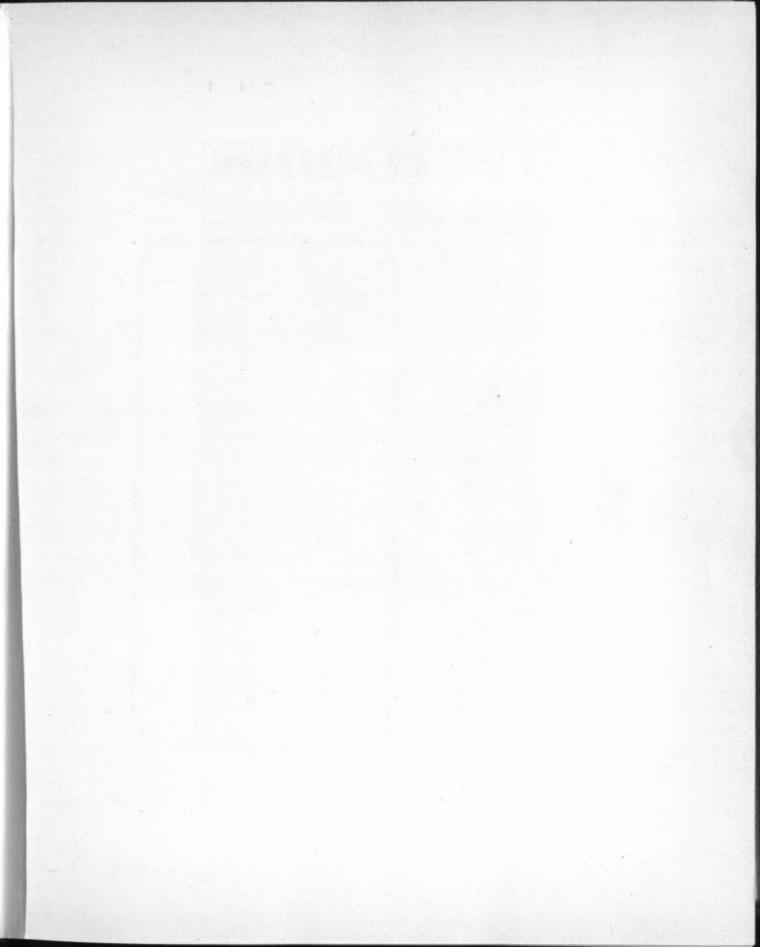
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TECHNIQUE



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April

1902

- Civil Engineering Society Meeting. Regular Meeting M. I. T. Y. M. C. A.
- Architectural Society Meeting.
 Tennis Association Meeting; J. R. Jones, '03, President. Junior Class Dinner; G. B. Wood, Toastmaster.
- Baseball—Melrose High School vs. M. I. T. 1904; Score: M. H. S., 10; '04, 11. Waltham High School vs. M. I. T. 1905; Score: W. H. S. 11; '05, 10.
- Annual Meeting Cross Country Association.
- Civil Engineering Society Dinner. Society of Arts Meeting. Athletic Athletic Association Meeting; K. C. Grant, '02, President.
- Mechanical Engineering Society Dinner. II
- Sophomore Class Dinner; C. L. Homer, Toastmaster.

 Baseball—Newton High School vs. M. I. T. 1904; Score: N. H. S., 16; '04, 6. Mechanic Arts High School vs. M. I. T. 1905; Score: M. A. H. S., 5; '05, 16.

 Baseball—Cambridge Maunal Training vs. M. I. T. 1904; Score: C. M. T's., 2; '04, 13.
- Freshman Class Dinner; F. S. Elliot, Toastmaster.
- 18-19 Spring Vacation.
 19 Baseball—Stoneham High School vs. M. I. T. 1905; Score: S. H. S., 12; '05, 19.
- Opening of Junior Week. 21
- Dress Rehearsal of Tech Show. Spring Concert of Musical Clubs at Paul Revere Hall. 1904 Technique Electoral Committee announced.
- Baseball—Harvard "Anythings" vs. M. I. T. 1904; Score: H. A., 5; '04, 4. Malden High School vs. M. I. T. 1905; Score: M. H. S., 14; '05, 7.

 TECHNIQUE 1903 issued. Tech Tea, Tech office. Junior Promenade at Hotel Somerset. Tech Show, "Applied Mechanics," Hollis-street Theatre.

 Spring Interclass Championship Meet at Soldiers Field; Score: Tie between '03 and '04. 23

- Baseball-Salem High School vs. M. I. T. 1905; Score: S. H. S., 9; '05, 6.

- Baseball—Civil Engineers; Score: East-siders, 28; West-siders, 17.
 2 1904 TECHNIQUE Electoral Committee Meeting. Mechanical Engineering Society Meeting. Competitive Drill, South Armory.
 - Baseball—M. I. T. 1904 vs. M. I. T. 1905; Score: '04, 7; '05, 6. Annual Cross Country Run; E. L. Ovington, '04, winner.
 - 1904 TECHNIQUE Electoral Committee Meeting.

May - Continued

- M. I. T. Y. M. C. A. Regular Meeting.
- Prize Drill, South Armory
- Atkins, Eastman and Fremmer elected Associate Editors of 1904 TECHNIQUE. Mass Meeting in Huntington Hall. Society of Arts Meeting.
- 10 Triangular Meet-Score: Brown, 22 1-2; Tech, 48; Dartmouth, 64 1-2.
- 1904 TECHNIQUE Elections—C. L. Homer, Athletic Editor; B. Gouscaren, Society Editor; G. H. Powell and A. J. Sweet, Statisticians.
- 1904 TECHNIQUE Elections-Hadley, Harrah and Blum, Associate Business Managers.
- Naval Architectural Society Dinner; H. Crosby, Toastmaster.
 Baseball—M. I. T. 1904 vs. M. I. T. 1905; Score: '04, 19; '05, 17.
 First Meeting 1904 TECHNIQUE Board; Atkins elected Editor-in-Chief; Hadley, Busi-
- ness Manager; Powell, Secretary. Electrical Engineering Society Meeting; J. W. Welsh, '03, President. Senior Port-22 folio issued.
- Installation of Chapters of $\Delta T \Delta$ and $\Phi K \Sigma$ Fraternities.
- Annual Examinations begin. 26
- N. E. I. A. A. Meet at Worcester, Mass.; M. I. T. wins fourth place.
- N. E. I. T. A. Championship in singles won by F. Bradley. Tech '02

June

- Alumni Association Reception to Class of 1902.
- Annual Examinations end. Glee Club Concert to 1902 in Huntington Hall.
- Baccalaureate Sermon to 1902 by Rev. George A. Gordon, D.D., at Old South Church. Class Day Exercises in Huntington Hall; L. A. Cates, First Marshal. Class Day Spread.
- Senior Dance in Pierce Building. Graduation Day. Last Meeting of 1902 at 9.30 a.m. Degrees Conferred. Dr. Pritchett's Reception to 1902. Tech Night at the Pops. College Year ends.

October

- Opening of College Year 1902-1903. President Pritchett's Address of Welcome to the
- Y. M. C. A. Reception to Class of 1906.
- Electrical Engineering Society Meeting.
- 1905 Class Meeting
- 1904 Class Meeting. E. B. Hill elected Captain of 1905 Football Team. Y. M. C. A.
- Annual Reconnoisance Survey of Junior Railroad Engineers.
- 1903 Board of Directors Meeting. Society of Arts Meeting. Address by Rev. W. Rainsford in Huntington Hall.
- IO
- Hare and Hounds Run at Winchester. II
- Institute Committee Meeting. 13
- Football—Brookline High School vs. M. I. T. 1905; Score: B. H. S., 5; '05, o. Mechanics Arts High School vs. M. I. T. 1906; Score: M. A. H. S., 0; '06, 5 Melrose High School vs. M. I. T. 1906; Score: M. H. S., 0; '06, 5.

 1903 Class Meeting. Cross Country Association Meeting.

 Walker Club Meeting; M. A. Schwartz, President. Electrical Engineering Society
- Meeting.
- Mechanical Engineering Society Meeting.
- Hare and Hounds Run from West Roxbury. Football-Dean Academy vs. M. I. T. 1905; Score: D. A., 44; '05, o. Civil Engineering Society Meeting. Architectural Society Supper at Technology Club.
- Y. M. C. A. Meeting. 21
- Society of Arts Meeting.

October - Continued

- Football-Brookline High School vs. M. I. T. 1905; Score: B. H. S., 5; '05, 11. Hare and Hounds Run from Wellesley Farm.
- Football-Newton High School vs. M. I. T. 1906; Score: N. H. S., 17; '06, o. 25
- Mandaman Dinner, Hotel Savoy. Mining Engineering Society Meeting. Mechanical Engineering Society Meeting.
- Technology Club's Reception to College Graduates at Tech. Football—Harvard, 1906 vs. M. I. T. 1906; Score, H. '06, 29; '06, o. Senior Elections; G. W. Swett, President. Sophomore Elections; R. N. Turner, President.

Robember

- Mandaman Club Meeting. Hammer and Tongs Dinner at Winter Place. Fall Meet at Tufts Oval.
- 1905 Class Meeting. Civil Engineering Society Meeting. Reception to the Faculty at Technology Chambers.
- Jones, '03, beat Langley, '04, in the finals of Tennis Tournament. Electrical Engineering Society Smoke Talk at Technology Club. Athletic Association Executive Committee Meeting. Junior Elections; P. M. Smith, President. Round Table Meeting.
- Football—Powder Point School vs. M. I. T. 1905; Score: P. P. S., 0; '05, 53. Tufts 1905 vs. M. I. T. 1906; Score: T. '05, 0; '06, 0.
- 11 1903 Class Meeting.
- 1906 Class Meeting.
- 13 Freshman Rules issued. Society of Arts Meeting. 1904 Class Meeting.
- 1905 Class Meeting. Hockey Association Meeting; F. A. Falvey, '05, President. Field Day, Charles River Park; Won by 1905; Score: '05, 6; '06, 3. Tech Night at the Columbia Theatre.
- Institute Committee Meeting. Jones, '03, and Langley, '04, beat Winchester, '03, and Marsh, '05, in Tennis Championship Doubles. Technology Club Smoke Talk. 1903 Class Meeting.
- 18
- Mechanical Engineering Society Meeting. IO
- 20
- 1904 Class Photograph taken. Preliminary Run for Cross Country Championship. Football—Course III vs. Salem High School; Score: III, 5; S. H. S., 5. Naval Architectural Society Dinner; P. R. Parker, Toastmaster.
- Walker Club Meeting. Mechanical Engineering Society Smoke Talk. 1906 Class Meeting. Round Table Meeting. 25
- 26
- Thanksgiving Holiday. Society of Arts Meeting. 28
- Cross Country Championship won by Thurber, 'o6. 20

December

- "Ladies' Night" at Technology Club. First Indoor Athletic Contest at the Gym.
- First Concert of Musical Clubs at Peabody, Mass.
- Architectural Society Meeting.
- Dinner to Participants in Field Day. 1906 Elections Close.
- Round Table Meeting. Institute Committee Meeting. Freshmen Elections; C. F. Wetterer, President. Y. M. C. A. Meeting.
- 10 Electrical Engineering Society Smoker.
- 1904 Class Meeting. 1904 Class Dinner; Dougherty, Toastmaster. Society of Arts Meeting. Reception to the Freshmen by Dean Burton.
- 1905 Class Meeting. Fencing Association Meeting. Civil Engineering Society Meeting.
- 13
- Freshman Military Dance at Paul Revere Hall.

 1904 Track Team Picture taken. Technology Club Smoke Talk.

 1903 Class Smoker. Exeter Club Meeting; W. F. Currier, '03, President.

December - Continued

16 Y. M. C. A. Meeting. Athletic Contest at Gym.

1903 Class Meeting.

18 Mechanical Engineering Society Meeting.

Reception to Freshmen by Dean Burton. Address by Major Higginson in Huntington Hall. Walker Club Dinner.

General Dinner at Tech Union. Christmas Holidays begin. 20

Alumni Association Annual Meeting and Dinner. 26

Christmas Holidays end. 20

Y. M. C. A. Meeting. Naval Architectural Supper. Seniors see the New Year in on Rogers steps. 30

31

1903

January

Architectural Society Meeting. 1904 Class Picture re-taken. General Geology Lecture by Dean Schaler. Mining Engineering Society Smoker.

Y. M. C. A. Meeting. Athletic Contest at Gym. Technology Club Smoke Talk. Architectural Society Smoker.

Musical Clubs' Concert. 1906 Class Meeting

Chemical Society Smoker. Society of Arts Meeting.

Fencing Association Competition. Civil Engineering Society Smoker. 1904 Class Directors' Meeting.

First Trials for Varsity Relay Team. Hockey-Harvard vs. M. I. T.; Score: H., 4; M. 10 I. T., 3

General Geology Lecture by Dean Schaler Y. M. C. A. Meeting. Athletic Contest at Gym. 13

General Geology Lecture by Dean Schaler.

Winter Meet at Gym won by 1904. Second Trials for Varsity Relay Team. Senior and Junior Recitations close. 16

17 Sophomore Recitations close.

24 Freshman Recitations close.

31 First Term ends.

february

1-10 Mid-Year Holiday.

Mass Meeting Addressed by President Lucius Tuttle. Electrical Engineering Society 13 Meeting.

B. A. A. Meet; Relay Race, M. I. T. vs. Bowdoin; won by M. I. T. (on foul).

Executive Committee of Athletic Association Meeting. Mandolin Club Trials, 1901 Annual class dinner at Union.

Y. M. C. A. Meeting. Musical Clubs' Concert at North Gate Club. All-round Contest at Gym.

Basketball-M. I. T. vs. Harvard 1905; Score: M. I. T., 23; H. '05, 42. Glee and Mandolin Clubs' Concert in Milton. Banjo Club Concert at Hotel Brunswick. 1905 Class

Electrical Engineering Society Excursion. Mining Engineering Society Meeting. 1902 Class Reunion at Union. 20

1906 Class Meeting 22

23 Basketball-M. I. T. vs. Boston Y. M. C. A.; Score: M. I. T., 18; Y. M. C. A., 53. Architectural Society Smoke Talk.

Y. M. C. A. Meeting. Naval Architectural Society Smoker; G. H. Powell, '04, elected President.

Mechanical Engineering Society Meeting. Fencing—M. I. T. vs. Boston Y. M. C. A.; Score: M. I. T., 4; Y. M. C. A., 5. Musical Clubs' Concert at Lexington. Exeter Club Dinner. 1903 Class Meeting. Society of Arts Meeting.

Tech Board Annual Dinner.

Meeting to form Chess Club. Basketball-M. I. T. vs. Andover; Score: M. I. T., 12; A., 19.

March

- Chemical Society Smoker 1905 Class Meeting.
- Y. M. C. A. Meeting. 1904 Class Meeting. Homer, Bouscaren, Powell, Hiller, Haynes elected Prom. Committee. Indoor Meet—M. I. T. vs. Tufts; Score: M. I. T., 45; T., 21. Basketball—M. I. T. vs. Brown; Score: M. I. T., 18; Brown, 28.
- 1904 Class Dinner.
- Walker Club Dinner. Chess Club Meeting. Basketball—M. I. T. vs. W. P. I.; Score: M. I. T. 9; W. P. I., 32. Hare and Hounds Run from Chestnut Hill.
- Y. M. C. A. Meeting. IO
- Mechanical Engineering Society Meeting. Basketball-M. I. T. vs. Haverhill Y. M. C. A. II Chess Club Meeting. Society of Arts Meeting. Fencing-M. I. T. vs. Harvard; Score: 12 M. I. T., 1; H., 8.
- Architectural Society Smoker. 13
- Hare and Hounds Run from Roxbury.

- Y. M. C. A. Meeting. Musical Clubs' Concert at Lynn.
 Senior Class Dinner at Hotel Lenox; W. M. Drury, Toastmaster.
 Freshman Class Meeting. Hare and Hounds Run from Wellesley Hills.
- Chemical Society Smoker.
- Mechanical Engineering Society Smoker.
- Naval Architectural Society Meeting.
- Y. M. C. A. Meeting. Electrical Engineering Society Smoker.
- 27 1905 Class Dinner.

April

- 9-10-11 Trial Games for Track Team.
- Class Championship Games. Opening of Junior Week. 24
- Dress Rehearsal of Tech Show.
- Musical Clubs' Concert and Dance.
 TECHNIQUE, VOLUME XVIII, issued at noon. The Tech Tea. Junior Promenade at Hotel Tuileries.

Dav

- The Tech Show, Hollis-street Theatre.
- 2 Dual Meet with Tufts.





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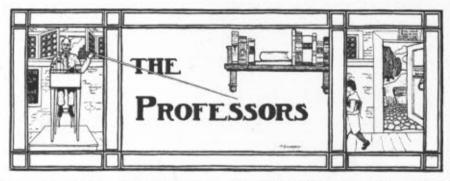
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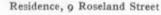
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HENRY SMITH PRITCHETT, Ph.D., LL.D., President. Ph.D., Munich; LL.D., Hamilton, University of Pennsylvania, Harvard University, Yale University, Johns Hopkins; A.B. and A.M., Pritchett College.

#President of the Corporation, Massachusetts Institute of Technology; Made Assistant Professor in the Naval Observatory, Washington, 1878; Astronomer in Morrison Observatory, Glasgow, Mo., 1880; Assistant Professor of Mathematics and Astronomy in Washington University, St. Louis, Mo., 1881; Assistant Astronomer on Transit of Venus Commission, 1882; Professor of Astronomy in Washington University, 1884; Elected President of the Academy of Science, St. Louis, 1892; Made a Ph.D. in Munich, 1895; Chosen Superintendent of the U.S. G. and C. Survey, 1897; President of the Massachusetts Institute of Technology, 1999.

Massachusetts Institute of Technology, 1900.

Report on Observations of the Total Eclipse of July 29, 1878;
Determination of the Rotation Period of Jupiter from Observations of the Great Red Spot; Observations of the Satellites of Mars; Observations of the Satellites of Mars; A Determination of the Mass of Mars; A Determination of the Diameter of Mars from Micrometric Observations, with a Discussion of Systematic Errors; Ephemeris of the Satellites of Mars; Observations of Comets; Determination of the Longitude of the Mexican National Observatory; The Transit of Mercury, 1891; Report of Washington University Eclipse Expedition; The Solar Carona of 1889 with Discussions of the Photographs (illustrated); Report on the Determination of Latitude and Longitude Morrison Observatory; A Formula for Predicting the Population of the United States; Observations of Double Stars and Personal Equation in Double Star Measure; Eclipses of Saturn's Satellites and Their Use in Determining the Planet's Diameter (with tables); Personal Equation in Time Observations; List of Observations of Double Stars, Comets and Small Planets in the Ast. Nachrichten, and a large number of publications in various Government Reports containing the results of Latitude, Longitude and Gravity determinations. Meridian Circle Observations, etc.; A Plan for an International Arc of the Meridian.



GEORGE A. OSBORNE, S.B., Walker 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; Walker Professor of Mathematics, from 1902.

Author of Examples in Differential Equations (1886), Differential

and Integral Calculus (1891), etc.

Residence, 249 Berkeley Street



Gu a Ostom

ROBERT H. RICHARDS, S.B., Professor of Mining Engineering and Metallurgy. M. I. T., '68, III.

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

Residence, 32 Eliot Street, Jamaica Plain



Robert N' Kichman

WILLIAM H. NILES, S.B., Ph.B., A.M., Professor of Geology and Geography, Emeritus.

#Professor of Physical Geography, Massachusetts Institute of Technology, 1871; Professor of Geology and Geography, Massachusetts Institute of Technology, from 1878; Lecturer on Geology, Wellesley College, 1882; Professor of Geology, Wellesley College, 1882; Professor of Natural History, 1892-97; President of the Boston Society of Natural History, 1892-97; President of the Appalachian Mountain Club. 1808.

dent 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, Copley Square Hotel, Boston



Mm H. Noles

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 from its establishment in 1882 till 1902.

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



Chas. R. Coop



Gastaro Laura

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

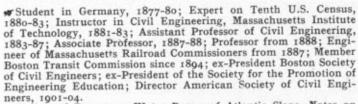
**Instructor, Massachusetts Institute of Technology, 1871-72; Assistant Professor, 1872-75; Professor of Theoretical and Applied Mechanics from 1875; also in charge of Department of Mechanical Engineering from 1883.

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

Notes on Friction (1887), etc.

Residence, 22 West Cedar Street

GEORGE F. SWAIN, S.B., M. Am. Soc. C. E., Hayward Professor of Civil Engineering. M. I. T., '77, I.



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, Journal of the Association of Engineering Societies, etc.

Residence, 435 Marlboro Street



George A. Levain



FW. Thanden.

FRANCIS W. CHANDLER, H. 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; Member of Art Commission, City of Boston; Honorary Member of American Institute of Architecture.

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

Residence, 195 Marlboro Street

WILLIAM T. SEDGWICK, Ph.B., Ph.D., Professor of Biology. Yale, S.S., '77; Berzelius Society; Ph.B., Yale, '77; Ph.D., Johns Hopkins, '81.

Instructor in Physiological Chemistry, Sheffield Scientific School of Yale University, 1878-79; Fellow, Assistant and Associate in Biology, Johns Hopkins University, Baltimore, 1879-83; Assistant Professor of Biology, Massachusetts Institute of Technology, 1883-84; Associate Professor, 1884-91; Professor from 1891; Biologist, State Board of Health, 1888-96; Chairman, Pauper Institutions Trustees, City of Boston, 1897-99; Curator, Lowell Institute, since 1897; President Massachusetts Civil Service Reform Association, 1900 and 1901; President Society American Bacteriologists, 1900; President American Society of Naturalists, 1901.

American Society of Naturalists, 1901.

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

Residence, Hotel Westminster



William 7 Serguick

DAVIS R. DEWEY, A.B., Ph.D., Professor of Economics and Statistics. University of Vermont, '79; $\Delta \Psi$, 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 since 1895; appointed member of Board to Investigate Charitable and Reformatory: Interests and Institutions of Massachusetts, 1896; member Department of Statistics, Boston, 1897—; appointed Special Expert Agent on Wages, U. S. Census, 1901.

U. S. Census, 1901.

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

Residence, 52 Eliot Street, Jamaica Plain

Residence, Lexington, Mass.



Dani R. DEWY

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.

Webster Wells

Engine Indicator (1900), etc.



6. 1. Prabody

CECIL H. PEABODY, S.B., Professor of Naval Architecture and Marine Engineering. M. I. T., '77, II.

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

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

Residence, 10 Columbia Street, Brookline



Hany In Tylu

HARRY W. TYLER, S.B., Ph.D., Professor of Mathematics, Secretary of the Faculty. 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, Technalogical Education in the United States, The Educational Work of Francis A. Walker, etc.

Residence, Gray Cliff Road, Newton Centre



Arlo Bater

ARLO BATES, A.M., Litt.D., Professor of English. Bowdoin, '76; A Δ Φ , Φ B K.

Editor of Broadside, 1878-9; 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 1892

nology, from 1893.

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

Residence, 4 Otis Place

D. DESPRADELLE, Rotch Professor of Architectural Design. Architect, D. P. L. G.

**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 Architects francais; took part in the Concours de Rome four times, and classed first with title of First Second Grand Prix in 1889; Lauréat of the Institut de France; Lauréat of the Salon, first medal in 1900, hors concours, purchased by the government of France; Officier d'Academie; Officier de l'Instruction publique; Assistant Inspector of State Buildings and National Palaces, and under this title helped in the Building of the New Ministry of Agriculture and Commerce, National Library, Bank of France, the mansion of M. Wilson and M.Grévy (ex-President), and various other public and private edifices.

Residence, 382 Commonwealth Avenue



Mespadele

PETER SCHWAMB, S.B., Professor of Machine Design and Director of the Mechanical Laboratories. M. I. T., '78, II.

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

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

Residence, 27 Water Street, Arlington



Peter Schwamb

C. FRANK ALLEN, S.B., 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 & Sante 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 & Sante Fe R. R., 1881-84; Secretary of the Society for the Promotion of Engineering Education, 1895-97; President of Massachusetts Highway Association, 1898-99; President Boston Society of Civil Engineers, 1899-1900; Vice-President of Society for Promotion of Engineering Education, 1898-99; Member of Executive Committee, New England Railroad Club, 1899-1903; Member of Committee on Roadway of American Railway Engineering and Maintenance of Way Association; Admitted to Practice Law in the Courts of New Mexico, 1885, and of Massachusetts, 1901; Member of Committee of Publication Technology Review, 1899-1901; 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.

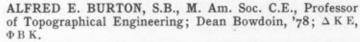
Residence, Montview Street, West Roxbury



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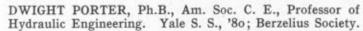


**Land Surveyor, 1878-79; Topographical Draughtsman and Topographer on U. S. Coast and Geodetic Survey, 1879-82; Commissioner on Massachusetts Topographical Survey, 1895-1900; in charge of Scientific Expedition to Umanak, Greenland, summer of 1896; in charge of Eclipse Expedition to Washington, Georgia,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

Author of several articles in Technology Quarterly, Review, etc.

Author of several articles in Technology Quarterly, Review, etc.

Residence, 58 Webster Street, West Newton



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 from 1896.

Author of Flood Discharge from Small Watersheds, Report upon

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, Water Power Streams of Maine, in Nineteenth Annual Report of the U. S. Geological Survey, Notes on Stereotomy and Warped Surfaces, etc.

Residence, 149 Hawthorne Street, Malden



Swight Porter

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

**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, 1891-98; Profe

lurgy, from 1898.



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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 1892-1901); Metallurgical Lead Exhibits at the Columbian Exposition (1893), Some 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 (1898); Influence of size of Particles on Resistance of Fire Clays to Heat and Fluxes (1898); The Temperature at which certain Ferrous and Calcic Silicates are Formed in Fusion and the Effect upon these Temperatures of the Presence of Certain Metallic Oxides; and the Metallurgy of Lead and the Desilverization of Base Bullion (1893-1901); Aluminum as a Reducing and Heat-Producing Agent (1902); Encyclopedia Britannica Supplement, articles on Lead and on Silver (1902), etc.

Residence, 88 Robinwood Avenue, Jamaica Plain

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

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

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

Residence, 273 Otis Street, West Newton



Muny O Zellet.

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

**Assistant in Analytical Chemistry, Massachusetts Institute of Technology, 1887-88; Instructor, 1890-94; Assistant Professor, 1894-97; Associate Professor of Organic Chemistry, 1897-99; Professor of Theoretical and Organic Chemistry, 1899-1902; Professor

of Theoretical Chemistry from 1902.

Author of A Detailed Course of Qualitative Analysis; of General Principles of Physical Science; of Laboratory Experiments on the Class Reactions and Identification of Organic Substances; and of

fifty articles in scientific journals.

Residence, 78 Westland Avenue, Boston



arthur a Noyes

A. RAMBEAU, Ph.D., Professor of Modern Languages. B.A., Wittenberg, 1871; Student at Halle, Marburg, and Paris, 1871-74, and, during different periods, after 1876; Ph.D., 1877, Licentiate, 1879, Marburg.

₩ Instructor in English, University of Marburg, 1878-79; Professor of French and English in several colleges, 1879-92; at last, in Hamburg; Associate in Romance Languages, 1893-94, and Associate Professor of Romance Languages, 1894-99, Johns Hopkins University, Baltimore; Professor of Modern Languages, Massachusetts In-

stitute of Technology, from 1899.

Author of some articles upon Egypt and the East; literary and philological studies upon the "Chanson de Roland," Chaucer and Dante, Adam de la Halle; a work upon Parisian pronunciation; educational studies and books for the use of students and teachers; and a great number of articles in American and European philological journals; assistant editor of a linguistic pedagogic periodical.

Residence, 5 F Walnut Park, Roxbury



A. Rambeau



Thomas E. Popus

THOMAS E. POPE, A.M., Professor of Inorganic 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, 1895-1900; Professor of General Chemistry from 1900.

Residence, Bockland Street, Brighton



William & Bard

WILLIAM BAIRD, Captain U. S. A., Professor of Military Science and Tactics. West Point, '75.

*Member Regular Army and Navy Union; Loyal Legion, Sons of Revolution; Society of Colonial Wars; National Geographic Society; Graduate, School of Military Signaling and Telegraphy, Fort Meyer, Va. 1881

Service with Sixth U. S. Cavalry, participating in the Chiricahua, Chimhuevi, Victorio, and Geronimo Campaigns. Explorations and Surveys for Wagon Routes in Tonto Basin, in Moqui and Navajo Country, 1877; Colorado Cañon, 1880. Inspector of Supplies, Shoshone Reservation, Wyo., 1891. Garrison Duty at Fort Leavenworth, Kan. "Infantry and Cavalry School," 1894. Retired, 1897 ("Disability in line of duty").

Residence, 20 Newbury Street



4. Theotic Depoles

GEORGE T. DIPPOLD, Ph.D., 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, 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 1895-1901; Professor from 1901.

Author of the Great Epics of Mediæval 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, 5 Verndale Street, Brookline

CHARLES F. A. CURRIER, A.B., A.M., Professor of History. Harvard University, '87; Φ 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, 1895-1901; Professor of History from 1901.

Residence, Winchester



Charles F. A. Currier

WILLIAM HOVGAARD, Captain Danish Navy, Professor of Naval Design. Royal Naval College, '86.

*Lieutenant of Danish Navy, 1879-97; Commander from 1897; On Technical Staff of the Copenhagen Navy Yard, 1886-94; Sub-Director of Burmeister and Wains Ship and Engine Company, 1895-97; Member of the Danish Transit of Venus Expedition to St. Croix,

Member of the Institute of Naval Architects and of the American Society of Naval Architects and Mining Engineers. Author of Submarine Boats, and also two books on Physical Exercise.

Residence, 17 Winthrop Street, West Newton



William Horgans

LOUIS DUNCAN, Ph.D., Professor of Electrical Engineering. Ph.D., Johns Hopkins University, '85.

* Graduate U. S. Naval Academy, 1880; Assisted Professor Rowland in the determination of the Ohm, 1882; Graduate of Course of Torpedo Instruction at Torpedo School, Newport, R. I., 1883; President of Board of Judges at International Electrical Exhibition, 1884; Resigned from Navy, 1886; Head of course of Applied Electricity at Johns Hopkins to 1898; Major in the First Regiment of Volunteer Engineers during Spanish-American War; Present Electrical Engineer for the New York Rapid Transit Commission and for several railroad and telephone companies; Professor of Electrical Engineering, Massachusetts Institute of Technology, from 1902.

Twice President of American Institute of Electrical Engineers; Member of Mathematical Society of France, and of the American Philosophical Society; Honorary Member of the Franklin Institute. Author of various scientific papers.



how Drueau

Residence, 1770 Beacon Street, Brookline



Linus Gaunce

LINUS FAUNCE, S.B., Associate Professor of Drawing. M. I. T., '77, II.

** Draughtsman 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



Dana O 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



JEROME SONDERICKER, S.B., C.E., Associate Professor of Applied Mechanics. S.B., University of Illinois, '80; C.E., University of Illinois, '83.

W 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 1889-99; Associate Professor from 1899.

Author of Notes on Graphic Statics, and papers published in Technology Quarterly and other Engineering periodicals.

Residence, 170 Oakleigh Road, Newton

J. Sondercker

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

Assistant, Massachusetts Institute of Technology, 1885-87; Instructor, 1887-91; Assistant Professor of Mechanism, 1891-99; Associate Professor from 1889.

Residence, Payson Park, Belmont



allyon L. Munill

EDWARD F. MILLER, S.B., M. Am. Soc. M. E., Associate Professor of Steam Engineering. M. I. T., '86, II.

Assistant, Massachusetts Institute of Technology, 1886-88; Instructor, 1888-92; Assistant Professor of Steam Engineering, 1892-

99; Associate Professor from 1899.

Author of a number of articles printed in the Transactions American Society of Mechanical Engineers, the Technology Quarterly, Machinery, and other Engineering papers, "Steam Boilers" (with C. H. Peabody), Waste Heat Engines (New England Water Works Association, Engineering News, Engineering Record); Foreign Technical Schools.

Residence, 538 Ward Street, Newton Centre



Edward F. Miller

FRANK VOGEL, A.B., A.M., Associate Professor of Modern Languages. Harvard University, '87; A Y.

₩ Professor of Modern Languages, Mitchell's Boys' School, Billerica, ■ Professor of Modern Languages, Mitchell's Boys' School, Billerica, Mass., 1887-88; Instructor in Modern Languages, Massachusetts Institute of Technology, 1888-92; Assistant Professor of Modern Languages, 1892-1900; Associate Professor from 1900; Graduate Student in Germanic Philology at Harvard University, 1888-92; Director of Modern Languages in the Normal Summer School of Languages and Science, Normal, Ill., 1890-92; Student in Germanic and Romance Philology, Heidelberg, Germany, 1893-94; Member of Boston School Committee, 1901-04; Instructor in German, Simmons College, 1902. Editor and Annotator of Chamisso's Peter Schlemihl's Wundersame Geschichte, Hauff's Lichtenstein, Storm's Geschichten aus der Tonne. A Scientific German Reader, and other publications.

Tonne, A Scientific German Reader, and other publications.

Residence, 95 Robinwood Avenue, Jamaica Plain



Frank Nogel



D. H. Woodbridge.

S. HOMER WOODBRIDGE, A.M., Associate Professor of Heating and Ventilation. Williams College, '73.

₩ Student at the Massachusetts Institute of Technology, 1874; Instructor in Physics, 1883-95; Assistant Professor, 1895-1900; Associate Professor from 1900.

Residence, Otis Street, West Newton



Ham L. Paffer

WILLIAM L. PUFFER, S.B., Associate Professor of Electrical Engineering. M. I. T., '84, III.

Assistant, Massachusetts Institute of Technology, 1884-86; Instructor, 1886-93; Assistant Professor, 1893-1901; Associate Professor from 1901; Member of the American Institute of Electrical Engineers, 1893; Consulting Electrical Engineer of the Inspection Department of the Factory Mutual Insurance Companies, 1894.

Residence, West Newton



Hy Hausman

WILLIAM H. LAWRENCE, S.B., Associate Professor of Architecture. M. I. T., '91, IV.

₩ Instructor in Architecture, 1891-96; Assistant Professor, 1896-1901; Associate Professor from 1901.

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

Residence, 34 Summer Street, Dorchester

WILLIAM O. CROSBY, S.B., Associate Professor of 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, 1892; Associate Professor of Geology, 1992;

Associate Professor of Geology, 1902.

Author of Geology of Eastern Massachusetts, Geology of the Boston Basin, Common Minerals and Rocks, Guides to Mineralogy and to Dynamical Geology and Petrography, Iables 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, 9 Park Lane, Jamaica Plain



W. Q. Groby

HARRY E. CLIFFORD, S.B., Associate Professor of Theoretical Electricity. M. I. T., '86, VI.; ⊕ Ξ.

Assistant in Physics, 1886-88; Instructor in Theoretical Physics, 1888-95; Assistant Professor in Theoretical Physics, 1895-1902; Associate Professor of Theoretical Electricity from 1902; Assistant in Harvard College Observatory, 1887

Harvard College Observatory, 1887.

Author of Notes on Heat, Derived Electrical Units, Elements of the Theory of Potential, and various papers published in the Technology Quarterly, Proceedings of the American Academy of Arts and Sciences, etc.

Residence, Newton Centre



A. E. Bejfort

WILLIAM H. WALKER, S.B., Ph.D., Φ K Σ , Associate Professor of Industrial Chemistry. S.B., Pennsylvania State College, '90; Ph.D., Gottingen, '92.

Instructor in Chemistry, Pennsylvania State College, 1892-94; Instructor, Massachusetts Institute of Technology, 1894-1900 Member of the firm of Little & Walker, Chemical Experts and Engineers, 1900—; Associate Professor Massachusetts Institute of Technology, 1902—.

Residence, 613 Walnut Street, Newtonville



WA Walk



Frederick H Badley

FREDERICK H. BAILEY, A.B., A.M., Assistant Professor of Mathematics. Harvard University, '87; Φ B K. A.B., Harvard University, '87; A.M., Harvard University, '89.

₩ Assistant in Mathematics, Harvard University, 1889-91; Instructor in Mathematics, Massachusetts Institute of Technology, 1891-93; Assistant Professor from 1893.

Author of Plane and Solid Analytic Geometry (with Professor

Woods, 1897).

Residence, 73 Wendell Street, Cambridge



Fred L. Bardurll

FRED L. BARDWELL, S.B., Assistant Professor of Inorganic 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, 11 Chamblet Street, Roxbury



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 Insti-tute of Technology, 1884-86; Instructor, 1887-88; Water Analyst State Board of Health, 1888; Instructor in Gas Analysis, Massachusetts Institute of Technology, 1880-94; Assistant Professor from

Author of various papers relating to Water, Gas, and Oil Analysis in the Journal of the American Chemical Society, English Analyst, Fresenius' Zeitschrift, and Technology Quarterly, Gas and Fuel Analysis for Engineers and A Short Handbook of Oil Analysis.

Residence, Canton

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, 1879-80; Mining in Colorado, 1880-81; Mine Superintendent 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, 99 Colchester Street, Longwood, Mass.



Richard It lodge.

FREDERICK S. WOODS, A.B., A.M., Ph.D., Assistant Professor of Mathematics. Wesleyan University, Ψ Y, Φ 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; Lecturer on Mathematics, Harvard University, 1898-99.

Author of Plane and Solid Analytic Geometry (with Professor Bailey, 1897); Papers in Mathematical Journals; Editor of Annals

of Mathematics.



Residence, 21 Church Street, Newton Farmik S. Words

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, 1880-89; Instructor in Biology, Massachusetts Institute of Technology, 1893-95; Assistant Professor of Biology from 1895.

Residence, 72 Pinckney Street, Boston



Theodore stongt



Joseph J. Skimmer

JOSEPH J. SKINNER, C.E., Ph.D., Assistant Professor of Mathematics. Yale, '69. Ph.B., '69, C.E., '74, Ph.D., '76, Yale.

time in Physics and French), Sheffield Scientific School, Yale, 1873-81; Computor and Draughtsman, Statistical Atlas of Ninth Census, 1873-75; Manager and Treasurer of the American Electric Company, 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.

papers in scientific journals.

Residence, Newton Centre



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; Curator of the Teachers' School of Science.

Author of Outline of Elementary Lithology, Outline of Dynamical and Structural Geology, and 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



antolone

ARTHUR G. ROBBINS, S.B., Assistant Professor of Highway Engineering. M. I. T., '86, I.

*Assistant, 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

FRANK A. LAWS, S.B., Assistant Professor of Electrical Testing. M. I. T., '80, VI.

#Assistant in Physics, 1889-91; Instructor in Physics, 1891-93; Instructor in Electrical Measurements, 1893-97; Assistant Professor of Electrical Measurements, 1897; Assistant Professor of Electrical Testing, 1902.

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, Salem



Frank A. Laure

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 1807.

Author of Laboratory Notes on Physico-Chemical Measurements; Notes on Physical Laboratory Experiments; Some Experimental Researches in Acoustics, 1890; Studien zur Voltasche Kette, 1892; The Fundamental Laws of Electrolytic Conduction, 1899; and various papers in scientific journals.

Residence, 232 Townsend Street, Roxbury



H. W. Godwin .

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

₩ Instructor, Massachusetts Institute of Technology, 1894; Assistant Professor from 1897. Residence, 158 Mt. Vernon Street



John Orline Summer



Along S. Pearson

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

Instructor, Massachusetts Institute of Technology, 1893; Assistant Professor from 1898. Author of the Principles of Composition.

Residence, Weston



Louis Derr

LOUIS DERR, M.A., S.B., Assistant Professor of Physics. Amherst, '89; M. I. T., '92, VI.; Δ Y, Φ B K. B.A., Amherst, '89; M.A., Amherst, '92; S.B., M. I. T., '92.

Assistant in Physics, Massachusetts Institute of Technology, 1892-93; Instructor in Physics, 1893-1900; Assistant Professor of Physics from 1900; in charge of Instruction in Physics, Boston Normal School of Gymnastics from 1894; Instructor in Physics, Boston University, from 1895.

Author of Notes on Methods of Telegraphy; Notes on Dynamo Design, and a number of articles in various technical publications.

Residence, 83 Centre Street, Brookline



G. V. Wendell

GEORGE V. WENDELL, S.B., Ph.D., Assistant Professor of Physics. M. I. T., '92, VIII.; Δ K E. S.B., M. I. T., '92; Ph.D., Leipzig, '98.

Assistant in Physics, Massachusetts Institute of Technology, 1892-93; Instructor in Physics, 1893-1900; Savage Fellow of Massachusetts Institute of Technology, studying in Leipzig, 1896-98; Honorary Fellow of Massachusetts Institute of Technology, studying in Berlin, 1808-00; Assistant Professor of Physics from 1900.

in Berlin, 1898-99; Assistant Professor of Physics from 1900.

Author of Ueber die Rotations Dispersion der Weinsäure und des
Terpentinöls; Paper on some Experiments with the Phonograph
relating to the Vowel Theory of Helmholtz; Secretary of society of
Arts, 1899-1902, Massachusetts Institute of Technology.

Residence, 39 Cedar Street, Somerville

WILLIS R. WHITNEY, S.B., Ph.D., Assistant Professor of Theoretical Chemistry and Proximate Technical Analysis. M. I. T., '90, V. S.B., M. I. T., '90; Ph.D., Leipzig, '96.

Assistant in Chemistry, Massachusetts Institute of Technology, 1890-94; Instructor in Chemistry, 1896-1900; Assistant Professor of Theoretical Chemistry from 1900; studying in Leipzig, 1894-96; studying in Paris in 1896.

Translator of Le Blanc's Electro-Chemistry and Author of several papers in Scientific Journals; Electro-Chemist for the General Electric Company.

Residence, Hotel Nottingham



W. R. Whitney

FRANK H. THORP, S.B., Ph.D., Assistant Professor of Industrial Chemistry. M. I. T., '89, V. S.B., M. I. T., '89; Ph.D., University of Heidelberg, '93.

Assistant in Industrial Chemistry, Massachusetts Institute of Technology, 1889-91; Instructor, 1894-1900; Assistant Professor, 1900; Experiments on the Production of Boiled Linseed Oil (1890). Author of Ueber die Oxime der Substituierten Benzophenone (1893); A Review of Some Improvements in Chemical Industry (1896); Ignorganic Chemical Preparations (1896); Outlines of Industrial Chemistry (1898).

Residence, Oriole Street, West Roxbury



Frank H. Norp.

CHARLES E. FULLER, S.B., Assistant Professor of Mechancal Engineering. M. I. T., '92, II.

#Assistant in Mechanical Engineering, Massachusetts Institute of Technology, 1892-94; Instructor of Mechanical Engineering, 1894-1900; Assistant Professor of Mechanical Engineering from 1900.

Residence, Wellesley



Charles & Fuller



William & Johnston.

WILLIAM A. JOHNSTON, S.B., M. Am. Soc. M.E., Assistant Professor of Mechanical Engineering. M. I. T., '92, II.

*Assistant in Mechanical Engineering, Massachusetts Institute of Technology, 1892-94; Instructor, Mechanical Engineering, 1894-1900; Assistant Professor of Mechanical Engineering from

Residence, Belmont



Chube Frank

CHARLES F. PARK, S.B., Assistant Professor of Mechanical Engineering. M. I. T., '92, II.

**Assistant in Mechanical Engineering, Massachusetts Institute of Technology, 1802-04; Instructor of Mechanical Engineering, 1894-1900; Assistant Professor of Mechanical Engineering from

Residence, 21 Prospect Street, Taunton



Charles L. Norton

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

Assistant in Physics, Massachusetts Institute of Technology, 1893-95; Instructor in Physics, 1895-99; Instructor in Heat Meas-

urements, 1899-1900; Assistant Professor from 1900; in Charge of the Insurance Engineering Experiment Station, 1902.
Contributed to various publications, papers on Fire Protection, Heat Conduction, The Protection of Steam-Heated Surfaces, The Application of X-rays to Medicinal Diagnoses, The Illumination of Interiors by Ribbed and Prismatic Glass, Electric Furnaces, etc.

Residence, Union Street, Manchester

HENRY FAY, A.B., Ph.D., Assistant Professor of Analytical Chemistry and Metallography. A.B., Lafayette College, '89; Ph.D., Johns Hopkins University, '95.

#Instructor in Analytical Chemistry, Massachusetts Institute of Technology, 1895-1900; Assistant Professor from 1900.

Author of the Action of Light on Some Organic Acids in the Presence of Uranium Salts; The Effect of Annealing upon the Physical Properties and the Microstructure of a Low Carbon Steel; The Nature of Lead Amalgams, and various other papers.

Residence, 16 Marlboro Street



Henry Fay .

JAMES F. NORRIS, A.B., Ph.D., Assistant Professor of Organic Chemistry. Johns Hopkins University, '92; Φ B K. A.B., Johns Hopkins University, '92; Ph.D., Johns Hopkins, '95.

#Assistant in Chemistry, Massachusetts Institute of Technology, 1895-96; Instructor in Chemistry, 1896-1900; Assistant Professor from 1900; Secretary of the Society of Arts; Secretary of the Johns Hopkins Club of New England.

Author of about twenty papers on Chemistry published in the American Chemical Journal.

Residence, 124 Anawan Avenue, West Roxbury



James & narrie

F. JEWETT MOORE, B.A., Ph.D., X Φ, Assistant Professor of Analytical Chemistry. B.A., Amherst, '89; Ph.D., Heidelberg, '93.

M Assistant in Chemistry, Amherst College, 1889-90; Instructor in General Chemistry, Cornell University, 1893-94; Assistant in Analytical Chemistry, Massachusetts Institute of Technology, 1894-95; Instructor, 1895-1902; Assistant Professor from 1902. Author of occasional scientific papers.

Residence, 220 Marlborough Street



t.J. moon



JAMES LOCKE, A.B., Ph.D., Assistant Professor of Inorganic Chemistry. A.B., Yale, '90; Ph.D., Heidelberg, '95; Δ K E, Yale.

Finstructor in Chemistry, Sheffield Scientific School, 1897-1902; Assistant Professor of Inorganic Chemistry at Massachusetts Institute of Technology since 1902.

Author of papers on Inorganic Chemistry and Mineralogical Chemistry published in the American Chemical Journal and Zeits-

chrift für anorganische Chemie, 1892-1902.

Residence, 23 Dudley Street, Brookline

James Locke

PERCIVAL LOWELL, A.B., Non-resident Professor of Astronomy

ELIHU THOMSON, Non-resident Professor of Applied Electricity



HENRY K. BURRISON, S.B. M. I. T., '75, I.

Instructor in Mechanical Drawing and Descriptive Geometry 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

CHARIES L. ADAMS

Instructor in Freehand Drawing

Residence: 256 Lamartine Street, Jamaica Plain Instructor in Inorganic Chemistry

PETER S. BURNS, Ph.D. Iowa State College, '86; Delta Tau Delta

Residence: Milton

Instructor in Mathematics

NATHAN R. GEORGE, Jr., A.M. Harvard, '90; Theta Delta Chi; Phi Beta Kappa Residence: 208 Huntington Avenue

LEONARD M. PASSANO, A.B.

Instructor in Mathematics

Johns Hopkins, '89

Residence: 5 Cottage Avenue, Winchester

JOSEPH BLACHSTEIN

Instructor in Modern Languages Realschule erster Ordnung, Hanover, '68; Institution Springer, Paris,'70 Residence: 691 Parker Street, Roxbury

ROBERT P. BIGELOW, Ph.D.

Instructor in Biology; Librarian S.B., Harvard, '87; Beta Theta Pi; Ph.D., Johns Hopkins, '92

Residence: 72 Pinckney Street

BENJAMIN E. CARTER, Jr., A.M. Harvard, '90

Instructor in Mathematics

Residence: 176 Huntington Avenue

SAMUEL P. MULLIKEN, Ph.D.

Instructor in Organic Chemistry

S.B., M. I. T., '87, V.; Ph.D., Leipzig, '90

Residence: 51 Bromfield Street, Newburyport

- GEORGE W. ROLFE, A.M. Instructor in Sugar Analysis A.B., Harvard, '85; A.M., Harvard, '86; Delta Upsilon; Pi Eta Residence: 322 Harvard Street, Cambridge
- L. KIMBALL RUSSELL, S.B. Instructor in Inorganic Chemistry M. I. T., '86, V.

 Residence: 128 Medford Street, Arlington
- ERVIN KENISON, S.B.

 M. I. T., '93, II.

 Residence: 109 Magoun Avenue, Medford
- KILBURN S. SWEET, S.B. Instructor in Civil Engineering M. I. T., '93, I.

 Residence: 33 Coolidge Road, Allston
- W. FELTON BROWN Instructor in Freehand Drawing
 Residence: 35 Glenwood Street, Roxbury
- JUSTUS ERHARDT, A.B. Instructor in Modern Languages
 Residence: 10 Arlington Street, Boston
- HARRY W. GARDNER, S.B.

 M. I. T., '94, IV.

 Residence: 90 Corey Street, Roxbury
- GEORGE B. HAVEN, S.B.
 M. I. T., '94, II.

 Residence: Needham
- FRANK P. McKIBBEN, S.B.

 M. I. T., '94, I.

 Residence: 42 Newbury Street, Newton Centre
- JOSEPH W. PHELAN, S.B. Instructor in Inorganic Chemistry M. I. T., '94, V. Residence: 754 Center Street, Jamaica Plain
- SAMUEL C. PRESCOTT, S.B.

 M. I. T., '94, V.

 Residence: 334 Broadway, Cambridge
- ARCHER T. ROBINSON, A.B.

 Harvard, '96; Phi Beta Kappa

 Residence: 14 Biltmore Street, Jamaica Plain
- ARTHUR W. WEYSSE, Ph.D.

 A.B., Harvard, '91; A.M., Harvard, '92; Ph.D., Harvard, '94

 Residence: 3 Albemarle Chambers, Boston
- HARRY C. BRADLEY, S.B.

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

 Residence: 103 Gainsboro' Street, Boston

 Instructor in Mechanical Drawing and Descriptive Geometry

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

Instructor in Civil Engineering

Residence: 39 Churchill Avenue, Newtonville

RALPH R. LAWRENCE, S.B. M. I. T., '95, VI.

Instructor in Electrical Engineering

Residence: 34 Sumner Street, Dorchester

FRANCIS HAROLD DIKE, A.B. Columbia, '97

Instructor in Modern Languages

Residence: 21 West Cedar Street

GEORGE L. HOSMER

Instructor in Civil Engineering

Residence: 100 Green Street, Melrose Highlands

ALPHEUS G. WOODMAN, S.B. M. I. T., '97, V.

Instructor in Sanitary Chemistry

Residence: 4 Union Park Street

WILLIAM T. HALL, S.B. M. I. T., '95, V.

Instructor in Analytical Chemistry

Residence: 366 Commonwealth Avenue

JOSEPH C. RILEY, S.B.

Instructor in Mechanical Engineering

M. I. T., '98, II.

Residence: 15 Spring Park Avenue, Jamaica Plain

WILLIAM D. COOLIDGE, Ph.D.

Instructor in Theoretical Chemistry

M. I. T., '96, VI.

Residence: 166 West Canton Street, Boston

CHARLES W. BERRY, S.B.

Instructor in Mechanical Engineering

M. I. T., '95, VI.

Residence: 6 Center Street, Somerville

WALTER S. LELAND, S.B.

Instructor in Naval Architecture

M. I. T., '96, XIII.

Residence: South Framingham

CHARLES H. WARREN, Ph.D.

Instructor in Mineralogy

Residence: 74 Buckingham Street, Cambridge

WILLIAM J. DRISKO M. I. T., '95, VIII.

Instructor in Physics

Residence: 24 Park Avenue, Malden

CHARLES B. BREED, S.B.

Instructor in Civil Engineering

M. I. T., '97, I.

Residence: 17 Oakville Street, Lynn

HARRISON W. SMITH, A.B., S.B.

Instructor in Electrical Engineering

Harvard, '95; M. I. T., '97, II.; Delta Upsilon

Residence: 40 Mill Street, Dorchester

MAURICE DeK. THOMPSON, Jr., S.B. (Absent) Instructor in Electro-Chemistry M. I. T., '98, VIII; Delta Kappa Epsilon

CHARLES-EDWARD A. WINSLOW, S.M. M. I. T., '98, VII.

Instructor in Biology

Instructor in English

Residence: Hotel Oxford, Boston

REGINALD R. GOODELL, M.A. Instructor in Modern Languages
Bowdoin; Delta Kappa Epsilon
Residence: Technology Club, 83 Newbury Street

CHARLES E. LOCKE, S.B. Instructor in Mining and Metallurgy M. I. T., '96, III.

Residence: 16 Concord Street

HENRY L. SEAVER, A.B.

Harvard
Residence: 39 Allston Street, Dorchester

HARRISON W. HAYWARD, S.B. Instructor in Mechanical Engineering M. I. T., '96

Residence: 79 Milton Avenue, Hyde Park

GEORGE W. FIELD, A.B., Ph.D. Instructor in Economic Biology A.B., Brown, '87; Ph.D., Johns Hopkins, '92

Residence: Sharon, Mass.

ROBERT G. VALANTINE, A.B. Instructor in English Harvard, '96

CHARLES W. HASKINS, Ph.D. Instructor in Mathematics S.B., M. I. T., '97; S.M., Harvard, '99; A.M., Ph.D., Harvard, '00 Residence: New Bedford, Mass.

Residence: 1 Willow Street, Boston

FREDERICK R. KNEELAND, S.B. Instructor in Analytical Chemistry Columbia, '99

Residence: Technology Chambers, Boston

HERMANN KURRELMEYER, Ph.D. Instructor in Modern Languages B.A., Johns Hopkins, '99; Ph.D., Johns Hopkins, '02

Residence, Boston

ERNEST A. MILLER, B.S., A.M. Instructor in Mathematics B.S., Cornell, '99; A.M., Columbia, '00

Residence; 7 Claremont Park, Boston



OSCAR W. PICKERING WALTER H. JAMES, S.B. EDWARD E. BUGBEE, S.B. TIMOTHY C. O'HEARN, S.B. LAWRENCE S. SMITH, S.B. FRANCIS E. CADY, S.B. FREDERICK G. CLAPP, S.B. HARRY E. DART, S.B. CLINTON M. DEARDEN, S.B. HARRY R. WHITE, S.B. ROY G. BURNHAM, S.B. CLIFFORD M. SWAN, S.B. ALLEN L. APPLETON, S.B. CHAUNCEY C. BATCHELOR, A.B. LEWIS P. CHAPIN, Ch.E., Ph.D. ARTHUR ELSON, A.B., S.B. HENRY A. FERRIN, S.B. ARCHIBALD GARDNER, S.B. ARTHUR L. GOODRICH, S.B. KENNETH C. GRANT, S.B. WALTER S. HANNA, C.E. CHARLES B. HOLLIS, S.B. S. COLVILLE LIND, A.B., S.B. BENJAMIN G. MACINTIRE, S.B. CHAMPION H. MATTHEWSON, Ph.B. ARTHUR T. NELSON, S.B. NEWELL C. PAGE, S.B. FRED C. RANDALL, S.B. WILLIAM H. REED, Jr., A.M. IRVING W. REYNOLDS, S.B. CHARLES A. SAWYER, Jr., S.B. CHARLES WINTHROP SAWYER HERBERT L. SHERMAN, S.B. CHARLES H. SISSON, A.B., S.B. CLARENCE D. STOOR, S.B. ORLANDO S. STOCKMAN, S.B. WILLIS H. TOWNE, S.B. ROYAL L. WALES, S.B. HERBERT S. WALKER, A.B. FRANCIS C. WARE, A.B. CHARLES F. WILLARD, S.B. ROBERT S. WILLIAMS, S.B. DAVID L. WING, S.B.

Inorganic Chemistry Mechanical Engineering Mining Engineering Mechanical Engineering Mechanical Engineering Physics Geology Electrical Engineering Electro-Chemistry Mechanical Engineering Mechanical Engineering Physics Naval Architecture English Inorganic Chemistry Mechanical Drawing Mechanical Engineering Mechanical Engineering Mechanical Drawing Civil Engineering Civil Engineering Mining Engineering Analytical Chemistry Industrial Chemistry Inorganic Chemistry Civil Engineering Physics Physics Modern Languages Physics Mining Engineering Freehand Drawing Geology Mining Engineering Mechanical Engineering Heat Measurements Mechanical Drawing Oil and Gas Analysis Analytical Chemistry Inorganic Chemistry Marine Engineering Analytical Chemistry Economics



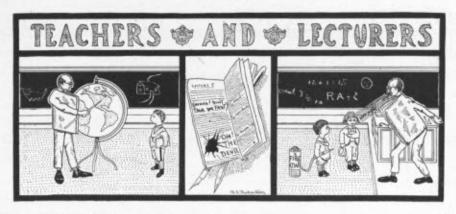
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ROBERT H. SMITH .		- 5	Instructor in Machine-Tool Work
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CHARLES E. LITTLEFIELI			. Assistant in Machine-Tool Work
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JEREMIAH F. O'NEILL			Assistant in Woodwork and Foundry-work



Medical Adviser, Lecturer on Personal Hygiene FRANKLIN W. WHITE, S.B., M.D.



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JOHN STONE STONE		The	Applic	ation of	f Electrica	l Oscillations in T	elephony
ELIHU THOMSON .				Recent	Developn	nents in Applied E	lectricity
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W. LYMAN UNDERWOOD		-		8:		Public Health	Problems
C. HOWARD WALKER			9.	.6		History of ()rnament
JASPER WHITING, S.B.		-			T	he Manufacture o	f Cement
S. W. WILDER, Jr., S.B.		22	- 12		Alumin	a and Alumina Co	mpounds



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NATHANIEL S. SHALER, S.D.		0.5%					General Geology
							Climatology
FREDERICK M. WILDER	10			9		14	Climatology
JAY B. WOODWORTH, S.B.			595				Glasciology



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Alfred Edgar Burton

IR MOTH HI for be crown all W leeps affi sci. 19 tu

IR ISAAC NEWTON, IT IS SAID, WAS SO MUCH MORE MASTER OF SCIENCE THAN COMMON SENSE THAT HE MADE A BIG HOLE IN THE WALL FOR HIS CAT TO GO THROUGH, AND A LITTLE ONE for the kitten. Whatever the truth of this story may be, it is certain that a scientific bent of mind too often crowds out the complementary characteristic—the ability to manage the commonplace problems of life. When a man knows by experience the trials and troubles of a young engineer, and also possesses the tact, patience, and personal ability to handle every-day affairs, he is fitted to be dean of a large technical school; and that is why Alfred Edgar Burton was, in 1902, made the first dean of the Massachusetts Institute of Technology.

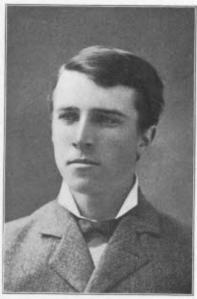
Dean Burton was born in Portland, Maine, in 1857. His father was a wholesale flour merchant, and afterwards treasurer of the Maine Savings Bank in Portland. On the father's side the family were

English and settled in Virginia in colonial times. His great-grandfather, who was a farmer, fought in the Revolution, and at the close of the war came to Gorham, Maine. On the mother's side, the earliest ancestor in this country was a French Huguenot refugee, who settled at North Yarmouth, Maine. He was killed by the Indians. During Burton's boyhood the family lived on Munjoy Hill in Portland. After a short session at a private school, he attended the North Grammar School, and then the Portland High School. He graduated from the High School class of 1874, and entered Bowdoin College the same year, taking the examinations for the engineering department, which had been established in 1871 under the direction of George L. Vose, afterwards Hayward Professor of Topographical and Civil Engineering at the Institute. The engineering department at Bowdoin continued in existence for ten years, and during that time there have been some twenty-five or thirty graduates. Perhaps the best known

of all these graduates is Robert E. Peary, Civil Engineer, United States Navy, and Arctic Explorer. Burton and Peary were close friends in their High School and College life. Burton graduated in 1878, with the degree S.B., and was elected a member of the Phi Beta Kappa Society. In 1881 he was given

the degree of C.E.

After struggling along as a land surveyor for about six months he took the competitive examination for the position of Topographer on the United States Coast and Geodetic Survey. This competitive examination was one of the first steps taken in the reform of the Civil Service in the government departments. The first condition for candidates was that they have the degree of some



SOPHOMORE AT COLLEGE

scientific college in good standing. They were then required to submit specimens of their skill in topographical drawing. The specifications for these drawings made it necessary to give at least a month's time to the competition. Of the twenty-five candidates who applied, only four were to be finally chosen. A second step in the competition was a six-months' trial in the Coast Survey Office in Washington. For this trial six candidates were selected with the understanding that at the end of that time only four would be retained. The pay during this period of trial was forty dollars a month. The colleges represented by the candidates were Bowdoin, Cornell, Lehigh, University of Virginia, and Dartmouth. It may be imagined how fierce the rivalry, how keen the competition among these young college graduates. It was not a question of "just getting through with an L" in a threehour examination; each man's aim was to be one of the four best out of twenty-five in a six-months' crucial trial,-truly the survival of the fittest! At the end of the six months, the four men chosen were Alfred E. Burton and Robert E. Peary, from Bowdoin, and one each from Dartmouth and the University of Virginia. This six-months' competitive trial was the plan of Superintendent Carlisle P. Patterson. He desired to develop a corps of American Topographers who were to be put through a regular form of instruction in the office and field before being placed in charge of work. In the slang of the Coast Survey Office, they were known as "Patterson's Pets." Unfortunately for the development of this plan, Superintendent Patterson died in the latter part of 1880. Four men were retained in the office, but his plans were not carried out as originally intended. In the spring of 1880, Superintendent Patterson detailed Burton for special work in Memphis, Tennessee, to assist Col. George E. Waring, who found it difficult at that time to get engineers to go to a city twice afflicted with yellow fever. Burton acted as draftsman for Colonel Waring, who was then putting in a system of separate sewerage which saved the life of Memphis as a municipal corporation. This acquaintance with Colonel Waring is valued by Dean Burton as one of the most interesting experiences of his life as an engineer.

In the spring of 1882, Burton went into the field as an aid to Assistant Edward Hergesheimer, who was engaged in the re-survey of Long Island Sound. The party made a plane table survey of Fisher's Island in the Sound. Mr. Hergesheimer was considered one of the best topographers in the Coast Survey Service; it is his work that is represented in the sheets of the conventional signs adopted by the survey. In the fall of the same year, Burton was offered the position of Instructor in Civil Engineering at the Massachusetts Institute of Technology, with the understanding that he should pay special attention to the teaching of topographical surveying. He accepted the offer. Two years later he was made Assistant Professor, and in the same year he married Miss Gertrude Hitz, daughter of the Swiss Consul-General at Washington. In 1886 he made a topographical



BOWDOIN COLLEGE CAMPUS



HOME IN LEYSIN, SWITZERLAND

survey of Mount Moosilauke, N. H., for the Appalachian Mountain Club. For this work he employed two of the engineering students of the Institute as assistants. The following year Professor Burton organized the summer school of the Civil Engineering Department. Such schools have been held every summer since that date, in Massachusetts, in the Adirondack and Catskill regions of New York, at the Delaware Water Gap, and at various points along the coast of Maine. With a few exceptions they have been conducted under the direction of Professor Burton.

On account of the failing health of Mrs. Burton in 1890, it was thought desirable to move the family to Switzerland. From that date until the death of Mrs. Burton in 1896, the family lived among the mountains of Switzerland, excepting two winters spent in the Adirondacks. During this period, Professor Burton spent the long Institute vacations each year in Switzerland. In 1894 he was sent by the committee of citizens of Beacon street, then opposing the Charles River dam, to investigate the Alster Basins at Hamburg, Germany. Two years later he was made Professor of Topographical Engineering, and in the spring of the same year, at the suggestion of Lieutenant Robert

E. Peary, he organized a scientific expedition to North Greenland. The pendulum and magnetic observations taken that summer are among the most valuable determinations that have ever been made in the Arctic Regions. Some of the problems encountered on this expedition, however, could not strictly be called scientific. Lieutenant Peary, in an interesting article in St. Nicholas, tells of the capture of two bear cubs. At one time, one of the cubs attempted to escape, but was stopped just in time by Professor Burton, "who fell upon him in a Greco-Roman embrace." And so the matter was arbitrated. In 1895 Professor Burton was appointed a member of the Topographical Survey Commission, by Governor Greenhalge, to succeed Professor N. S. Shaler, resigned. He held this position until 1901, when the Commission was discontinued. During this time the principal work of the Commission was the location by triangulation of the town boundary monuments; the re-running and establishing of the New York and Massachusetts State boundary line; the re-location of the Massachusetts and Rhode Island line.

An important improvement in the course of instruction in Geodesy at the Institute is due to the efforts of Professor Burton. In 1899, the geodetic observatory at Middlesex Fells was completed. The object of this observatory is to instruct students for the career of observer in geodetic work. "The introduction of work of this character into the course gives the student an insight into the practical side of geodetic operations, and it creates an interest in the subject and gives a reality to it which class work alone could never do. It will enable the Institute to send out men who have that confidence



BOATS AND ESKIMO, GREENLAND EXPEDITION

in their own power which laboratory work of the right kind is able to give." This obsevatory, while well removed from vibration disturbances, such as railroads and heavy teaming, is still within easy reach of the other buildings of the Institute, about a mile from Malden. It has been equipped with the best apparatus, and

will become an important station in the Massachusetts system of

triangulation.

In 1900 Professor Burton organized an expedition to observe the total solar eclipse visible in the Southern Atlantic States in May. The particular point chosen for this expedition was Washington, Georgia. The party was successful in accomplishing the work planned. The following winter a final trial was made by the United States Coast and Geodetic Survey of a base line apparatus which had been invented and developed by students working under the direction of Professor Burton. This base line apparatus was the direct result of field work in the Summer Schools. The final trial was made in connection with the measurement of a base line near Alice, Texas. The result may be regarded as favorable to the future adoption of the essential features of the Institute apparatus. In January, 1901, Professor Burton organized an eclipse expedition to the Island of Sumatra. This eclipse was remarkable for the long duration of totality. The members of the party, all from the Institute, were Mr. George L. Hosmer, Civil Engineering Department; Mr. Harrison W. Smith, Department of Physics; and Mr. Gerard H. Matthes, '95. After carrying out their plans most successfully, the party returned to Boston, in August, 1901, having made a tour of the world. The photographic work of this expedition was entrusted to Mr. Smith, the pendulum observations to Mr. Hosmer.

So reads the plain, unvarnished chronicle of the life of our new Dean. In these days of sensationalism, that pen-killed phrase

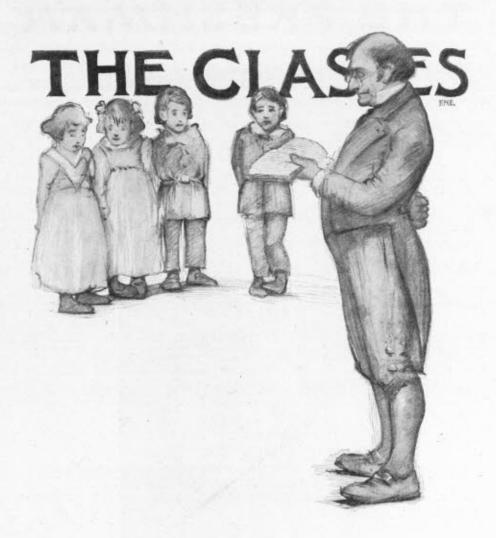
"success in life" too often is regarded as meaning to start life in a hovel, penniless and unknown, and to continue it, wealthy, and in big type on the first page. Dean Burton's life has been simple, straightforward and successful. His course at school has been much like the school-life of most of us—from grammar school to high, and then to a



scientific college. Thousands pursue the same routine of study, and in the effort to secure a highly specialized scientific training, go through college as through a funnel and come out narrow, well-trained in one direction, and poorly educated. No technical school succeeds so well in making its training broad and comprehensive as does Tech; and Tech does because of such men as Dean Burton.



PRIMARY TRIANGULATION STATION
OF MASSACHUSETTS TOPOGRAPHICAL SURVEY
MOUNT GREYLOCK



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Extract from the Chronicles of the Innocents

CHAPTER I

ARLING INNOCENTS ARRIVE AND ARE MUCH IMPRESSED BY THE STRANGE PEOPLE AND THEIR CUSTOMS AND MANNER OF WORSHIP-PING AT THE TEMPLE

I. Now on the first day of the tenth a. A suburb of Chelsea month of the year nineteen hundred and two it came to pass that there appeared in the land of the chosen people of Bostona, a mighty host of Innocents who were yet b. Class of 1906 to be trained in worldly ways.

And they dwelt therein^b.

b. Columbus Avenue boarding

3. Every day did they take their way into some certain wonderful temples c. Rogers, Walkwhere they did worship at the shrines of the high priests of wisdom^d.

d. Faculty

4. The mighty host of Innocents was very ignorant of the ways of the worlde. e. Plugging, etc.

5. And great was their awe at all the magnificent things' which they saw and heard in the great city.

f. Tech gym.

6. Especially were they fearful of the host of g. Sophs. Philistines who worshipped at higher shrines in the h. Doubtful same temple.

7. For these Philistines considered themselves of great importance and looked down upon the host of the Innocents as if from a high place.

8. For lo, had they not worshipped at the temple i. More or less for many years?

^{*} These notes have been collaborated by Heavy Thinkers

CHAPTER II

THE COUNCIL OF HIGH PRIESTS LISTENS TO AN INSPIRATION OF THE EVIL ONE.

I. It came to pass that in the reign of one of the j. Probably previous most high priests that all the high priests were some bags for very avaricious.

2. Yea, in their desire for filthy lucre with which meeting to adorn the temples they listened to an inspiration of the evil one.

- 3. Behold, much worldly goods was offered them 1. Baird if they would educate all Innocents in the ways of war.
- 4. And in the secret councilsk of the high priests m. If they had known more they they decided upon a certain famous captain of soldiery. would have
 - 5. Thereupon he called the host togetherm, saying,
- 6. Oh, children and slaves of the most high priest! n. Children of Know ye that on the middle day of every seven days ye slaves of Linus must arm yourselves and practice in the ways of war.

7. And then there was weeping, and wailing and gnashing of teeth among the host of the Innocents.º

- 8. Furthermore, he said unto them: On the last for drill is a wonday of the seven will I read from a printed slip which may be had at the portal of the temple, nor will the host be numbered."
- 9. Behold, a wonderful thing happened. For it came to pass that on the day when the Innocents were to be trained in the ways of war, that many fell sick of divers deseasesq.
- 10. But when the fourth hour of the day came for recuperation were they cured as if by a miracle.

Burry

k. Faculty

stayed away

Pritchett and

o. The love a Freshman has

p. No attendance taken at lecture

q. Many haunt-ed the theatres

CHAPTERIII

CONCERNING WHAT THE INNOCENTS THOUGHT OF OF THEIR PRIESTS

1. Now the Innocents were from all parts of the land, but they had never before worshipped with such priests as they did now.

- 2. Behold, there was one priest who taught them at the shrine of despaira.
 - And he was a bold, bad priest^s.
- 4. For did he not teach an abomination and were not his reports abominable. For his exams came the day after vacation.
- 5. Another priest also taught at the shrine of despair, but he also taught hope. He loved all good creaturese and if one of the Innocents talked of these creatures his reports were not abominations but a great source of delight.
- 6. There was also a priest who tried to overcome the effect of the tower of Babelg, for he taught the Innocents to speak a strange languageh.
- 7. He also was a source of joy for he was very witty and humorous, although he did not INTEND to be so.
- 8. There also was a priest who was much set up over his own importance. For he had written a book which he thought needed no explanationk.
- 9. And so at each meeting he would copy off a page or two of the book and declare the next lesson explained.
- 10. And again another priest taught the history of the land. But his tongue was so swift that the Innocents were confused and remembered not what he said.
- 11. Howbeit the Innocents derived much benefit and amusement from their priests and contrived to thus make their worship bearable, even unto the time of affliction yet to be chronicled.

CHAPTERIV

THE INNOCENTS CHOOSE A TEMPORARY LEADER

1. On a certain afternoon it came to pass that when the host of Innocents had assembled that a certain one of wide experience in the ways of the world" addressed them and told them what they should do.

- a. 43 Rogers
- s. Linus b. Discript.
- c. L, F, FF
- d. Burry
- e. Butterflies, bugs, etc.
- f. C, P, L
- g. Blackstein
- h. German
- j. Webster k. Ask Went-

worth

1. Nancy Hanks

n. President of

ble as the Innocents had not

- 2. He spake unto them: Choose ye a leader who s. A mighty shout was possiwill direct your path until ye know the ropes.
- 3. Then arose a mighty shout and from the host yet learned to came many cries, every man crying for his favorite. Class Meetings
- 4. Thus it happened that a certain man' of great t. Van Amringe presence from the tribe of a well-known school was temporary leader of the flock.
- 5. After this, this man of great presence frequently called the host together and they decided on many I. When they knew what it things. was all about
- 6. And many of these things were concerning a certain battle" which the Innocents were to wage with ". Field Day the Philistines.

CHAPTER V

THE INNOCENTS HAVE A MIGHTY BATTLE WITH THE PHILISTINES

- 1. It came to pass on the fifteenth day of the a. It was lots of eleventh month of the year nineteen hundred and two that the Innocents and Philistines had a mighty battle^a of strength.
- 2. At the appointed time all gathered at a certain c. Some exciteplace and the contests began.
- Behold, by the aid of the Evild One, the Philistines were victorious in two of the contests.
- 4. When it came to the third the Philistines were much puffed up over their successe.
- 5. Indeed it seemed as if they would win again but the Innocents were undismayed and by a mighty effort succeeded.
- 6. Now after this when some of the worshippers f. Juniors at the temple of the High Priests who were of wide experience, had marshaled the Innocents together, lo, the Innocents in battle array attacked the Philistines.

b. Charles River Park

ment the night before; not worth mention

d. Must have been Linus

e .- i.e., Had the swell head

- g. Nobody was hurt
- 7. But the Philistines resisted them and after a fierce fight both drew off and charged again.
- h. Co-eds, probably
- 8. Many times they charged each other and the fair onesh who were watching were fearful.
- i. Nobody had expected so much of the Philistines
- Indeed it seemed as if neither side could win¹ but the Philistines were getting tired before the terrible onslaught of the Innocents and were finally defeated.
- i. The Innocents were brave men
- 10. Now the lust for battle had come into the hearts of the Innocents.
- k. Tug-of-war rope
- 11. So they took hold of an enormous cable which had been used in one of the contests and carried it all the way to the grand temple, although the scattered Philistines fought fiercely to stop them.
- 1. Rogers
- 12. All the way the Innocents shouted their battle
- m. Street organ cries and sang songs of victory, to sweet musicm.
 - 13. And it was decreed that the day was a success and there was great rejoicing among the Hosts of the Innocents.

CHAPTER VI

THE INNOCENTS ENGAGE IN FESTIVITY

- a. Some had been to military schools
- 1. Let it be known unto you that some of the Innocents had had a little previous experience in the ways of wara.
- b. Real truly swords!
- 2. Soon they were set up above the other Innocents and allowed to carry swords^b.
- c. "Would some faver the giftie gie us, etc.'
- And they felt very proud and handsome.
- 4. So they got up a very grand affair and were enabled to show off their shapes before the fair sex.
- d. Cadet Dance
- 5. And they danced until morning, and their vanity was satisfied.
 - 6. Behold, how pleasant it is to be great.

CHAPTER VII

THE INNOCENTS HAVE A VERY SERIOUS TIME AND MANY FALL BY THE WAY

- 1. Now the Innocents had been having a very grand time and much pleasure but the days of affliction e. Doubtful were at hand.
- 2. For as the first season of worship was ending the priests began to put to them many questions which were to be answered in scriptf.
- 3. And many could not answer them for, lo, they awful things had not worshipped in sincerity and truth.
- 4. But the priests were very merciful, and unto NO MAN of all the Innocents was it said, "Hence, get thee gone," but all were allowed to continue their worship in peace.
- 5. And in all the history of the temples of the priests had such a miracle never been dreamed of before.
- 6. Now the rest of the acts of the Innocents which g. Next year's they did will be written in the book of Chronicles at another timeg.



f. These examinations are



THE SOPHOMORE



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ARTHUR JOHN AMBERG FRANK MILTON CARHART

Letters from a Half-Made Contractor to his Son at Tech

Harlem, Oct. 30, 1902

Dear Champion

HERE, I NEVER WRITE THAT WORD BUT I THINK OF HOW YOUR DEAR MOTHER NAMED YOU AFTER A CAN OF PEAS WITH A PICTURE ON IT OF SOME DAGO IN A TIN SHIRT RIDING A HORSE WITH A CLEAVER IN HIS HAND. I think there must have been maleria or some other disease in the neighborhood as the ground was all strowed with corpses. I wanted to give you the good old New England name of Mike but the mother persuaded me.

She had a great gathering here yesterday of the Daughters of Emigrants and they elected her Queen or something. She was reading them the letters you wrote her last year when you was at Tech. When she finished the one about your Drill, Jim Brophys wife jumped on the piano stool and played that sweet little French ballad "Drill Ye Tarriers Drill." They

all enjoyed your story of the Field Day and old Miss Maguire said it made her think of some of the pleasant ructions the boys had at Kilkenny. Her brother Dinny lost all of his ears but one when he tried it. But what hit them best was your description of the Class Dinner. Your mother read it just before she fed them and it made your friend Mae Learys old lady so hungry that they had to tie her to a chair so she wouldnt break into the dining room before the gong rang. Its great goings on we are having since we sold the pig and broke into society. As the Markee of Tallyrang says "Its better to be mintioned in the papers even if you have to git arrested than to live forever by the world unknown." Your Father, MURTHA CLANCY

Thats all now

P. S. I send the money you ask for.

Harlem, Nov. 27, 1902

Dear Champion

I think now is a good time to write you as everybody has gone out but me and the stove. I have before me your letter telling about the Sports you had Field Day and how you did something so your class got their name on a cup again. I suppose its a great thing to have their name twicet on the same cup but I dont know why, so Im glad of it. I was pleased to hear you had such a nice time with the boys who tried to do you at football but slipped up, but why oh why Champ didnt you fellows eat Force before you begun the tug of war. Speaking of Force I must tell you about your mother. Shes got a new idea in her head that we ought to eat healthfoods. Healthfoods, by the holy Moses, I come down to my breakfast today with a room to let in my stomach that would hold two pies and what did I see in front of me but a little dish of sawdust. "What is it" says I. "Driernell" says she. "Whats it for" says I. "To ate" says she. "By who" says I. "By you" says she. "And why" says I. "Twill do you good" says she. So I ate it Champ at least I tried to but it stuck in my throat and I near coughed my face off. "Dont you like it" says she. "No, but tis well named" says I, "pass the tripe." Speaking of coughing, Champ Im sorry the last bunch of money I sent you was delayed. I told the truckman to send it by Express but when he found it would cost \$4.00 he sent it by freight.

Your mother told me to ask how you was feeling and to tell you she and the girls was having a lovely time now they were members of the Higher Education of Females. The whole gang came here yesterday and taught little Adele to spell C A T.

Your mother is a great woman Champ.

Thats all now

Your Father

MURTHA CLANCY

Harlem, Feb. 15, 1903

Dear Champion

Well my boy we miss you since you went back after vacation, but I was reminded of you today when I got the little card your professors send round telling what you was studying but I didnt see many of your own initials on it. I thought at first it was for some

boy named Frank. But tell me Champ what has Physics got to do with Electricity. Are you studying for a Doctor or a Engineer. I wish you could see the pup what Hortenses young man left here last week. He has a stub tail and a face on him that looks like hed been shut in a door. Hortense calls him Pansy but the iceman called him something else this morning when Pansy was chewing the rag. The joke was on the iceman, so was the rag. But Pansy is a good dog when he is a sleep, which is often seldom. He dont like to be alone, so I sat up with him last night and sang to him to keep the neighbors from pulling the house down. I think we'll plant Pansy in

the garden when the ground thaws.

We had a maskerade here Monday night and Jim Foley wore his own face. The game was to guess what every one represented. Somebody guessed Foley was a rail road accident and then your mothers piano lamp got broke. But we had a good time and the new carpet and furniture looks beautiful. Its a great thing Champ, to take things fillesofical. Dont worry. Dan Maguire was always worring for fear hed die and now since hes married the Widdy Dolan hes worring for fear he wont. Its hard to please some people. Your mothers well and hearty. Shes joined the Every other Tuesdey afternoon except Fourth of July Whist Club, and I can hear her now studying the rules in the library. She has two phonografs going beside her so it will seem like the Club. Im still playing fortyfives.

Thats all now

Your Father

MURTHA CLANCY

P. S. Why dont you have a rubber stamp made about sending you money. Im sending a bundle in to you by Bill.

A

St. Augustine, Fla., Feb. 25, 1903

Dear Champion

This is a great place Champ for a man who has nothing to do because it keeps him busy all day doing it. The Ponce where we are stopping is a fine large hotel with a band and a fountain playing all the time but I dont care for the food. It makes me think of eating peas one at a time, it takes so long to fill up and the soup is thin. Augustine is a funny town. All the stores is kept by dagos and when you inquire the price of anything they ask you how much money

you have with you and thats the price, so every time you buy anything you have to go back to the Hotel and tear out another check before you can shop any more.

Hortense is a great favorite here and theres a King or a Count or something imported, what follows her round so much that your mother and I are both worried. Im worried for fear she'll marry him

and your mothers worried for fear he wont ask her.

I got your letter about your Class dinner and how Blachie (Hortense says that must be his pom de tare or something like that) told you boys about a lad what was took sick in the cars on the other side. I bet if the boy was paying for his board here he wouldnt give up so easy. And you beat Harvard playing games in your Athletic Meet—well Im glad to hear it. Its taking lots of money to get you through Tech but I dont mind so long as youre learning so much. Some people do say though that theres many a good hod carrier spoiled through going to college.

I must stop now as I have to get on my red vest and take your mother over to the golf links. Im learning to play. It aint so much fun as throwing rings at canes but its more style and Champ your father is right in the swim down here. Theres lots of the very best

people borrowing money from me.

Thats all now

Your Father

P. S. Ive sent it.

MURTHA CLANCY

Harlem, Mar. 8, 1903

Dear Champion

We just got home yesterday and I tell you the old clay tastes good. I couldnt get a whiff at it in Florida for your mother said it was tayboo. You remember the Count I was telling you about what was fooling round Hortense. Well he was getting so thick I begun to feel scared so one night I invited him to go out with me and look at the fountain and when I got him alone I asked him if he liked to travel. "I do" says he. "Where" says I. "Anywhere" says he. "For me?" says I. "For you" says he. "How much" says I. "Thirty dollars a day" says he. "Can you start tonight" says I. "I can" says he. "You will?" says I. "I will" says he. So Champ I hired him to go to Africa to look for a green elephant and told him to stay

there till I wrote him to come back. The mother and Hortense dont know where he is so keep mum my boy. But say Champ aint your

old father a great dippleomat.

So you boys have your canes and pipes. I dont know what pleases you with the canes but the pipes is all right. Theys better than them little tissue paper capsules you was smoking last vacation. I must tell you about little Adeles cat—but speaking of cats, before I forget it, your grandmother on your female side is here with us and she sends her love to you and hopes you will be home soon. I wouldnt hurry Champ you aint missing much and Im used to it. Shes Donegal bred and we had a row this morning when she saw oranges on the table. But theres one thing I must say for the old lady, every time she makes us a visit I always feel better after she goes away. I remember at your grandfathers wake how everybody spoke of the contented look he had.

Thats all now

Your father

MURTHA CLANCY

P. S. Ive sent it in by the man whats hauling bricks for the new jail.

Harlem, April 15, 1903

Dear Champion

Since I wrote you last I have entered public life. I was appointed Chief of the Goat Statisticks Department of Harlem and I have a desk at City Hall. I didnt care much about those things but the mother and Hortense did. They said it could help them in Society so I put myself in the hands of my friends and got the job. The whole ward was with me and the night of the election they had to put up cots outside of the Police Station it was so crowded. So you are going to be in the Tech show. You didnt say what youll have to do but I know youll do it well for your grandfather Clancy in his time was the best jig dancer and fiddler in the County Malone and Ive sung "Nora McCrea" myself and not had many people leave the room at that.

I think Hortense is getting over the Count for Jim Noonans oldest boy Dan what works in the Harlem Bank is coming here regular now. Hes always bringing her violets and to theatres and Automobiling. Dans a good boy but his freckles and his old man will cut up

handsome. Your mother gave me a surprise party the other night. She invited all her friends and had a beautiful time with dancing and feeding. I had a great time too for little Adele told me about it in the morning and I didnt go home till it was all over. You wont know the house when you get home. Its been papered and painted inside and out. I wanted to advertise for bids but your mother is Chairlady of the Stranded Artists Free Lunch & Coffee Parlor Committee and she stuck out for hiring some of that push to do the work. Well Champ she has that winning way with her, I let it go. You ought to seen them. Every one had his own style and the others were no good. I went home one afternoon and there was more than twenty of them in the parlor with your mother and all talking, so I slipped upstairs got my bag and left a note that I wouldnt be back for thirty days and I didnt. But I wont tell you any more till you see the place. I believe its painted in every language in the world and several new families have moved away lately, but Hortense says its uneek. I havent seen the bills yet so I dont know.

Thats all

Your Father

MURTHA CLANCY

P. S. Ive sent it in larger bills this time.

P. S. Ir. There are 14,710 goats in Harlem.



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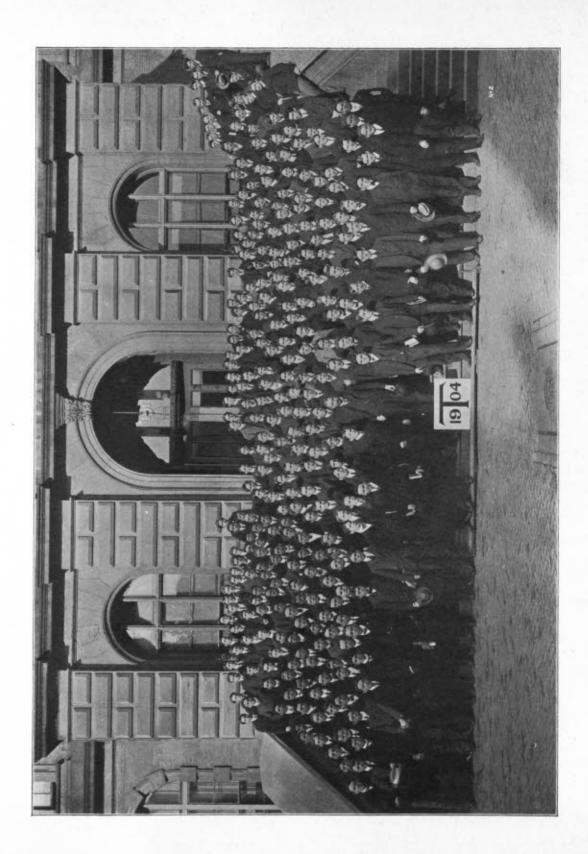
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Dr. H. S. Pritchett 50 D. Fellows, Jr. 69 P. A. Staples 102 J. D. McQuaid 132 P. M. Smith 56 C. B. Williams 70 A. C. Ferry 103 H. S. Reniper 138 M. H. Falgecomb 38 K. M. Baum 72 J. F. Gard 100 L. T. Howard 137 A. W. Bee 39 P. R. Finer 73 W. P. Schumacher 106 C. Lang 158 150 E. L. Ovington 40 A. F. Holmes 73 M. P. Schumacher 106 C. Lang 151 151 E. L. Ovington 41 A. W. Munster 75 E. W. C. Enderston 101 A. F. Havens 141 E. L. Edes 62 E. Willson 75 E. W. C. Schumach 110 J. B. Finnegan 142 E. L. Edes 63 E. Willson 75 A. W. Bartlett 110 J. B. Finnegan 144 E. L. Edes 64 W. DeW. Voobury 80 G. Mel. Froutfoot Int 15 B. A. W. Bartlett 110 J. B. Finnegan 144 C. R. Schease 65 W. W. DeW. Voobury 80 G. Mel. Froutfoot Int 16 M. W. DeW. Voobury 80 G. M. R. Farrell 16 M. W. DeW. Voobury 80 G. C. Esterbrooks 16 A. F. Farrell 16 A. F. F. F. F. R. F.	Rob't Faulkner L. G. Gillett E. F. Albright C. P. Bascom D. F. Comstock	F. W. S. Brown J. W. Roland E. S. Morrison	E.S. Baker G. C. Ridell W. H. Whiteomb J. K. Ellot	R. A. Wentworth F. A. Chace H. S. Denham H. H. Groves	C. F. Barrett W. H. Foster S. A. McClung, J. H. L. Pierce	C. O. Harrington J. H. Harrington W. W. Cronin G. E. Atkins	C. H. Drew C. S. Chace C. F. Edwards H. K. Draper M. H. Goldstein
Dr. H. S. Pritchett 55 O. D. Pellows, Jr. 69 P. A. Staples 10 J. A. Kentann 55 A. C. Downes 71 D. Pevell 10 M. H. Edgecomb 58 F. R. Finer 71 D. Pevell 10 M. H. Edgecomb 58 F. R. Finer 72 J. F. Card 10 J. K. Finer 10 J. F. Finer 10 J. Fine	135 R. E. Stetson 136 A. P. Weymouth 137 H. F. Noyes 138 J. S. Currier 139 R. G. Ricee	141 J. A. Fremmer 142 W. D. Chandler 143 G. W. Eastman	144 P. M. Paine 145 E. A. Holbrook 146 H. M. Brown 147 M. G. Magnuson 148 P. V. Turneson	149 S. L. Bradley 150 E. F. Bockwood 151 J. W. Shaw 152 S. J. Marfenet, Jr	153 W. B. Boggs 154 A. J. Ortseifen 155 A. O. Roberts 156 W. H. Eager	158 C. I. Bodgers 159 M. C. Tompkins 160 A. H. Langley 161 W. L. Doten	163 P. S. Sweetser e 164 C. R. Heyward 165 C. C. Carhart 166 R. O. Ingram 167 A. G. Drew
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KEY TO CLASS PHOTOGRAPH - Alphabetically Arranged

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Extracts from a Co-ed's Diary



EPT. 26, 1900. WELL, WELL, HERE I AM IN BOSTON, A REALLY TRULY STUDENT OF THE MASSACHUSETTS INSTITUTE OF TECHNOLOGY. AND NOW THAT I'M HERE, I DON'T SEE HOW I ever had the courage to come, to study four years among men;—me, almost a man hater. At least I think girls who go off and get married are very foolish, if they have any brains. That sounds paradoxical, but it's so. I'm sure I'll never be so foolish. I love science and study and I'm going to learn all I can, even if it is among all these horrid gawky men. . . . I'm going to keep a diary all through my college years. . . .

Oct. 26. Just a month today since I became a "Co-ed". . . . Some of those horrid men have been getting familiar up in the Mechanical Drawing Room. Why, there was a Mr. Homer who walked right up to me this afternoon, put his arm on my desk, and began talking—without ever having an introduction!

Mr. Burnham and Mr. Dougherty were almost as bad—only they began a little more gradually. The former was telling me about our first class meeting. Not the one we tried to have in Huntington Hall but the one we did have in the Armory. I asked him who was elected, and he said Emerson was, "just a temporary chairman, you know."

talk much, but I've caught him looking at me in an interested way several times. He always looks around when Prof. Bardwell drops

around and helps me with my experiments.

Nov. 11. Went to see our soldier boys drill in the Armory. Miss W. and Miss M. with me. A few of the fellows have uniforms. Mr. Homer has one with white stripes and looks perfectly fine in it. . . . There was a whole row—a company, I suppose—right in front of the balcony, and when we came in they began to pound their guns on the floor. It was awfully embarrassing. I know I blushed to the roots of my hair.

Nov. 12. "Exams" this week. Mr. Erhardt told me I had a "C" in German. Lots of the fellows had "L", so I must have done quite well—or else—as Miss B. suggested the other day at the Cleofan Reception, he thinks I'm—well—er—rather nice looking. How foolish of her!

Jan. 18, 1901. Our first semi-annuals begin today. We "coeds" have only one. Mr. Jones, a Junior, whom I met today, told me he had thirteen. Just think of it! How can he ever live through them!

Jan. 24. Algebra "exam" over. . . . Going home for vacation.

Feb. 7. Back again. All "C's" on my report, and I don't know a single man who did as well. Maybe some grinds did, but I don't know many of that kind.

Mch. 31. '04 had its class dinner last night, at the "Thorndike." Homer told me he had to give a "spiel". Wish I could have heard him. . . . I think its mean we co-eds can't go to class dinners. We have lots more class spirit than most of the men. . . . However, if all they tell me about that dinner is true, I guess it's a good thing we can't go.

Apr. 3. Same old grind of work, work, work. . . . Asked Mr. X. to call on me sometime. He is a very interesting young fellow I think.

Apr. 5. Mr. X. called this evening. He looked perfectly stunning.

Apr. 20. Next week Junior week. Mr. Jones asked me for the Junior Prom. but—I—er—told him I couldn't go on account of studies. Mr. Jones is what I think the fellows would call a "fusser", and, well—I don't want to be called a "fusseress" . . . Am going to the Tech show with Mr. X. The "Tech" says its going to be fine.

May 3. Tech Show with Mr. X. Perfectly lovely time. The play, "The Grand Duke," was a grand success. Girls' costumes perfectly killing. Mr. Paine, a friend of Mr. Holbrooks', made a great hit as one of the leading ladies. Mr. X. seemed to enjoy the afternoon,—'twas good of him to take me.

May 30. "Anna Lyt" exam through with this noon and trunk packed tonight. Off for home tomorrow. After all, it's been a very pleasant year, and I'm not sorry I came to Tech, in spite of all the men.

Sophomore Pear

Oct. 2, 1901. Back again, as a Sophomore, and glad to be here.
. . . . Attendance cards, tabular views, Bursar, etc., etc.

Oct. 9. A week gone already. I find several new and interesting studies. Have Mr. Charles Henri Louis Napoleon Bernard in French. I used to hear lots about him last year, but never realized before what a perfect circus he is of forehead, mouth, mustache, hands, and legs. It was all Miss F. and I could do to keep from giggling right out every time he tried to touch his ears with his mouth corners.

. . . Prof. Currier in Europeon History. I thought his express train jabber disturbing the atmosphere reminded me of something, but for a long time I couldn't think what. I know now—a Cleofan Tea.

Oct. 12. Our French class found a notice on the door today, referring us to a new instructor. It is rumored, and with such persistence I fear it must be true, that Charlie Henri Louis Napoleoni has started on the downward path—in plain English gone to Harvard. It's understood that Tech uses Harvard as a dumping ground for "flunks," but why for Charlie? It makes me almost sad to think that our class is the last on whom Charlie's effulgunt pronunciatory smile has beamed; our class the last to admire his baggy trousers and graceful gait. . . . "You haf before you not only ze pronunciation in black and white, but in black and white and red!" Dear, diabolish looking Charlie! With our class and our Technique even memories of him will vanish from the familiar scenes of Tech, and make them seem monotonous and cheerless. . . .

Nov. 19. Field Day. Very exciting and successful, I suppose the Freshmen consider it. . . . And Mr. Fairfield told me we were sure of that football game! I saw Mr. X. in the rushing afterwards with no hat and a torn coat, but evidently enjoying it. He looked so handsome.

Dec. 19. Went with Miss M. and Miss W. to the Winter Meet at the Gym. '04 way ahead. Georgie Curtis is a pretty pole vaulter.

Dec. 20. Dr. Hale spoke to us today. He is a fine old patriarch. Told us to "rub elbows with the rank and file." My! if we co-eds did that, what dreadful things they would say of us! What a reception Li—I mean Professor Faunce gets at those mass meetings, and Bla— Mr. Blackstein, and Arl— Professor Bates. . . . Poor Prof. Bates! He does seem to have such a hard time. I think our class treats him abominally. He took a radical step today, however, and the improvement was noticeable. Informed us he had a list of disorderly students and would hold them as hostages! Pretty cute of him, wasn't it?

Dec. 21. Cleofan Smoke Talk.

Jan. 1, 1902. New Years. Mr. X. called.

Feb. 11. Attend. Cards—Bursar, etc. Roll Slips, first appearance. If they would only let us do all the Secretaries' work wouldn't it be nice for our reports.

Feb. 13. Pres. Hadley of Yale addressed a mass meeting today. What a funny eye roller he is—not a bit like our "Prexie."

Mch. 2. Mr. Holbrook was telling me about our "Kommers" last night at the Technology Club. Said they couldn't get in till they were about starved, and when they did, it was so crowded that even he could hardly find room to stand up in.

Mch. 9. Mr. X. called and asked me to go to evening service at the Old South. Went.

Apr. 3. It was very embarrassing for us co-eds this morning in English Lit. Arlo was characterizing a 17th century novel. Every once in awhile a subdued "Oh-h-h" would run around the room and the fellows would turn around and look at us. Finally Arlo got disgusted, and said sarcastically, "Well, gentlemen, I shall say no more, only, when you grow up, I advise you to read it!" Later in the lecture, Mr. Fairfield, the horrid thing! came way down from the back of the hall and sat down right between two of us "co-eds!" Mr. Haynes said this afternoon he did it on a bet. I did think Mr. Fairfield was pretty nice, but now I just detest him.

Apr. 12. While I was doing the Boyles law experiment this p.m., Mr. Blum told me about the class dinner last night at the Gym. "Doc" and Harry C. were there. "Afternoon" Smith waxed quite eloquent on Technique. Mr. Blum thinks Smith is one of the "rising" men of the class. "Wouldn't be surprised to see him our next class president," he said My first memory of Smith, it occurs to me just now, was his laboring over Casco Bay, Maine, up in 53 Rogers, trying to make an artistic looking arch out of it.

Apr. 24. Junior Prom tonight. I had six chances to go. Am going with Mr. X. to Applied Mechanics. He said, after taking me last year he should miss me if I wouldn't go again. Nice of him to put it that way, wasn't it? Miss B. F. W. and I watched the Technique rush today, from Rogers stairs. It was awfully exciting! Why, one man didn't have left on him what I would call a respectable bathing costume!

Apr. 25. Tech Show with Mr. X. Enjoyed it even more than last year. I recognized several classmates—"Gunnie", our Englishman; Paine, with his dulcet accents, and Bary with his pretty ahem—limbs. Most wonderful, however, was the metamorposis of "Trilby" Haar into a really beautiful young maiden. I don't believe even Harry Clifford could have recognized his familiar questioner.

May 27. Recitations over for another term. Nothing more! but a few exams.

June 1. Sunday. Mr. X. Arlington St. Church. Gardens, Common. Up by Jay St. he pointed out Holmes' "long path" and started to take it. I thought, as I glanced quickly at him, there was the glimmer of a mischievous smile on his handsome face, so I suggested keeping right on down Beacon St. Wonder if he thinks I don't know the story of the schoolmistress as well as he does.

June 7. Just back from Riverside. Canoeing with Mr. X. River, sky, moon—perfectly, perfectly lovely. I think I shall never forget it. Home tomorrow.

Junior Pear

Oct. 1. Almost like home to walk on Copley Square once more. Miss M. thought I was frightfully freckled. No wonder after such a summer at the seashore. . . . Attendance cards, petitions, etc.

Oct. 4. Have dear old Prof. Rambeau in French. He informed us, as Mr. Dougherty told me he would, that there were "no fin'l exemna'tions in mod'rn languages."

Oct. 20. Work for this term is the real F times S, ½ MV ², and no mistake. Have Dr. "Hashthings" in Math. Whew . . . it almost takes my breath away to think how he circumnavigates the blackboard walls of 30 Lowell. Holds an eraser in front of his chalk and just goes round and round. The following little parody on Lowell's "Vision," which Mr. C. composed on the flyleaf of his notebook during one of these lectures, fits Dr. "Hashy" to a T.

Over his chalk the musing calculist
Beginning doubtfully and far away
First lets his ideas wander where they list,
And draws a curve from dreamland for his play,
Then as the touch of his loved instrument
Brings hope and fever, nearer draws his theme
First guessed in fierce blackboard rushes.
Etc., Etc.

Harry Clifford talks to us now, in Heat. I could listen to him for hours I think (If I didn't have to take notes). Such a voice! deep, rich and penetrating, but sweet and soothing with all. He can quiet the room better with a rising inflection than Charlie Cross could with his little hammer. . . . Then there is that other Harry, Dr. Goodwin. What a little dear he is. Collar, necktie, haircomb—everything just so just simply chic you know. He was explaining a calorimeter to me today, and he got so interested, I'm afraid I paid more attention to him than to what he was saying. I feel when I see him handling delicate apparatus, that a touch of those dainty fingers would quiet an unruly machine as a trained nurse's hand a fevered patient. . . . And speaking of Phys. Lab.—Mr. Cady told me he got an "L" when he took it; didn't use to speak of it last year when he was assistant—thought he could get a "C" in it now!

Nov. 25. No diary for a week—nothing but work, work. Mr. X. called this evening. Thought he looked a little pale. Hope he isn't working too hard.

Dec. 21. Christmas Holidays. Welcome, too, if ever they were.

Feb. 7. Report. Safe!

Feb. 11. Usual formalities, plus Bursar's Attendance Card.

Apr. 1. I have been asked to write a Class History from a Co-ed's point of view for Technique. I am so glad I have kept this diary. I hope none of my classmates will think me silly, foolish or sentimental, for what I have written is word for word just what I thought and felt at the time—except—except all that truck about Mr. X., which I put in just now to make each of several fellows wonder if he was Mr. X.



THE SENIOR



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Anstitute Committee

HORACE SINGER BAKER HOWARD SCOTT MORSE

The Highwater of 1903

By Somefellow

INTRODUCTION

HOULD you ask me whence this history Whence these legends and traditions, With the odors of the chem-lab., With the martial days of drill, With the curling smoke of Kommers, With the rushing done on Field-Day, With the rousing yells and cheerings, With their frequent repetition And their wild reverberations As of thunder in the mountains? I should answer, I should tell you, From the ancient town of Boston, From the Institute called Tech. Here I sing of nineteen-three, Sing the song of nineteen-three, Sing its wondrous birth and being, How it lived and toiled and suffered, That the 'Stute of Tech might prosper, In the Here and the Hereafter. Stay and read this rude inscription, Read this song of nineteen-three.

CANTOI

The Infancy of Pineteen Three

On the stone steps of old Rogers, In its lofty, classic halls, Roamed one day a tribe of Freshmen, Freshmen long and Freshmen short. Some were fat and some were slender, Some were shy and few were bold. Laughing, came the upper-classmen And beheld this funny sight. In his newborn might and glory Proudly walked the haughty "Soph,"
Looked upon them with compassion,
With paternal love and pity.
But for him and upper-classmen
Cared the Freshmen not a whit,
For within them stirred a spirit
Former Freshmen never felt;
Stirred a spirit deep, rebellious,
That, before the year was over,
Made that class above all others
Famous, feared and loved at Tech.

Shall I tell you of the troubles That befell its Freshman lot, How it met with him called Linus, Linus Faunce of fiendish fame; How it helped to fill the coffers Of friend Mac across the way; How it listened in deep silence To the mellow voice of Tommy, (Tommy Pope, whose genial smile Makes the Freshmen dream of C's), How it wrote out themes for Harry, Harry Pearson, coy and young; How it bearded Harry Tyler, Harry Tyler, mighty, awful In his den of many flunks; How it met with dashing Jimmy, Jimmy Hamilton of fame; How from his great lips of wisdom Learned it much of martial lore, And enthused by his orations Gave it vent to feelings strong, And in heat of its excitement Dropped torpedoes on the floor? Shall I tell you how on Wednesday To the Armory it went, Proudly decked with trappings martial, Loudly crying "Tech in Hell"? Shall I tell you how it shouted, Shouted loud and clapped its hands When from out of its great number Jimmy chose a gallant youth-Bashful youth he was and modest-Chose this youth to be the major? "Major Bridges, we salute you,"

Mocking yelled the Freshman host.
"Down with Bridges," shouted Robbie;
"Down with Bridges," echoed Pell.
Then there stirred a deep rebellion
In the breasts of nineteen-three.
"Death to drill," they cried, and forthwith
Hung their Jimmy o'er the gate;
Took a heavy chain and padlock—
Wieldy chain and padlock strong.
Locked within his den of glory
Jimmy madly shook the bars.
Then the 'Stute got mad and huffy.
Jimmy, hot about the collar,
Swore, and threatened nineteen-three.

But the class had had its fill, Taunting Jim and Jimmie's pup(pet), Penitent it was and sorry, Resolutions wrote, and sent to Jim. When the bleak month of November Entered with its bracing blast, Said the upper-classmen, "Freshmen, You must gird yourself for battle, Paint and arm yourself for battle, Then upon the war-path go, Seek the wigwams of the Soph'more, Battle with your might and main, Let your war-cry ring the loudest, Clear above the frightful fray." Painted, armed and seeking battle Came the tribe of nineteen-three Gathered round the cane in circles, Gathered round in circles strong, Shouted loud and deep its war-cry At the tribe of nineteen-two. As before a storm in nature There is oft a fitful calm, Came there o'er that field of battle All at once an awful hush. Then, throughout the stillness ringing, Came the crack of pistol shot; Then began the greatest battle In the annals of the race. That the sun had ever looked on, That old Tech had ever seen. When at length the fray was over Twilight's gloom had come apace, Then the haughty upper-classmen

Pulled the braves from off the heap—Braves in rags and braves in tatters Pulled from off the gory heap.
Down, deep down upon the bottom Of that heap, they found the cane In the darkness fast approaching, Blindly counted upper-classmen, And alas! in their confusion Gave the rush to nineteen-two. Bravely heard the news the Freshmen, Took the error and defeat with grace.

CANTO II

The Pouth of Pineteen Three

Once again the tribe assembled On the stone steps of old Rogers. "Sophs" they were now, and in wisdom Had they learned an awful lot. Still within its ranks were numbered Robbie, Pell and Peaslee, bold, Ready once again to conquer Anything that came along. Shall I sing you of the studies That the tribe now wrestled with, How it listened up in Walker To the voice of Charlie Cross, Heard him, through its golden day-dreams, Nodding, crack his yearly jokes, Or, in wrapt and pensive silence Heard dear Arlo read a poem? Some perchance in wild confusion Tried to follow Nancy Hanks. Some took Dutch with Herr Von Blachstein, He of scintillating wit, He of puns and hat so famous, He immortalized at Tech. Came one night a great procession Of the tribes called G. O. P. Tribes from Tech and tribes from Harvard Through the streets of Boston town. When at length the march was ended, When the torch's oil was low, When the voices raised in cheering Had become too hoarse to yell, On the stone steps of old Rogers Gathered round the Harvard host.

Saw the sight so awful, madding,
Saw the desecrating sight,
And with war-cry loud and awful
Madly rushed the tribes of Tech.
Led of course by those brave warriors,
Led by valiant nineteen-three.
Need I sing of that great battle
On the steps of Tech that night?
Gentle reader, do but visit
Any Senior's room today;
O'er the gas jet or the mantle
See a Harvard gown or cap,
Bearing on it, I will warrant,
Pat and caustic, forceful, comment.

CANTO III

The Manhood of Pineteen three

Now upon its Junior year Started forth old nineteen-three. It was proud and it was haughty With its dignified position. But its pride did take a tumble Yes, an awful headlong tumble When it ran against Applied, Ran against Applied Mechanics, Vainly tried its best to figure Where it should apply a load. Some decided on the Chapel; Others went for Jacob Wirth. After many calculations It was settled in the end,-The resultant load determined By the loads at separate joints, Starting with a beer at chapel, Ending with a pousse-café. Frequent loads at Jake's and Charlie's, Or perchance at Hayward Place-These determine "bending moments" Taken round a friendly post.

But indeed the greatest happening Of the tribe's great Junior year, Was the issue of its *Technique*, *Technique*, nineteen hundred three. It was bright and it was witty, Full of merry, pleasing jokes, Some on "profs" and some on students— Mostly on a favored few. Then each brave became a fusser, Fussed all through the Junior week, Fussed at teas and fussed at theatre, Fussed at Junior Promenade.

CANTO IV

The Old Age of Mineteen Three

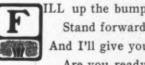
Spring had come and spring had vanished, Soon the Junior year was passed, Now the tribe once more assembled For its last, long year at Tech. Of its doings, reader, since then I need sing to you but little, For the class is quiet, sober; No more "rough-house" now for them, Gone the days of naughty conduct In the lecture-room or "lab."; Gone the days of dear old Robbie, Gone the mischief done by Pell; Sports have given up to study, Given up their erstwhile pace. Fussers, too, have learned their lesson, Learned that Tech and fussing jar. All are grinds, all with one purpose, All with hopes set on the goal Which looms up so near, yet distant. Gentle reader, should you ask me What this object of attainment Which has wrought the magic spell, Which has brought both sport and fusser Back into the narrow path. I should answer, I should tell you, As I close this lengthy song, That this goal so much desired Looming up so near, yet far, Is no prize of gold or silver, Is no potent life elixir, Is no wondrous gift of power, Is no longed-for word of lover-None of these things much desired, None of these, though good they be, But a simple Scroll of Parchment, Just the

BATCHELOR'S DEGREE



The Girl You Know





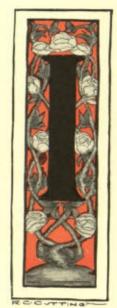
ILL up the bumpers, - that's the stuff! Stand forward like men in a row, And I'll give you a toast, a very good toast; Are you ready ?- all right, let her go!

Here's to the girl that helps you win, To the girl that is frank and true; To the girl that is kind, of thoughtful mind, To her heart that is pure as the dew.

When your troubles are coming, black as night, Rush 'em and tackle low; Work with a will and a might, but fight! For the sake of the girl you know.



The Cost of Student Life in American Colleges



BELIEVE THE TIME HAS COME, PARTICU-LARLY IN NEW ENGLAND, WHEN INSTITUTIONS OF LEARNING SHOULD SET BEFORE THE EYES OF STUDENTS THEIR OWN IDEALS OF A wholesome, democratic, and simple college life. Any student of the conditions of American college life can but be alarmed at the increasing sum which is required to send a boy through college; and it is time that some institution should deliberately set itself to work to solve the problem of setting forth a college life that should give to the poor student the opportunity of economical living, and at the same time the opportunity of social intercourse with his fellows. College life has been set at such a pace that the poor student is practically barred from participation in social life, unless, he be perhaps, an athelete and finds his expenses met by his athletic abilities,

a state of affairs not wholly desirable. To my thinking there is no better problem to which the Institute can devote itself than to that of furnishing to its students such facilities as will make the student life economical and simple, yet attractive to rich and poor alike.

Should the Institute adopt a plan of removal, I hope that it may undertake to deal with this problem; and in order to do so a system of dormitories or student houses would need to be erected upon the new site. To accomplish the end in view, these dormitories or student houses must be maintained in a different way and upon a

different principle from those ordinarily adopted. They must not be counted on as a source of revenue, but must be used to furnish the best means of living at little more than cost. I would suggest as an experimental plan some such arrangement as the following: Two quadrangles, consisting of four buildings each, each quadrangle accommodating approximately five hundred students, the lower floor of each building to be devoted to sitting rooms and dining rooms, and the upper floors to bedrooms and occasional suites for those who desire more expensive quarters. I should call these houses, rather than dormitories, as they will in their essential features be more akin to the English University Houses than to the American dormitories. Each house would form a union, its students meeting in the dining hall and for social intercourse. The entire group of houses would be lighted and heated by a central power plant, in which would be located the central kitchen, a refrigerator plant, and a laundry. With such a plant I believe we might successfully undertake to solve the problem of the economical housing and feeding of students. With proper system and with business methods, buying provisions at wholesale, I have no question but that we could offer the student lodging and food at prices far less than our students now pay for uncomfortable lodgings and for unsanitary food, with the additional advantage that the general mass of students would be thrown together under the influence of a simple and democratic social life.

I am satisfied that few appreciate the economic and hygienic waste which comes in the housing and feeding of a body of students taking up their work in a new, and to most of them, unknown city. Boston is an expensive place as American cities go. The student who comes here from a distant place, particularly if his means are limited, undertakes to house and feed himself as cheaply as possible. In his effort to do so he not only isolates himself from his fellows, but he oftentimes finds himself in quarters which are morally and physically undesirable. A number of students eat unwholesome food and insufficient, and pay for it prices which, under such a plan as

that I have outlined, would furnish wholesome and sufficient food. The entire lack of any plan for the housing and feeding of students involves a moral, economic, and social waste, and I know of no better problem with which an institution like this may deal than that of stopping this waste.

How much the economic waste alone amounts to in the matter of food may be judged from a comparison of the prices paid by our students with the cost of food for the West Point Cadets. The Cadets are, perhaps, the best fed student body in the world. Their meals are simple and wholesome, but are chosen from the best material that the market supplies, and they are cooked after modern sanitary methods. The cost of food and service amounts to but fifty cents a day per man, or \$3.50 a week, which is just what the cheapest boarding houses charge Boston students for food far from satisfactory.

This question is worth considering, not only from the standpoint of the student and of his social and physical needs, but also from that of the educational interests of Boston and New England. Boston is not only interested in the work of education, it is interested also in the business of education, and it seeks to encourage by every right means the coming to it of men seeking education. Such exchange increases in the best way the ties which bind New England to the other states, ties which we desire in all ways to foster. Our New England institutions were begun and have prospered as private institutions, without large grants from the state, and they have therefore always been conducted on the theory that a fairly high charge for tuition could rightly be made. The great Western institutions, like those at Madison and Ann Arbor, have grown up under a different theory. In those states the Commonwealth itself undertakes to furnish a free education of the most complete sort, and the State University forms the apex of the state educational system. The incomes of the state universities are growing year by year, and the facilities which they offer are rapidly becoming comparable with

those offered by the strongest New England institutions. Tuition is free, or at most is but a nominal sum; living is cheap, and a student may go to one of these great Western institutions and live for a whole year for the sum required for his tuition alone at the Institute. All these considerations are making, as time goes on, stronger reasons why boys from Texas and California and Missouri and Georgia and other distant states should consider these institutions rather than those of New England, as places of residence for their student life. Any intelligent plan under which the coming of the student to Boston may be made easier and less expensive, and particularly any plan which will free the stranger from the uncomfortable task of finding quarters in unknown surroundings, which will offer to the student of limited means an easy and direct choice of his student home, and which will make the problems of that home simple, will act as an offset to the considerations which I have mentioned, and will make easier the way of the student to a New England education. The man who can afford it will always come from distant states to New England, so long as our institutions maintain their high standing, so long as their faculties are composed of great teachers, and so long as their facilities are better than those of other regions; but the burden of a high tuition and of expensive living will become a continually increasing barrier, a sort of educational tariff, erected against the student of limited means. The son of the clergyman, of the teacher, of the clerk, of the man of small income, will find it each year harder to obtain an education from us, and will be forced by reason of the increasing cost to turn elsewhere.

An increasing number of students is being attracted each year from New England, from the states of New York and Pennsylvania, and from the Southern states to the great universities of the central West. No true citizen of the Union regrets this. It will be a fortunate day for our country when the colleges of Louisiana and of the Carolinas are so strong in teachers and equipment as to

attract students from Massachusetts and from New Hampshire. But I should be sorry to see the time come when the cost of education in Boston was so great as to limit the number of those who come to us from distant states to the families of the well-to-do, or to those who receive aid from the college endowment.

HENRY SMITH PRITCHETT





FRATER NITIES

Greek Aetter Fraternities

at the

Massachusetts Institute of Technology

In the order of their establishment



Sigma Chi

Chapter Roll

1855 Gamma Ohio Wes	sleyan University
1857 Eta University	v of Mississippi .
1858 Lambda Indiana U	Iniversity .
1850 Xi De Pauw	University
1859 Omicron Dickinson	College .
1860 Psi University	of Virginia
1863 Theta Pennsylva	inia College
1864 Kappa Bucknell	University
1865 Rho Butler Co	llege
1866 Zeta Washingto	on and Lee University
1868 Mu Denison U	Iniversity
1869 Omega Northwest	ern University
1871 Chi Hanover	College .
1872 Sigma Sigma Hampden	-Sydney College
1874 Gamma Gamma Randolph-	-Macon College
1875 Delta Delta Purdue U	niversity
1876 Zeta Zeta Centre Co	
0 001 001	of Michigan
00 0 0 0	of Cincinnati
	setts Institute of Technolog
	University
1882 Alpha Zeta Beloit Col	
00 111 7 11	of Nebraska
	esleyan University
1884 Alpha Lambda University	of Wisconsin
	of Kansas
00/ 11'1 0 1 0 1	
224	
	of California
1888 Alpha Sigma University	of Minnesota
1889 Alpha Upsilon University	of Southern California
1890 Alpha Phi Cornell Un	
	nia State College
1891 Alpha Psi Vanderbilt	University
1891 Alpha Omega Leland Sta	inford, Jr., University
1891 Kappa Kappa University	of Illinois
1892 Alpha Miami Un	
1892 Alpha Alpha Hobart Co	
1893 Eta Eta Dartmouth	College
1893 Lambda Lambda Kentucky	
1893 Alpha Rho Lehigh Un	
1894 Nu Nu Columbia	
	inia University
1896 Phi Phi University	of Pennsylvania
1896 Tau Roanoke C	College
1896 Xi Xi Missouri S	tate University
1897 Omicron Omciron University	of Chicago
	of Wooster
1899 Beta University	
-0- Put:	College

Delaware, Ohio University, Miss. Bloomington, Ind. Greencastle, Ind. Carlisle, Pa. Charlottesville, Va. Charlottesville, Va.
Gettysburg, Pa.
Lewisburg, Pa.
Irvington, Ind.
Lexington, Va.
Granville, Ohio
Evanston, Ill.
Hanover, Ind.
Hampden-Sydney, Va.
Ashland, Va.
Lafayette, Ind.
Danville, Ky.
Ann Arbor, Mich.
Cincinnati, Ohio
Boston, Mass. Boston, Mass. Boston, Mass.
Columbus. Ohio
Beloit, Wis.
Lincoln, Neb.
Bloomington, Ill.
Madison, Wis.
Lawrence, Kan.
Austin, Texas
New Orleans, La.
Albion, Mich.
Berkeley, Cal.
Minneapolis. Minn Minneapolis, Minn.
Los Angeles, Cal.
Ithaca, N. Y.
State College, Pa.
Nashville, Tenn.
Palo Alto, Cal. Palo Alto, Cal.
Champaign, Ill.
Oxford, Ohio
Geneva, N. Y.
Hanover, N. H.
Lexington, Ky.
Bethlehem, Pa.
New York, N. Y.
Morgantown, W. V.
Philadelphia, Pa.
Salem, Va.
Columbia, Mo.
Chicago, Ill. Chicago, Ill. Wooster, Ohio Easton, Pa. Orono, Me. Iowa City, Pa.

Sigma Chi

ALPHA THETA CHAPTER

ESTABLISHED MARCH 22, 1882

Fratres

Edward Taylor Barron
William Johnston Bay
Maurice Bredin
Sydney Atmore Caine
Charles Stinchfield Cole
John Charles Daly
George Robert Eckel
Charles Wickersham Elmer
William Burder Ferguson, Jr.
Theordore Victor Fowler, Jr.
Thornton Meriweather Gilmer

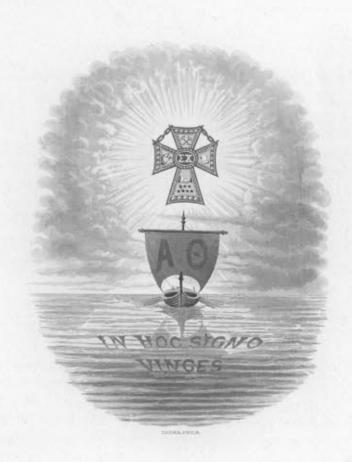
Charles Hallack, Jr.
Ralph Curtis Jordan
Norman Frederick Kerr
Herman William Lackman
Elbert Emerson Lochridge
Leon Gilbert Morrill
Mortimer Livingston Nagel
Albert Senior Prince
William Clements Rinearson, Jr.
Henry Harding Russel
James Smith Sheafe

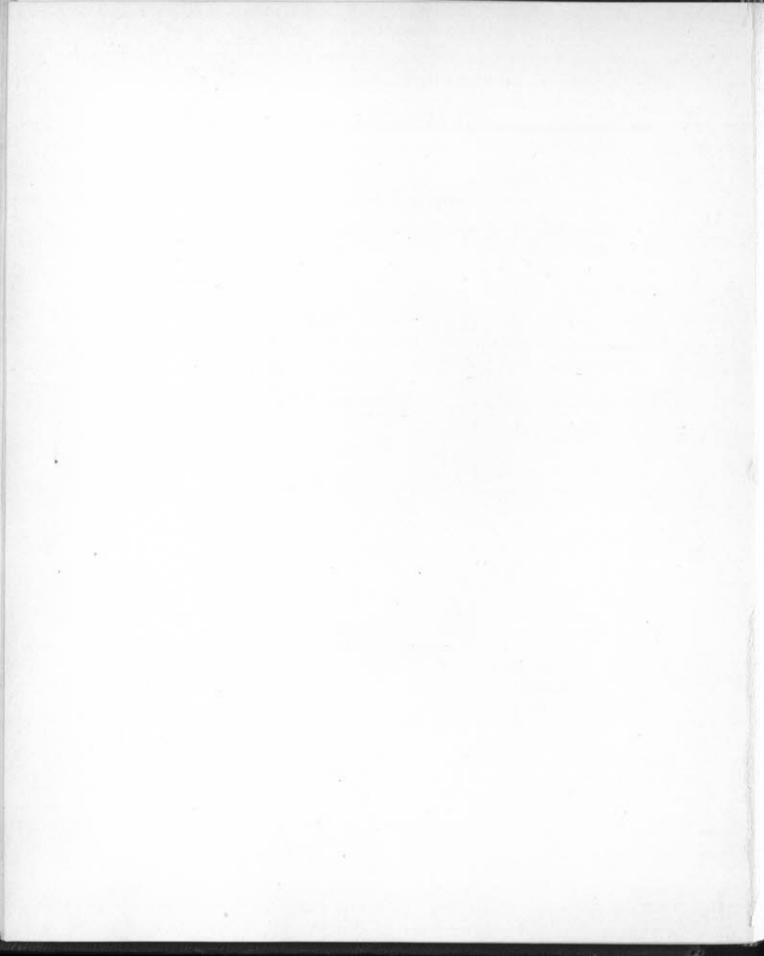
Edward Cutter Thompson

Fratres in Arbe

Winthrop Alexander
Arthur Francis Bardwell
Harle Oren Cummins
John Andrew Curtin
William Worcester Cutler
Winthrop Dahlgren

John Ashley Highlands
Rhodes Greene Lockwood
James Stuart Newton
Arthur Sewall Percy
Lucius Spalding Tyler
Edward Payson Whitman





Theta Xi

Chapter Koll

			87			1	Troy, N. Y.
B	Sheffield Scientific School	53		-		4	New Haven, Conn.
Γ	Stevens Institute of Technology	//4		10		7	Hoboken, N. J.
1	Massachusetts Institute of Technology	95			341		Boston, Mass.
E	Columbia Schools of Engineering		3	3		43	New York, N. Y.

Theta Xi

DELTA CHAPTER

ESTABLISHED 1885

Fratres in Facultate

Harry Ellsworth Clifford

Henry Greenleaf Pearson

Fratres

John Ross Bates Erwin Ferdinand Bender David Wills Bridges Arthur De Witt Clark Enrique Cuesta Harold Coburn Fish Paul Hansen . Roy Guthrie Kennedy Benjamin Madero Harold Kay Merrow

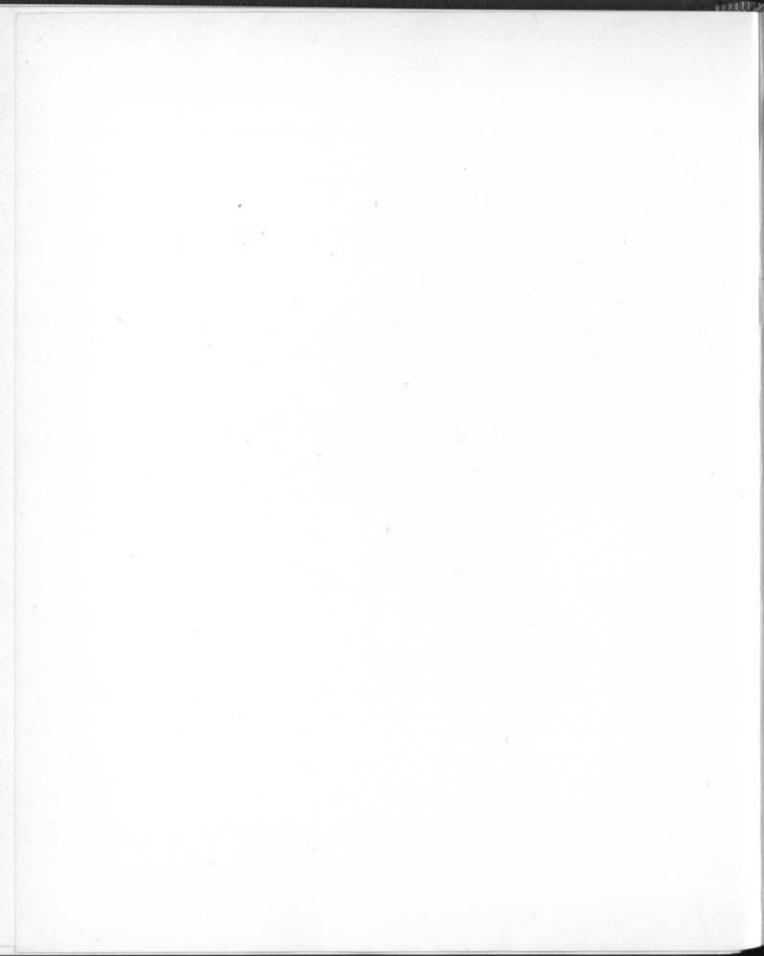
fratres in Arbe

Arthur Humphreys Alley
William Cornell Appleton
Albert Farwell Bemis
Alfred Miller Blinn
Edward Lyman Brown
Morton Eddy Cobb
Henry Marshall Crosby
Henry John Conant
Nathan Brown Day
Franklin Whitney Doliber
John Cowper Edwards
Horatio Southworth Frazer

Charles Hayden
Edward Johnson, Jr.
Frederick Wait Lord
Henry Adams Morss
Herbert Sturgis Potter
James Henry Reed, Jr.
Clifford Hopkins Shivers
Timothy Wilson Sprague
John Watson Tarbox
James Winthrop Tewksbury
Walter Bacon Trowbridge
Harry Hayward Young



Decks Shile



Delta Psi

Chapter Roll

A	Columbia College	7		33	2.5	36		15	New York City
1	University of Pennsylvan	iia	125		10	72	92	32	Philadelphia, Pa.
E	Trinity College .		0.5		10	Ģ.		93	Hartford, Conn.
Λ	Williams College .					36		10	Williamstown, Mass.
Φ	University of Mississippi		ts 80		- 27	33			Oxford, Miss.
	University of Virginia								Charlottesville, Va.
2	Sheffield Scientific School	1	100		94	37		1	New Haven, Conn.
T	Massachusetts Institute o	of	Technology	y	55		161	100	Boston, Mass.

Delta Psi

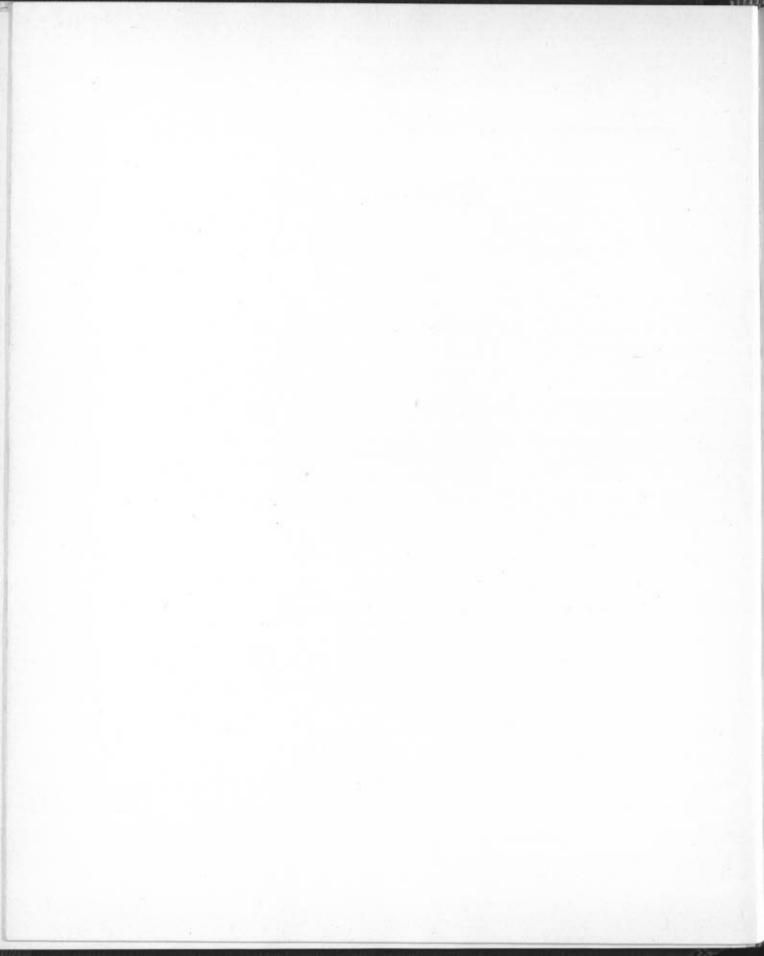
TAU CHAPTER

Fratres

Harry Walker Donald Charles Jewell McIntosh Allan Seymour Andrew Hopewell Hepburn Hans Frederick Schaefer Charles Stillman Sperry, Jr. George Bates Harrington Charles Wetmore Kellogg, Jr. Louis Gustave Bouscaren, Jr. Benjamin Nields, Jr. Melville Bryant Bowman Norman Leslie Snow Julian May Wright Kenneth Hulbert Disque Edward Thomas Steel, 2d Charles Emerson Hovey Robert Edward Lee Taylor



Distant.



Chi Phi

Chapter Koll

Oniversity of virginia					13	137		Charlottesville, Va.
Massachusetts Institute	of T	echnol	logy					Boston, Mass.
Emory College .	100	100						Oxford, Ga.
Rutgers College	10		3.5	39				New Brunswick, N. J
Hampden-Sydney Colleg	ge	54					0.	Hampden-Sydney, Va
Franklin and Marshall	Colleg	ge .	1.7		4	-		Lancaster, Pa.
University of Georgia	3		-	¥				Athens, Ga.
Rensselaer Polytechnic	Instit	ute	23					Troy, N. Y.
Ohio State University	+3	19			*		17	Columbus, Ohio
University of California	120	3	12	2				Berkeley, Cal.
Stevens Institute of Tec	hnolo	gy	100				20	Hoboken, N. J.
University of Texas	6			32		0		Austin, Texas
Cornell University		23			20	40.	4.0	Ithaca, N. Y.
Sheffield Scientific School	ol, Ya	le Un	iversi	ty	2	3	37	New Haven, Conn.
Lafayette College			10		٠,			Easton, Pa.
Wofford College .							-	Spartansburg, S. C.
Amherst College	201		4				100	Amherst, Mass.
Dartmouth College .	28.7			1			100	Hanover, N. H.
Lehigh University	35		1	4		W		South Bethlehem, Pa.
	Massachusetts Institute Emory College Rutgers College Hampden-Sydney College Franklin and Marshall University of Georgia Rensselaer Polytechnic Ohio State University University of California Stevens Institute of Tec University of Texas Cornell University Sheffield Scientific School Lafayette College Wofford College Amherst College Dartmouth College	Massachusetts Institute of To Emory College Rutgers College Hampden-Sydney College Franklin and Marshall College University of Georgia Rensselaer Polytechnic Instit Ohio State University University of California Stevens Institute of Technolo University of Texas Cornell University Sheffield Scientific School, Ya Lafayette College Wofford College Amherst College	Massachusetts Institute of Technol Emory College Rutgers College Hampden-Sydney College Franklin and Marshall College University of Georgia Rensselaer Polytechnic Institute Ohio State University University of California Stevens Institute of Technology University of Texas Cornell University Sheffield Scientific School, Yale Un Lafayette College Wofford College Amherst College Dartmouth College	Massachusetts Institute of Technology Emory College Rutgers College Hampden-Sydney College Franklin and Marshall College University of Georgia Rensselaer Polytechnic Institute Ohio State University University of California Stevens Institute of Technology University of Texas Cornell University Sheffield Scientific School, Yale Universit Lafayette College Wofford College Amherst College Dartmouth College	Massachusetts Institute of Technology Emory College Rutgers College Hampden-Sydney College Franklin and Marshall College University of Georgia Rensselaer Polytechnic Institute Ohio State University University of California Stevens Institute of Technology University of Texas Cornell University Sheffield Scientific School, Yale University Lafayette College Wofford College Amherst College Dartmouth College	Massachusetts Institute of Technology Emory College Rutgers College Hampden-Sydney College Franklin and Marshall College University of Georgia Rensselaer Polytechnic Institute Ohio State University University of California Stevens Institute of Technology University of Texas Cornell University Sheffield Scientific School, Yale University Lafayette College Wofford College Amherst College Dartmouth College	Massachusetts Institute of Technology Emory College Rutgers College Hampden-Sydney College Franklin and Marshall College University of Georgia Rensselaer Polytechnic Institute Ohio State University University of California Stevens Institute of Technology University of Texas Cornell University Sheffield Scientific School, Yale University Lafayette College Wofford College Amherst College Dartmouth College	Massachusetts Institute of Technology Emory College Rutgers College Hampden-Sydney College Franklin and Marshall College University of Georgia Rensselaer Polytechnic Institute Ohio State University University of California Stevens Institute of Technology University of Texas Cornell University Sheffield Scientific School, Yale University Lafayette College Wofford College Amherst College Dartmouth College

Chi Phi

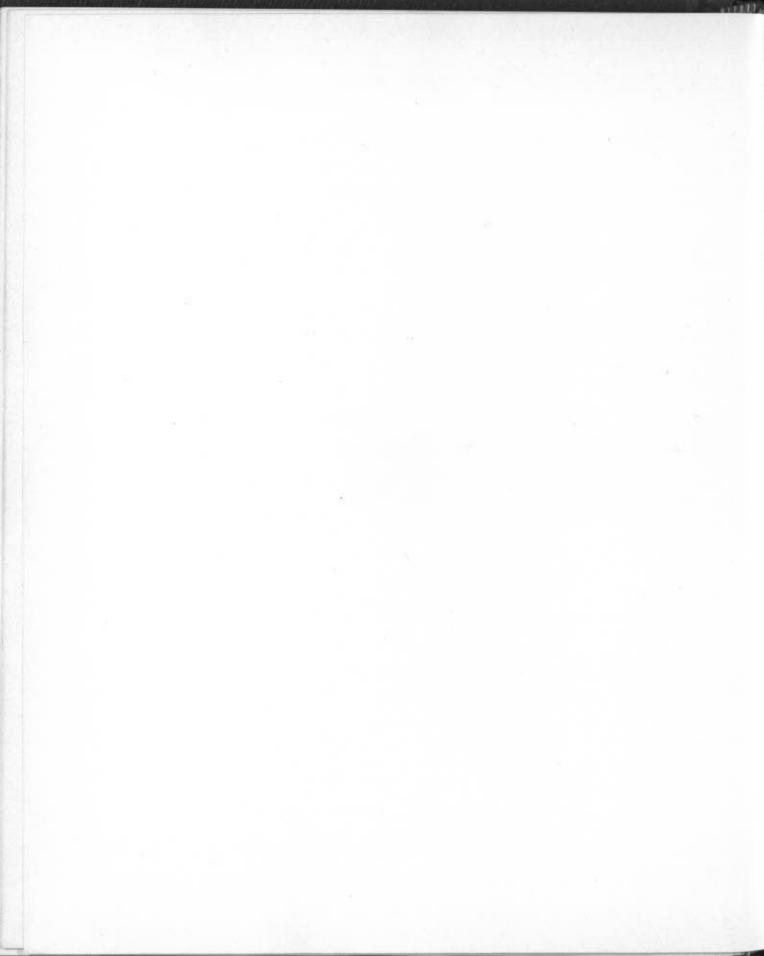
BETA CHAPTER

ESTABLISHED 1890

Fratres

Carl Thompson Bilyea Laurance Montjoy Buck Walter Lorrain Cook Francis Woodward Davis Neil Davis Emerson Mortimer Yale Ferris Alrfed W. Geist, Ir. Frederick Bertine Guest Robert Stavely Hamilton Sidney Morgan Henry Edwin Bruce Hill John Hampden Holliday, Jr. Charles Lowell Homer Edwin Rowland Humphrey James McClurg Lambie Lewis Bowen McBride Samuel Alfred McClung, Jr. Silas Clarence Merrick Theodore Parker Moorehead Frederic Nickerson Henry Augustus Pemberton George Hardy Powell Russell Peter Raynolds Edwin Lawrence Smith Merrick Eugene Vinton, Jr. Milford Wortham





Delta Kappa Epsilon

Chapter Koll

Phi	Yale University	25			10		1844
Theta	Bowdoin College				40	4.5	1844
Xi	Colby University						1845
Sigma	Amherst College		9	9			1846
Gamma	Vanderbilt University			1.0			1847
Psi	University of Alabama		39	5.6			1847
Upsilon	Brown University						1850
Chi	University of Mississippi	12	32			1	1850
Beta	University of North Carolina				(4)	30	1851
Eta	University of Virginia		5.0				1852
Карра	Miami University					9	1852
Lambda	Kenyon College	- 0		11.00			1852
Pi	Dartmouth College		54			1.00	1853
Iota	Central University of Kentucky					160	1854
Alpha Alpha	Middlebury College						1854
Omicron	University of Michigan						1855
Epsilon	Williams College				100		1855
Rho	Lafayette College				2.5	12.	1855
Tau	Hamilton College						1856
Mu	Colgate University						1856
Nu	College of the City of New Yor	rk			4.0	100	1856
Beta Phi	University of Rochester						1856
Phi Chi	Rutgers College			52		- 1	1861
Psi Phi	De Pauw University	141					1866
Gamma Phi	Wesleyan University				2.4		1867
Psi Omega	Renssalaer Polytechnic			9.6	55	33	1867
Beta Chi	Adelbert College			24	24	-3-	1868
Delta Chi	Cornell University			2.4	59	33	1870
Delta Delta	Chicago University		***	11.5		9.6	1870
Phi Gamma	Syracuse University	27			100		1871
Gamma Beta	Columbia College		1.7			2.0	1874
Theta Zeta	University of California			3.8		0.00	1876
Alpha Chi	Trinity College	2.5					1879
Phi Epsilon	University of Minnesota						1889
Sigma Tau	Massachusetts Institute of Tec	hnolog	у .				1890
Tau Lambda	Tulane University	9.7				215	1898
Alpha Phi	University of Toronto						1898
Delta Kappa	University of Pennsylvania	- 2					1899
Tau Alpha	McGill University	40	100			100	1901
Sigma Rho	Leland Stanford, Jr., Universit	у .					1903

Delta Kappa Epsilon

SIGMA TAU CHAPTER

ESTABLISHED 1890

fratres in facultate

Alfred Edgar Burton

George Vincent Wendell

Fratres

Charles Waldo Adams
Arthur John Amberg
Sidney Young Ball
John Ford Card
Theodore Augustine Dissel
Emmet Joseph Dwyer
Henry Douglas Eaton
David Elwell
Charles Joseph Emerson
Edward Chester Grant
Galen Moses Harris
Philip Edward Hinkley
Robert Rishworth Jordan

William Jared Knapp
Currier Lang
Norman Lombard
Mitchell Mackie
Louis Henry Maxfield
Andrew Otterson Miller
Blaine Heston Miller
Waldron Page Schumacher
Ernest Maxwell Smith
Preston Morris Smith
Percy Alexander Staples
Herbert Mygatt Wilcox
Clarence Benton Williams

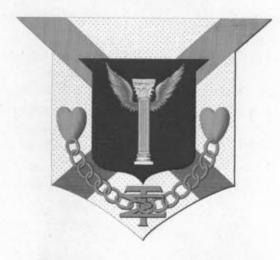
George Babcock Wood

Fratres in Arbe

William Stuart Forbes Frederic William Freeman Isaac Brewster Hazelton Walter Humphreys Allen Winchester Jackson Henry Orlando Marcy, Jr.
Leonard Metcalf
Benjamin Franklin Winslow Russell
John Alden Trott
David La Forest Wing

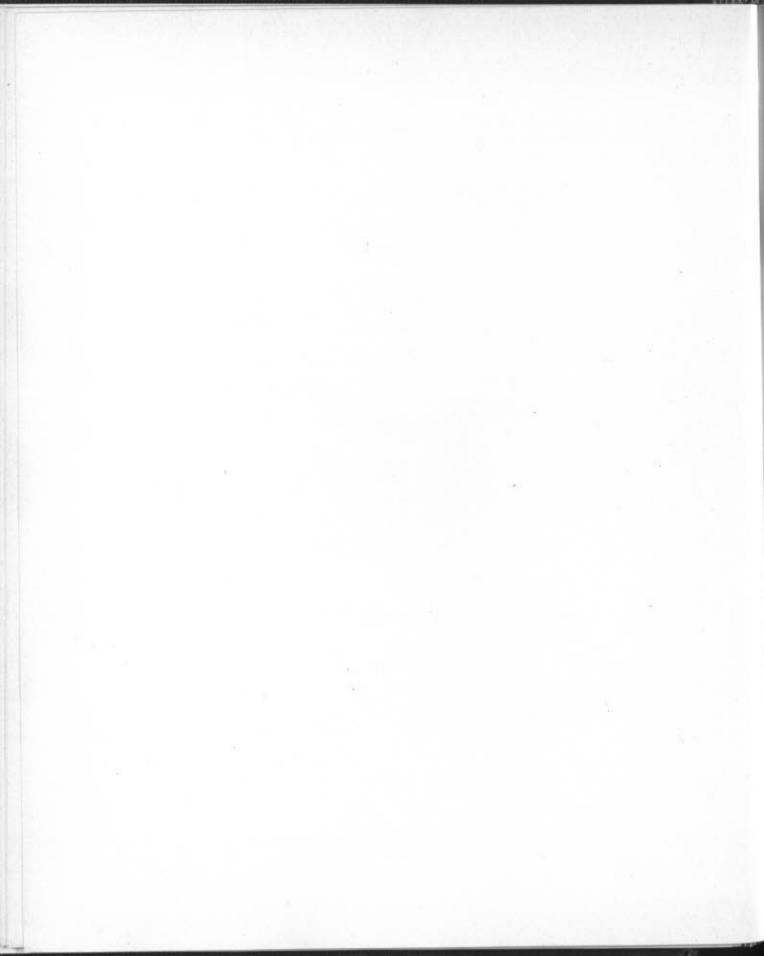
Austin Clarence Wood







2511 A 2580 & CO. BOSTON



Phi Beta Epsilon



LOCAL AT TECHNOLOGY

Phi Beta Epsilon

FOUNDED IN 1890

Fratres

Louis Winfield Adams
Ogden Ross Adams
George Edwin Atkins
Francis George Baldwin
James Salsbury Brown
John Tyrrell Cheney
Maxwell Alanson Coe
Edgar Bailey Cooper
Philip Grenville Darling
John Pickman Davis
William Franklyn Englis
Ralph Stowell Franklin

Harold Staniels Graham
Ernest Harrah
Walter Austin Hopkins
Richard Mack Lawton
Clarence Arthur Lord
Richard Oglesby Marsh
William Coolbaugh Marsh
Anthony Paul Mathesius
Albert Manton Read
Bertram Allen Richardson
LeBaron Turner
William Martin Van Ameringe

fratres in Urbe

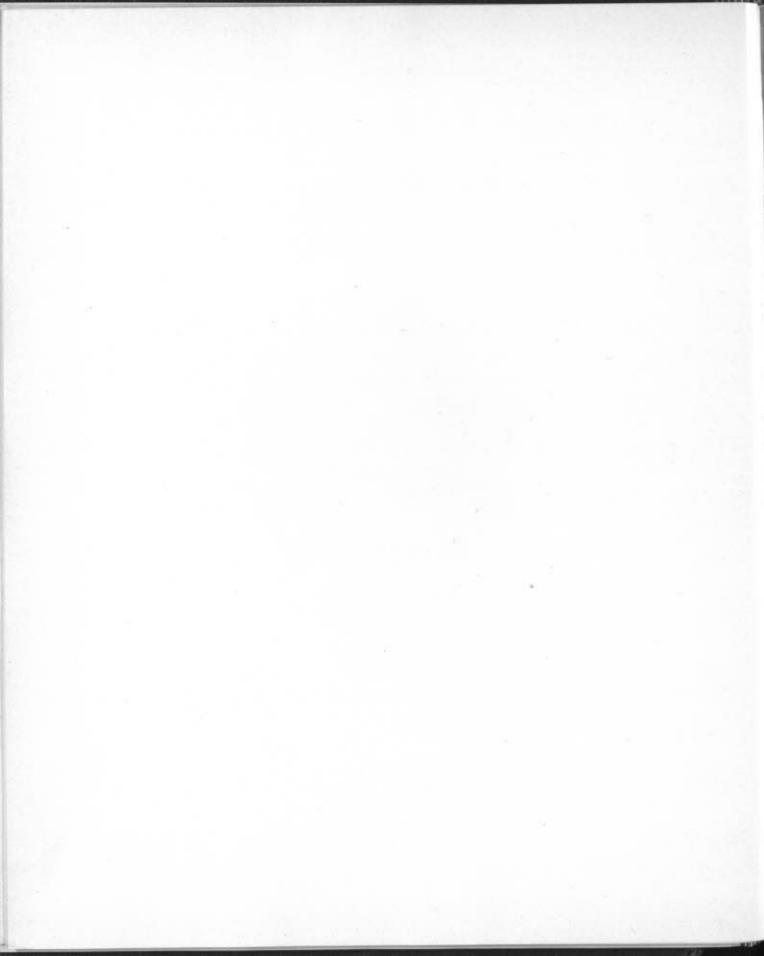
George R. Anthony
Harry N. Atwood
Stephen Bowen
Richard B. Derby
Henry Fisk
Sumner H. Foster
Andrew D. Fuller
DuRelle Gage
David E. Gray
George W. Hayden

Sheldon L. Howard
Harry G. Johnson
George W. F. Reed
Thomas P. Robinson
Charles A. Sawyer, Jr.
Ralph E. Sawyer
Walter M. Stearns
William Thalheimer
J. Gifford Thompson
William E. West

Henry Thornton Winchester



Donkin Philip



Delta Apsilon

FOUNDED AT WILLIAMS COLLEGE IN 1834

Chapter Roll

1834	Williams	19	100			39	-			Williamstown, Mass.
1838	Union						-		-	Schenectady, N. Y.
1847	Hamilton					- 2				Clinton, N. Y.
1847	Amherst	7.			- 20	12-				Amherst, Mass.
1847	Adelbert		-			-			100	Cleveland, Ohio
1852	Colby									Waterville, Me.
1852	Rochester		: 6			- 33	- 73			Rochester, N. Y.
τ856	Middlebury			7.0			V.,			Middlebury, Vt.
1857	Bowdoin				- 60					Brunswick, Me.
1858	Rutgers									New Brunswick, N. J.
1860	Brown	120				135		- 33		Providence, R. I.
1865	Colgate				200	100		100		Hamilton, N. Y.
1865	New York							9.4		New York City
1860	Cornell	123	- 60	- 2.	943			177	11	Ithaca, N. Y.
1870	Marietta			- 9	- 2	- 8		- 17		Marietta, Ohio
1873	Syracuse	-	-		100	120				Syracuse, N. Y.
1876	Michigan				- 0	50.0	200		-	Ann Arbor, Mich.
1880	Northwestern		- 8						33	Evanston, Ill.
1880	Harvard	8								Cambridge, Mass.
1885	Wisconsin	192					200	214		Madison, Wis.
1885	Lafayette							112		Easton, Pa.
1885	Columbia			- 8	- 8		33.7	- 55		New York City
1885	Lehigh	-8	- 3		777					South Bethlehem, Pa.
1886	Tufts									West Somerville, Mas
1887	De Pauw		100	1	- 50	- 50			- 22	Greencastle, Ind.
1888	Pennsylvania	병								Philadelphia, Pa.
1800	Minnesota	- 10			102	-		20		Minneapolis, Minn.
1891	Technology					- 0		2.60	105.0	Boston, Mass.
1893	Swathmore						10	0.386		Swathmore, Pa.
1896	California						5.0	100		Berkeley, Cal.
1806	Stanford		1.0					100	-	Palo Alto, Cal.
1808	Nebraska							-		Lincoln, Neb.
1898	McGill			(0)			950	- 56		Montreal, Canada
1899	Toronto	Ř	8		50			To the second	12	Toronto, Canada
1001	Chicago		4.0				100			Chicago Ill.
.90.	- mengo		821	500		259			32	

Delta Upsilon

TECHNOLOGY CHAPTER

ESTABLISHED 1891

Fratres in Facultate

Frank Vogel

Louis Derr

fratres

Miguel Ahumada, Jr.
Joseph Wheeler Aylsworth
Rutherfurd Bingham
Arthur William Blake
Franklin Sawyer Bradley
Claudius Howard Cooper
Robert Henry Doepke
James Duane Ireland
Frank Baldwin Jewett
Philip John Kearny
Hubert Merryweather

William Duffield Bell Motter, Jr.
Robert Porter Nichols
Louis Ballauf Rapp
Charles Loring Rodgers
George Beach Seyms
Robert Wyndham Seyms
Donald Argyle Stewart
Sidney Talbot Strickland
Maurice Crawford Tompkins
Everett Pendleton Turner
Howard Chubbuck Turner

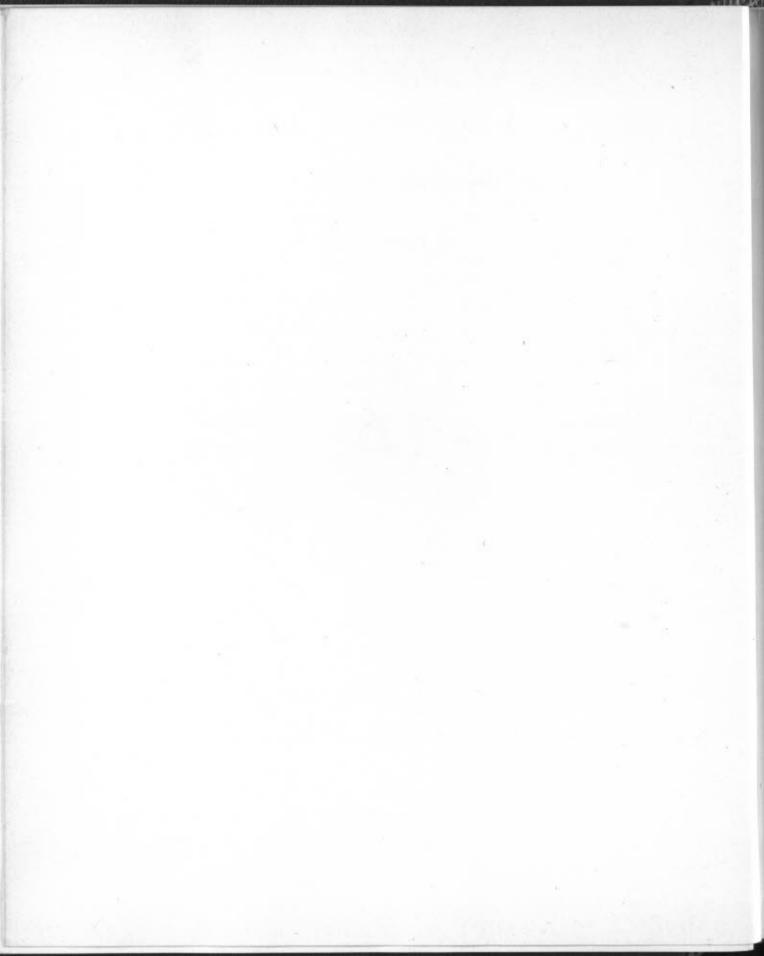
Waldso Turner

Fratres in Arbe

Joshua Atwood, 3d George Phillips Dike Charles Dunn Charles Warren Hapgood Albert Lincoln Kendall Arthur Samuel Keene John Winslow Horr Walter Elbridge Piper Thomas Gleason Richards
Miles Standish Richmond
Gardner Rogers
John Carleton Sherman
Clifford Melville Swan
Alfred Ball Tenny
Harry Warren Upham
William Cortelyou Whiston



Dreka Inia



Sigma Alpha Epsilon

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

Chapter Roll

Maine Alpha Massachusetts Iota Tau Massachusetts Beta Upsilon Massachusetts Gamma Massachusetts Delta New York Alpha New York Mu New York Sigma Phi Pennsylvania Omega Pennsylvania Sigma Phi Pennsylvania Alpha Zeta Pennsylvania Zeta Pennsylvania Delta Pennsylvania Theta Virginia Omicron Virginia Sigma North Carolina Xi North Carolina Theta South Carolina Gamma Georgia Beta Georgia Psi Georgia Epsilon Georgia Phi Michigan Iota Beta Michigan Alpha Ohio Sigma Ohio Delta Ohio Epsilon Ohio Theta Indiana Alpha Indiana Beta Illinois Psi Omega Illinois Beta Illinois Gamma Kentucky Kappa Kentucky Iota Kentucky Epsilon Tennessee Zeta Tennessee Lambda Tennessee Mu Tennessee Kappa Tennessee Omega Tennessee Eta Alabama Mu Alabama Iota Alabama Alpha Mu Mississippi Gamma Missouri Alpha Missouri Beta Nebraska Lambda Pi Arkansas Alpha Upsilon

University of Maine Massachusetts Institute of Technology Boston University Harvard University Worcester Polytechnic Institute Cornell University Columbia University St. Stephens College Allegheny College Dickinson College Pennsylvania State College **Bucknell University** Gettysburg College University of Pennsylvania University of Virginia Washington and Lee University University of North Carolina Davidson College Wofford College University of Georgia Mercer University Emory College Georgia School of Technology University of Michigan Adrian College Mount Union College Ohio Wesleyan University University of Cincinnati Ohio State University Franklin College Purdue University Northwestern University University of Illinois University of Chicago Central University Bethel College Kentucky State College Southwestern Presbyterian University Cumberland University Vanderbilt University University of Tennessee University of the South Southwestern Baptist University University of Alabama Southern University Alabama Polytechnic Institute University of Mississippi University of Missouri Washington University University of Nebraska University of Arkansas

Orono, Me. Boston, Mass. Boston, Mass. Cambridge, Mass. Worcester, Mass. Ithaca, N. Y. New York, N. Y. Annandale, N. Y. Meadville, Pa. Carlisle, Pa. State College, Pa. Lewisburg, Pa. Gettysburg, Pa. Philadelphia, Pa. Charlottesville, Va. Lexington, Va. Chapel Hill, N. C. Davidson, N. C. Spartansburg, S. C. Athens, Ga. Macon, Ga. Oxford, Ga. Atlanta, Ga. Ann Arbor, Mich. Adrian, Mich. Alliance, Ohio Delaware, Ohio Cincinnati, Ohio Columbus, Ohio Columbus, Ind. Lafayette, Ind. Evanston, Ill. Champaign, Ill. Chicago, Ill. Richmond, Ky. Russelville, Ky. Lexington, Ky. Clarksville, Tenn. Lebanon, Tenn. Nashville, Tenn. Knoxville, Tenn. Sawanee, Tenn. Jackson, Tenn. Tuscaloosa, Ala. Greenboro, Ala. Auburn, Ala. Oxford, Miss. Columbia, Mo. St. Louis, Mo. Lincoln, Neb. Fayetteville, Ark.

Chapter Koll-Continued

Texas Rho
Colorado Chi
Colorado Zeta
Colorado Gamma
California Alpha
California Beta
Louisiana Tau Upsilon
Louisiana Epsilon
Minnesota Alpha
Wisconsin Alpha

University of Texas
University of Colorado
Denver University
Colorado School of Mines
Leland Stanford, Jr., University
University of California
Tulane University
Louisiana State University
University of Minnesota
University of Wisconsin

Austin, Texas Boulder, Col. Denver, Col. Golden, Col. Palo Alto, Cal. Berkeley, Cal. New Orleans, La. Baton Rouge, La. Minneapolis, Minn. Madison, Wis.



Sigma Alpha Epsilon

MASSACHUSETTS IOTA TAU CHAPTER

Fratres

Roland Hunnewell Ballou
Donald Minor Belcher
William Brenton Boggs
Charles Reid Boggs
William Winslow Burnham
Frank Gardner Cox
William Eager
Nathan Jackson Gibbs
Lee Faulkner Goldthwaite
Carl Herman Graesser
Alexander Healey
Harold Garfield Hixon
William Green
Simon Jonas Martenet, Jr.

Clarence Atkins Neal (Mo. Alpha)
George William Prentiss
Edward Farnum Rockwood
Scott Clark Runnels
Henry Christian Schaeffer
James Utah Nicholas
Henry George Nicholas
Lawrence Hosmer Underwood
Jean Philip Varian (Col. Zeta)
George Daves Wilson (Penn. Zeta)
Lewis Gamaliel Wilson (Penn. Zeta)
Frederick Bertholdt Saegmüller
Carl Alfred Houck [(Va. Omicron)
Ralph LeRoy Segar

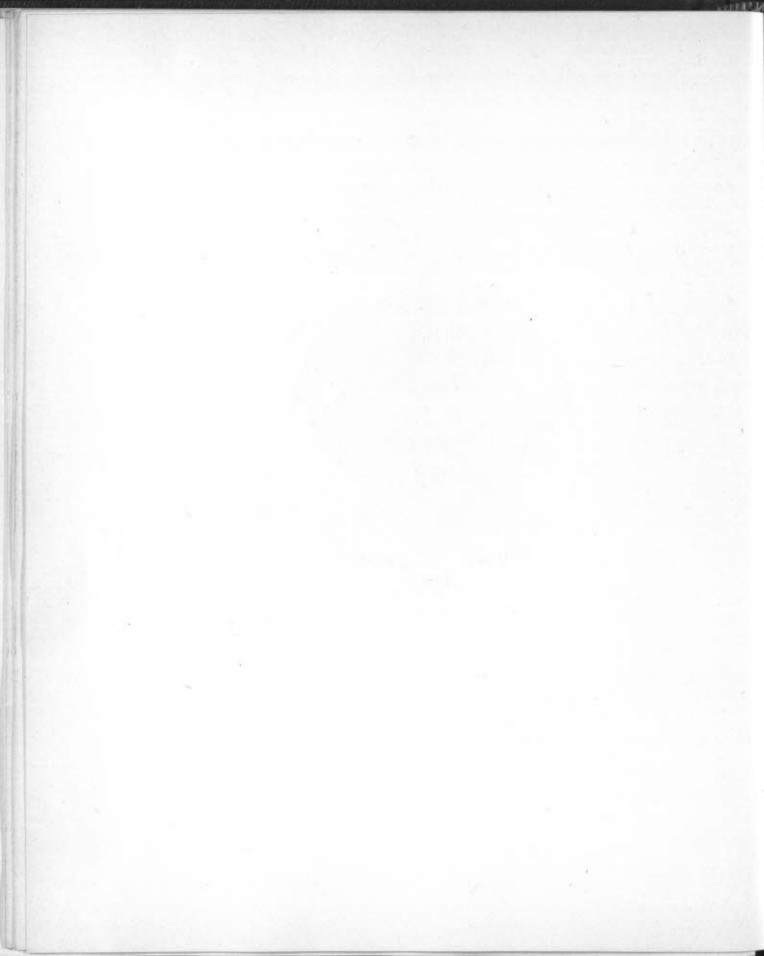
Fratres in Arbe

Harrington Mack
Carl Leon Morgan
Walter Robert Phemister
Myron Everett Pierce
Clarence Howard Walker
Robert Sidney Wason
William Wright Walcott
Winslow Abbott Wilson
Howard Parker Wise
Robert Vaughan Brown
Leslie Walker Millar

Alfred Richard Beddall
Wallace Clark Brackett
Cardella Drake Brown
Harold Chase Buckminster
Luzerne Simeon Cowles
Charles Spencer Crane
William Wyman Crosby
John Wallis Fleet
Charles Mussey Fosdick
William Thomas Hall
Herman Hormel



Shower Page



Phi Gamma Delta

ESTABLISHED 1848

Chapter Roll

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

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

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

Chapter Roll-Continued

Theta
Tau Delta
Xi Delta
Alpha Iota
Pi Rho
Chi Epsilon
Alpha Theta

University of Alabama University of Texas Adelbert College Purdue University Brown University Chicago University University of Michigan Tuscaloosa, Ala. Austin, Texas Cleveland, Ohio Lafayette, Ind. Providence, R. I. Chicago, Ill. Ann Arbor, Mich.



Phi Gamma Delta

IOTA MU CHAPTER

ESTABLISHED 1889

Fratres

Arthur Benjamin Allen
Edward Sherman Baker
Sumner Edwin Brown
Everett Shackleford Cason
Harold Douglas Church
Frederick Clark Durant, Jr.
Quincy Pierce Emery
Percy Allen Goodale
Frederick Lyle Higgins
Elmer Allen Holbrook
Ralph Osborne Ingram
Elliot Walker Knight
Frederic Schuyler Krag
Alfred Ernest Lang

Joseph Thomas Lawton, Jr.
Ben Edwin Lindsly
Harry Raymond Low
Alpheus Lyon
Mark Graham Magnuson
Addison Haynes Nordyke, Jr.
Paul McClary Paine
Thomas Coulson Pinkerton
Lane Schofield
Walter George de Steigner
Harold Clapp Stetson
Winfred Albert Taylor
Raymond Ware
Walter Pervoort Wyman

H. Willard Hiss

Fratres in Arbe

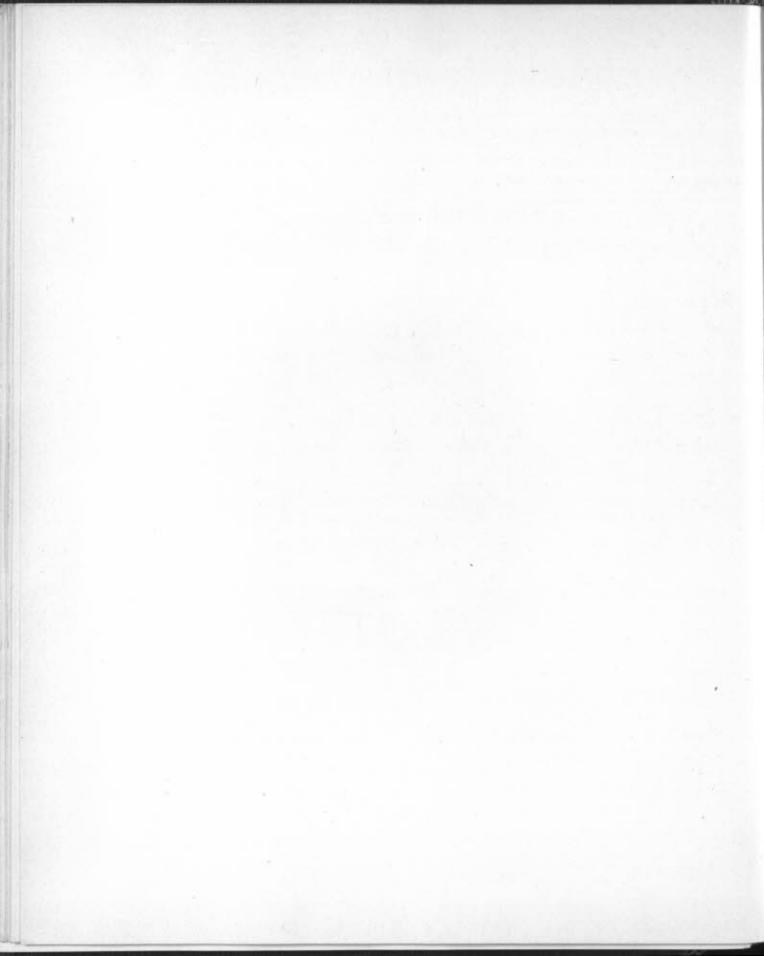
S. Cabot
B. S. Clark
J. C. Cobb
W. W. Dow

W. F. Evans A. W. Friend E. J. Proulx A. J. Sweet

R. F. Whitney



Drekn Phila



Phi Sigma Kappa

The Roll of Chapters

1873 Alpha Massachusetts Agricultural College 1888 Beta Union University 1880 Gamma Cornell University 1891 Delta West Virginia University 1893 Epsilon Yale University 1896 Zeta College of the City of New York 1897 Eta University of Maryland 1897 Theta Columbia University 1899 Iota Stevens Institute of Technology 1899 Kappa The Pennsylvania State College Lambda 1899 The Columbian University 1900 Mu University of Pennsylvania 1901 Nu Lehigh University 1902 St. Lawrence University Omicron Massachusetts Institute of Technology

The Roll of Clubs

The New York Club	1889
The Boston Club	1897
The Albany Club	1900
The Connecticut Club	1901
The Southern Club	1902

Phi Sigma Kappa

OMICRON CHAPTER

ESTABLISHED 1902

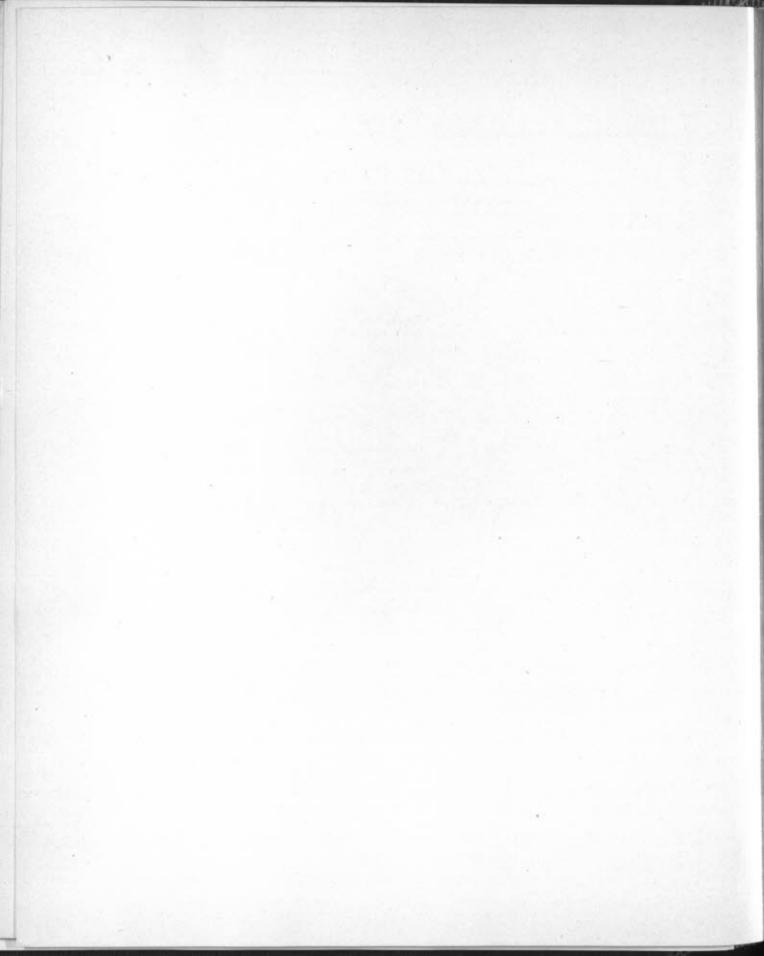
Fratres

Harold Gilliland Crane
Arthur Nelson Hastings
William Strachan Goninlock
Jacob Brum Reinhardt
Homer Olsen Page
Ralph Nims Whitcomb
John Delaney McQuaid
Harry Tebbetts Rollins
Eugene Haines Russell, Jr.
William Walter Cronin
Walter Abbe Smith
Harold Eugene Webb
William Arthur Kemper

Fratres in Arbe

Frank L. Packard
Phanor J. Eder
Albert G. Rich
Adolph F. Haffenreffer





B

EZK.M

X BA BB BZ BØ

 $B\Psi$ ΓJ

A Γ P

Q BA BM

BN BO BX

 $\Gamma\Gamma$ ΓE ΓZ

Delta Tau Delta

ESTABLISHED AT BETHANY COLLEGE, 1859

The Active Chapters

SOUTHERN DIVISION

1		10		Vanderbilt University
II		-		University of Mississippi
0				Washington and Lee University
BE				Emory College
$B\theta$				University of the South
BI				University of Virginia
$B\Xi$				Tulane University
	4			

WESTERN DIVISION

0		1.4					University of Iowa
BI			3.4				University of Wisconsin
BH	15.11						University of Minnesota
BK			278				University of Colorado
ВП							Northwestern University
BP					5		Leland Stanford, Jr., University
BT							University of Nebraska
Br	101					100	University of Illinois
BQ							University of California
TA		100					University of Chicago
ΓB							Armour Institute Technology

NORTHERN DIVISION

Ohio University
University of Michigan
Albion College
Adelbert College
Hillsdale College
Ohio Wesleyan University
Kenyon College
Indiana University
De Pauw University
Butler College, University of Indianapolis
Ohio State University
Wabash College
University of West Virginia

EASTERN DIVISION

Allegheny College
Washington and Jefferson College
Stevens Institute of Technology
Rensselaer Polytechnic Institute
University of Pennsylvania
Lehigh University
Tufts College
Massachusetts Institute of Technology
Cornell University
Brown University
Dartmouth College
Columbia University
Wesleyan University

Delta Tau Delta

BETA NU CHAPTER

ESTABLISHED MAY 18, 1889

Fratres

Fred Hathaway Abbott Clem Clare Carhart Frank Milton Carhart Frank Spencer Elliott Robert Morse Folsom Frank Emmons Guild Henry Francis Lewis Elliott Lum

Frederick Ebenezer MacMillan
Williston Canfield Rich
Arthur Scott Thomas
Fremont Nelson Turgeon
William Henty Prentiss Wright
Ralph Benjamin Yerxa
Bartolette Artman Yoder
Horace Singer Baker (Beta Pi)

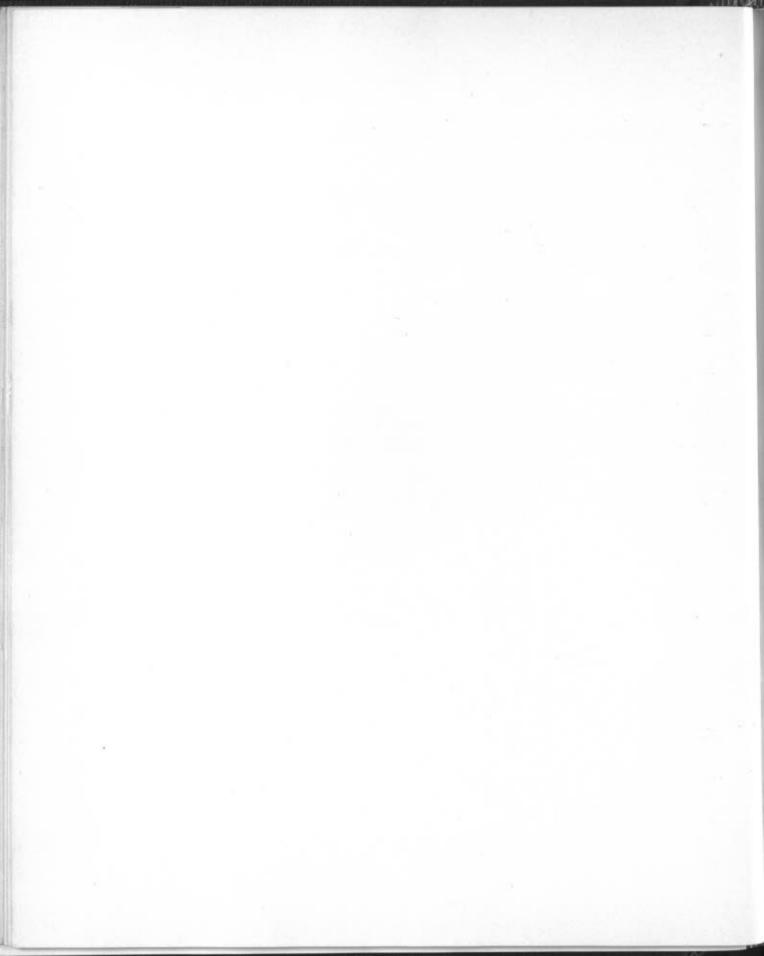
fratres in Urbe

Arthur Gibson Bixby Francis Minot Blake George William Bryden William Louis Creden Henry Bodge Pennell George Batcheller Perkins Frederick Pond Simonds Francis Fay Hill Smith

Clifford Molineaux Tyler



Dreiter Philir . 10c/pg:elghi i



Theta Chi

FOUNDED AT NORWICH UNIVERSITY, 1856

Chapter Roll

Alpha	100	45	61	Norwich University
Beta .				Massachusetts Institute of Technology

Theta Chi

BETA CHAPTER

ESTABLISHED, 1902

Charles Morton Hutchins
Edward Ruddock Hyde
Charles Edward Johnson
Burton Warren Kendall
Patrick James Kennedy, Jr.
James William Kidder
Henry Delano Loring
Roland Everett Page
Ralph Omer Reed
Clarence Hale Sutherland
Paul Baron Webber



ALPHA DELTA PHI

ALPHA CHI RHO . BETA THETA PI

DELTA PHI

THETA DELTA CHI KAPPA ALPHA SIGMA CHI SIGMA NU PHI BETA KAPPA

PHI DELTA THETA

PHI KAPPA PSI

PHI PI EPSILON CHI PSI

PSI UPSILON

Fernando Moreno Blount Austiu D. Jenkins T. M. Pease J. V. Rathbone H. C. Smith Omar Swenson G. W. C. Whiting

Edward H. Lorenz

Alfred Bruton W. J. Sneeringer, Jr. Stuart L. Walcott

Montague Ferry Paul G. L. Hilken

Raymond M. Hood John Armistead Spilman

John Armistead Spilman

Charles H. Porter

T. P. Bedford

William P. Cross William P. Bentley Edward H. Lorenz Grant Ford

William L. Gillett Clyde Webster McCornach Walter Ray McCornach Reginald Monsurrat Charles B. Moseley

Byron Clingerman J. W. Welsh

E. R. Ray

Joseph H. Bakewell Harold Haskins Ernest William Pelton Clark D. Simonds

Eugene W. Mason Theodore A. Sammis Frederick B. Thurber Yale University
Williams College
Kenyon College
Kenyon College
Adelbert College
Dartmouth College
Johns Hopkins University

Trinity College

Johns Hopkins University Johns Hopkins University Wabash College

Yale University Lehigh University

Brown University

Virginia Military Institute

Brown University

Central College

University of Rochester Trinity College Trinity College Amherst College

University of the South Knox College Knox College Ohio State University Brown University

Wittenberg College Harvard College

Lake Forest University

Cornell University University of Wisconsin Amherst College Middlebury College

Brown University University of Minnesota Brown University

FRATERITY SUMMERY



122										
Sigma Chi							-			23
Theta Chi										12
Delta Psi										17
Chi Phi						48				26
Phi Gamma D	elta .					52		125		30
Delta Kappa I	Epsilon	-			7.0					27
Phi Beta Epsil	lon .									24
Delta Upsilon							74	. 0		23
Sigma Alpha I	Epsilon	- 25	13	35		- 3	100	100		28
Delta Tau Del	ta .	100	1.4	14		1.0	-38	160	97	16
Phi Sigma Ka	ppa .	+11								13
Other Fraterni	ties rep	resent	ed	1			4		7	35
Total										274
Total	17.	711			- 7	11.0				-/4

Percentage of Fraternity Den at Technology

Year						No.	of Men	ř.					P	er Cent
1885-86		97	2.0	100			52		Y	90	*	100	- 5	8.5
1886-87	*		363				42						-0	8.9
1887-88		\$		9			42	Ñ				13	188	6.1
1888-89			- 10		1	0.	45	1	16	40		455	4.5	5.4
1889-90					76	44	93			*	-61	400	8.0	10.8
1890-91							158	141						16.0
1891-92						10	184			100		2	100	17.1
1892-93						35	207		2	-	2.4	10	20	18.8
1893-94	10					104	191		30	90		300	60	16.5
1894-95		5.0					201			-	-			16.9
1895-96						41	192	1/2		43			- 5	16.2
1896-97			25				189		1.2		46	9.1	4.5	15.8
1897-98					25		173	19.		4.0	4	111	100	14.4
1898-99				101			189							16.1
1899-1900							216		12	12			73	18.4
1900-01		2			25		213				2.0		100	17.9
1901-02		141		45.	20		245	3			0.0	2.5	C.	17.1
1902-03				100	100		274	1.0						16.9

LOCAL



SOCIETIES



ESTABLISHED 1883

Members

1903

Warren F. Currier Stanley A. Foster Albert A. Haskell Arthur S. Martin John R. Odell Frederic A. Olmsted

George R. Spaulding

1904

Stuart W. Benson Walter E. Hadley Reginald Hazeltine Charles R. Haynes Marquis E. Benson Guy C. Riddell

1905 Robert L. Young

Donorary Dembers

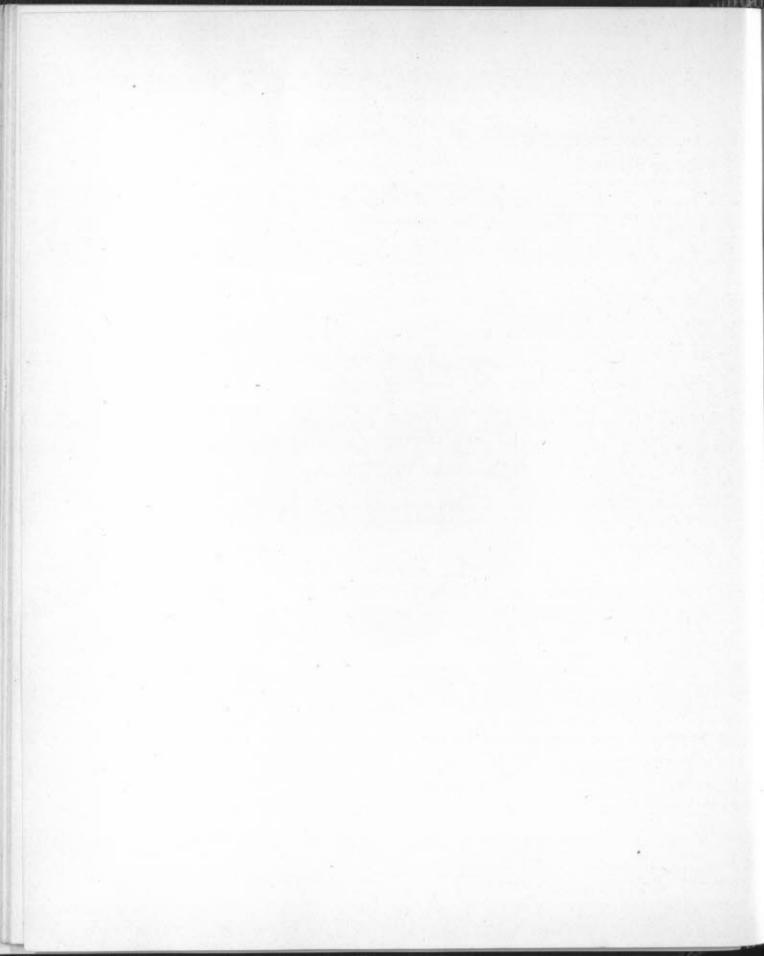
John Alden
Fred L. Bardwell
Samuel Cabot
Henry Carmichael
James M. Crafts
Charles R. Cross
William S. Davenport
Thomas M. Drown
Thomas Evans
Henry Fay
Augustus H. Gill
Heinrich O. Hofman
G. Russel Lincoln
Arthur D. Little

Richard W. Lodge
F. Jewett Moore
Samuel P. Mulliken
James F. Norris
Arthur A. Noyes
Thomas E. Pope
Henry S. Pritchett
Robert H. Richards
George W. Rolfe
William T. Sedgewick
John W. Smith
Henry P. Talbot
Frank H. Thorp
William H. Walker

Wilis R. Whitney



Deutse Phite.





Officers

Dembers

Edward T. Barron J. Russell Jones Franklin Sawyer Bradley James Metcalfe Garrit Samuel Cannon Charles Jewell McIntosh Claudius Howard Cooper Benjamin Nields, Jr. Francis Woodward Davis Lewis Bowen McBride Walter Maynard Drury Henry Augustus Pemberton William Burden Ferguson, Jr. Louis Ballauf Rapp Mortimer Yale Ferris George Beach Seyms John Lawrence Gilson Henry Stoddard Sherman Robert Stavely Hamilton John Armistead Spilman Sidney Morgan Henry Floyd Thomas Taylor Andrew Hopewell Hepburn A. Philip Wadsworth James Duane Ireland Stuart Lanier Walcott

George Babcock Wood

Round Table

KING ARTHUR . . MELVILLE BRYANT BOWMAN

QUEEN GUINEVER . . WILLIAM DUFFIELD BELL MOTTER, Jr.

MERLIN . . . WALDSO TURNER

knights

SIR GALAHAD . . . HARRY WALKER DONALD

SIR LAUNCELOT . . JOHN HAMPDEN HALLIDAY

SIR GAWAIN . . HOWARD MAURICE EDMUNDS

Ferdando Moreno Blount Melville Bryant Bowman

James S. Brown

Harry Walker Donald

Howard Maurice Edmunds

Edwin Bruce Hill

John Hampden Halliday

Robert Howard William Lord

Theodore Parker Moorehead

William Duffield Bell Motter, Jr.

Samuel Seaver

Robert Wyndham Seyms

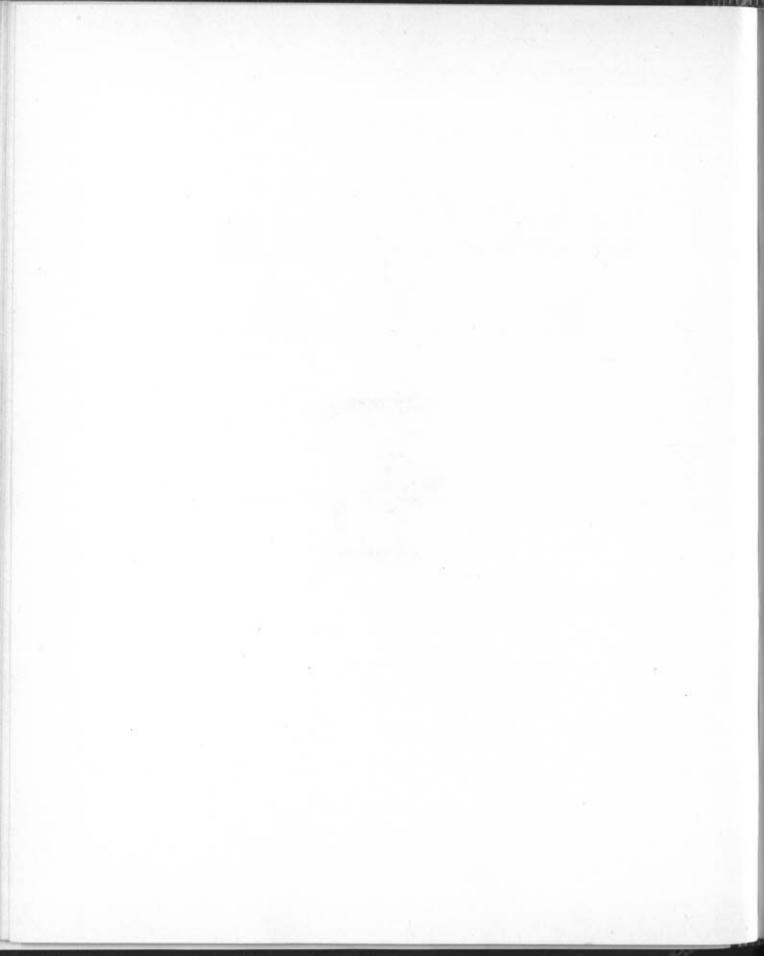
Edwin L. Smith

Sidney Talbot Strickland

LeBaron Turner

Waldso Turner







Chief . . . RENSHAW BORIE
Chief's Daughter . . SAMUEL SEAVER
Medicine Man . . E. T. STEEL, 2d

Council of War

JOHN HOLLIDAY, Jr.

W. deB. MOTTER, Jr.

T. MORRIS POTTS

Members

1905

Renshaw Borie M. Bryant Bowman John H. Holliday, Jr. H. W. Donald Robert Lord W. deB. Motter, Jr. T. Morris Potts

H. F. Schaefer

E. T. Steel, 2d Louis E. Robbe Sidney T. Strickland Waldso Turner

Robert W. Seyms

Samuel Seaver

1906

Miguel Ahumada, Jr. Laurance M. Buck Donald A. Stewart R. Bingham H. K. Disque Edgar Clark Ballou Allan Seymour Arthur W. Blake M. E. Vinton, Jr. Julian M. Wright R. H. Doepke Nugent Fallon Harold Street Wilkins



HENRY SMITH PRITCHETT ALFRED EDGAR BURTON

Members

George Edwin Atkins Louis Gustave Bouscaren, Jr. George Alden Curtis Merton Leslie Emerson Walter Elbridge Hadley Charles Rogerson Haynes Charles Lowell Homer George Hardy Powell Preston Morris Smith Arthur Jeremiah Sweet

Clarence Benton Williams

ATHETICS





Athletics

HEN Varsity football was abolished at Technology in the fall of 1902, it was predicted that in the other branches of athletics, principally the track team, a decided improvement would be noted. This predicted improvement has not as yet been very marked as regards Varsity athletics, but as regards the class teams it is realized to some extent.

The interest seems to be centered on the track team and it has been proved beyond a doubt that only in track athletics can Technology be placed with other colleges. The Hare and Hounds Club has been dropped and less interest is now shown in the Cross Country Team. The track team, principally through the efforts of two men, secured fourth place at the New England Intercollegiate meet at Worcester. In the four previous years the team got fourth, seventh sixth and fifth places respectively; while in 1894, it won the championship. In the triangular meet with Dartmouth and Brown, we got a good second to Dartmouth. At the B. A. A. indoor meet Technology secured more points than any other college represented, the relay team winning on a foul. An indoor meet with Tufts was easily won, 45 to 21 points.

In tennis Tech came out on top in the singles, and showed up well in the doubles. To F. Bradley, '02, belongs the distinction of having won the New England Intercollegiate Tennis championship for Tech. After three years' play the relative standing



of the clubs is: Brown, 3; Tech, I I-2; Amherst, I I-2; Bates, I; Dartmouth, I-2; Wesleyan, I-2; Tufts, I-2.

A fencing team has been organized during the year and in the

matches shown up ket-ball and have had a porters, and of these not very en It is in class however,



played has well. Bas-Hockey few suptherecords teams are couraging. athletics, the im-

provement has been most noticed. The class baseball teams of last spring met with more success than any other class teams have had for some time, and there was no little interest manifested. In



two hotly contested games 1904 won the championship for the year.

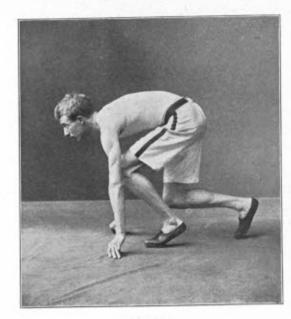
The past fall brought out two very creditable class football teams. The last teams have had competent coaches over them and the result has been



CAPI. G. A. CURTIS

a marked improvement. 1905 again won the championship in football by defeating 1906.

In summing up the situation of athletics in general at Technology we can not but help thinking that there is chance for vast improvement. We have now only one Varsity team and that should be a star, as everything is concentrated towards it. The good showing of the class football teams gives some hope for believing that there is material enough and therefore a chance to warrant Technology again officially recognizing football. There is plenty of opportunity for great things in athletics, but it will have to be the result of hard, consistent efforts on the part of the undergraduates.



H. S. BAKER



ATHILIETIC ADVISORY COVECIIL

Officers

FRANK H. BRIGGS, '81 Chairman

HARRY L. MORSE, '99 Treasurer CHARLES A. SAWYER, Jr., '02 Acting Secretary

Representatives from D. J. T. Alumni Association

Thomas Hibbard, '75

Frank H. Briggs, '81

John L. Batchelder, '90

Representative from Institute Committee

Charles Lowell Homer, '04

Representative from Athletic Association

Henry T. Winchester, '03



T H E and has managed the athletics at the Institute since time. Under the rulings of this association three held, open only to students in M. I. T.; one in the Fall, one in the Mid-Winter, and one in the Spring. Only points obtained by men in the Winter and Spring meets are counted towards the class championship.

Officers

KENNETH CROTHERS GRANT, '02
President

GEORGE ALDEN CURTIS, '04 Vice-President WILLIAM WALTER CRONIN, '04 Secretary

RICHARD OGLESBY MARSH, '05 Treasurer

HENRY THORNTON WINCHESTER, '03 Representative Advisory Council

THOMAS EDWARD JEWETT, '05
Manager of Track Team

HERBERT JAMES MANN Assistant Manager

Crecutive Committee

GEORGE ALDEN CURTIS . . . Captain Technology Track Team
HENRY THORNTON WINCHESTER . Captain 1903 Track Team
JOSEPH WARREN CROWELL . Captain 1904 Track Team
THOMAS EDWARD JEWETT . Captain 1905 Track Team
HERBERT JAMES MANN . . . Captain 1906 Track Team



HE New England Intercollegiate Athlet ic Association was organized in 1886, with Amherst, Bowd oin, Brown, Dartmouth, Tufts and Williams as charter members. The Association is governed by an executive council consisting of a president, vice-president, secretary, treasurer and three committeemen. These officers convene in Boston the third Saturday in February and arrange for the annual Field Day which takes place the Saturday preceding the last Saturday in May. The committee also elects officers for the insuing year.

Technology became a member of the association in 1894 and that year took the championship by a good margin of points.

Officers

J. B. ELY, Williams President

J. L. MITCHELL, Bowdoin Vice-President

A. T. FOSTER, Amherst Secretary

H. T. WINCHESTER, M. I. T. Treasurer

Crecutive Committee

Chairman, J. B. ELY, Williams

H. T. Winchester, M. I. T.

L. L. Parker, Wesleyan

R. J. Cleeland, Amherst

A. N. Pope, Brown

J. B. Walther, Dartmouth

A. T. Foster, Amherst

Members of the Association

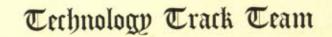
Amherst College Brown Williams College Dartmouth College University of Maine Brown University Wesleyan University Bowdoin College Trinity College Tufts College

Massachusetts Institute of Technology

Worcester Polytechnic Institute

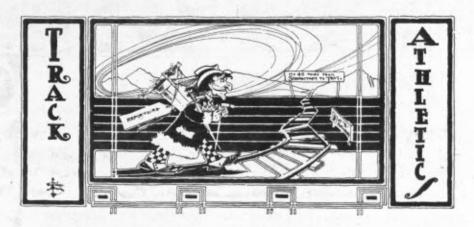
Championship Winners

M. I. T., 1 BOWDOIN, 1 WILLIAMS, 2 AMHERST, 5 DARTMOUTH, 7





LINDSLEY GANNETT KRUSE MORRILL PEMBER WINCHESTER GRANT RILEY H. S. BAKER MAHON, Coach EMERSON E. S. BAKER GLEASON CURTIS BOGGS AVERY EDWARDS



Darsity Track Team

1903 Officers

GEORGE ALDEN CURTIS, '04 Captain

> JOHN MAHON Coach

THOMAS EDWARD JEWETT, '05
Manager

HERBERT JAMES MANN, '05

Assistant Manager

Team, 1902

Francis Deane Avery
Horace Singer Baker
George Alden Curtis
Ralph Dammarell Emerson
Robert Louis Kruse
Ben Edwin Lindsley
Francis Bradford Riley

Edward Sherman Baker William Brenton Boggs Robert Seaver Edwards Kenneth Crothiers Grant Leon Gilbert Morrill Walter Purton Ross Pember Henry Thornton Winchester

16th Annual Meet A. E. J. A. A.

Event			Winners				Time	, Ht	., Distance
100-yard Dash .	* :	. 1.	W. D. Eaton T. P. Hubbard H. L. Gutterson		Amherst Dartmouth Williams	Y 3		*	10 1-5 sec.
One-mile Run .			H. S. Baker F. L. Doughty C. W. Bean		M. I. T. Brown Amherst		- 4	min	. 30 3-5 sec.
440-yard Run .			F. L. Thompson H. E. Smith H. G. Haleck	*	Amherst Dartmouth Dartmouth				51 1-5 sec.
880-yard Run .		5 25	H. S. Baker H. E. Taylor		M. I. T. Amherst Bowdoin		5 5	*1	min. 59 sec.
120-yard Hurdles .			E. S. Wilson	1.7	Amherst Dartmouth Williams	,	*		16 sec.
220-yard Dash .			W. D. Eaton H. E. Smith G. K. Pattee		Amherst Dartmouth Dartmouth			6.	22 3-5 sec.
220-yard Hurdles	1		P. P. Edson . R. W. Neal . R. S. Edwards .		Dartmouth Dartmouth M. I. T.				26 3-5 sec.
Two-mile Run	60 8	6 35	F. L. Doughty . C. A. Campbell . R. W. Handy		Brown Dartmouth Brown	t	. 1	10	min. 12 sec.
Putting Shot	, .		R. E. Rollins Denning J. W. Park		Amherst Bowdoin Amherts				*42′ 6¼″ • 39′ 4″ • 39′ 3¾″
Running Broad Jump			H. C. Van Welder L. G. Blackmer A. T. Foster		Trinity . Williams Amherst	3 1		10 50 96	*22' 5½" . 21' 11¾" . 21' 9½"
Pole Vault			G. A. Curtis R. S. Phillips W. Squires	1	M. I. T. Amherst Williams				. 10′ 8″ . 10′ 4½″ . 10′ 4½″

Throwing 16-pound Hammer	——Denning	-	Bowdoin					*134' 21/2"
	G. W. Patterson		Dartmouth			33	133	123' 6"
	W. C. Elliot	-	Maine .	65	1	-		121' 1/2"
Throwing Discus	A. M. Watson	4	Maine .					*116' o"
	J. W. Park		Amherst					
	F. Eumke	100	Th.					
	A. Dumke		brown .			3		110' 0"
Two-mile Bicycle Race	A. A. Dennico		Brown .				5 mi	n. 7 1-5 sec.
	H. E. Brown	1	Brown					
	G. B. Francis		Brown					
			200 00 00 00					

^{*}New N. E. I. A. A. Record established

Running High Jump .	L. G. Blackmer	Williams			-4	5' 714"
	R. H. Erust	Williams				5' 714"
	H. E. Smith	Dartmouth		4		5' 634"
	H. C. Van Welden .	Trinity				5' 634"

Summary of the Points

Event				Amh.	Dar.	Bro.	M.I.T.	Will.	Bow.	U.of	M.Trin.
100-yard Dash .	-	77		5	3	0	0		0	0	0
220-yard Dash	14			5	4	0	0	0	0	0	
440-yard Dash				5	4	0	0	0	0	0	
880-yard Run	- 10			3	0	0	5	0		0	
One-mile Run		- 0	- 6	1	0	3	. 5	0	0	0	0
Two-mile Bicycle R	ace			0	0	9	0	0	0	0	0
120-yard Hurdle Ra				5	3	0	0		0	0	0
220-yard Hurdle Ra				0	8	0	,		0	0	0
Putting 16-pound S		- 8	- 6	6	0	0		0	357.00	0	0
Running High Jum			10.0	0	01/2	0	0	8	3		0
Throwing 16-pound	Hamn	ner		0	3	0	0	0		0	01/2
Running Broad Jun	nn				0	0	0		5	1	o
Throwing Discus .				-	0	1		3	0	5	5
Pole Vault				2			0	0	0	5	0
Two-mile Run					0	0	5	2	0	0	0
ano mile Run		150	*	0	3	6	0	0	0	0	0
Totals			100	36	281/2	19	16	15	9	6	51/2

Annual Spring Meet

April 26, 1902

100-yard Dash	W. B. Boggs, '04 J. W. Crowell, '04 H. T. Winchester, '03		Ŷ.		Ų		10 3-5 sec.
One-mile Run	H. S. Baker, '03 E. F. Jenkins, '04 P. R. Pritchard, '05			25	9	4 min	. 56 1-5 sec.
120-yard Hurdle .	R. D. Emerson, '05 R. L. Kruse, '03 E. S. Baker, '02	ST.		8	81	2	17 2-5 sec.
Half-mile Run	H. S. Baker, '03 G. B. Manson, '03 C. M. Hardenberg, '03	W.:		9	×	2 min	. 12 4-5 sec.
220-yard Dash	W. B. Boggs, '04 J. W. Crowell, '04 L. F. Goldthwaite, '05	353			78 I 58	2	23 3-5 sec.
220 Low Hurdles	D. B. Bary, '04 .	100	34	2.0			29 sec.
220 2011 2111 4112	L. V. Fuller, '05 A. L. Magnitzky, '03		()	7	1.5	35	
440 yard Run	W. B. R. Pember, '02 C. M. Hardenburg, '03 S. B. Manson, '03			R		ie.	37 3-5 sec.
Running High Jump	H. Baetjer, '02 G. A. Curtis, '04 R. D. Emerson, '05; I	H. F.	Schae	fer, 'o	5		5′ 7″
Running Broad Jump	R. S. Franklin, '02 D. B. Bary, '04 K. C. Grant, '02			3.55	34	81	. 20′ 21⁄4″
Pole Vault	G. A. Curtis, '04 . G W. Eastman and F	. Gan	nett,	'02 (t	ied)		. 10′ 3″
Throwing the Hammer	B. E. Lindsley, '05 D. S. Wilson, '03 W. S. Gowinlock, '05			8	\$	8	. 98′ 6½″
Throwing the Discus	H. T. Winchester, '03 L. G. Morrill, '05 W. S. Gowinlock, '05				8		100′ 11½″
Shot-put	H. T. Winchester, '03 L. G. Morrill, '05 B. E. Lindsley, '05				1/3		37' 234"

Annual Fall Handicap Meet

Dovember 1, 1902

100-yard Dash .	(C. F. Northrup, '06 (7 yards) C. R. Haynes, '04 (3 yards) C. J. Hurley (4 yards)			10	3-5 sec.
One-mile Run ,	I	C. Tsuruta, '05 (80 yards) C. B. Riley, '05 (scratch) C. W. Sprague, '05 (45 yards)	18		4 min	56 sec.
Running High Jump	(R. F. Farrington, '05 (6 inches) G. A. Curtis, '04 (scratch) C. R. Burleigh, '06 (3 inches)				5' 71/2"
120-yard Hurdles		R. D. Emerson, '05 C. R. Haynes, '04	(4)		12	18 sec.
880-yard Run	I	R. P. Nichols, '05 (scratch) C. L. Wilson, '06 (scratch) H. H. Nelson, Jr., '05 (20 yards)			2 min.	15 sec.
Two-mile Run .	F	R. H. Bourke, '05 (40 yards) E. H. Lorenz, '05 (70 yards) E. B. Riley, '05 (scratch)	9:	0.00	o min.	34 sec.
220-yard Run .	Т	R. D. Emerson, '05 C. E. Jewett, '05 C. R. Haynes, '04				25 sec.
440-yard Run .	I	E. T. Steele, '05	26			58 sec.
Hammer Throw .		S. E. Lindsley, '05 I. S. Kendall, '04				103'
Pole Vault .		2. R. Burleigh, '06 (1½ feet) 3. A. Curtis, '04				10' 1"



TRIANCULAR MEET

Dartmouth, Brown and M.J. T.

TRACK EVENTS

Dartmouth .

M. I. T.

M. I. T.

Brown

5	100-yard Dash			
	G. K. Pattee W. B. Boggs T. P. Hubbard	Dartmouth . M. I. T. Dartmouth	574	. 10 2-5 sec.
SE	One-mile Run H. S. Baker F. L. Doughty R. W. Handy	M. I. T. Brown Brown		4 min. 43 1-5 sec.
440-yard Run	H. E. Smith G. K. Pattee W. P. R. Pember	Dartmouth Dartmouth M. I. T.	X-SS.	54 4-5 sec.
120-yard Hurdles	P. P. Edson R. D. Emerson R. L. Kruse	Dartmouth . M. I. T. M. I. T.	***	16 4-5 sec.
880-yard Run .	H. S. Baker L. R. Hill . Pierce	M. I. T. Dartmouth Brown	•	*2 min. 3 sec.
Two-mile Run .	F. L. Doughty C. A. Campbell R. W. Handy	Brown Dartmouth Brown	8	. 10 min. 35 sec.
220-yard Hurdles	P. P. Edson R. S. Edwards	Dartmouth Dartmouth M. I. T.	86	25 2-5 sec.
220-yard Dash .	H. E. Smith D. L. Jackson W. B. Boggs	Dartmouth Dartmouth M. I. T.	*5	22 I-5 sec.
	field	Events		

H. E. Smith

G. A. Curtis

H. Baetjer .

F. W. Greene

High Jump

^{*} New Tech Record

Hammer Throw .	G. W. Patterson H. B. Sandborn B. E. Lindsley	Dartmouth M. I. T.		3.	113′ 9″
Pole Vault .	G. A. Curtis G. W. Eastman D. C. Colesworthy F. Gannet	M. I. T. M. I. T. Dartmouth M. I. T.	22		10' 814"
Shot-put .	L. G. Morrill H. T. Winchester S. E. Newman	M. I. T. M. I. T. Dartmouth			*38′ 3″
Running Broad Jump	M. W. Bullock E. K. Smith H. E. Smith	Dartmouth . Brown Dartmouth	54		21′ 5″
Throwing Discus	H. T. Winchester Ehmke N. M. Place	M. I. T. Brown Dartmouth	32		108′ 4″
Two-mile Bicycle	A. A. Denico G. K. Terrien F B. Riley	Brown Dartmouth M. I. T.		5 mir	1. 44 sec.

∌ummary

Event			Tec.	Dar.	Bro.	Event	Tec.	Dar.	Bro.
100-yard Dash			3	6	0	High Jump	41/2	4	1/2
One-mile Run			5	0	4	Hammer Throw	I	8	0
440-yard Run	38		1	8	0	Pole Vault	81/2	11/2	01/2
120-yard Hurdles			4	5	0	Shot-put	8	1	0
880-yard Run			5	3	1	Running Broad Jump	0	6	3
Two-mile Run	90	1.5	0	3	6	Throwing Discus	5	1	3
220-yard Hurdles			1	8	0	Two-mile Bicycle	I	3	5
220-yard Dash	4		1	8	0				1/200
						Totals	48	641/2	221/2

Summary of the Den who Sained Points for Tech

Men		Po	ints '	Won	Men				Point	s Won
H. S. Baker	417			10	B. E. Lindsley	5.7	4.5	417		1
W. B. Boggs		15	16	4	F. Gannet					1/2
W. P. R. Pember		184	559	1	G. W. Eastman	97		43		3
R. D. Emerson				3	L. G. Morrill					5
R. L. Kruse			- 83	1	H. T. Winchester		- 8			8
R. S. Edwards				I	F. B. Riley					1
G. A. Curtis				9	9425000000000000000000000000000000000000					
H. Baetjer	977		4	1/2	Total	4.5				48

Annual Indoor Meet

Record Broken

Forty-yard Dash	J. R. Crowell, '04 C. R. Haynes, '04	j.		2	4.	100	4 4-5 sec.
	H. L. Williams, 'o6						
Potato Race	H. H. Needham '04				50		54 2-5 sec.
	E. L. Ovington, '04 H. S. Kendall, '04						
35-yard Low Hurdles			112		10	2	5 2-5 sec.
	E. L. Ovington, '04 G. A. Curtis, '04						
Shot-put .	L. G. Morrill, '05	4.			¥		. 38′ 2½″
	H. T. Winchester, '03				1		38' 11/2"
	G. A. Curtis, '04						. 34′ 4″
Running High Jump	G. A. Curtis, '04 .	4		7.			5' 71/2"
	R. D. Farrington, '05			- 20			. 5' 51/2"
	R. D. Emerson, '05		6	¥)	47.5	6	. 5' 51/2"
Pole Vault	G. A. Curtis, '04	1			2	VO	. *10' 3½"
	G. F. Clay, '06	4	12	X		4%	. 9′ 6″
	R. D. Farrington, '05				11	12	. 8′

Relay Race Won by Class of 1904

Team

J. R. CROWELL

A. W. BEE C. R. HAYNES H. S. KENDALL A. L. MAGNITSKY
W. A. EVANS H. M. FLINN D. K. KELLER C. LANG

H. H. NEEDHAM E. L. OVINGTON

Tufts vs. M. I. T.

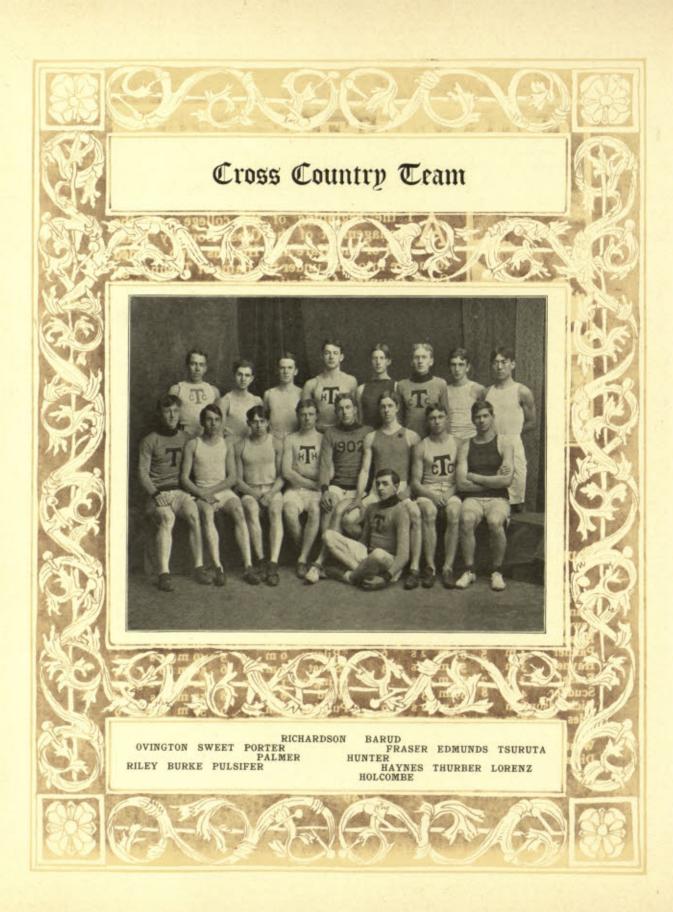
INDOOR DUEL MEET Won by M. I. T., 45-21

to Vard Dash				
40-Yard Dash .		1st. Williams, '06, M. I. T. 2d. Murphy, Tufts 3d. Van Amringe, '06, M. I. 4th. Lang, '04, M. I. T.		· 4 4-5 sec.
High Jump		1st. Emerson, '05, M. I. T. 2d. Curtis, '04, M. I. T. 3d. Nason, Tufts 4th. Farrington, '05, M. I. T.		5 ft. 7 1-2 in.
Shot-Put	3.0	1st. Morrill, '05, M. I. T. 2d. Kennard, Tufts 3d. Harkin, Tufts 4th. Lindsley, '05, M. I. T.		. 37 ft.
40-Yard Low Hurd	les .	1st. Murphy, Tufts 2d. Emerson, '05, M. I. T. 3d. Van Amringe, '06, M. I. 4th. Ovington, '04, M. I. T.	т.	. 5 1-5 sec.
Potato Race .	,	1st. Ovington, '04, M. I. T. 2d. Mass, Tufts 3d. Nason, Tufts 4th. Kendal, Tufts		. 52 4-5 sec.
Pole Vault		Tie (Mackie, '06, M. I. T.) Curtis, '04, M. I. T. 3d. Eastman, '04, M. I. T. 4th. Mullen, Tufts		. 10 ft. 3 in.

MILITARY RELAY RACE-Won by M. I. T.

Summary

				mint			
Events						Tech.	Tufts
40-Yard Dash			0.0			8	3
High Jump		- 1	4			9	2
Hurdles	100		100		2.5	6	5
Shot-Put				- 1	4	6	5
Pole Vault		1.4				10	1
Potato Race					4	6	1
	m.					_	_
	10	tals	1.75			45	21





A T the beginning of the college year the management of the Cross Country Team and of the Hare and Hounds Club decided to merge into one, under the name of Technology Cross Country Association, the purpose of this Association being to give the men who are out trying for the Cross Country team of the coming year a better chance for training. The runs of this year have been conducted more on the style of the Cross Country run than a Hare and Hounds chase.

Officers

F. H. HUNTER, '02 . President and Acting Captain

C. R. HAYNES, '04 . Secretary

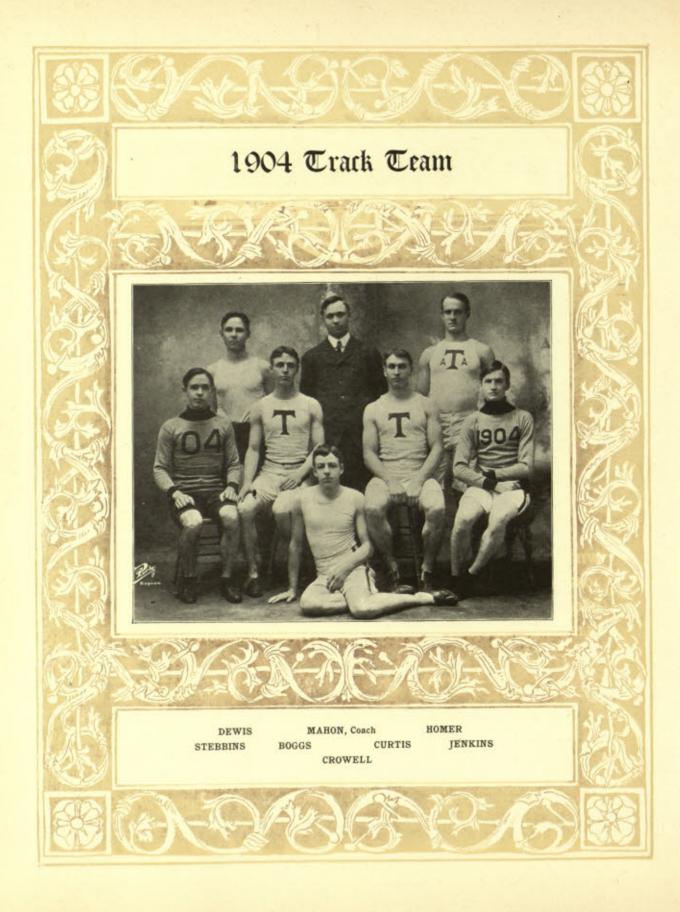
H. B. PULSIFER, '03 . . . Manager

G. P. PALMER, '04 . . . Chase Captain

Spring Pandicap Bace 1902 fall Pandicap Bace

									r	~~	,
Name	Handicap	Fin- ished	Elapsed Time	Time Order	Name	Handicap	Fin- ished				Time
*Ovingto	n 5 m	1	54 m 25 s	I	*Thurber	ı m	1	49 m	F2.0L		I
Hunter	6 m	2	55 m 57 s	2	Casev	4 m	2	52 m			6
Jewett	6 m	3	56 m 42 s	4	Baird	6 m	3	54 m		-	
Hammon	d 5 m	4	57 m 55 s	7	*Lorentz	ı m	4	49 m			3
Palmer	4 m	5	57 m 2 s	6	*Riley	o m	5	49 m	-		2
Haynes	3 m	6	56 m 21 s	3	*Sweet	o m	6	50 m			4
Fraser	3 m	7	56 m 45 s		Ovington	I I-2 m	7	51 m			
Scudder	4 m	8	59 m 33 s	5	Wald	6 m	8	57 m		2011	10
Richards	on6 m	9	63 m 2 s	9	Pulsifer	4 m	0	56 m	5	777	9
Edes	8 m	10	65 m 22 s	10	Hunter	2 I-2 m	-	54 m	-		7
					Porter	8 m		60 m	-		II
West Rox Distance.					Jewett	3 I-2 m		64 m		20016	12

(*Men receive right to wear cTc on cap and jersey)





Captain

JOSEPH WARREN CROWELL

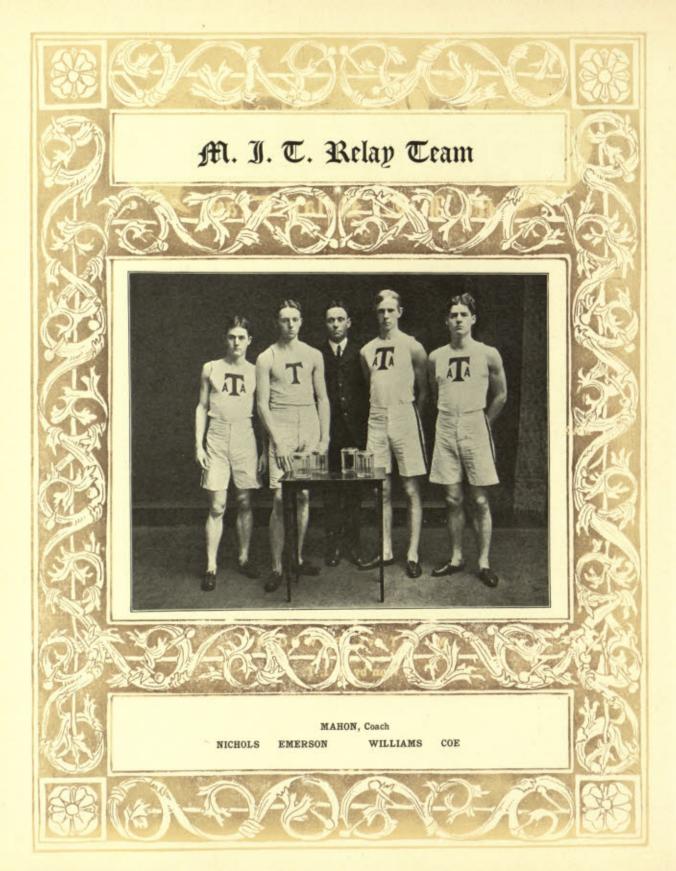
M. I. T. Coach

JOHN F. MAHON

Ceam

WILLIAM BRENTON BOGGS
JOSEPH WARREN CROWELL
GEORGE ALDEN CURTIS
CLIFFORD SAYRE DEWIS

GUY WARNER EASTMAN CHARLES LOWELL HOMER ERNEST FOSTER JENKINS CHARLES HENRY STEBBINS





Captain

RALPH DAMMARELL EMERSON

Ceam

MAXWELL ALANSON COE

RALPH DAMMARELL EMERSON

CHARLES ALBERT NICHOLS

JAMES RICE WILLIAMS

B. A. A. Games

M. I. T. vs. BOWDOIN

Won by M. I. T.



FRANCIS DEANE AVERY
HORACE SINGER BAKER
WILLIAM BRENTON BOGGS
GUY WARNER EASTMAN
ROBERT SEAVER EDWARDS
KENNETH CROTHERS GRANT
BEN EDWIN LINDSLEY
FRANCIS BRADFORD RILEY

HOWARD BAETJER
EDWARD SHERMAN BAKER
GEORGE ALDEN CURTIS
RALPH DAMMARELL EMERSON
FARLEY GANNET
ROBERT LOUIS KRUSE
LEON GILBERT MORRILL
HENRY THORNTON WINCHESTER



Technology Field Day

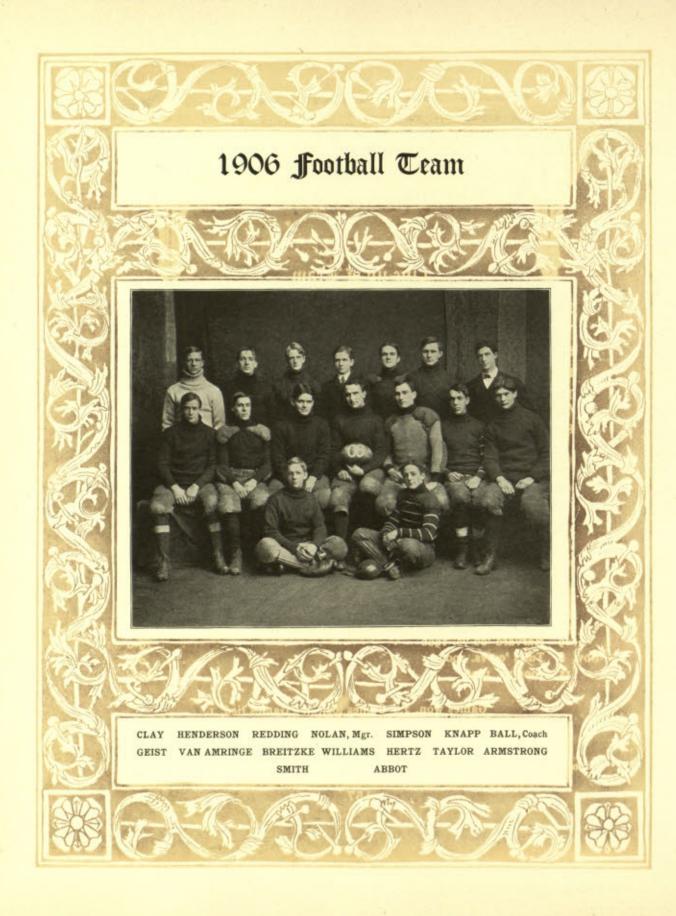
THE Field Day this year was characterized by good enthusiasm and clean, manly contests. Although the Sophomores had little trouble in winning the football game and relay race, yet the Freshmen were game to the finish, and never showed any signs of "quitting." The tug-of-war was a wonderful exhibition of pluck and endurance on the part of 1906, for after the Sophomores had pulled the marker on the rope within a few inches of the point which would give them the victory, the Freshmen braced and gradually pulled the Sophomores past their goal. A number of class songs and yells were composed by both classes for the occasion, and there really seemed to be some real college spirit called out by the occasion.

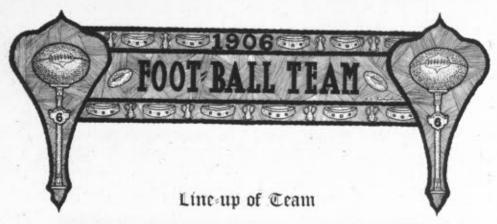
The Field Day has now come to be a regular feature of Tech life, and more interest is being taken in it each year. With the cup, which has been so generously donated by one of our Alumni to strive for, we look for still greater interest and enthusiasm in this event of the year in time to come.

Second Annual field Day

Charles River Park, Nov. 15, 1902

				1905	1906
Football Game	14	*	¥5	4	0
Tug of War			11.0	0	3
Relay Race	14		60	2	0
				6	3





REDDING, Right end
WILLIAMS, Right tackle
SIMPSON, Right guard
BREITZKE, Centre
TERRY
ARMSTRONG Left guard
HENDERSON, Left tackle

1906 A

TAYLOR Left end

CLAY Left end

ABBOT, Quarter-back

GEIST, Right half-back

VAN AMRINGE Left half-b.

KNAPP, Full-back

Coach, HARRY BALL

3

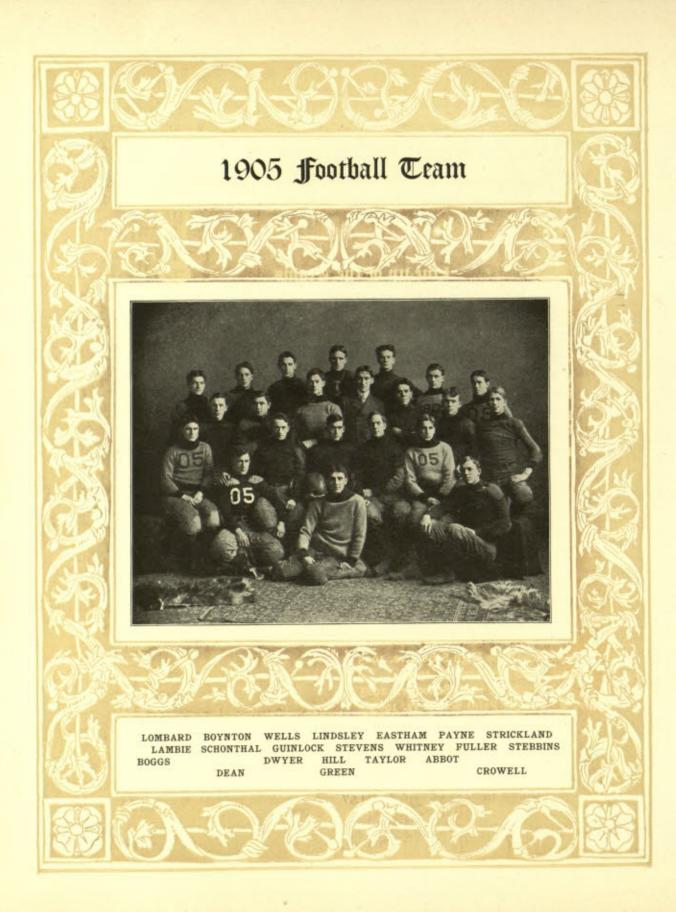
1906 Football Team Record

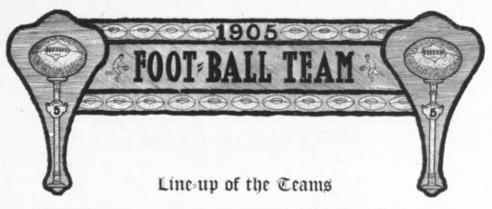
							Score
Oct. 14	Mechanics Arts High School	vs. 19	06			40	0-5
	Melrose High School vs. 1906	6.					0-5
25	Newton High School vs. 1906	5.		20	14		17-0
29	Harvard '06 vs. 1906 .		- 1		-	V 2	29-0
Nov. 8	Tufts '05 vs. 1906		100				0-0
15	1905 vs. 1906						18-0

Games won, 2. Games lost, 3. Games tied, 1.

Per cent won, 33 1-3

^{* 1906} played one-half with each of these teams





BLOUNT | Left end

LINDLEY GOUINLOCK Left tackle

WHITNEY | Left guard

PAYNE | Center

BOYNTON, Right guard

5

SCHONTHAL | Right tackle

BOGGS STRICKLAND Right end

*HILL, Quarter-back

CROWELL, Left half-back

TAYLOR | Full-back

 $\left. \begin{array}{c} FULLER\\ DEAN \end{array} \right\} Right\ half-back$

*Captain

Coaches

E. R. PERRY

L. B. SMITH

1905 Football Team Record

	AND AND RELIGIOUS AND AREA OF AN AREA OF A TOTAL AND A STATE OF A				Score
Oct. 14	Brookline High School vs. 1905				5- 0
18	Dean Academy vs. 1905	504	7.	20	44- 0
24	Brookline High School vs. 1905	100			5-11
Nov. 8	Powder Point School vs. 1905	3	2	2	0-53
15	1906 vs. 1905	ς,	2		0-18

Games won, 3 Games lost, 2
Per cent won, 60



1905 Relay Team

- 1 Jewett (Captain)
- 2 Fisher
- 3 Riley
- 4 Dickerman

- 5 Webster
- 6 Ingalls
- 7 Goldthwaite
- 8 Snow

- 9 Steele
- 10 Turner, L.
- 11 Nichols
- 12 Emerson, R.D.



Tug of War Team

- PageRathbone
- 3 Perry
- 4 Barlow
- 5 Bennett6 Nabstedt
- 7 Simpson
- 8 Barnes

- o Eaton
- 10 McLane
- 11 Turner, W. C.
- 12 Eaton, W. M.
- 13 Thomas
- 14 Curtis
- 15 Spaulding
- 16 Rogers

- 17 Motter
- 18 Fick
- 19 Ayers (Captain)
- 20 McManus
- 21 Morrill
- 22 Seaver
- 23 Prentiss
- 24 Abbot

Anchor, Paquet





1906 Relay Team

1 Howe

Guest Libbey

4 Clark

5 Kelley

6 Moffat

7 Williams

8 Mann (Captain)

9 Steele

10 Emerson, C. M.

II Coe

12 Wilson



Tug of War Team

Lawrence
Howes
Gibbons
Stewart
Coen
Ross
Tripp
Wright

9 Rausch 10 Simmons

II Spencer

12 Kane13 Soule

14 Knight

15 Fallon

16 Fletcher

17 Hammett

18 Stoddard

19 Hutchins

20 Hayes

21 Friend

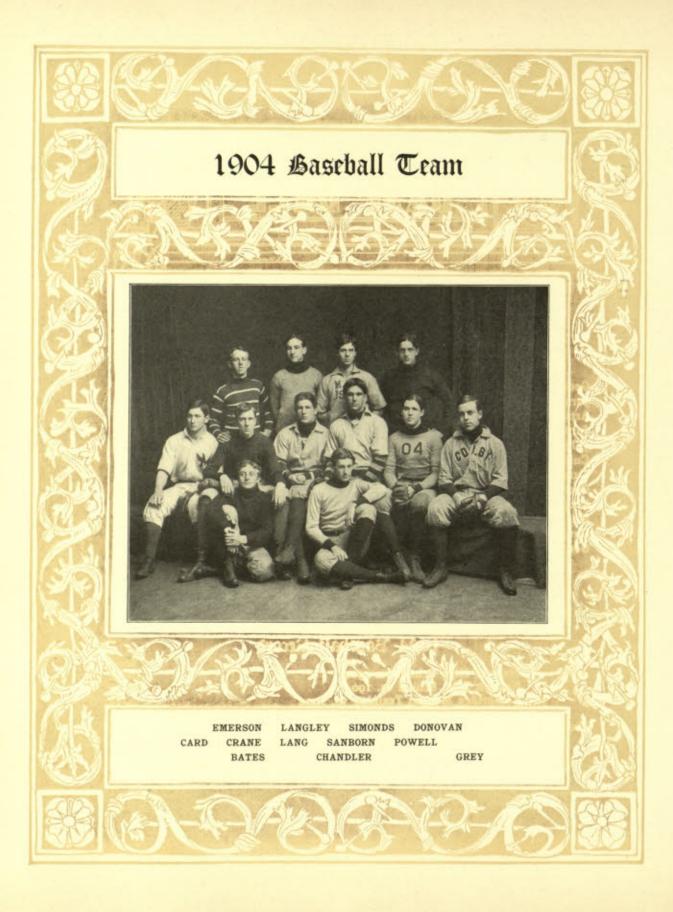
22 Polhemus

23 Hursch

24 Methesisieus (Captain)

Anchor, Moore

1906, TUE GIARI





1904 Baseball Team

Champions Sophomore Year

George Warren Sanborn					Pitcher
Jeremiah John Donovan					Pitcher
Arthur Hooper Langley					Catcher
James Garrison Metcalfe					First Base
John Ford Card		- 1			Second Base
Curtis Rockwell Grey .					Short Stop
Currier Lang				5.0	Third Base
George Martin Bates .					Left Field
Clark David Simonds .		4			Center Field
Harold Gilliland Crane					Center Field
Charles Joseph Emerson					Right Field
George Hardy Powell					Right Field

Substitutes

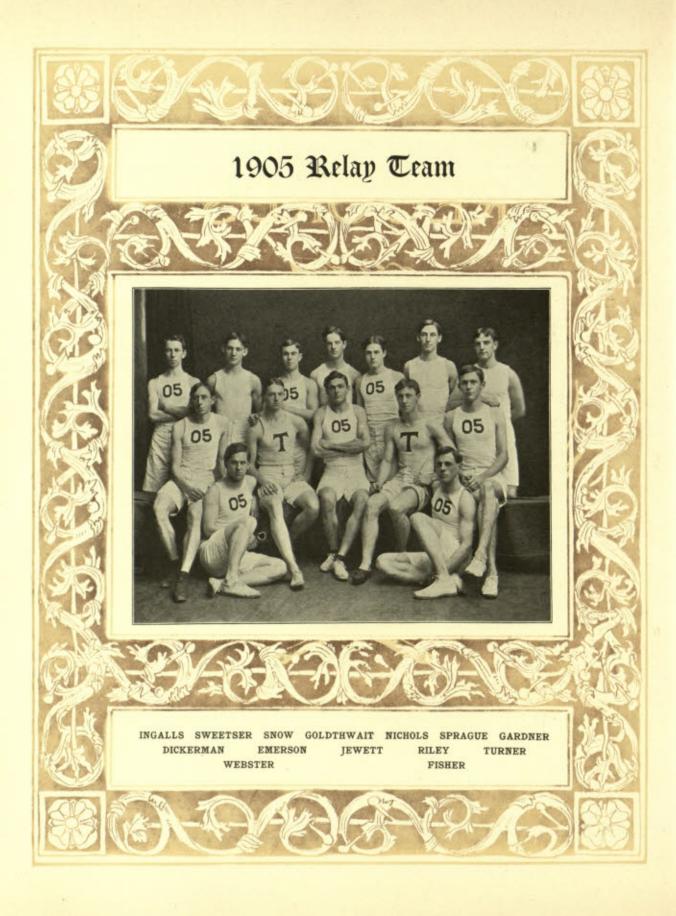
R. H. Rogers

D. B. Bary

1904 Baseball Record

											Score
April	5	Melrose High S	chool	VS.	1904					1.5	10-11
	12	Newton High So	chool	VS.	1904			4.0	100	ć×.	16- 6
	16	Cambridge Man	ual T	raini	ing vs.	1904			2		2-13
	23	Harvard "Anyth	nings"	vs.	1904				2		5- 4
May	3	1905 VS. 1904		6.				89		3.4	6- 7
	17	1905 VS. 1904						0.40	*5	100	17-19
		Games won 4					G	ames	lost 2		

Per cent won 67



RECORDS



Records

WORLD	N. E. I. A. A.	M I. T. A. A.
	100-Yard Dash	
9 3-5 sec.	IO sec.	10 2-5 sec.
A. Duffy, 1902	A. Austenius, Amherst, 1898	R. W. Carr, '95
	220-Yard Dash	
21 sec.	22 I-5 sec.	23 sec.
B. J. Wefers, 1897	H. H. Cloudman, Bowdoin, 1900	R. W. Carr, '95
	440-Yard Run	
47 sec.	50 I-5 sec.	51 1-5 sec.
M. W. Long, 1900	G. B. Shattuck, Amherst, 1891	J. A. Rockwell, '99
	880-Yard Run	
1 min. 53 2-5 sec.	1 min. 59 sec.	1 min. 59 sec.
C. H. Kilpatrick, 1895	H. S. Baker, M. I. T., 1902	H. S. Baker, '03
	One-Mile Run	
4 min. 15 3-5 sec.	4 min. 24 3-5 sec.	4 min. 37 4-5 sec.
T. P. Conneff, 1895	A. L. Wright, Brown, 1898	G. Clapp, '95
	Two-Mile Run	
9 min. 17 2-5 sec.	10 min. 3 4-5 sec.	10 min. 44 4-5 sec.
W. G. George, 1884	O. N. Bean, Brown, 1898	D. M. Pray, '99
	Two-Mile Bicycle	
4 min. 27 3-5 sec.	4 min. 36 4-5 sec.	4 min. 36 4-5 sec.
J. G. Heil, 1897	R. Murray, M. I. T., 1900	R. Murray, '01
	120-Yard High Hurdle	
15 1-5 sec.	15 3-5 sec.	16 3-5 sec.
A. C. Kraenzlein, 1898	S. Chase, Dartmouth, 1895	B. Hurd, Jr., '96
	220-Yard Low Hurdle	
23 3-5 sec.	25 4-5 sec.	25 4-5 sec.
A. C. Kraenzlein, 1898	G. P. Burch, M. I. T., 1898	G. P. Burch, '99

	Running Broad Jump	
24 ft. 4 1-2 in. A. C. Kraenzlein, 1899	22 ft. 5 1-2 in. H. H. Cloudman, Bowdoin, 1900	22 ft. 1 1-2 in. A. W. Grosvenor, '99
	Running High Jump	
6 ft. 5 5-8 in.	5 ft. 9 3-4 in.	6 ft. 1-2 in.
M. F. Sweeney, 1895	I. K. Baxter, Trinity, 1896	C. D. Heywood, '93
	Putting Shot (16 1bs)	
47 ft.	43 ft.	40 ft. 1-4 in.
G. R. Gray, 1893	Rollins, Amherst, 1902	H. P. McDonald, 'or
T	hrowing Hammer (16 11	b s)
173 ft. 6 in.	134 ft. 2 1-2 in.	107 ft. 10 1-2 in.
J. Flanigan, 1902	Denning, Bowdoin, 1902	H. W. Jones, '98
	Discus Throw	
122 ft. 5-8 in.	116 ft.	109 ft. 4 in.
R. Sheldon, 1899	A. M. Watson, U. of Maine	H. T. Winchester, '03

J.

Special Events of the M. J. C. A. A.

	~ [2	3, -	 		
Event				Winners		Time.	Height or Distance	e
20-Yard Dash	34	*		T. W. Lord, '94			3 sec.	
35-Yard Dash	S.	-		A. W. Grosvenor, '9	9	12	4 sec.	
Potato Race				J. A. Rockwell, Jr.,	'96		50 1-5 sec.	
35-Yard Low H	lurdle			J. W. Horr, '02			4 3-5 sec.	
Standing Broad	Jump			L. Burnett, '96		10	ft. 1 1-2 in.	
Fence Vault				A. H. Greene, '96			ft. 2 1-4 in.	
Indoor Pole Va	ult			G. A. Curtis, '02			10 ft. 6 in.	
Relay Race (15	60 yard	ls)	. (M. W. Hall, 'oo H. M. McMaster, 'oo R. P. Priest, 'oo W. W. Garrett, 'oı)	3 min.	14 2-5 sec.	
Relay Race (14	o yards)	. (F. D. Avery, '02 K. C. Grant, '02 N. E. Borden, '02 R. V. Brown, '02)		15 4-5 sec.	



Officers

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President

ROSCOE PAINE, Bowdoin Vice-President

ARTHUR U. POPE, Brown University Secretary and Treasurer

Members of the Association

Amherst College Bates College

Brown University

Colby College

Wesleyan University

Dartmouth College Technology Trinity College Tufts College

University of Vermont

Williams College

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Third Annual Tournament of the New England Intercollegiate Lawn Tennis Association

LONGWOOD, MAY 30, 1902

Singles—Won by F. BRADLEY, M. I. T. Doubles—Won by PLIMPTON and COLLESTER, Amherst

Technology Representatives

Singles—F. Bradley, '02 Doubles—E. H. Cutler, '02, D. M. Belcher, '02



THE Technology Tennis Association was organized in 1895, and since that time has grown in importance until in this year it was recognized by the Advisory Council on Athletics by awarding the old football T to the winners in the N. E. I. T. A.

Officers

R. A. JONES, '03 President A. H. LANGLEY, '04 Vice-President

R. HAZELTINE, '04 Secretary and Treasurer

Representatives to New England Intercollegiate Tournament in 1903

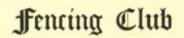
J. R. JONES, '03

A. H. LANGLEY, '04

fall Cournament

Singles —J. R. Jones defeated H. A. Langley 6-4, 1-6, 6-4, 0-6, 6-4

Doubles —Jones & Langley defeated Winchester & Marsh 6-1, 8-6, 6-1



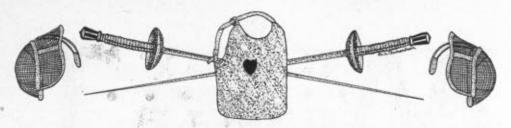


GODDARD

F. LAGE

HUBBEL

LEH FUENTES G. LAGE



FEACING CLUB

Captain HAROLD M. LEH

Manager RICHARD O. MARSH

Members

CAMPOS A. FUENTES ERNEST HARRAH FREDERICO LAGE GEORGE LAGE HAROLD M. LEH RICHARD O. MARSH

LeBARON TURNER

Contests

Boston Y. M. C. A. vs. M. I. T. F. C. 5-4 Harvard vs. M. I. T. F. C. 8-1



THIS year Tech started out in a branch of sports into which she has hitherto never ventured, and has put a team in the field which, although they played but one game, bade fair to be a winning team. It is to be hoped that this start will be fostered until the Golf Association will put out a team that will successfully cope with some of the large colleges.

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W. M. VAN AMRINGE, '06

F. H. HUBBEL, '06

Captain *F. A. FALVEY, '05

Honorary Wembers

Pres. HENRY SMITH PRITCHETT

Prof. F. H. BAILEY

Prof. H. E. CLIFFORD

Prof. D. R. DEWEY

Team

F. A. Falvey, '05 R. B. Williams, '03

W. M. Van Amringe, '06 H. A. Stiles, '06

S. P. Emery, '06 J. G. Metcalfe, '04 B. Poole, '06

F. H. Hubbel, '06 T. M. Gilmer, '04 L. G. Bouscaren, Jr.,'04

H. S. Wilkins, 'o6

^{*} Deceased.

A Pear's Changes at the Institute



FIND MANY CHANGES AT THE INSTITUTE. THESE HAVE BEEN SO RADICAL IN THEIR EFFECT ON THE AFFAIRS OF TECHNOLOGY, ON THE CHARACTER OF THE COURSES AND ON THE STANDING OF THE STUDENTS AT LARGE, AS TO MERIT MORE THAN PASSING NOTICE IN THIS VOLUME OF TECHNIQUE. Accordingly, the board decided that an article discussing these changes and commenting on them from the point of view of an undergraduate would not be out of place here.

The total number of men attending the Institute in the year 1901-1902, was fourteen hundred and fifteen. This number has increased in a single year to sixteen hundred and eight, showing a gain of almost two hundred men. The total number who registered last fall for the first time was considerably over five hundred, of whom four hundred and seventy-

nine were Freshmen, and the others mainly graduates or undergraduates of other colleges. These figures place the Institute first in the list of American schools of technology.

Passing from the increase in the student body itself, we come to the changes in the administration which were made at the beginning of the first term of this year. Change there was, as every undergraduate has had reason to discover. Strolling through the corridors of Rogers building, as some of us are wont to do at times, one no longer sees the simple inscriptions of "President" on the door at the left and "Secretary" on the door at the right, but on both right and left over the many doorways are posted large placards bearing symbols, such as Recorder, Registrar, Bursar, President's Secretary, Dean, and if one is perseverant and continues on his way through many small entrances, passing clerks and typewriters, he may still recognize over a doorway in a secluded portion of the hall that old

sign, "Secretary." Ask the reason of these changes from the keeper of the "cage" and this is what you will learn: In years preceding, the Secretary of the Faculty, Prof. Harry W. Tyler, beside having to attend to his duties as Secretary, had charge of the entire system of recording, registration, and of the consultation with students. The pressure of all this work on one man was enormous, and accordingly this year the offices of Recorder and Registrar were created, and given respectively to Mr. O. F. Wells and Mr. Walter Humphreys,



LOWELL BUILDING

while Doctor Tyler was relieved of all duties except those of Secretary to the Faculty, and was made head of the Mathematical department. The work of consultation with students is now done by the Dean, and this allimportant office, to the delight of everyone connected with the Institute, was given to Prof. Alfred E. Burton, whose tact and ability in dealing with men has long made him beloved by all the stu-

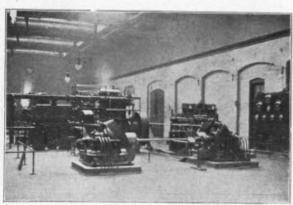
dents, and to whom this volume of Technique is humbly dedicated. Another important change which was decided on this year, and which will not come into effect, however, until next fall, is the raising of the requirements for admission, and the increasing of the tuition fee to two hundred and fifty dollars. The first of these steps was taken with the idea of excluding men who are mentally or physically too weak to pursue the rather difficult courses which the Institute offers. The second will appear reasonable on consideration of the fact that Technology is not heavily endowed, and that each year the actual running expenses per student amount to more than three hundred and fifty dollars.

In the Faculty, we find that the passing year has wrought several changes. During the summer vacation, Doctor Runkle, that most excellent and venerable professor and ex-president of the Institute, passed away at his summer home. It is not for us to remind the undergraduate body that in the death of Doctor Runkle they lost the most genuine, the most open-hearted of friends. All those who knew Doctor Runkle are sufficiently aware of that fact. We will but say that few men have departed this life as much revered and loved by those beneath them as Doctor Runkle by the students of Technology.

Another great loss to the Institute was the resignation of Professor Niles. For thirty-one years he had been a professor of geology, and his smiling, benevolent face was always a welcome

and a cheering sight. Professor Niles has been made Professor Emeritus, and spends much of his time in lectures and conferences in different cities throughout the country.

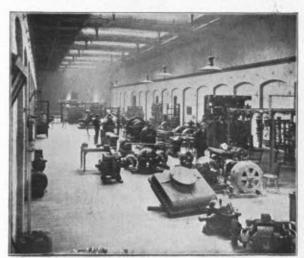
The most important alteration in the courses has been the separation of the course in physics from the course in electrical engineering. Lecture rooms and laboratories have been prepared



WESTINGHOUSE ENGINES AND DYNAMOES

for the latter in the new Lowell building, to which we will have occasion to refer later on. Dr. Louis Duncan has been called from New York, where he was stationed, to act as its head. Doctor Duncan graduated from the United States Naval Academy at Annapolis in 1880, and for six years remained in the service of the government. In 1886 he resigned from the navy to begin a course in applied electricity at Johns Hopkins, and while engaged in teaching there, undertook a great deal of outside engineering work, such as the building of large power and lighting plants, transmission and telephone systems. Doctor Duncan, therefore, not only comes to the Institute with the reputation of being one of the best professors of electricity in the country, but he comes with the distinction of being a practical business man and a successful electrical engineer; and this is the reason why he inspires such absolute confidence and trust in all those who are so fortunate as to come in contact with him. Doctor Duncan at present is consulting engineer for the New York Rapid Transit Company. He has twice been president of the American Institute of Electrical Engineers, and is a member of many scientific societies throughout the country.

Early in the year 1902 the Faculty realized, from reports of preliminary examinations, that unless some radical step be taken im-



ELECTRICAL LABORATORY, LOWELL BUILDING

mediately, the Institute would not be able to accommodate the great number of students expected in the fall. Accordingly it was decided to build on the present site of the Lowell building, a structure, which, though temporary, and only intended to satisfy an immediate want, would still be substantial and spacious enough to accommodate the electrical laboratories and lecture rooms, together with many recitation rooms

for the use of classes in mathematics, chemistry, and the languages. The result was, as Professor Clifford expresses it, a structure "whose top view is a diffraction grating, and whose side elevation is a cross-cut saw." A glance at the illustrations will convince one of the truth of this statement. It is said that Professor Despradelle and the fourth-year architects, who from their drawingroom command a capital view of that remarkable building, are seized with violent spasms whenever they look out of the windows on the east side of the room.

The story of the erection of the Lowell building is too interesting to be passed over. The time between the signing of the contract and the completion of the building was two months and a half, of which only sixty days were working days. Excavations were begun on the 30th of June. On July 1st the foundations were commenced. On July 11th the floor was being laid, and on September 15th the building was ready to be furnished. The interior is fitted up simply and effectively; the electrical laboratory is thoroughly equipped with

modern electrical machines, and furnished with tracks overhead for a travelling crane for transporting heavy pieces of machinery to and fro. The lecture room is also a model one. The lecturers' desks are mounted on tracks leading to preparation rooms on either side. At the end of one lecture, the desk used is rolled into a room to the right

where it is unloaded of apparatus; in themeantime the desk for the next lecture is rolled out from the left, all prepared beforehand, thus saving much time. The Lowell building, with all its new equipments, will enter largely into the graduate school of engineering research, which is to be established next year.

We have briefly considered the changes of the past year in the



LECTURE ROOM, LOWELL BUILDING

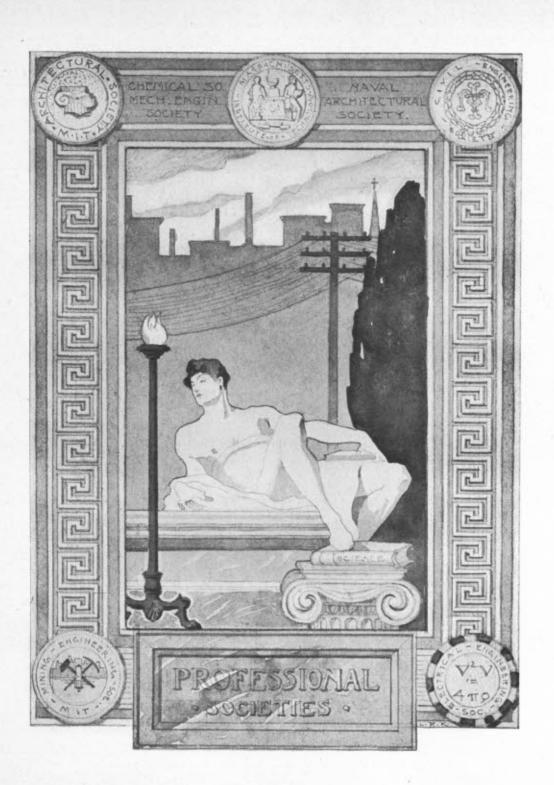
Faculty, the courses of study, and the administration of Institute affairs. During the year, however, there has been a change far more important far more effective than any of which we have mentioned. We refer to a change which has taken place, and is still taking place, in the character, in the mode of living, in the point of view of the average Tech undergraduate something which Doctor Pritchett has been trying to bring about ever since the first days of his administration, and the signs of which have come out strongly for the first time this year. Tech is known pretty generally throughout the country as a place of grind; and in the sense that it is a place of hard and steady work, it is a grind. But its reputation is even worse than this. A great many people imagine that when a man enters Tech, with the intention of graduating, he must form a resolution to abandon all idea of sociability and amusement; that he must read over the grim doorways of the Institute buildings: "Abandon ye all the human nature ye ever had, who enter here," "Become a steam engine as soon as possible, or get out." It is toward the elimination of this feeling that the change spoken of is showing itself. The

Technology Chambers and the Tech Union have done much to establish a closer bond of sociability among the students of the Institute. The grind is gradually coming out of his shell and discovering that good scholarship and good fellowship are perfectly compatible. He is learning that the faculty of making friends will be worth far more to him in future life than a little extra knowledge in the theory of least squares.

Now that we have rightly finished what was to be said of the changes at the Institute, let us mention in conclusion just one all-important matter. In a recent address of Doctor Pritchett to the Junior class, the President has suggested the possibility of establishing the honor system in examinations. We believe that such a step would not only meet the full approval and co-operation of all the classes, but that it would increase remarkably the public confidence, great as it now is in the character and integrity of the Technology graduate. It would form a new epoch in the history of the Institute. Let it be the privilege of the class of 1904, in their senior year, to see the honor system at Technology firmly established.



DURING CONSTRUCTION OF LOWELL BUILDING







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C. A. Whittemore

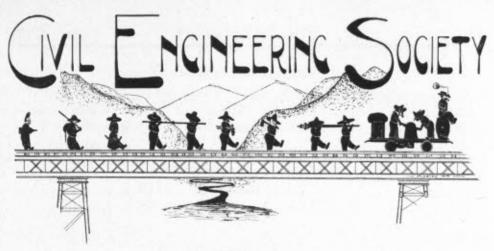
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G. N. Wheat

O. M. Wiard

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1903

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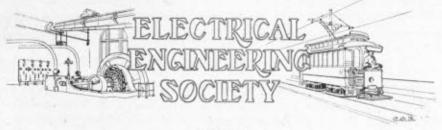
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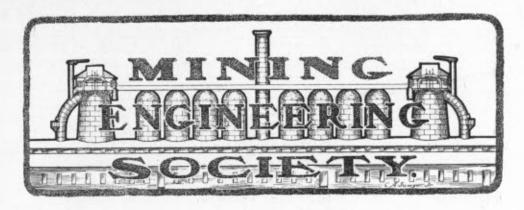
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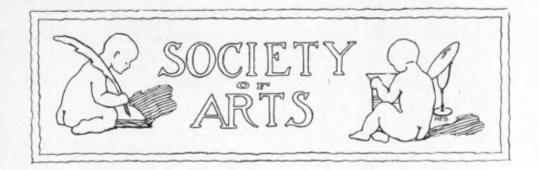
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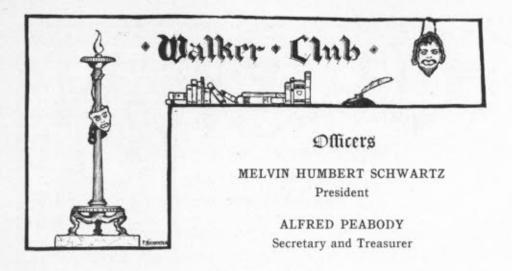
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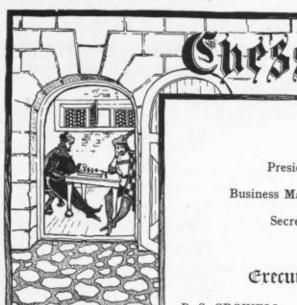
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The Tech Union

HE NEED OF A SUITABLE PLACE WHERE THE STUDENTS OF THE INSTITUTE CAN MEET, AND ONE WHICH THEY CAN USE FOR ALL PURPOSES AND AT ALL TIMES, HAS LONG BEEN FELT. UP TO THE PRESENT TIME THE TECHNOLOGY CLUB AND THE GYMNASIUM HAVE BEEN USED ON OCCASIONS, BUT BOTH of these places have been found to be entirely inadequate to the demands made upon them. In consequence of this and of the necessary delay in the building of the Walker Memorial Gymnasium, Doctor Pritchett has utilized, in a most excellent way, the rooms over the Mechanical Laboratories (commonly known as the shops). These rooms he has set aside for the exclusive use of the students for student gatherings of all kinds; and considering its purpose to bring the men into closer touch with each other, the best

name for the rooms seemed to be the Tech Union. Minute descriptions, at best, are tiresome, perhaps because they bring back the memories of our Freshman days when we described the scene out the window for a one-page theme; but it seems only right to enter somewhat into details in describing the place where many pleasant memories of our college days linger, and where many of us have formed and strengthened friendships that will last the rest of our lives.

The Tech Union is made up of one large room, one small one, a kitchen, coat-room, and toilet. The two main rooms are provided with high-back benches which, built into the wainscoting, run around a considerable portion of the wall, thus providing comfortable as

well as well-appearing lounging places. Above this wainscoting and on the sides of the room where it does not run, the wall is covered with a neat burlap of red in the large, and green in the small room. Curtains of the same material to match add much to the appearance of the rooms. The woodwork, except the wainscoting which has been stained, is painted white, giving a light ceiling in pleasant contrast to the darker color of the walls. A large number of chairs, as well as several tables, have been provided for use at dinners, lectures, and the like, while a piano stands ready to help in making merry with songs and other music. Light is obtained in the day time through large sky-lights and windows, and at night a large number of well-distributed Welsbach's give ample illumination. The get-up of both rooms is so simple, and yet so tasteful and pleasing, that they have already attracted a large number of the students, and are attracting more every day.

The kitchen and coat-room may perhaps be said to form a part of the large room, though they have been separated by very adequate partitions. The kitchen has been fitted up with all the modern appliances for cooking, including a cooking range of large dimensions, cooking utensils, dishes, and so forth in large quantities. Especial pains has been taken to make this feature of the Union as complete and yet as simple as possible, and those who have partaken of the dinners and suppers served there can testify concerning its efficiency. A capable man has been engaged to preside over the culinary department and to take charge of the meals served.

Of the remaining rooms little is left to be said except that, like the rest, they have been fitted up with the greatest possible simplicity, but with great completeness and this has most certainly been obtained.

The Union was formally opened on Saturday night, December sixth, when the President of the Institute and members of the Advisory Council on Athletics met the participants of the Field Day at dinner there. Since that time the Union has been growing tremendously in popularity, and the general dinners which are served there every Saturday night have been well attended by an enthusiastic crowd. The many societies of the Institute as well as the classes have found in the Union an excellent place to hold their dinners, smokers and meetings. Outside of the set occasions for special objects, we find the fellows dropping in at all hours to spend a pleasant hour or so in the afternoon with the men who are following the same path that they are. This is perhaps the most important feature of the Union, that the men learn to know and feel some interest in the other members of their class or college, and thus form what is more important than what has been bluntly called "book learning," and that is firm friendships and an intimate knowledge of men. If the Union succeeds in this, and there seems to be no doubt that it will, it will be the point around which Technology student life will take a turn for the better, and will form the basis of a true college spirit which eventually will equal the spirit shown at any other college in the country.

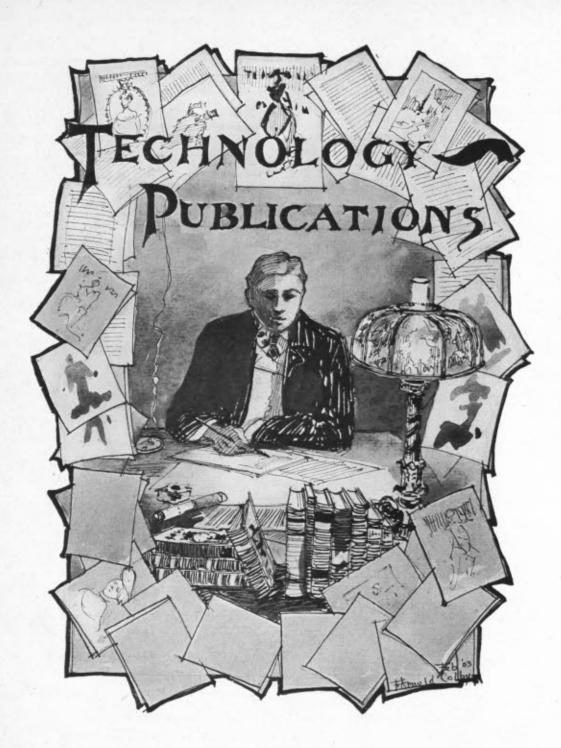


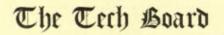
A Close Call for the Faculty



ONCE was burning the mid-night oil,
With a difficult problem to do;
And I cursed the pen, and the paper, and ink,
And I cursed the Faculty, too.

I prayed for the power, and longed, my dear,
To seize this miserable earth,
To hurl it at once to the place that boasts
Neither coldness, nor comfort, nor mirth.
I'd vowed to do all this—when low!
A vision of you I met.
So the world is moving still, sweetheart,
And the Faculty's faculting yet.







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The weekly paper published by the undergraduates

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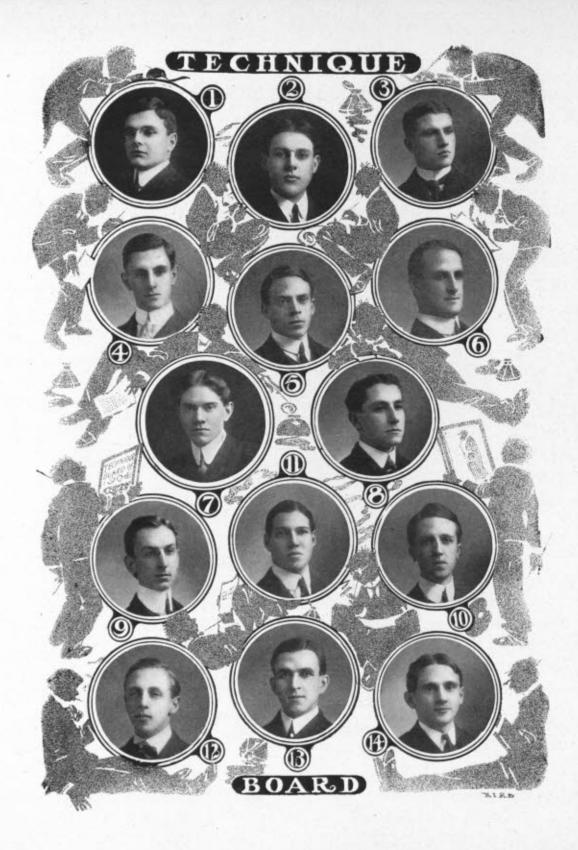
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The College Annual published by the Junior Class

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NOTE: The numbers refer to the photographs on opposite page



THE TECHNOLOGY QUARTERLY was founded in 1887 by undergraduates.

After two years' publication the editing was taken in charge by a Faculty committee. The Quarterly is the medium in which the original researches and scientific acheivements of members of the Massachusetts Institute of Technology and graduates are published. Since 1892 the proceedings of the Society of Arts have been published in it and the board of editors elected by that body.

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THE TECHNOLOGY REVIEW is published by the Association of Class Secretaries. Its articles pertain mainly to Institute affairs, both graduate and under-graduate. It reports the actions of the Corporation, the Faculty, the Alumni Association, the under-graduates and the social organizations of the Institute. The occupations and activities of the graduates are most carefully collected and published by the Secretaries of the various classes. Besides the articles connected with the Institute, subjects are treated pertaining to educational advance. With its object of the promotion and advancement of the Massachusetts Institute of Technology, its influence is felt and its success assured.

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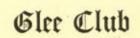
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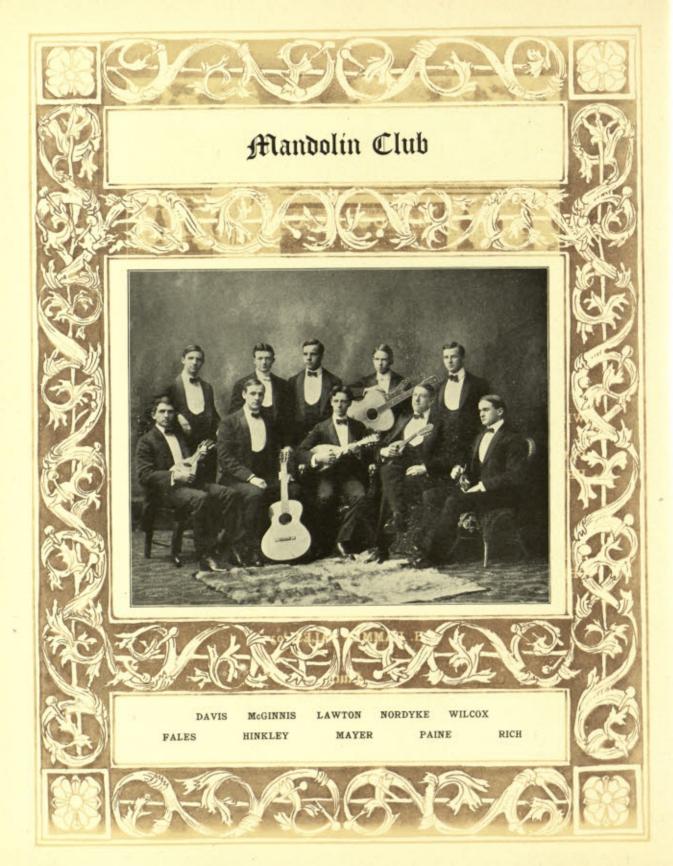
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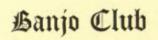
Mandola

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Flute

EDWARD DeWOLFE PERRY, '05

217







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JONES

GODDARD SWEETSER GILSON JACKSON McGINNIS BATCHELDER SUTHERLAND



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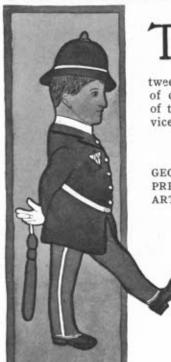
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BAKER

SMITH

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HE INSTITUTE COMMITTEE is composed of the presidents and two representatives from each class, the representatives being elected by popular ballot. Its office is to serve as a medium between the Faculty and under-graduates upon all matters of consequence arising between them. The presidents of the Senior and Junior classes serve as president and vice-president respectively of the Institute Committee.

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1003

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1904

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Frank Milton Carhart

1006

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1903 1904

Alfred E. Burton, Dean

223

SUB-INSTITUTE COMMITTEE



1903,1904, 1905,1906 POR the last two years it has been customary for the president of each class at the beginning of the year to appoint a committee of ten men, representing the various courses, to act with the Institute Committee in serving as a medium between the Faculty and the students.

1903

- 1	1.1274.251.2571.DH9001	TANKS OF THE PROPERTY OF THE PARTY OF THE PA
1	H. S. Baker	VI A. S. Gibbs
II	G. W. Swett	X F. A. Olmsted
Ш	A. Healy	XI C. P. Nibecker
IV	L. R. Kaufman	XII G. F. Loughlin
V	W. H. Whitcomb	XIII H. Crosby

1904

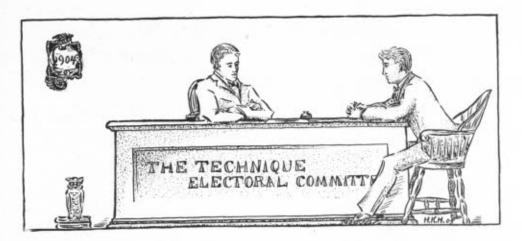
I	Currier Lang		VI C. B. Williams
II	T. C. Baker		VIII H. T. Kalmus
III	W. B. Boggs	344	IX D. K. Keller
IV	A. W. Richards		X A. C. Willard
v	A. C. Downes		XIII G. H. Powell

1 9 0 5

I	H. L. Whitney	VI A. E. Freeman
II	R. W. Morse	VII VIII H. A. Wentworth
III	J. F. Dickie	IX X P. S. Crowell
IV	R. D. Emerson	XI A. O. True
v	G. E. Dunham	XII XIII V. H. Paquet

1906

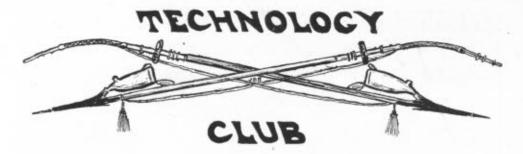
John G. Barry	Bruce R. Honeyman
Rutherford Bingham	Clarence H. Sutherland
Stuart E. Coey	Herbert J. Mann
Harold S. Graham	Percy E. Tillson
Alfred W Geist, Jr.	Louis H. Tripp



THE TECHNIQUE ELECTORAL COMMITTEE consists of twenty-five men elected by the Sophomore class from its own members. This Committee is elected toward the end of the year, and it immediately begins to hold its meetings for the purpose of selecting the Board of Editors of Technique, this plan of double election being intended to insure fairness and good judgment in choosing the Board of Editors. The committee elects three associate editors, a society editor, an athletic editor, two statisticians, and three business managers. The artistic staff is chosen by outside judges, appointed by the committee, from a competition open to all members of the class. After this is done the committee disbands, the new board elects its own editor-in-chief and chief business manager, and begins its work at once.

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	R. A. WENTWORTH	Secreta	ary
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I. F. Card	W. E. Hadley	C. Lang	A. J. Sweet, Jr.
1.5	R A Wenty	vorth	



THE object of this club is to promote the welfare of the Institute and the common social interests of its past and present officers and students. The Club house is at No. 83 Newbury street, nearly opposite the Rogers building, and its membership is at present over six hundred, including graduates and other former students, members of the Corporation and of the instructing staff, and a limited number of under-graduates.

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THE CO-OPERATIVE SOCIETY has for its object the furnishing of financial aid to students in need of such. The scholarship fund for this purpose is obtained by the sale of membership tickets and by the profits on books and drawing instruments sold in the supply rooms. Since organization, the Society has distributed in scholarships seven thousand eight hundred and twelve (\$7,812) dollars, and has assisted fifty-nine students to complete their courses at the Institute, the students thus aided now occupying responsible positions in engineering and educational work.

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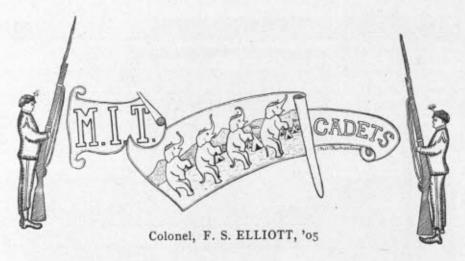
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,32

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 3 Head Place, Boston, Mass.
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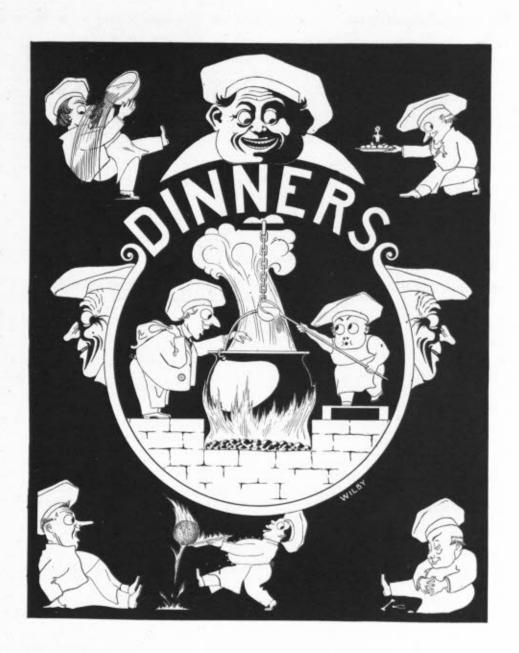
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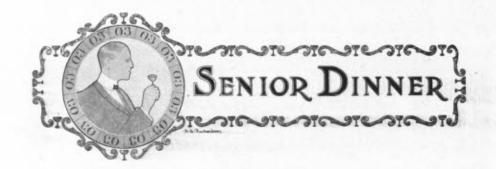
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- Secretary of Alumni Association Mr. ARTHUR G. ROBBINS
 Massachusetts Institute of Technology, Boston, Mass.





Coastmaster WALTER MAYNARD DRURY

"Move on, O ship of state"	¥			4.	PAUL REVERE PARKER
"As unto the string the bow is So unto man is woman"					. RENAND LAGE
"Should old acquaintance be for And never brought to mind"	-	8			BENJAMIN NIELDS, Jr.
"All work and no play Makes Jack a dull boy" .	."	4	×	¥	WILLIAM B. FERGUSON, Jr.
"My fancies like the flames aspi	re,				
I see my future in the fire, And, oh! it's simply grate"					. R. R. NEWMAN

Held at Hotel Lenox, March 18, 1903



Coastmaster

L. G. BOUSCAREN, Jr.

30

YALE	3	*		*	10	+ 2	100	10		N. L. SNOW
U. S. NAVAL ACAD	EMY			ű,	44	€:		100	15	L. B. McBRIDE
				M	u s i	с				
THE FACULTY	82	Ç		4	16	10	245	53	(1)	C. B. WILLIAMS
TECHNIQUE 1904	12		8		27					W. E. HADLEY
				М	usi	c				

Held at the Union, March 5, 1903

On December 12, 1902, a Class Dinner was held at the Union at which H. V. Doherty was toastmaster



Coastmaster

S. T. STRICKLAND

R. N. TURNER
ANCIENT HISTORY

Music

CLASS EMBLEMS

W. D. B. MOTTER

W. GREEN

Music

R. H. W. LORD

Held at The Union, February 18, 1903

On December 31, 1902, there was another dinner held at the Union at which R. H. W. Lord was toastmaster



Coastmaster

U. J. NICHOLAS

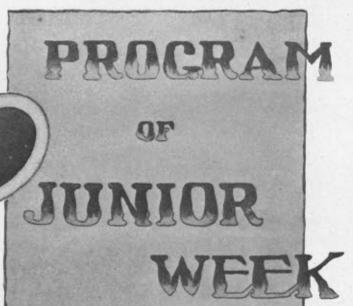
THE CLASS	14	9	ŧ.	1	6				8	C. F. WETTERER
					М	usi	С			
DRILL .	14		4.	3:	90	40	-	100	1.0	R. C. THAYER
ATHLETICS		45	65.			2	2.5		1255	J. W. WILLIAMS, Jr.
					M	usio				
FUTURE OF	1906		81	5			5%		15	E. M. SMITH

Held at Tech Union, April 27th, 1902



Society vs. Tech.

JON EIEK



Tuesday After'n, April 28
Tech Show, Dress Rehearsal
at Hollis Street Theatre

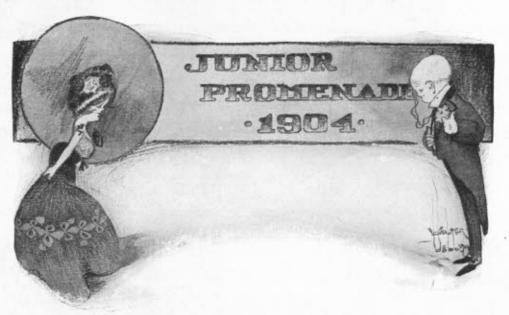
Wednesday Ev'g, April 29 Musical Clubs' Spring Concert and Dance at New Century Hall

Thursday Afte'n, April 30
TECHNIQUE, Volume XVIII,
issued. The Tech Tea at
the Tech Office

Thursday Eve g, April 30
Junior Promenade at the Hotel Tuileries

Friday Afternoon, May I The Tech Show at the Hollis Street Theatre

Saturday After'n, May 2 Dual Athletic Meet with Tufts



Hotel Tuileries, Thursday Evening, April 30, 1903

Committee

GEORGE HARDY POWELL, Chairman

Louis Gustave Bouscaren, Jr. Charles Rogerson Haynes

Everett Osgood Hiller Charles Lowell Homer

Matrons

Mrs. Henry S. Pritchett

Mrs. Samuel J. Mixter Mrs. William T. Sedgwick Mrs. J. William Smith Mrs. Clipston Sturgis





Fifth Annual Tech Show

Merton Leslie Emerson, '04, General Manager
William Walter Cronin, '04
William Walter Cronin, '04 Reginald Andrew Wentworth, '04 Business Manager
Asst. Business Manager Asst. Business Manager George Carlyle Thomas, '05 Attwood Eugene Rippey, '05, Press Representative

Stage Manager Asst. Stage Manager

THE TECH * SHOW *

"A Scientific King"

Nineteen Hundren & Three

AN ORIGINAL COMIC OPERA IN TWO ACTS

LIBRETTO by G. F. LOUGHLIN, '03 MUSIC by W. J. BAY '03, F. S. FARRELL '04, G. F. LOUGHLIN '03, L. C. WHIPPLE '04

Siven at the hollis Street Theatre on the Afternoons of April 28th and Map 1st

. . THE CAST . . KING ALBITE (A would-be scientific king, ruler of the Island of Metasilicatia) JOSEPH DANIELS '05 FREDERICK LYLE HIGGINS PRINCE PHYLLITE (his son) 103 105 ROSWELL DAVIS WILLEMITE (his secretary) PRINCESS BERYLE (his niece) ROBERT JOSHUA KING 103 PRINCESS MARGARITE (Phyllite's betrothed) . THOS. WINTHROP ESTABROOK '05 JAMES PHILLIPS BARNES 05 TOPAZ (Robber Chief) PSILOMELANE (his Lieutenants) ARTHUR HOOPER LANGLEY 04 WILLIAM JAMES SNEERINGER '05 FERNANDO MORENO BLOUNT '05 PEDRO (an Inn-keeper) EDWARD MAY COFFIN OLO SUMPKINS (a host) '05 HARRY WALKER DONALD 105 IASPER (a bell-boy) CHARLES HORACE CLAPP POKER JIM '05 CREPPY DAN HERBERT ARTHUR TERRELL 206 HARRY VARNUM FLETCHER '06 RAGTIME BILL HENRY KRAMER '04 WILEY WILLIE Robbers JOHN EDGAR SIMMONS 106 FOXEY WOXEY CHARLES STILLMAN SPERRY 105 SAMMY SLY GERYN THE KID NORMAN LOMBARD 105 NUGENT FALLON 106 WILLIE BOUNCE U. JAMES NICHOLAS POLLY CON (an enterprising Co-ed) 106 JOSEPH S. WEIL '06 ANA LITT WILFRED N. OLIVER 106 ALGY BRAY ALFRED CLARK FERRY 104 CESSIE BUCE LOUIS J. KILLION CARRIE O'KENESIS 105 Co-eds HENRY DELANO LORING MATTIE MATICS '06 GEORGE CARLYLE THOMAS '05 ADDIE SLUM HAROLD STANIELS GRAHAM 106 PRIMA RET. ERWIN FERDINAND BENDER 105 META MORFIX GORHAM CROSBY '05 MISS DEAL (Chaperon to Co-eds)

CHORUS

COURT LADIES — Milton Lichtenstein, Bernard Foster Whittaker, Joseph Hall Freemster, Louis Ernest Robbe, Pierre Richard L. Hogner, Herbert James Mann, Wm. Tufts, Sidney Taylor Carr.

BALLET — Butterfly and Flower Dance (Poppies) — Edward Oscar Welch, Percy Richmond Finer, Ralph Staples Gifford, Harvey Baxter Orcutt, Horace James MacIntire, Francis George Baldwin, John Edward Lynch, Walter Dodge Davol.

Dodge Davol.

THIEVES DANCE — Rhoderick Dhu, Earl George Cristy; Capt, Kidd, Walter Philip Regestein; Robin Hood, Edward Farnum Rockwood; Dick Turpin, Albert Edwin Sweetser.

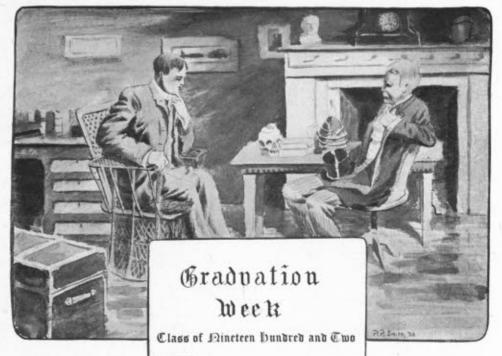
COURTIERS — Harry Hall Cook, Daniel Austin Loomis, Henry Everett Darling, Frederick Gardner Bennett, Arthur Gaylord Slocum, Jr., James Edward Griffin, Geo. Mitchell Henderson, Robert Sidney Clark, Bertram Austin Thompson, Howard Payne Shaw.

MERCURY (Solo Dancer for Flower Dance) — Chas. O. Egerton.

ORIENTAL WALTZ (Solo Dancer) — Walter Matthews Butts.

DANCERS — George Bayard Jones, Francis Edward Drake, Robert Morris Phinney, Alden Glover Drew, Chas. Whitney Hawkes, Waldso Turner.

GYPSEY DANCE AND FLOWER DANCE (Sun-Flowers)—Chester Allen, Henry Michael Flinn, Percy Ethan Tillson, Ernest Maxwell Smith, John Churchell Damon, Carleton Murray Emerson, Franklin James Van Hook, Henry Douglas Eaton.



Annual Reception by Alumni Association to the Members of the Graduating Class, Hotel Brunswick, at 8 p. m.

JUNE 8

Baccalaureate Sermon, preached by Rev. George A. Gordon, D.D., Old South Church, at 4 p. m.

JUNE 9 Class Day Exercises, Huntington Hall, at 2.30 p.m. Class Day Spread after exercises

JUNE 10

Graduation Exercises, Huntington Hall, at 2.30 p. m.



Held in Huntington Hall, Monday, June 9, 1902, at 2.30 p. m.

Program

Address by the President of the Class							4			HAROLD YOUNG CURREY
Address by	the	First	Marsh	nal			45			LOUIS SHATTUCK CATES
History	4	64	14		-	92	2	+	-	WALTER HAVENS FARMER
Statistics										
Prophecy		4	4	4		-	- 1	10	111	CARLTON BRIGHAM ALLEN
Oration	V.	1	32	1.5	12	2	2.5	23	27	ISAAC RAYNE ADAMS

Class Day Officers

First Marshal					LOUISE SHATTUCK CATES
Second Marsh	al .		90	CH	ARLES ADRIAN SAWYER, Jr.
Third Marsha					ALBERT EATON LOMBARD
President of th	ne Class			- 2	HAROLD YOUNG CURREY
Orator .		4.			ISAAC RAYNE ADAMS
Statistician		4	,		WILLIAM JASON MIXTER
Historian .				-	WALTER HAVENS FARMER
Prophet .					CARLTON BRIGHAM ALLEN

Class Day Committee

HAROLD OTIS BOSWORTH MATT BRODIE ROBERT VAUGHAN BROWN HAROLD YOUNG CURREY JOHN CLYDE FRUIT STEPHEN A. GARDNER, Jr. HENRY KEENE HOOKER CHARLES WETMORE KELLOGG, Jr.
CHARLES GALLOUPE MIXTER
EDSON THOMPSON POLLARD
REDFIELD PROCTOR, Jr.
FRANK AMBROSE ROBBINS, Jr.
GEORGE TILLEY SEABURY
KENT TILLINGHAST STOW

and CLASS DAY OFFICERS



Held in Huntington Hall, Tuesday, June 10, 1902

Program

READING OF ABSTRACTS OF THESES
ADDRESS BY THE PRESIDENT
CONFERRING OF DEGREES
PRESIDENT'S RECEPTION

Abstracts of Theses

Tests of Bridge Rollers	24	1.4			(1)	10	HENRY McBURNEY, A.B.
Tests on Steel Rivets		191	-		4	J	AMES DUANE IRELAND, Ph.B.
A Study of Calumet Slin	nes			38			WALDO HUNTER COMINS
Design of a Museum of	War	7.0	10		2		Leroy E. KERN
An Analytical Investigat of Starch by Acids	ion of					lysis	HERCULES W. GEROMANOS
Test of the Generating P Street Railway Compa			Brockt			outh	. GARDNER ROGERS
An Investigation of the Communis and Certain					cillus	Coli	WILLIAM JASON MIXTER
The Operations of Europ	ean Te	ermin	al Top	Marl	kets	1	EVERETT L. UPHAM
The Study of Mercerizati	on of	Piece	Goods	30	15	- 63	FRANKLIN TINKER ROOT
The Study of the Bacteri	al Acti	ion of	a Sce	ptic 7	Tank		DONALD M. BELCHER
A Launching Experiment		7.					EVERETT OWEN EASTWOOD

The Test

She disagrees on politics,
On questions of shadowy gods;
On many things of small-talk kind
We're fearfully at odds.
She's prim, and many a lark of mine
She judges too bizarre.
But what of that? She says she likes
The smell of a good cigar!



The Civil Engineering Summer School of 1902

HE PHRASE "SUMMER SCHOOL" IS
RESPONSIBLE FOR A VARIETY OF
EMOTIONS IN THE TECH MAN; BUT THE
BODY OF CIVIL ENGINEERS WHO ATTENDED THE SUMMER SCHOOL OF
1902 COULD CONSUME A SCHOOLGIRL'S
vocabulary of extravagant terms in expressing
the general satisfaction that prevailed. That
was the keynote of the school—complete satisfaction and not a kick coming from anybody.

After trying various localities for the summer schools, the Maine coast has been settled upon as possessing the essential points—excel-

lent opportunities for topographical and hydraulic work and a comfortable climate in the month of June. The school of 1902 was located at Ellsworth, a city of at present about 4,000 inhabitants, situated on the Union River and an entirely new territory for Institute parties. The hackneyed adjective of "uneventful" would hardly pass as descriptive of the trip to Ellsworth. The cycle-styled sheet supplied to students innocently held forth as follows: "Arriving at Rockland at 5 a.m., the party will transfer to steamer of the Rockland, Blue Hill and Ellsworth Co., arriving at Ellsworth at 3.10 p.m. Tuesday, June 10th. (Barges will transfer the party from Surry, the steamboat landing, to Ellsworth.)" Dean Burton, in charge of the school, selected this route because, as he told Professor Robbins, although there were several ways to reach Ellsworth, this one was far the most preferable because of the "delightful all-day sail along the Maine coast." If you do not believe in the term "eloquent silence" consult Professor Robbins on the "delightful"-ness of the above-mentioned sail.

The work of the school was mainly the making of a plane-table survey and hydraulic measurements, with a little geologic field work. As the ground was new to everybody, instructors included, the first day

at Ellsworth was spent in reconnoissance. During the course of the day a site for a base-line for the topographical survey was selected and two signals marking triangulation points were erected. This base-line was later measured, amidst many trials and tribulations. Upon the accuracy of this measurement depended the value of the survey. A tide gauge was placed at a suitable point on the river about two miles below the city, in order that,



PLANE TABLE WORK

by daily observations, mean low water could be determined. In the three weeks following, a plane-table survey was made, extending down

river to the tide river about the including both Roads, located by traverse planeferred to the fairly complete country in the ity of the city was work, although for at least one school. Ellsworth opportunities for



UNION RIVER, HYDRAULIC STATION

gauge and up same distance, banksoftheriver. meansof the road table, were translarger maps. A survey of the immediate vicinthe result of this there is plenty left more summer offers exceptional hydraulic work.

The means for propulsion of the wheels of many an industry are running useless in the Union River. A hydraulic measurement station



HELIOTROPE SIGNALLING, GREEN MOUNTAIN

was chosen just above the town. Here soundings were made, and velocities measured by the running of sub-surface floats and by several types of water meter. The results from this field work were plotted and computed during the winter term at the Institute.

The school made its headquarters at the American House, having the entire third floor for chambers. This arrangement was entirely compatible with our disposition, but proved rather disastrous to the peace of the establishment. The "suicide" on this floor the night of the observations on stars for time, etc., never reached the newspapers; but it was none the less interesting. Nelson was at first apparently the responsible party; but mysterious stories quickly shifted the burden to the shoulders of H. S. Baker. As he did not appear disposed to deny the accusations the matter was hushed up as well as possible. Those



THE CIVIL ENGINEERING SUMMER SCHOOL

mid-night carnivals in the room of Littlefield and Cox are also memorable events certain of a place in the Encyclopedia Britannica.

The three meals of each day were by no means a minor part of the program. With the exception of Mr. and Mrs. Hosmer and Mr. and Mrs. Sweet, the party was seated at one large table and a merry table it was! "Deacon" Cox, in his role of mock tragedian, was at his best at these times. His pathetic appearance in wet rain-clothes with one lone fish, with the grand climax of the entrance of Fogg, and Littlefield with a bag of the kindred of elasmo-branchs will go shrieking "down the annals of time forever." The "sings" in the hotel

parlor on Sunday and other evenings, with Mrs. Sweet at the piano and Cox at the violin, with an occasional rendition of "Sailor Beware" by Seabury, were an important part of the social life of the party. If any of that summer school, in the life ahead, reaches the point where he is hard up for a smile, let him sing "Jonah" and he'll be all right. There are other little incidents to be remembered, such as "Baky" Baker's Bottle, Bates' numerous baths, Davis' imitation of "Jim on the roof," the weekly vaudeville show in the town hall and Maizie. Oh! what would we have done without Maizie! Altogether, despite the fact that the residents of Ellsworth were slightly remiss in the

social hospitality which naturally might have been expected of them, the school did not suffer. Itwas sufficient unto itself.

While we were occupied in plane-table and hydraulic work, Professor Barton was scouring the country for geologic features. He gave us the results of his searchings in two or three interesting talks. Also



GEOLOGICAL FIELD WORK

one forenoon was devoted to a geological field trip investigating a very well defined esker and delta which Professor Barton had discovered. There is one picture of the Professor which every student will remember—as he delivered a lecture on eskers while he and the whole party were slowly sinking to their waists in the waters of a swamp.

A very interesting portion of the work of the school was the heliotrope signalling, in order to complete the triangulation and connect the survey with the rest of the world. Two days were devoted to this work. The three points of the triangle were Ellsworth Fair Grounds, Blue Hill and Green Mountain, Bar Harbor. The two latter points are Coast Survey triangulation points. Blue Hill is about fourteen miles from Ellsworth and Green Mountain about twenty miles from both. We were fortunate in finishing this work in two

days, as it is unusual to have weather over so large an area sunny

enough at one time to permit of heliotrope signalling.

The school ended its work with a ball game, with the Ellsworth Eurekas, in accordance with a custom of summer schools, but this game differed from the others in one respect,—we won it. Five of the team had never played the game before; but under the lead of Captain Granger the team had done some steady practice noon hours and evenings, and we certainly deserved the victory. "Mul" (variously dubbed Mule-heim, Mul'rin, Mulheerin, etc.) was easily the star of the team. Fogg ably filled the capacity of catcher, although he disliked his job intensely. Three pop flies to "Mul," Johnson and Nelson and out! with a cake at the hotel bearing a 12 to 11 on its frosting!

No man who attended that summer school will ever regret it. We came to know our professors differently and better, to know each other and incidentally to learn a little more about ourselves. When seemingly more important things are dead and buried, we'll remember

well those few happy days at Ellsworth.



Mining Engineering Summer School

NDER THE GUIDANCE OF PROF.
R. H. RICHARDS A PARTY OF
TWENTY-TWO OF THE SECOND,
THIRD AND FOURTH YEAR MINING
ENGINEERING STUDENTS TOOK A
THREE-WEEKS' TRIP TO NOVA
SCOTIA AND CAPE BRETON ISLAND. The object of the summer school was to show by actual
examples the mining and milling of gold ores, and
the different methods of mining, sizing, washing and
coking of bituminous coal; also, the Nova Scotia
blast furnace practice and the manufacture of steel

from pig metal. By way of emphasis, the smaller and more incomplete plants were visited first, so that the impressions made by the larger plants were so much the more marked by a later comparison.

The party left Boston Saturday, June 14, 1902, bound for Halifax, N. S., on the former United States transport "Olivette." The gentle ground swell induced over half of the crowd to seek the welcome seclusion of their staterooms. Gurza needed the most sympathy, while the rest enjoyed the novelty of a "night at sea." Arrived at Halifax Sunday afternoon, the party was at once conveyed by barge to the little gold-mining town of Waverley, a distance of some twelve miles. Hotel accommodations being scarce, some of the party were quartered at the different houses and some in an old hotel. Unwelcome visitors at the "Hotel" caused all, save Dunham, to resort to a midnight plunge in the icy waters of Ten Mile Lake. Dunham was puncture proof. Although Wastcoat is always reticent about it, they say he

afterwards found the needed repose in a comfortable hayloft. The next morning the party, dressed in old clothes, went into the mine of the Waverley Gold Mining Company and inspected the methods of sinking the shaft, mining, tramming and hoisting the gold-bearing barrel quartz; also the ventilation, mine drainage, and use of compressed air. This was supplemented by a study of the geology of the adjacent country and its bearing on the method of working the mine. The generalities of mine management were also explained. The next day opened auspiciously with a genuine dog fight which delayed operations for more than an hour, after which the power plant and mill were examined.



MINING ENGINEERING SUMMER SCHOOL

A 98-inch Pelton water wheel (73 feet head) was used to drive the air compressor, and a 15-inch Crocker turbine furnished the power for the 60-stamp mill and four Wilfley tables, for crushing, amalgamating and concentrating the ore.

From Waverley the party went to New Glasgow, which was to be headquarters for the next five days. A visit was made to the Drummond Colliery, Mr. Charles Fergie general manager, at Westville. Here the students were given an excellent opportunity to study the details of a modern direct-connected hoisting engine, with its winding drums, clutches, etc.; also the ventilating (Walker fan) and air-compressor plants and boiler-rooms. The party went into the

mine and saw the coal mined by the so-called "long wall" method. From the workings the coal was traced to the sizing and washing plant. The one-quarter-inch coal product from the sizing and hand-picking house was followed to the washer house, where it was fed into a Robinson washer, thence to the draining sieve and finally to ten pairs of beehive coke ovens, from which 60 to 72-hour coke was obtained.

The first blast furnace was seen at the plant of the Nova Scotia Iron and Steel Company at Ferrona, where there was also a Stein jig-system coal-washing plant and a bank of Otto Hoffmann coking ovens. The theory of the hot blast for the iron furnace was here practically illustrated, the air from two 1,000-horse-power blowing engines being sent through one of three, 3-pass hot-blast stoves, in which the temperature of the air was raised to about 1050° F. before it entered the bustle-pipe of the furnace.

As modesty compelled the party to travel "3d class" the return trip had to be made en freight. The most comfortable places were found on the train, the fellows being scattered from the engine to the caboose roof, while Professor Richards had things his own way inside the swaying lookout.

A day was spent at Trenton visiting the steel works of the same company. Twelve Smythe and five Fraser-Talbot mechanical gas producers furnished the gas necessary to heat three brick open-hearth furnaces, having a total capacity of about 100 tons of metal, and one 50-ton Wellman tilting furnace used as a mixer.

The steel when finished was cast into five-foot ingots, and transferred to soaking pits to equalize the temperature in each mass of steel. From the soaking pits the ingots were taken to the blooming or rolling mill and there rolled and cut into billets, which were reheated and again rolled into rails, fish and bed plates, angle irons, etc. Soft steel with 0.09 per cent of carbon was used for rivets. Hot and cold rolling is carried on in this plant, the best shafting being hotdrawn and double-reeled.

It is interesting to note that the Canadian government pays a bounty of \$3.00 per ton on steel made from over fifty per cent of pig iron. This insures better steel, and indirectly causes a larger production of pig than would otherwise be the case.

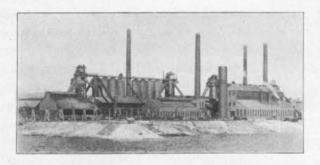
From New Glasgow the party went by rail to Sydney, Cape Breton, where it was quartered at the Sydney Hotel for the remainder of its stay on the island. Here "Specimen" found what he thought to be the fossilized vertebra of the now extinct mammoth of the



species Elephas primigenious. Unfortunately, however, the find proved to be a few mud ripple marks.

On Monday, June 23, the party visited the comparatively new plant of the Dominion Iron and Steel Company, of which Mr. David Baker, M. I. T., '85, is general manager. The plant was found to contain, in addition to its four 85-foot blast furnaces and its steel-making plant of ten tilting open-hearth furnaces, a complete coalsizing and washing plant; also eight banks of fifty Otto Hoffmann ovens each, from which 40 per cent of the gas was used in other parts of the works after the tar, ammonia, naphthalene, etc., had been removed in the gas-washing house. An interesting feature in

connection with the washing or purification of the gas was the manufacture of sulphuric acid from very pure Spanish pyrites, for the precipitation of the ammonia as ammonium sulphate from the wash water through which the gas had passed. The four Campbell-designed blast furnaces, together with the sixteen-battery Babcock and Wilcox boiler plant, the Allis 1500 horse-power vertical blowing engines with Julian Kennedy air valves, the 2-pass Cowper-Kennedy hot-blast stoves, the ore and flux heaps with the conveyors, etc.,



gave an excellent idea of modern blast furnace practice. In the openhearth plant the students were given ample opportunity to study the construction and operation of the Campbell 50-ton open-hearth furnaces, together with the regenerative system of heating the air for combustion.

Several trips were made to the company's coal mines at Glace Bay, where the total daily output is in the neighborhood of 13,000 tons of bituminous coal. The coal was found to be mined almost entirely by the "pillar and stall" method, in which it was aimed to extract all of the coal in each seam.

At the Dominion No. 2 mine was seen the largest vertical shaft in that part of the country, and one which, when completed, will have a daily output of 6,000 tons of coal. The shaft measures 37 by 11 feet, and extends vertically downward 995 feet from the axle of the hoisting pulley. Two days were spent at Glace Bay in learning the



CLINKER BOY

elements of mine and plane-table surveying, and also the laying out of simple railroad curves. A "slip" caused Shorty Holbrook to take to his heels, and they say he outrivals the fleet-footed Achilles when he gets started.

An entire morning was occupied by a sixmile inspection tour through the workings of the old North Sydney mines. Here Beulah and Norton balked. The pace of the past two weeks had begun to tell, and it was necessary to leave them in a coalpocket while the party proceeded to explore the mine. The mining is done by both the "pillar and stall" and "long wall" systems, and at present the workings extend a mile and a half under the sea and twelve thousand feet

vertically beneath the ocean bed. This ended the practical work of the summer school, and the next day the party broke up, some going to Halifax by way of the Bras d'Or Lakes, so noted for their scenery and its colorings.

The rest of the party returned by way of Truro, in order to see the much-heard-of "bore" or incoming rush of water from the tide in the Bay of Fundy. A position was selected at South Maitland, near a bend in the Shubenacadie River, and at the proper time the bore appeared, though of much less magnitude than had been expected. The bore made its way up-river with an estimated velocity of about nine miles an hour, the water rising ten feet in fourteen minutes. After a day of sightseeing in Halifax, the party left for Boston on the steamship "Halifax." This time Spider Burr was the only one to be pitied. He didn't mind the rolling so much, but strenously objected to the pitching.

The hospitality with which the members of the party were everywhere received, and the interest which the different managers showed in throwing open their plants and mines to the students, have made an impression on the men which will not be readily forgotten. This, together with the untiring efforts of Professor Richards in the arrangement and carrying out of the interesting itinerary, has made the Summer School of 1902 what is probably the most successful one in the history of the Institute.



Naval Architects' Trip

N A PLEASANT SATURDAY OF NOVEMBER, A PARTY OF NINE FUTURE NAVAL ARCI-TECTS FROM THE MASSACHUSETTS INSTITUTE OF TECHNOLOGY MET AT

the pier of the Merchant & Miners line on Atlantic Avenue. Professor Peabody and Admiral Schofield were to be our guides, one the scientific and the other the moral, on our course of inspection through those shipyards of the

Atlantic coast that we had planned to visit. Crosby, ent of the Naval Architectural Society; Parker and

the noble president of the Naval Architectural Society; Parker and Cross, two solid and remarkably intelligent beings; Schofield, Jr., semi-clergyman of the party; Turner, the great joker; Egerton, the little fusser; and Lage, the great fusser; together with the two nobilities, composed the famous party that was to give their nod of approval to the eastern shipyards.

On leaving the Atlantic Avenue pier on the good ship "Howard," the sea, the clouds and the wind were at peace; but with Boston light astern, the elements disagreed. The chasing clouds hid from us the poetic moon. The wind, surging in our ears; and the sea and our lunch, seemingly never wishing to reach its own level; kept our party from being too hilarious. "Hold fast, Eggy," was the joke of the hour; but no one had nerve enough to approach the rail and call for fish. For obvious reasons our party retired early to spend a night of troubled dreams.

The following morning was remarkable for the fact that the sun shone a few hours and that Lage lost his hat overboard. Cross and Parker fussed from 9 A. M. to 12 P. M., with the time and angle

of rolling of the "Howard." After a very elaborate calculation, the accuracy of which can be doubted, as the computation was done by head by a very doubtful system, the following results were arrived at: Time, 7 minutes and 15.035 seconds; angle of rooling, 30° 20′ 11.5".

In the evening, after a visit to the engine room, we all dashed into Crosby's room to make friends with a certain box that was to be opened for the occasion. Our Professor joined the meeting, and we certainly enjoyed the evening. Everyone, of course, told a little sensible story, and the Professor himself did not scorn them, for he laughed: mercy, how he laughed!

The following day at seven o'clock, we landed at Norfolk, and with our two guides in the lead, we started. Fort Monroe was visited and a lecture on U. S. history given. We were allowed to visit the fort more or less in detail; but our interest was mostly confined to the famous 24-inch disappearing gun. After visiting Hampton Institute, the party took electrics to Newport News shipyard. We were rather unfortunate as regards the weather, for the first "vue d'ensemble" of the yard was in the pouring rain. Then we visited the different parts of the yard in detail. The mould-loft, the machineshop, the boilershop, etc.; nothing escaped our observation. We also had an opportunity to inspect a U. S. gunboat in the process of construction. Back on the "Howard" that night, we slept the sleep of the just.

Next morning everyone, except the lazy Lage, was up early to take the train to Sparrow's Point where the Maryland Steel Company is located. The treasurer of the company met our party and proceeded to explain the main features of the yard; and nothing was spared to make us enjoy this most profitable visit. As a side attraction, we inspected a tramp steamer that had been damaged by fire. During lunch, Eggy disappeared, and, although we inquired and hunted for him, he was not to be found. After lunch, the iron works and blast furnace were visited, and Professor Hofman's lectures appreciated. At four o'clock, while waiting for the train to Baltimore, our friend

Eggy hove in sight and explained that (prepare for the worst) he had got a shave.

At Baltimore a train was taken to Washington, where we visited the experimental tank and the gun factory in the Navy yard. Much to our disappointment, repairs were being made to the tank and no test was run. The afternoon of that day was free to us, and each one drifted at his own will to see the sights. It is worthy of note that Eggy remained the whole afternoon at the railroad station, watching the trains go in and out.

The New York Ship Building Company was next on our program. This shipyard is situated at Camden, near Philadelphia, and is to my mind the most remarkable of all those we had seen. One is most impressed by its grand appearance, and the most orderly and compact way in which the work is carried on. In this yard, the principle of bridge construction in shipbuilding is being applied with success.

We were getting to the end of our trip with only the Elizabeth yard near New York to be visited. This yard is small compared to those we had already seen. We had a chance to inspect in detail two cruisers for the Mexican government, as well as a monitor for the U. S. Navy.

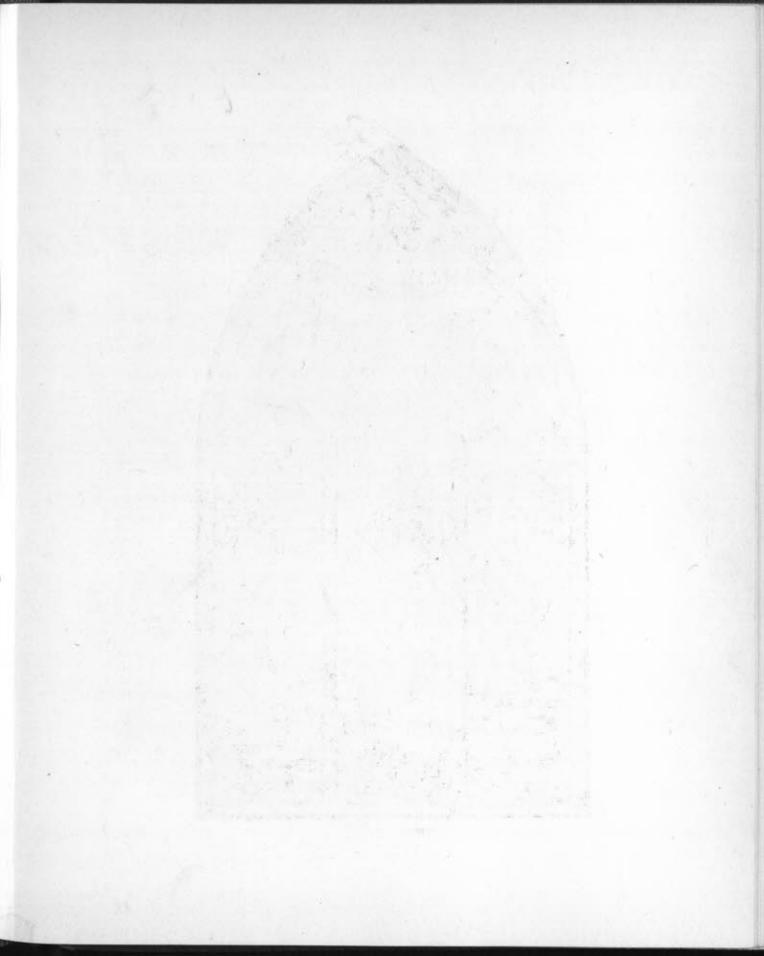
When we arrived at New York, we certainly felt sorry to end our most delightful trip; but Tech could not stand it any longer without Course XIII. So with the determination to pursue our studies to a better advantage and to prove whenever we had the chance that the Naval Architects' trip is by far the best means of broadening one's ideas, we returned to old Boston.

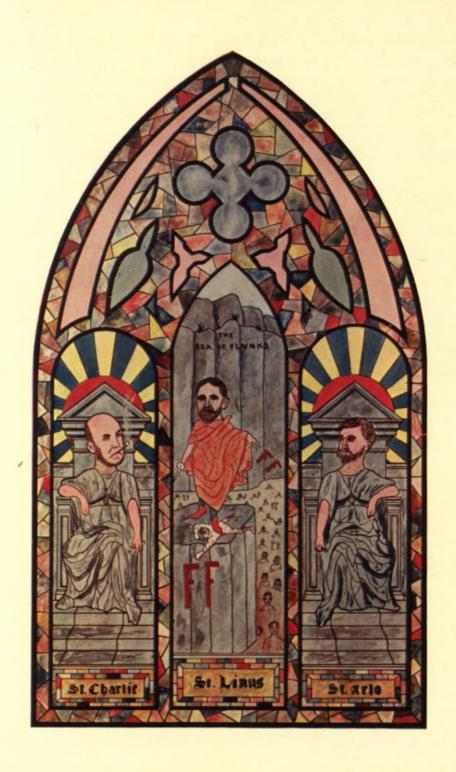


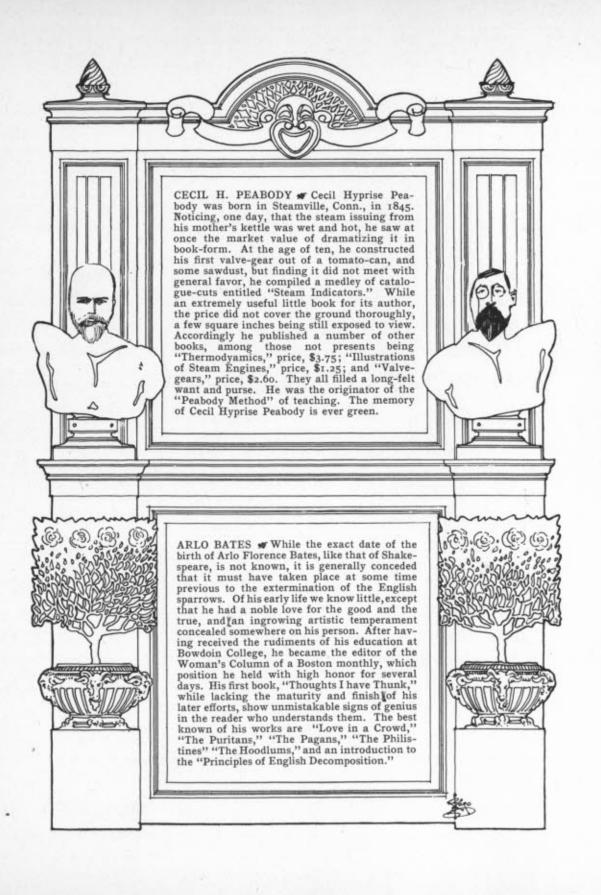


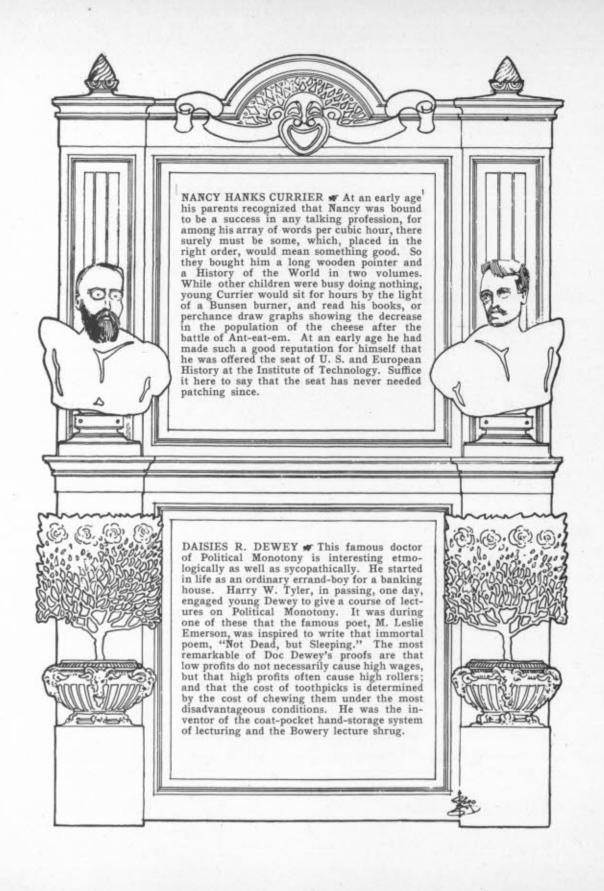


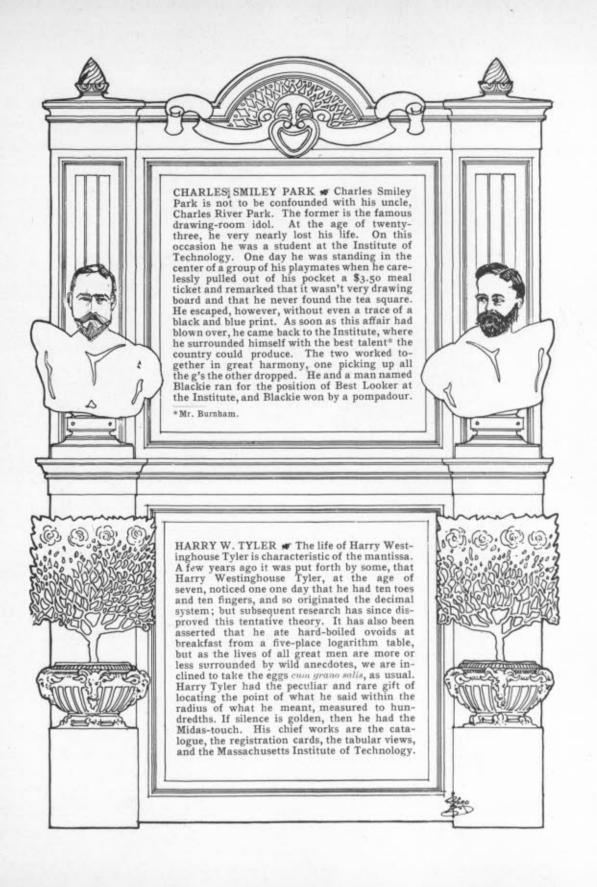


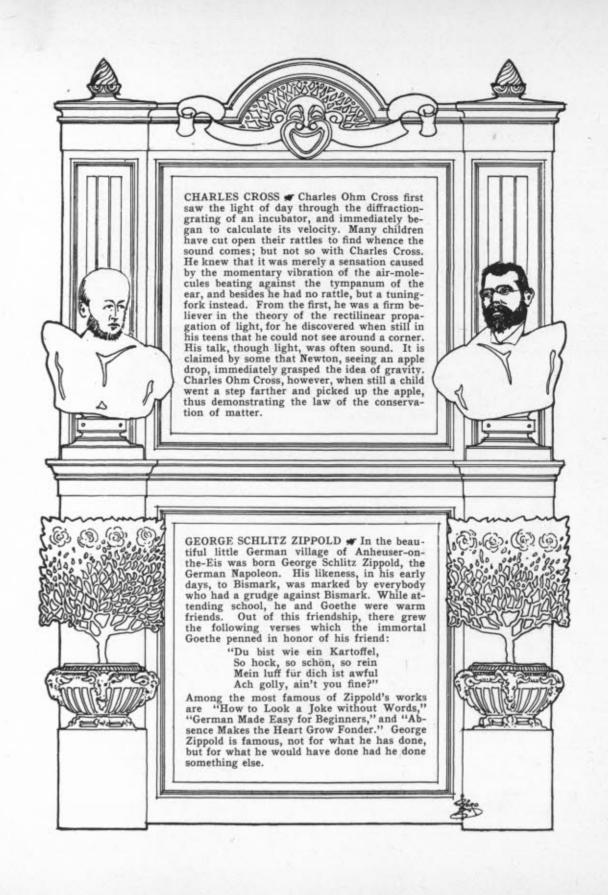


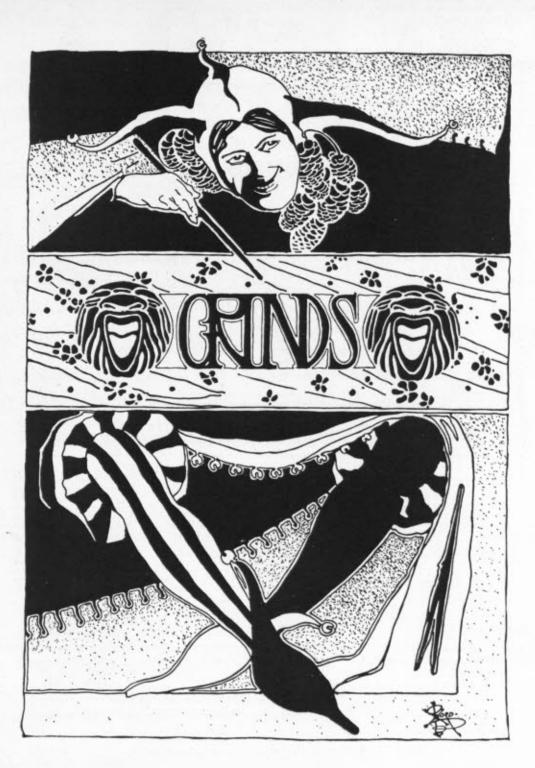












Grinds

"Let us laugh and be merry while we live, for we shall be dead a long time."

Mr. Blachstien (about to ask Doherty, '04, if he split sections): "Good morning, Mr. Doherty, do you split?"

Doherty: "O nevaire, Mr. Blachstein, nevaire!"

IN SALON AND SALOON

Roberts, '04 (in Political Economy): "Shorter working hours would increase the distribution of wealth, because men would have more time to spend the money."

USE WET WATER

W. A. Evans (to Mr. Lambirth, who is tempering springs in water): "Is it necessary to use spring water?"

MR. ERHARDT HAS A SPASM

Student in Mr. Erhardt's class (trying to translate "Letzte Nacht hatte ich das folgende Traum"): "Last night I followed a dream."

ASK THE COW

Freshman (to Mr. Russell in Chemistry): "Is whipped cream an allotropic form of milk?"

LOST

Mr. Erhardt: "This is the only legend of the heroic age that remains with us, and we have lost it."

HE FORGOT FLATIRONS

Professor Hofman: "There are three kinds of iron—cast iron, wrought iron and steel."





TECHNIQUE IS NOT THE ONLY GRINDER

What is the critical point? It is the point at which Dana P. Bartlett's smile ends and his frown begins.

First Freshman: "Say, I can't find out what a is?"

Second Ditto: "Never mind, old man, you're equal to it."

COME ON, BOYS!

Said one hair in Charlie Cross' beard to another which was vainly trying to make room for itself to grow: "There's plenty of room at the top."

STRUCK BY A THOUGHT-MAY RECOVER

P. G. Hill ,'04, was recently found in the mechanical laboratories leaning against an anvil in a trance. He was wondering how they made the first pair of tongs without a pair of tongs to hold them with.

SECRETARILY SPEAKING

Freshman (to Harry Tyler in Trig.): "Will the exam. cover only the last five

Secretary Tyler (cautiously): "Primarily I cannot authentically state whether it will be exclusively on the last five weeks."

WORSE THAN TWINS

Arlo Bates (in English lecture): "Wordsworth, Coleridge, Scott and Lamb were all born about the same time-in fact history shows that great men are born in bunches."

BLIND IN ONE EAR

Mr. Dike (hearing a loud noise issue from the ventilator): "It looks as if it came from that hole."



HE KNEW IT WAS SOMETHING BIG

Professor Wells (making the sign ∞): "And what does this sign mean?" Freshman: "Eternity."

A ONE-ACT MONOLOGUE

Scene: The Drawing-room

Cast of Characters: Calkins, '04, and a New Instructor

(Calkins is busy drawing, when the New Instructor walks up to him and watches him draw. Calkins does not know he is the New Instructor, and being naturally of a sensitive nature, he dislikes being watched by one whom he thinks a Freshman.)

Calkins (looking up at the New Instructor): "Say, sport, what would you do if you were tired?"

The New Instructor remains silent.)

Calkins: "I'd go lay down."

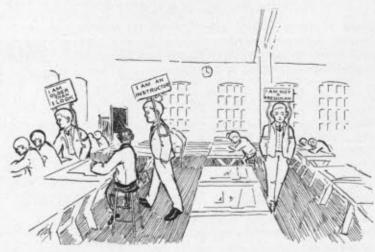
(Prolonged silence.)

Calkins: "And by the way, if a hen and a half can lay an egg and a half in a day and a half, how long will it take a bald-headed rooster to lay a batch of buckwheat cakes?"

(Painful silence.)

Calkins: "How long will it take a hen to lay a carpet?"

(The New Instructor walks away, and Calkins continues drawing, well satisfied with himself.)



A SUGGESTION TO YOUTHFUL INSTRUCTORS

HE GOT IT

Peiler (excitedly rushing round to find the Heat lecture-room): "Where can I find "Heat?"

Bystanders (in unison): "Go to h-1!"

After writing on three questions in Political Economy class, the papers were passed to the front. Cooper, '04, left a blank space against the question, "What is wealth?" and the man to whom it was passed wrote in this space for him: "Gosh darned if I know."

J. C. Baker, '04 (to Professor Peabody in Thermo.): "Will you please tell me where we can see one of these Carnot engines working?"

Professor Peabody: "I don't intend to take the time of the class to answer questions that are asked in a humorous vein."

Baker (who comes from Syracuse, N. Y.): "Ahnest, Professor Peabody, I didn't mean it humorous."

CHARLIE'S JOCULAR SIMILE

Professor Cross (showing the effects of eddy-currents on a silver dollar): "You see they stick to the silver dollar like—like—Bryan."

REPARTEE

Rollins, '04 (coming from forging): "Hello, Mac, where are you going?"

McQuaid, '04 (coming from lunch): "O, I've been foraging and now I'm going to forging. Where are you going?"

Rollins: "O, I've just been hammering some bolts and now I'm going to bolt some ham."



"AN INSIGNIFICANT FIGURE"

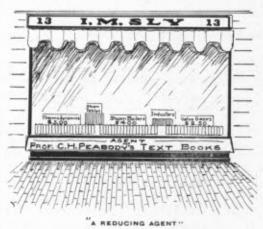
JUST LIKE BURRIE

Mr. Burrison (discovering a Freshman trying to draw a circle with an irregular curve): "No, no; you mustn't do it that way; use your triangles."

Mr. George: "Mr. Weaver, how did you do this example?"

Weaver, 'o5: "I did it the impossible way."

Haar, '04: "Does the explosion in the cylinder of a gas engine take place between the head end and the crank end?"



METAMORPHOSIS

Freshman (in the lunch-room): "What Course II Prof. is that coming in the door?"

Junior: "He's Park, now, but when he goes out he'll be Fuller."

HE NEEDS II IN HIS OWN SYSTEM

Instructor in Physics Laboratory: "Why did you not express t=II /1 in the metric system?"

Student: "I didn't know the value of II in the metric system."

RATTLED

Professor Sondericker (in Applied): "In what terms is the stress expressed?"

Cerf, '04: "In feet-inches." (Great applause.)

Cerf (making another try): "In foots-pound."

SOMETHING WOULD DROP

Haar (in Theoret.): "If I touched the two terminals of a 2,000-volt arc machine, would there be a drop in potential?"

Professor Clifford: "No, not at the instant you touched them."

Haar (persistently): "Would there be an instant later?" Professor Clifford: "You wouldn't care."

A. R. Holbrook, '04, indulges in the "weed," and takes Business Law and Topographical Drawing. It looked appropriate, therefore, when he had on his tabular view the abbreviations "B.L." and "T.D."

A JOINT AFFAIR

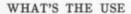
Professor Albers (in Business Law): "If three men go out and have a joint celebration."



THROWING IN THE CROSS FEED"

BE ON THE SAFE SIDE

Professor Miller (giving first instructions in Engineering Laboratory work): "When making engine tests, you should wear goggles to protect your eyes. We avoided an accident by doing this last year. Five glass tubes exploded into a man's face and peppered it full of glass. It might have been serious if he hadn't protected his eyes."



Professor Fuller: "The problem says to omit the rivet holes; that means to take account of them. No, I am wrong; the problem says to take account of them; that means to omit them."



AIN'T IT?

Getty Lanza: "Mr. Fitzler will please explain what he did and how he done it."

A DEFINITION

Mr. Dike (in French class): "The neck is that part of the bottle you break when you can't get the cork out."

A SAFE WAY

Mr. Carter (in Analyt. recitation): "Has anyone solved this problem?"

(Hamilton, '04, holds up his hand.) Mr. Carter: "Well, Mr. Hamilton, you may explain."

Hamilton: "Why, I just assumed the book was correct and put down the answer."

WILD FLOWERS I HAVE MET

Gouldis Mouthibus - This night blooming weed, of the common or garden variety, was discovered by a deaf Indian, so the story goes, who heard it coming two miles away. It belongs to the genus Butcherum Cabbagensium, and no attempt has ever been made to cultivate it. Its rough growth thrives on swampy ground. It cannot be grown successfully in a hothouse, it being essentially a roughhouse plant. It grows in any old soil, the more so, the better. It has recently been transplanted with great success.

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Maiden-Haar Fern — No bouquet to give to dear teacher should be without a spray of maiden-Haar fern. No class-room is complete without one. It is a hardy little plant,—it will grow and grow, unfolding each tiny petal of thought until you begin to wonder where it is all coming from. Harry Clifford, the botanist, says: "It is a delight to me, and furnishes me with my chief reason for my belief in a Deity. I would like to have a pressed specimen in my dictionary." Sudden changes in temperature do not affect the maiden-Haar fern, and it blooms from early spring until further notice.

Kalmustard plant — A beautiful flower, growing upon two long, slender stalks. No further description is necessary.

Cartyola Duplex — One of these handsome Cartyolas is so like another that it is only with difficulty that one tells them apart when they are together, or together when they are apart. They thrive best in a secluded spot, and require little attention.

Chickedee Emersorium — A sort of sea-weed growing on the bottom of vessels. Is a day blooming as well as a night blooming serious. With very little thought it can radiate intelligence to a remarkable degree. Can be found thriving in the drawing room.

Dorhertyus Smilax — A hard little perennial plant growing in all climates. It is claimed that flies will not stay in a room where it is grown if they can conveniently escape. It is sure to please everybody. It blooms in the evening and is generally found in double mixed colors.

Crowellwort, or Robin-run-over-the-ground — This little plant, if planted in one corner of a garden, will soon be found all over the place. It requires but little care, and is not particular as to sun. Price thirty cents per package.

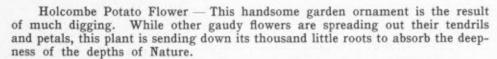
Vosbury's Best Flower — This belongs to the genus moustachio tryhposa, and would be excellent for a hanging plant.

Sweet Williams — Belongs to the genus Slickasday Makum. Put up expressly for the fine trade.

A. E. Holbrook Clematis — A trellis is required for the proper culture of this plant. It is rather peculiar in its ways, and should not be confounded with the cheap showy articles offered by other dealers. Sold by the foot.

Whittaker Lily — A finer, purer plant could not be found. It has been suggested as a suitable emblem for the Y. M. C. A. It requires nothing but water and little of that.

Downes Palm — An excellent parlor plant with pipe attachment. It is our best sell.



Hoy Morning Glory — A substantial plant that has been likened to a heavy gust of wind coming down a mountain side. Just the thing to keep chickens away. No fertilizer needed.

Mason Easter Lily — The delicacy and beauty of the lily have made it emblematic. This lily must be grown in the finest quartz pebbles and filtered and triple-distilled spring water. Nothing further need be said. Sent in sealed, plain package.

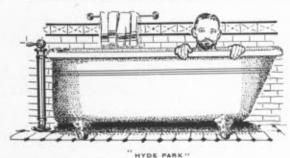
Professor Bates, a Soph. told me, One morning came to Tech, And, strange to say, he had no tie Around his manly neck.

I felt like telling Arlo Bates,
(I would have, but I dursn't),
That there is nothing quite so bad
But what it might be worsened.

It would have been more negligé
If he had taken fancies,
And started absent-mindedly
To come without his pantsies.

"THINGS ARE NOT WHAT THEY SEEM"

Professor Peabody: "A door-check closes a door because you have first given it the power by opening the door and thus compressing the spring; so that when you open a door you are really closing it."



NO LOOPHOLE HERE

Professor Albers (in Business Law): "Law is that which everybody is presumed to know, which nobody does know, and which the Supreme Court is paid for having the last guess at."



T,ECHNIQUE

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OVERHEARD IN ENGINEERING ALLEY

First Junior: "Was Peabo's lecture clear to you?"

Second Junior: "Clear as mud."

First Junior: "Well, that covers the ground."

AN INFINITE SERIES

Professor Peabody (when the automatic temperature regulator has failed to work properly): "What we need is a regulator to regulate the regulator."

HE WANTED TO LEARN, CROWELL

J. W. Crowell, '04 (to bystander who is watching him build a fire at a forge): "Is this your forge?"

Bystander (who, unknown to Crowell,

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is an instructor): "No."

Crowell: "Then what the h—l are you rubbering for?"

VERY ADVANCED FRENCH

Mr. Dike: "The problem of the concierge in France is more momentous than that of the servant girl in this country,-

as any of you will know who have had experience with servant girls."



Mr. Frizzell (to student who has made a mistake in turning a doughnutshaped piece of wood on a lathe in the shops): "Ah, I see you have made a bull."

Key to Joke. - Geometrically, a doughnut has the shape of a torus, pronounced exactly like taurus, which is the Latin word for

"bull."

P. J. Sullivan, '05 (describing a Freshman soldier): "He was so bow-legged they had to cut his drill pants on a circular saw."



SHOULD HAVE WAITED

Professor Cross (in Physics lecture): "This thermopile can be used to measure the heat from a man's face a mile away."

(At this point, Rhodes, '05, hastily leaves the room.) Professor Cross (blandly): "I was going to add that it has been used to measure the heat coming from stars."

I WONDER WHY!

Professor Peabody: "The Pratt and Whitney company found they couldn't make a perfect cylinder, so they decided to stop making them."

HE'LL HAVE TO TAKE A LATCH-KEY

When Noughty Four is here no more, But exists in a gaseous state, And all the class has grimly passed Beyond the pearly gate, I bet St. Peter's words will be: "Mr. Porter, you are late."



A POKER JOKER

Professor Johnston (to B. H. Miller in Applied): "I'll have to raise you ten, Mr. Miller."



A quiet young fellow named Leh, Met a bull in a pasture one deh With a nerve quite immense He showed be could fence, But when up against Harvard, Oh seh!

YOU WILL SEE IT BY DEGREES

Professor Hofman (in fourth-year Metallurgy): "The converter is then turned through an angle of 180 degrees Centi-

TO SUPERSEDE PEBO

(Special despatch to TECHNIQUE by Associated Press)

W. A. Nelson has just discovered a method to calculate the weight of a pound of steam by Thermo.



Professor Dewey (after waiting for the students to find the price of a commodity under certain conditions): "Well, has anyone got the price?"

WHAT THOUGHT DID

Professor Dippold (in German class): "Have you prepared this lesson?"

Atkins, '04 (who has just made a poor recitation): "I thought I had." Professor D.: "Well, you'd better take a deeper thought next time."

Barlow, '04 (writing from Mr. Dike's dictation): "How is that word spelled?" Mr. Dike: "It is spelled exactly as it is written."

Doctor Wendell (in Physics): "In Leipsic a professor gave the following illustration to show the action of + and - ions. Before separation they may be likened to a lot of men and women swimming around in the water; they all keep together by mutual attraction. But if on one bank of the river there appears a sign, "Free Beer," and on the other, "Bargain Sale Here," the two will separate, the men going to the first and the women rushing for the second, by attraction."

R. T. HAMILTON

THE FACULTY CALENDAR

First Year-Weeding out of students that are irrevocably hopeless.

Second Year-Another chance for the doubtful ones.

Third Year-Weeding out of those who have failed to use the chance.

Fourth Year-Graduation of the survivors.



"A RIGHT-HANDED COUPLE"



111113

III.



"How are National Bank notes secured?"
N. L. Snow, '04, thinks this is as good a way as any.

RECITATION BY PROXY

A One-act Farce

Mr. Lawrence (unfamiliar with the students): "What is an achromatic lens, Mr. —er (looking at his list) Mr. Ballou?" (Mr. Ballou keeps his peace.)

Mr. Lawrence: "Well, is Mr. Ballou present?"

Weaver, '04 (slightly hard of hearing): "I beg your pardon, what was that?"

Mr. Lawrence: "What is an achromatic lens?"

(Brilliant recitation by Weaver, and the villian escapes. Curtain.)

I DON'T KNOW WHAT YOU MEAN

Mr. Albers: "Now when you hire a team, the implied contract presumes you will take reasonably good care of it, and in case of accident you will not be responsible—that is if you use two hands in driving."

THIS IS SO SUDDEN

Holbrook, '04. coming down the Walker steps, put his arm absently around a Co-educational, thinking it was Ingram, who was side of him but a short while before. A breachof-promise suit may follow.

PROFESSOR ALLEN'S COMPETITOR

Professor Robbins: "Has anyone a piece of wedgewood to wedge this axe-head on?"

Langley, '04: "Here's a piece of wedgewood china; will that do?"

Professor Robbins: "That's just about as good as some of Professor Allen's jokes."





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TYLER'S READY BITS

Student (inspecting his envelope of roll slips): "What's this-a sample package of breakfast food?"

PECULIAR, ISN'T IT

J. W. Crowell, '04 (calmly chewing a chocolatecovered piece of soap): "Very peculiar taste this chocolate has."



C,, H,,O,, SHOULD BE PERFORMED UNDER THE HOOD"

UNITED STATES ENGLISH

Professor Dewey (in Pol. Econ.): "This can be changed by slapping on a tax onto the land owners which will slice off the tax from the poor people."

"I DIDN'T QUITE CATCH IT"

Professor Swain: "A word to the wise is sufficient. Gentlemen, if I have to repeat a thing fifty times, draw your own inferences."





Lang thinks it is a long way to Wayland.

WHATEVER YOU DO, DON'T DO IT

Mr. Harrison W. Smith (lecturing on Dynamos): It is perfectly safe to take a live wire in one hand—that is, it's a very foolish thing to do."

Mr. Dike: "What is the similarity between a gorge and a man who has gorged himself?"

Langley, '04: "They both have a slant on."

Doctor Moore: "Will anyone attempt to explain how we can obtain a sublimate of arsenic by heating a substance in a closed tube?"

S. E. Brown (excitedly): "If you put arsenic in the tube you'll get arsenic out."

ABOUT APPLIED

Not good I think my marks will be, But one thing I know well, That be it F or be it C, I know "Applied" is—L!

HARD ON BOSTON

"Gold is brought from the Klondike to the lower regions—Boston, for example."— Cross.

TRANSLATIONS UP TO DATE BY DOCTOR KURRELMEYER

"Sie die Schönste sei"-"She was the whole thing."

"Unbeschreiblichen Rausch"-"A jag."

"Zueifelnden Blickes"—"Goo-goo eyes."

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TECHNIQUE

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WALTER L. CRONIN

"Without me and the co-eds the class picture is a failure."

THE CAMEL AND THE NEEDLE'S EYE

Professor Miller (in Thermo.): "Tomorrow we will go through the barrel calorimeter."

NEVER USED IT

First Freshman: "I don't see why they want to learn us English here for."

Second Freshman: "Neither do I. It ain't no use for engineers."

WE DOUBT IT

Mr. Dike (in French): "There are only two feminine forms."



OUR JACK With Apologies

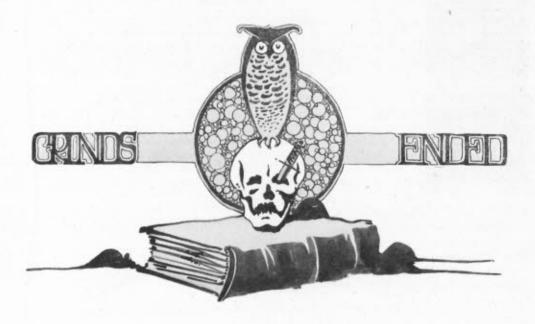
One shade the more, one ray the less
Had half impaired the nameless grace
Which waves in every raven tress
Or softly lightens o'er his face,
Where thoughts serenely sweet express
How pure, how dear their dwelling-place.

And on that cheek and o'er that brow
So soft, so calm, yet eloquent,
The smiles that win, the tints that glow
But tell of days in goodness spent,
A mind at peace with all below,
A heart whose love is innocent.

WILSON - THAT'S ALL

Professor Sondericker (in Applied): "The same thing causes beams to slant, and it don't look well to see beams slant."

Ashort vacation recently. He will graduate this year from the famous Technical School, at Boston, where they say 45 per cents of the freshmen fail to pass their exams, and are sent home. Mr. Mears, I understand, is third from the top, on the list of a thousand students, and last Summer, during his vacation had full charse of a big electrical work in New York. Mr. Mears is the finest looking specimen of American manhood I have ever seen. Over six feet tall and built by proportion, and a remarkably strong and handsome face. He is a great favorite at the school, and one of the leading athletes. If I am a prophet, and Mr. Mears lives, he will make his mark in the electrical engineering world.





OBJECT: The object of this Society is to promote Woman Suffering.

PETTICOAT OF ARMS: Rampant jackass surmounted by a wreath of violets and a bottle of hair-oil.

CLUB FLOWER: Lady's Slipper.

Chief Fusser CHARLES LOWELL HOMER

hare-Presumptive to the Thrown
ARTHUR CALDWELL DOWNES

Envoy: Extraordinary to Wellesley
PAUL PEACHAM McCLEARY PAINE*

Committee on Embroidering Monograms
ADDISON FRANCIS HOLMES

On the Waiting List
HERBERT WILLARD GODDARD

Among those Present

Charles Stillman Sperry, Jr. Arthur Osborne Roberts John Earl Cunningham Currier Lang Everett Osgood Hiller Evarts Wilson Charles

Ralph Osborne Ingram

^{*}Late Mirror Tester with the Paine Furniture Company.



OBJECT: The object of this Club is to raise the standard by means of oxidization of oil.

MOTTO: "We're oil right."

CONSTITUTION: Section 1, Article 1. In order to become eligible to this organization, a member must spend as much time in study as is required according to the catalogue, plus a constant.

Section 1, Article $\frac{2}{3}\sqrt{3}$. To the member making the best record, a copy of the log. tables will be given.

Members of the Corporation

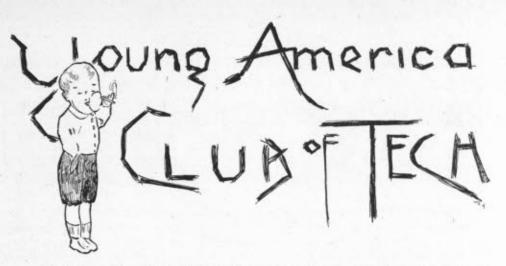
Amasa Maynard Holcombe Carl King William Newman Todd

Harry Herman Cerf Fred Hall Wilder Harry Fordham Noyes

Walter Stanley Brown

Chaplain
DON LOOMIS GALUSHA

Guardian of the Drawing Room
WILLIAM LESLIE DOTEN



OBJECT: The object of this Club is to prove to the world that we have found the Fountain of Eternal Youth.

CLUB FLOWER: Grass. CLUB COLOR: Grass.

President . . . JOEY CROWELL

Vice-President . . WILLIE CHANDLER

Secretary . . ERNIE CALKINS



Members

Allie Courtney Charlie Br

Charlie Broad Eddie Cooper

Ernie Rupf Emmie Cockrill

Georgie Fairfield

Ralphy Hayden

Georgie Bates

Committee on Throwing Crasers

Ernie Calkins

Willie Chandler

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[Name founded in 1570 by Sir Francis Drake.]

OBJECT: Original research.

MOTTO: Whatever is worth seeing at all is worth seeing well.

CLUB FLOWER: Sunflower

CONSTITUTION: Our constitution shall follow the Tech flag.

Chief Modulus of Clasticity

HAROLD HOWARD GOULD*

Second Modulus

FREDERICK SANFORD ANDERSON*

Little Mobuli

Joseph Cheney Baker Alden Glover Drew Charles Henry Drew, 2d Herbert Percival Hollnagel John Howard Draper* Otis Dwight Fellows, Jr.

Committee on bolding Down the Rogers Steps
HERBERT KINSLEY DRAPER

Missionary to Foreign Lands

DMITRI ALEXANDER BARY*



*Absent.

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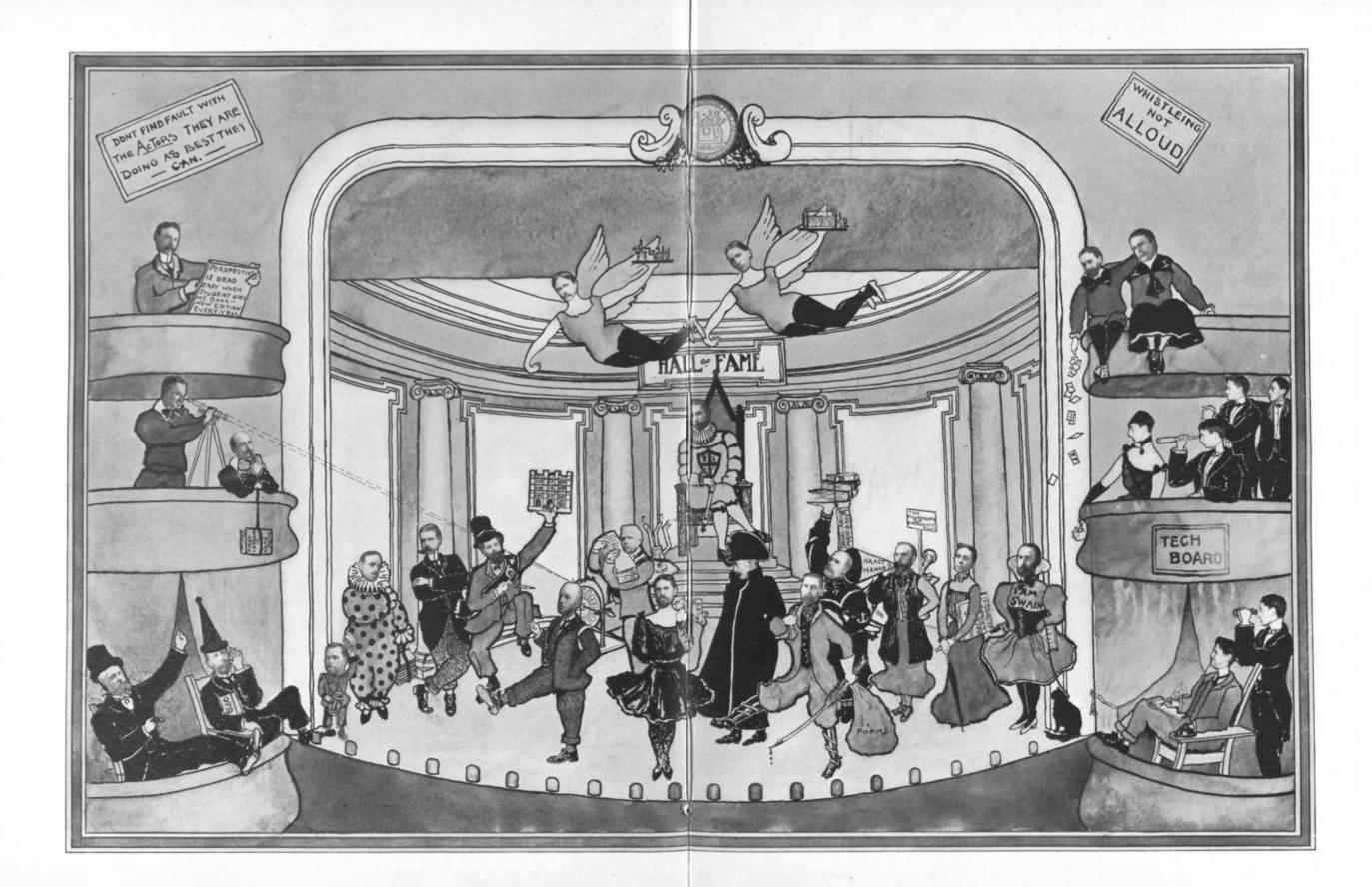
The Profs.' Show

From The Chelsea Bladder

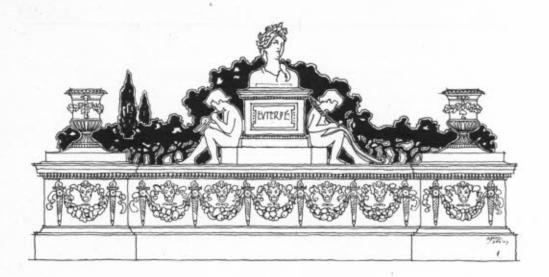
AST night a small but appreciative audience witnessed the initial performance of Wagner's immortal opera, "Longreen", or "Money is no Object to Us", as played by the professors of the Massachusetts Institute of Technology. The performance which is staged under the direction of Jack the Janitor, was in aid of Poor and Needy Students Who Have Become Impoverished by Buying Books and Notes at Canal Street Prices. "The Tech" Press Club occupied two boxes on the right; the other boxes were filled with faculty parties. Promptly at eight o'clock the rest of the audience came in and seated himself and the curtain was immediately rung up. In all the writer's experience as a theatrical critic he has never seen such enthusiasm on the part of the actors to carry out the plot. Each and every one on the stage did so well, that it would be treason to single out any one for special praise. The subtle and scathing sarcasm of Arlo Bates was truly great in that magnificent and tremendous scene in which he tells Esmeralda that she must act more like a lady. Billy Baird as the Little Corporal showed us what he really could do when goaded to desperation. The dry humor of Theodore Dippold in his Stein Song was actually hygroscopic. But the hit of the evening came when Cecil Peabody gave his great rendering of "See the Little Angels." The shells were afterwards swept up.

The chorus was composed principally of members of the instructing staff. The French Ballet by Dike and Erhardt was very chic! and the duet "Be My Queen" by "Henrietta" Burrison and Linus was very well received. The music was exceptionally good and when Harry Clifford sang his great Love Song in F flat without once touching C, he received such tremendous ovation that he repeated it in double F. Getty's sweet voice, aptly called mezzo-soprano-basso-profoundo-graino-hello with just a tinge of canary in it, added to the excitement. The flying ballet "piked" from "Sleeping Beauty" was beautiful.

When the last curtain went down, the delighted audience left, a better man for having seen the show. Score of the opera can be procured at Mac's at regular prices.







VERSE

The World Moves

SHALL TECH LEAD OR FOLLOW?

There's a whisper in the air, you can hear it everywhere: The Institute is soon to move away from Copley Square. In the country it will rise to an unexampled size, With a beauty and completeness that will win a world's surprise.

There'll be student-houses, then, made to fit a thousand men, And a hundred things beyond the mere description of a pen. There'll be storage-houses new, and a real gymnasium, too, And a laundry, and a Union, and—a thousand things to do.

The Walker building here will be sold—and disappear—And in its place a business block the purchasers will rear. The Rogers building's walls will be gutted of their halls And refitted in a manner to respond to modern calls.

The antiquated gym will be put in railroad trim; The shops will be devoted to an automobile whim. Engineering, Lowell, Pierce, in the money-making hearse Will be carried to the graveyard of a factory—or worse.

But the new Tech will regale all the hearers of the tale—'Twill be twice as large as Harvard, and three times as large as Yale. There will be a campus wide, and a training field beside, And everything that makes the Institute a fellow's pride.

And the population there will be quite beyond compare With the meagre fifteen hundred now allotted as our share; And each course as big will be as the present M. I. T., And a Bachelor of Science may become a Ph.D.

In the comprehensive look, everything is brought to book—All are destined to improvement from our Prexy to the Cook. The Lunch-room Sovereign's in, and Thompson's bound to win, Even Israel Spinoza's bread is buttered far from thin!

Now it all seems pretty nice—it seems cheap at any price—Yet there is a point on which we'd like a little more advice. The thing we have in mind is the students' plug and grind—'Tis that which makes Technology—it must not be left behind.

If expansion means decay, we must turn the other way— 'Tis quality, not quantity, that makes this business pay. If it's possible to plan to preserve the real Tech man, We'll move faster than the earth does—but we must be in the van.



My Clective

I work like the devil from nine till four, For I'm taking the regular course; And when I get home I study some more 'Bout physics and lines of force.

My tabular view is so arranged
That I haven't an hour to spare,
For though it contains some blanks, I get
Some Physical Lab. in there.

The effect of this grind is narrowing,
As culture it is punk,
For you're apt to forget there's something yet
Besides "C" and a "P" and a flunk.

But I have a way of broadening it, I take an elective, I do, I go to see Mollie (just once in a while), Though she's not on the tabular view.

I never think of taking notes
(Though I often take some Huyler's),
Her lessons I never would willingly cut
(Though I once in a while cut Tyler's).

I think I'll come out with a good report In my elective new, For of all my studies I like it best, Though it's not on the tabular view.

September

In a cool little cove, not far from the sea,
Where low, drooping boughs shield the sky,
And float o'er the wave ripples, playful and free,
My boat and I tranquilly lie.

I hark to the sound of the soft-blowing breeze As it lingers above, and I hear The laughter of birds and the secrets of bees, Unconscious of evesdropper near.

And now in the forest a quick, passing tread And animal panting I hear; And again 'tis the chatter of squirrel o'erhead, Or the rush of a fleet, timid deer.

And ever the quarrel of wave with my boat, Or the laughter of wave with the shore, Come ceasless and musical where, as I float, The sea brings its far away roar.

And happy, contented in Paradise, I
Lie deep in contentment's domain,
'Till sunset bears message, with wavering sigh—
Technology calls me again.

Arlo's Beard

The youngest of his heirs and yet by far the most ferocious; His junior by full thirty years, but fearfully precocious!

"Upon the face of it" we see what brought it to its ruin: Shear recklessness most plainly was the cause of its undoing.

And when it went, 'twas bit by bit—though 'twas not bit all at. "Oh stay," cried Arlo: it declined: hence its decline and fall.

This epitaph should grace its stone, enduring age and weather: "United we hang, divided we fall: would we had hung together!"

It would have been immortal, had it been a little stronger; The longer that it lived, we knew that it would live the *longer*.

Now Arlo's said a lot, we knew how much depended on it, For all his chin, we never thought how much depended from it.

We thought his beard excelled; but no—'twas exiled for its showing. 'Twas not becoming, so he thought, and so it must be going.

His barb to barber Arlo brought, and told him what to do. The barber took the hint and thought it was a barber-cue.

It was with greed he slew that beard, and Arlo had agreed, That barber was too barberous to barber us, indeed!

It was a pang that Arlo felt when it was parted from him— Quite different from the feeling when he had it parted on him.

A superstitious thought was ours, since first we thus had seen them: The beard is gone; 'tis plain to see, a knife had passed between them.

We saw it Fail, we saw it Low; Deficient, too, we read it. And now at last we see it Pass; and Arlo has the Credit.

For many years it lived its life: then, cut down in its prime, It went to faces of the dead, who know eternal time.

Perchance it rests upon the chin of Cæsar, now, or Cato; Perchance it graces Xenophon, or trims the face of Plato.

However that may be, we pray the Shade may kindly spare it, And Arlo have a mind again to *shade* himself and wear it.

Homo Sapiens

Or, What Milton Would Habe Written Had He Come to Tech

Dedicated by the Manufacturers to PROFESSOR SEDGWICK

Man, wondrous creation, noble and sublime,
Of structure strange, of tissues differentiate,
Protoplasmic culmination, morphologically divine,
Proteid stuff, by death coagulate,
What mighty physiological agent
Rules thy vast material conglomeration?
What reaction, preponderously potent
Propels thy metabolismic consummation?
Not on precious stones and metals rare
Is thy priceless structural anatomy founded;
Of the earth thou'rt earthy, truth is bare,
Clay thou eatest, and of that compounded;
For the ante-mortem peck of dirt's not fiction,
And cabbage is but dirt glorified past contradiction.

What Richard Lovelace would Habe Written

Tell me not, Sweet, I am unkind,
That from the company
Of thy sweet self and quiet mind
To Tech and Mac's I fly,
For this inconstancy is such
As you, too, shall adore;
I could not love thee, dear, so much
Loved I not B. S. more.

Elliot '05

Should you ask me whence these stories? Whence these truths stranger than fiction, With the oders of the cod-fish, With the dew and damp of Freshmen, With the curling smoke of rifles, And their wild reverberations As of Thunder in the Armory? I should answer, I should tell you, "From the land of the tin soldier, From the great city of Gloucester, From the land of fish and sailors, From the land of F. S. Elliot, Where the cod-fish, Bay State's symbol, Feeds among the rocks and ledges. I repeat them as I heard them From the lips of the tin soldier, F. S. Elliot, the SOLDIER."

The class of '05 was formed Soon into a great battalion, And they drilled on every Wednesday, In the Irvington street Armory. And the mighty Elliot saw then A great chance for his ambitions. Then he went to Captain Baird, Colonel over all the Freshmen, Colonel of the great battalion, And a captain in the army. And he said, "O Captain Baird, Let me take your place of honor, I am well equipped and able, And can do the work, I know it! For in Gloucester, where I came from, I was lord o'er all the High School, Mighty in the eyes of all men, And can take your place with credit!" Then spoke Baird, the great commander: "You're but one in this great number Of unheard-of Freshmen children, And I must observe your merits, Therefore in a squad I place you." And the Gloucester king was humbled.

Soon the Freshmen had a banquet, And the Captain with the moustache Gave himself the place of honor, Toastmaster was he that evening. On the day before the dinner, Out upon the street he wandered, With a wish for fame within him; For he wished it known to all men That he was honored among Freshmen. Then his well-laid plans succeeded, He was seized by several Soph'mores, Right into a cab they threw him, Out of reach of all the Freshmen, To be safe until the morrow. Then his knees beneath him trembled, And he whimpered like a woman, While the Soph'mores there before him Taunted him in loud derision, Spake disdainfully in this wise: "Hark you, Elliot! you're a coward And no captain as pretended, Else you would not cry and whimper Like a miserable woman!"

And still later, when the spring-time Came, it found him then a major, Major of the Tech battalion, Major of the M. I. T. corps. Then the corps came from the Armory, Wandered out upon the streets then There to have their picture taken. To the beauteous Walker building, Then he turned to the battalion, Speaking with a voice majestic, Warning, chiding, spake in this wise: "O my children, my poor children, Listen to the words of wisdom, Listen to the words of warning. Steady, fellows, do not move now." And the Major faced the camera. Speaking to the operator, With a look of pride upon him, With his chest adorned with medals, With a voice no less commanding, "Let her go now, I am ready!"

The Bohemian Student

I dreamed that I went to Technology
With Tyler and Profs at my side,
And of all who assembled within those walls
That I was the hope and pride.
I had C's too many to count—could boast
That flunks to me never came.
And I also dreamed—which charmed me most—
That Faunce loved me still the same.

I dreamed that Maclachlan put books in my hand,
That Rand upon bended knee
And with vows that no real engineer could withstand
He pledged all his money to me.
And I dreamt that one of this noble host
Was the cause of my undying fame;
Yet I also dreamed—which charmed me most—
That Faunce loved me still the same.



Savings

"A miss is as good as a mile," they say—
If she's pretty and young I agree;
But a Co-ed's as good as a thousand miles—
If the miles are between her and me.

"There's many a slip 'twixt the cup and the lip,"
Is an ancient and obsolete law;
A close application of logic will show
That the moral is plain—use a straw

"Learn to say No," and see that you say it
When answ'ring a question as such:
"How many beers will you stand for, old sport?"
Say it—but say it in Dutch.

"The eyes are the windows of the soul," you know
Is brimming full of allegory rare;
If it's true that her eyes are only windows, Jack,
May she never hang the ice-card there.

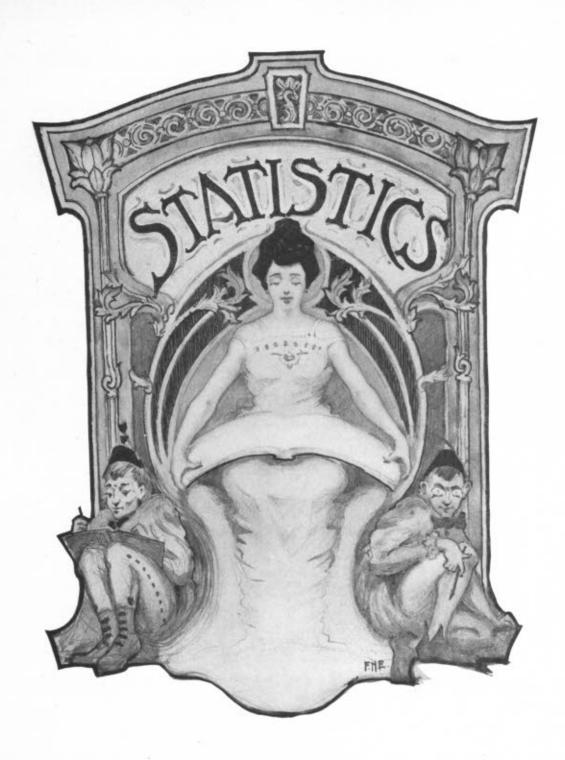
"Bread cast on the waters returns again,"
You may sometimes declare tommyrot;
But cast it on soup in some cheap restaurant,
And you'll readily see that it's not.

"Faint heart never won fair lady,"
May be true as truth itself—and yet
What matters it how faint your heart is
When your Juliet's a dark brunette?

"Haste makes waste," I ventured to say, As I lingered yet longer with Sue. "If that's the case," she quickly replied, "I wish it would make me a few."

"Tis better to give than receive," perhaps, And not only better, but best. Methinks I imagine a reader yell out, "Then for heaven's sake give us a rest."





Instructing Staff for the Pear

1902 = 1903

SUBJECTS	Professors	Associate Professors	Assistant Professors	Instructors	Assistants	Total	Lecturers	Total 1902-1903	Total 1901-1902
Architecture	2	1	0	1	0	4	8	12	15
Biology, Zoology, etc.	1	0	1	5	0	7	1	8	13
Chemistry	3	1	8	10	8	30	7	37	32
Civil Engineering	4	O	I	6	4	15	0	15	14
Drawing and Descriptive Geometry	0	1	0	5	4	10	0	10	10
English, History and Political Science	3	0	2	4	2	11	0	II	11
Language	2	1	0	5	1	9	0	9	7
Mathematics	3	1	- 3	5	0	12	0	12	11
Mechanic Arts	0	0	0	3	4	7	0	7	7
Mechanical Engineering and Applied Mechanics	2	4	3	3	8	20	0	20	19
Military Tatics	1	0	0	0	0	1	0	1	2
Mineralogy and Geology	1	1	1	1	2	6	1	7	5
Mining, Engineering and Metallurgy	2	0	1	1	4	8	0	8	9
Naval Architecture	2	0	0	1	2	5	0	5	4
Physics and Electrical Engineering	2	2	5	3	8	20	1	21	31
Gymnastics	0	0	0	1	0	1	0	1	1
Total 1902-1903	28	12	25	54	47	166	18	184	
1901-1902	29	9	25	49	36	148	42		190

Summary of Graduates by Courses

YEAR	Civil	Mechanical Engineering	Mining Engineering	Architecture	Chemistry	Metallurgy	Electrical Engineering	Natural History or Biology	Physics	General Course	Chemical Engineering	Sanitary Engineering	Geology	Naval Architecture	Total
1868	6	1	6	0	0	0	0	0	0	1	0	0	0	O	14
1869	2	2	0	0	1	0	O	0	0	0	0	0	0	0	5
1870	4	2	2	0	1	0	0	0	0	I	0	0	0	0	10
1871	8	2	5	0	2	0	o	0	.0	0	0	0	0	0	17
1872	3	1	5	0	3	0	0	0	0	0	0	0	0	0	12
1873	12	2	3	1	7	0	0	0	0	1	0	0	0	0	26
1874	10	4	1	I	0	0	0	0	0	2	0	0	0	0	18
1875	10	7	6	I	I	0	0	0	I	2	0	0	0	O	28
1876	12	8	7	0	5	1	0	2	3	4	0	0	0	0	42
1877	12	6	8	4	2	0	0	0	0	0	0	0	0	0	32
1878	8	2	2	3	3	0	0	0	0	1	0	0	0	0	19
1879	6	8	3	I	3	0	0	1	1	0	0	0	0	0	23
1880	3	0	3	0	1	0	0	0	0	1	0	0	0	0	8
1881	3	5	3	3	8	0	0	1	0	2	0	0	0	0	28
1882	2	5	5	3	6	0	0	1	1	1	0	0	0	o	24
1883	3	7	5	1	. 3	0	0	0	0	0	0	0	0	O	19
1884	5	7	13	0	12	0	0	0	0	0	0	0	0	0	36
1885	4	7	8	2	4	0	2	0	0	1	0	0	0	0	28
1886	9	23		1	7	0	10	1	0	I	0	0	0	0	59
1887	10	17	78	1	9	0	8	1	1	3	0	0	0	0	58
1888	11	25	4	5	10	0	17	3	1	1	0	0	0	o	77
1889	14	24	5	3	8	0	17	1	1	2	0	0	0	0	75
1890	25	28	3	5	13	0	18	3	2	6	0	0	0	0	103
1891	18	26	4	6	11	0	23	3	3	1	7	0	1	0	103
1892	22	26	4	13	7	0	36	6	1	7	4	6	1	0	133
1893	25	30	5	2	8	0	41	2	0	6	8	0	2	0	129
1894	21	31	4	14	11	0	33	I	3	5	12	3	0	0	138
1895	25	30	3	15	14	0	33	0	2	4	II	4	0	5	144*
1896	25	34	10	24	17	0	48	3	3	7	7	4	3	5	189*
1897	25	40	7	16	20	0	33	2	3	7	12	4	1	9	179
1898	32	41	7	29	26	0	33	3	4	6	9	3	0	7	200
1899	30	38	ó	22	21	0	32	2	2	I	9	I	0	8	173*
1900	32	33	20	21	16	0	22	3	3	5	11	4	0	9	184
1901	37	39	17	21	17	0	25	I	I	16	14	4	1	16	199
1902	24	46	15	18	14	0	35	5	3	3	9	7	0	14	193
Totals Deduct		606 cou	220 nted	236 twice	291 ce	1	466	45	39	88	113	40	9	73	2,725 14
	Ne	et To	tal												2,711

^{*} Deducting names counted twice

Percentage of Graduating to Entering Students

CLASS OF						Number Entering as Regular First-Year Students	Number Graduat- ing with Same Class	Percentage Graduating
1869	40	190	100			58	5	8.6
1870						54	10	18.5
1871		- 8				50	17	34.0
1872		- 9				63	12	19.0
1873	2.5		100			71	26	36.6
1874	100	190				82	18	22.0
1875				9		112	28	25.0
1876						59	42	71.2
1877		4.1	2.9	- x-	7.4	35	32	91.4
1878	1000		100		100	65	19	29.2
1879						31	23	74.2
1881	980	93		*		47	8* } 28† }	76.6
1882						34	24	70.6
1883						34	10	55.8
1884		0		100		62	36	58.1
1885			5.00	140		86	27	31.4
1886						114	59	51.8
1887		5				140	58	41.4
1888				4	98	186	77	41.4
1889	7.4		1.9	* 1	5.8	177	75	42.3
1890			2.4			190	102	53.8
1891		6		+		229	103	44.8
1892	200	100	134	4		245	133	54-3
1893	0.0	3.5	338	+3		255	129	50.6
1894	317			• /		234	138	58.9
1895			10	2.1		258	144	55.8
1896		3.0	- 19	90		303	188	62.1
1897	13	*	2.5	50	1.5	301	179	59-5
1898				*		271	200	73.9
1899	0		10			266	173	65.1
1900	14		1.0	4.0		263	184	70.0
1901		33	1.5	*		277	199	71.8
1902		*				301	193	63.8
		Ave	erage	100			50.4 per cent.	

The percentages are somewhat high, due to the number of students entering from other colleges in the second, third and fourth years.

^{*} Graduated under Three-Year Course

[†] Graduated under Four-Year Course

Items of Interest

HE WALKER MEMORIAL FUND now amounts to \$110,-071.50, of which \$69,226.92 has been paid in. Of the classes, '87 has contributed the most, '85 second, and '01 a close third. In all, 1,956 persons have subscribed to the fund.

The increase of students this year over last is 659. Four hundred and eight were admitted to regular first-year standing; and of these, 316 were admitted clear, 75 with one condition, and 17 with two conditions.

Of the 1,608 students registered this year, 935 are from Massachusetts, or 58 per cent of the whole. Forty-one states, one territory, the District of Columbia, and sixteen foreign countries send men to the Institute.

The ratio of instructors to students is I to 9.7.

Course II leads in the number of students in any course, with 133 enrolled. Course I has 129 men, and Course VI 118 men.

There are 161 graduates of the Institute or other colleges attending the Institute this year.

The average age at entrance is 18 years and 10 months this year. Three men were between 16 and 16 1-2 years on entrance last fall, and 2 were between 20 and 20 1-2 on graduation last spring.

There are 63 co-eds this year, 46 being special. There are 12 regulars in the upper classes. Courses VII and IV are the favorites, though V has a number of adherents.

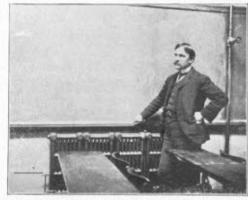
The libraries of the Institute contain 60,727 volumes and 16,682 pamphlets, a net increase of 3,309 volumes and 403 pamphlets over last year.

The division of the students is as follows, 28 per cent. of the whole being special:

			Class						Regular	Special	Total
Fellows and	(radi	uates	of	the	M.	I.	T.	17	100 100 100 100	17
Fourth Year									195	95	290
Third Year						14			230	130	360
Second Year				*	7.5	1.0	9	¥3	278	184	462
First Year			32						433	46	479
Total			200		40	3		4.5	1,153	455	1,608

'04 Statistics

HE list of questions and statistics which was sent to each member of the Junior class met with a warm reception and ready answers. In a number of cases, such as class sport and worst grind, the vote was extremely scattered, and the man who received the highest vote received perhaps only ten or fifteen votes, while there were twenty or more candidates for the position. The averages can be counted on as fairly satisfactory, with the exception of the rising and retiring hours, where answers of oc, O, V10 ax, and the like had to be taken into consideration.



"I DO NOT GIVE YOU THIS WORK BECAUSE I THINK IT IS WILDLY EXCITING, BUT JUST TO KEEP YOU BUSY IN YOUR SPARE MOMENTS"

In age we average 21 years, 6 months, 12 days, 4 hours, 38 minutes 3 seconds (corrected for barometric pressure), with Howard at a maximum of 28 years, 1 month, and "Kid" Powell at a minimum of 18 years, 11 months.



CURTIS CROSSING ENGINEERING ALLEY ON A SNOWY DAY

The weight ranges from our fat man, Wood, at 210 pounds, down to 118 pounds, making an average of 147.4 pounds. The Carty brothers' weight varies with temperature and pressure, while Cockrill's changes after each bath and haircut.

The height starts with Hollnagel as high man at 6 feet 4 inches, and ends with Fred Pirie, who has 63 inches to his credit; the average being 5 feet 8 inches.

The average retiring hour is 11.9.7 p. m.; though Kemper doesn't go to bed at all, but gets up at 7 a.m.

The average rising hour

is 7.26.20 a.m.—notwithstanding the fact that Farnham doesn't get up until kicked out. Porter gets up at 6 a.m. to make a nine o'clock on time.

Evidently there are four most popular professors, for Professors Clifford, Burton, Merrill and Wendell received practically the entire vote, which is exactly divided between them. The Statisticians do not feel competent to referee this contest, and can only express their opinion that each is a "good man and true" and well worthy of the title.

Professor Clifford seems to be considered the handsomest professor by the majority, though several men in the class claim they haven't discovered one yet. Kaiser thinks "they all look handsome (in the dark)," while Haar votes for Tommy Pope.

The most efficient gas producer was, for a time, a close race between Professors Currier, Bates and Cross, but on the home stretch the former won out by a long distance.

Reactions are: CO_2+H_2S + $KCN+SO_2+K_2S$ (H_1, S^{∞}) $O_{11}K-_5/_{H^{20}}CDN$ pr = ROT. "The reaction was to put me to sleep."—Whitmore.

Aside from several claims that the wittiest professor "non est," Harry Clifford has scarcely any rivals. Leh thinks Charlie Cross is the wittiest. What is his idea of wit?

Blackie tries to be the wittiest professor, though he has a close rival in C. Cross.

The most imposing figure on the lecture platform



POPULAR? WELL, I GUESS HE'S IT

is without any doubt Arlo Bates, when he shows his contempt for the tumultuous applause evoked by his remarks. Dewey also is considered imposing by some, as, with one hand in his pocket, he writes 10—8=2.

In eccentricity we have a large number of competitors, though Charlie Cross (at last) seems to be the favorite. NOTICE!—One man declares that the eccentricity =2", and this accounts for the irregular motion of Charlie's head while lecturing.

The three Faculty "Saints," whose names are immortally stamped on our memories, are the members of the Faculty most dear to us:

Professors Faunce, Bates, and Cross. To them we dedicate a window in our HALL OF FAME.

"Tot" Homer gets the most popular man by a tremendous majority. Frankie Farnham thinks he is the most popular man, but, sad to say, nobody seems to agree with him. Peculiar, isn't it?



TWINS

For favorite athlete the best thing we can do is to give the figures. They speak for themselves. George Curtis wins with 99 votes and his nearest competitor has 4 votes. "Cy" Ferris tried to run an opposition to Curtis, but something missed cue. What struck Lang in this vote?

Six minutes after the hour, the same familiar figure is always seen rushing into a lecture. Nobody has ever seen him on time yet. Who? Why, A. P. Porter, the laziest man in the class.

The worst grind goes to Wilder with Haar a very close second. The fellows don't seem to appreciate Hollnagel's efforts to get this enviable position.



A BLUE-RIBBON FUSSER IN A NEW ROLE

The biggest sport contest was carried on among about every-body in the class, and there were not enough votes for any one man to warrant anybody winning. Edes shows up fairly strong. Undoubtedly he has some friends who are jokers (?).

Downes and Goddard are tied for biggest fusser, though Charlie Homer and Paul Paine deserve 'bery' honorable mention. We hear Paul has serious leanings Wellesley way, and makes frequent visits there. Charlie has "friends" all around and has thought seriously of hiring a stenographer to aid in his correspondence. Goddard's book on "How toWin Girls" is recommended as profitable and instructive. There is no doubt about the most conceited man, for our friend Selby Haar wins hands down. One man says, "Haar is most conceited. He thinks he knows more than Kaiser." Selby's favorite quotation is: "Would some power the gift would gie us, To see ourselves as ithers see us!"

For class heathen there were a number of candidates who made a hard race for the place. Fairfield won out finally with Pete Underhill a close second. Pete

has an "idol" on The class picked about two cane spree. His when he stole the tution, and now it announce to the man, Howard sweater).

The best legworth, with and "Pret" Smith Downes seems to place from his heard remark,

The Siamese never in any



REGGIE

Wellington Street.
Freshman was
years ago after the
place was pinched
1905 Class Constiis our pleasure to
world our FreshGould (+ his

puller is Went-Downes second, a close third. have gained his already too-often-"Got a cigarette?" Twins vote was doubt, and Haar and Kaiser came out smiling (as usual) on top. Three cheers for Corporal Haa! Haar! and Hoch der Kaiser.

The member of the class who has brought greatest honor to the class was unanimously declared to be our honored and beloved President,

Dr. HENRY SMITH PRITCHETT, 1904.

The opinions on the Registration System were to a large extent unfit for a book that ladies read, but they all expressed the same sentiment. One

A HEATHEN AT WORSHIP

man says, "It looks like some prehistoric remains," and that seems to express the sentiments of a good many.

Why did you come to Tech? is a question that met with varied answers, but one stands out pre-eminently, "So I would not mind going to H-1." Many fellows seemed insulted at the question, and replied, "None of your business"-an answer which we hardly believe they gave on their Freshman one-page themes. Holcombe says he came because his grandfather would have been a Tech man if he had not died before the Institute was founded. "Harvard wasn't good enough for me, and Wellesley wouldn't have me," says Ferry. Stavely Hamilton ventures the remark, "To work." "Because of the glory I knew I was going to win here in athletics," is Currier Lang's comment.

The best thing you have done here was a difficult question to answer for most of the class, but it didn't take Pirie long to find out that the best thing

he has done is "cheated Andrew Maclachlan out of nine cents." Gould agrees with the rest of the class that the best thing he has done is that he won a cane spree (and a sweater which he has worn ever since, day and night). Holcombe "bought a fountain pen at Mac's, and had it filled free!" Bouscaren's best was making the Mechanical Engineering Society, and W. L. Cronin got his face in the Junior Class picture.

Porter says the worst thing he has done here is "to learn to save time by cutting the first five minutes off of every lecture (this is no joke)". Langley smoked "Kommer's" tobacco, and the result was nearly fatal; while Clarence Williams' worst deed was to subscribe to the "Tech." There's a fine exhibition of college spirit for you! Kaiser laughed at one of C. R. Cross's stale jokes in Physics. "Doc" Hill says the worst thing he has done is to associate with "Tox" Dow.

The best things that are going to be taken away would fill a large volume (Applied, for instance), but a few will suffice. Charlie Rodgers considers FREE HAND CHARLIE'S PLATES his most valued possession, but Todd goes to the other extreme and says the best thing he will take away is "a co-ed if all others fail me." Clarence Williams redeems his reputation by answering "1904 TECHNIQUE," and he is not alone in giving this answer. Many think their own remains will be the best thing they will take away, but Gould says his is "the ability to put up a good bluff." Yoder considers this his best souvenir:

Hr. Goder

Your mark on the recent informal examina-

tion in Railroad Engineering is

And J. R. Sanborn this:

Secretary of the Faculty.

The vote for favorite theatre was very close between the Hollis and the Castle Square, but the Nickelodeon has many admirers.

The greatest needs of Tech are many and varied, but a great many agree with Haynes when he says, "Moving sidewalks, stairs and elevators." "A free coinage of C's and a prohibition of F's" is a sentiment agreed to by many. Porter thinks "a clean towel in the toilet-room" is the greatest need, while Fremmer's vote is for a "sweat-shop license." C. B. Williams wants some more pretty co-eds. A large number want more broad-minded men on the Faculty.

The majority of the class swear by Dean Burton though Professor Merrill

also has a strong following.

Most everybody has his own particular favorite Prof. to swear at, and there doesn't seem to be any special choice. J. R. Sanborn says he doesn't swear, but gets Eager to swear for him at Harry Clifford.

A few of the most painful experiences undergone at Tech by some 1904 men are worthy of record:

"When hit in the eye by a snow-ball when the Prince was here"— C. L. Homer.

"The exam. the day after Thanksgiving" - G. A. Curtis.

"Hearing my name pronounced by the Profs. and instructors." - L. G. Bouscaren, Jr.

"Trying to look intelligent during a lecture in Heat." - Walter Whitmore.

"Waiting for Mr. Smith at the shops to stop talking and say something."—W. M. Carty.

"The time I picked up a co-ed."-

"Trying to feel warm during one of Dana P's smiles." - G. K. Kaiser.

"An interview with the Sondericker Phonograph Company." - C. Lang.

"Eating at Tech lunch."- H. A. Hill.

"Having been at the Institute a week before learning of the existence of Chapel."— B. Blum.

"Sat on a thumbtack."- J. A. Fremmer.

"Digested a Thanksgiving dinner and a Descript. exam. at the same time."—H. L. Pierce.

"Contemplation of the method of locomotion of some of the co-eds."—E. P. Tripp.



Concerning the Colleges

Name	Location	Founded	- President	
Albion	Albion, Mich.	1861	Samuel Dickie, M.S., LL.D.	I
Amherst College	Amherst, Mass.	1821	George Harris, D.D., LL.D.	2
Armour Institute	Chicago, Ill.	1893	Frank Wakeley Gunsaulus, D.D.	3
Barnard.	New York, N. Y.	1880	Laura D. Gill, A.B., LL.D. (Dean)	4
Bates College	Lewiston, Me.	1864	George C. Chase, D.D., LL.D.	5
Boston University	Boston, Mass.	1860	William Fairfield Warren, D.D.	6
Bowdoin College	Brunswick, Me.	1704	William DeWitt Hyde, D.D., LL.D.	7
Brown University	Providence, R. I.	1764	William H. Perry Faunce, A.M., D.D.	8
Brvn Mawr	Bryn Mawr, Pa.	1880	M. Cary Thomas, Ph.D., LL.D.	9
Bucknell University	Lewisburg, Pa.	1846	John Howard Harris, Ph.D., LL.D.	10
Case School of Applied Science	Cleveland, Ohio	1880	(Vacant)	11
Clark University	Worcester, Mass.	1889	G. Stanley Hall. Ph.D., LL.D.	12
Colby University	Waterville, Me.	1818	Charles L. White, A.M.	13
Colgate University	Hamilton, N. Y.	1819	George Edwards Merrill, D.D., LL.D.	14
College of the City of New York	New York, N. Y.	1847	Alexander Stewart Webb, LL.D.	15
College of William and Mary	Williamsburg, Va.	1693	Lyon G. Tyler, M.A., LL.D.	16
Colorado College	Colorado Springs, Col.	1874	William Fred. Slocum, D.D., LL.D.	17
Columbia University	New York, N. Y.	1754	N. M. Butler, LL.D. (acting)	18
Columbian University	Washington, D. C.	1821	Samuel H.Greene, D.D., LL.D. (acting)	19
Cornell University	Ithaca, N. Y.	1865	Jacob Gould Schurman, P.Sc., LL.D.	20
Dartmouth College	Hanover, N. H.	1769	William J. Tucker, D.D., LL.D.	21
De Pauw University	Greencastle, Ind.	1837	Hillary A. Gobin, A.M., D.D.	22
Dickinson	Carlisle, Pa.	1783	George Edward Reed, S.T.D., LL.D.	23
Drake University	Des Moines, Iowa	1891	William B. Craig, D.D., LL.D.	24
Fiske University	Nashville, Tenn.	1866	James G. Merrill, D.D.	25
Georgetown University	Washington, D. C.	1789	John D. Whitney, S.J.	26
Girard College	Philadelphia, Pa.	1848	A. H. Felterolf, Ph.D., LL.D.	27
Hamilton College	Clinton, N. Y.	1812	Melancthon W. Stryker, D.D., LL.D.	28
Harvard University	Cambridge, Mass.	1636	Charles William Eliot, LL.D.	29
Hobart College	Geneva, N. Y.	1822	Robert Ellis Jones, A.B., S.T.D.	30
Johns Hopkins University	Baltimore, Md.	1876	Ira Remson, LL.D.	31
Lafayette University	Easton, Pa.	1832	Ethelbert D. Warfield, LL.D.	32
Lehigh University	South Bethlehem, Pa.	1866	Thomas Merringer Drown, LL.D.	33
Leland Stanford, Jr., University	Stanford University, Ca	1. 1891	David Starr Jordan, LL.D.	34
Marietta College	Marietta, Ohio	1835	Alfred Tyler Perry, A.M., D.D.	35
Mass. Institute of Technology	Boston, Mass.	1865	Henry Smith Pritchett, Ph.D., LL.D.	36
Mount Holyoke	South Hadley, Mass.	1837	Mary E. Woolley, A.M., L.H.D.	37
New York University	New York, N. Y.	1831	Henry M. MacCracken, D.D., LL.D.	38
Northwestern University	Evanston, Ill.	1851	Edmund Janes James, Ph.D.	39
Oberlin College	Oberlin, Ohio	1833	(Vacant)	40
Ohio State University	Columbus, Ohio	1872	William O. Thompson, D.D., LL.D.	41
Ohio Wesleyan University	Delaware, Ohio	1844	James W. Bashford, Ph.D., D.D.	42
Polytechnic Institute of Brookly		1854	Henry Sawyer Snow, A.B., LL.D.	43
Pratt Institute	Brooklyn, N. Y.	1887	Charles M. Pratt	44

Concerning the Colleges

1			Inst'rs	College Colors	Annual	tional	Tuitien	incl. Endow't
	6	490	25	Pink and Green		Yes	\$24	\$445,000
2	18	404	34	Purple and White	Ohio	No	110	2,500,000
3	1	1000	34	Yellow and Black	Integral	Yes	75	3,500,000
4	1	431	50	Blue and White	The Mortarboard	No	150	726,700
5	7	293	14	Garnet		Yes	50	366,000
6		1336	144	Scarlet and White	The Hub	Yes	125	1,700,000
7	13	341	34	White	The Bugle	No	75	1,470,000
8	13	920	75	Brown and White	Liber Brunensis	Yes	105	3,086,488
9	8	417	45	Yellow and White	The Lantern	No	150	1,000,000
10	10	363	19	Orange and Navy Blue		Yes	50	430,000
II		433	31			No	100	2,000,000
12			-					
13	13	191	17	Pearl Gray	Colby Oracle	Yes	60	600,000
14	6	178	24	Maroon	Salmagundi	No	60	2,160,000
15		843	58	Lavender		No	None	842,500
16	8	184	16	Orange and White	Colonial Echo	No	35	250,000
17	12	515	34	Gold and Black	The Collegian	Yes	35	356,000
18	16	4086	384	Light Blue and White	Columbian	No	200	18,000,000
10		1372	133			No	100	
20	24	2080	366	Carnelian and White	The Cornellian	Yes	150	10,870,200
21	16	780	72	Dark Green	Aegis	No	110	3,200,000
22	7	425	18	Old Gold	The Mirage	Yes	None	250,000
23	12	384	27	Red and White	The Microcosm	Yes	65	750,000
24		1764	90	Blue and White		Yes	45	500,000
25	8	300	22	Blue and Yellow		Yes	14	400,000
26	7	546	60			No	100	3
27	13	1603	67	Steel and Garnet		No	None	15,987,583
28	II	201	21	Buff and Blue	Hamiltonian	No	75	800,000
20	64	5124	486	Crimson		No	150	10,500,000
30	II	92	17	Orange and Royal Purple	Echo of the Seneca	No	80	426,348
31	13	676	120	Black and Old Gold	The Hullabaloo	No	200	3,660,126
32	5	410	26	Maroon and White	The Melange	No	100	1,166,825
33	13	542	44	Brown and White	Epitome	No	125	2,500,000
34	33	1205	130	Cardinal Red	Stanford Ouad	Yes	20	20,000,000
35	7	300	21	Navy Blue and White	Mariettana	Yes	30	550,000
36	7	1580	181	Cardinal Red and Silver Gray	TECHNIQUE	Yes	250	3,313,059
37	16	611	58	Light Blue	Llamarada	No	100	1,200,000
38	14	1824	186	Violet	The Violet	Yes	180	3,500,000
39	12	2414	293	Royal Purple	The Syllabus	Yes	78	5,500,000
40	17	1285	77	Crimson and Gold	Hi-O-Hi	Yes	75	1,897,000
41	15	1465	130	Scarlet and Gray	Makio	Yes	45	2,500,000
42	9	974	61	Black and Red		Yes	46	1,477,523
43	2	95	22	Blue and Gray	The Polywog	No	200	600,000
44	6	3121	128	Cadmium Yellow		Yes	150	3,665,820

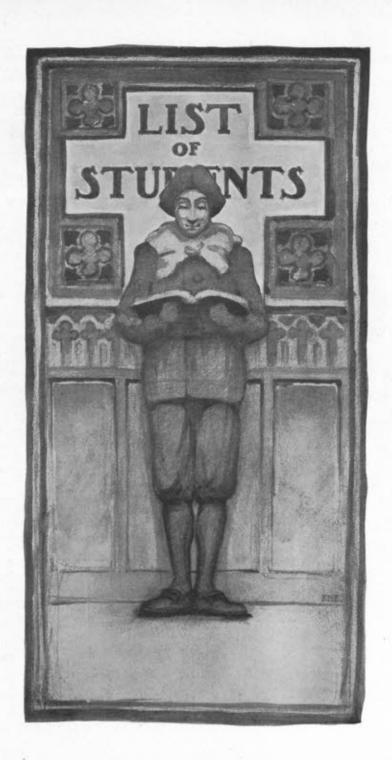
Concerning the Colleges

Name	Location	Founded	President	
Princeton University	Princeton, N. J.	1746	Woodrow Wilson, Ph.D., Litt.D., LL.D.	1
Purdue University	Lafayette, Ind.	1874	Winthrop E. Stone, A.M., Ph.D.	2
Radcliffe	Cambridge, Mass.	1879	Mrs. Elizabeth Cary Agassiz	3
Rensselaer Polytechnic Institute		1824	Palmer C. Ricketts, C.E.	4
Rutgers College	New Brunswick, N. J.	1766	Austin Scott, Ph.D., LL.D.	5
Smith College	Northampton, Mass.	1875	L. Clark Seelye, D.D., LL.D.	6
State University of Iowa	Iowa City, Iowa	1847	George E. MacLean, LL.D.	7
Stevens Institute of Technology	Hoboken, N. J.	1870	Henry Morton, Ph.D., LL.D.	8
Swarthmore	Swarthmore, Pa.	1860	William W. Birdsall, A.M.	9
Syracuse University	Syracuse, N. Y.	1871	James R. Day. S.T.D., LL.D.	10
Throop Polytechnic Institute	Pasadena, Cal.	1891	Walter A. Edwards, A.M.	11
Trinity College	Hartford, Conn.	1824	George W. Smith, S.T.D., LL.D.	12
Tufts College	Tufts College, Mass.	1855	Elmer H. Capen, A.M., D.D., LL.D.	13
Tulane University	New Orleans, La.	1834	Edwin Anderson Alderman, LL.D.	14
Union College	Schenectady, N. Y.	1795	Andrew V. V. Raymond, DD., LL.D.	15
United States Military Academy	West Point, N. Y.	1802	A. L. Mills, Colonel, U. S. A.	16
United States Naval Academy	Annapolis, Md.	1845	Capt. Bronson, U. S. N.	17
University of California	Berkeley, Cal.	1868	Benjamin Ide Wheeler, Ph.D., LL.D.	18
University of Chicago	Chicago, Ill.	1891	W. R. Harper, D.D., Ph.D., LL.D.	10
University of Colorado	Boulder, Col.	1877	James H. Baker, M.A., LL.D.	20
University of Denver	Denver, Col.	1864	Henry A. Buchtel, D.D., Ph.D., LL.D.	21
University of Georgia	Athens, Ga.	1801	Walter B. Hill, LL.D.	22
University of Illinois	Urbana, Ill.	1868	Andrew Sloan Draper, LL.D.	23
University of Maine	Orono, Me.	1865	George Emory Fellows, Ph.D.	24
University of Michigan	Ann Harbor, Mich.	1837	James B. Angell, LL.D.	25
University of Minnesota	Minneapolis, Minn.	1868	Cyrus Northrop, LL.D.	26
University of Nebraska	Lincoln, Neb.	1860	E. Benjamin Andrews, D.D., LL.D.	27
University of Pennsylvania	Philadelphia, Pa.	1740	Charles C. Harrison, LL.D.	28
University of Rochester	Rochester, N. Y.	1850	Rush Rees, D.D., LL.D.	29
University of the South	Sewanee, Tenn.	1868	Benjamin L. Wiggins, M.A., LL.D.	30
University of Texas	Austin, Texas	1883	William L. Prather, LL.D.	31
University of Virginia	Charlottesville, Va.	1825	P. B. Barringer, M.D., LL.D.	32
University of Wisconsin	Madison, Wis.	1848	Charles Kendall Adams, LL.D.	33
Vassar College	Poughkeepsie, N. Y.	1861	George Munroe Taylor, D.D., LL.D.	34
Washington University	St. Louis, Mo.	1853	W. S. Chaplin, LL.D.	35
Wash'g and Jeff'n University	Washington, Pa.	1802	James David Moffat, D.D., LL.D.	36
Wash'g and Lee University	Lexington, Va.	1749	George H. Denney, M.A., Ph.D.	37
Wellesley College	Wellesley, Mass.	1870	Caroline Hazard, M.A., Litt.D.	38
Wesleyan University	Middletown, Conn.	1831	B. P. Raymond, D.D., LL.D.	39
Western Maryland	Westminster, Md.	1867	Thomas H. Lewis, D.D., A.M.	40
Williams College	Williamstown, Mass.	1793	John Haskell Hewitt, LL.D.	41
Worcester Polytechnic Institute	Worcester, Mass.	1865	Thomas C. Mendenhall, Ph.D., LL.D.	42
Wooster University	Wooster, Ohio	1860	Louis Edward Holden, D.D.	43
Yale University	New Haven, Conn.	1701	Arthur T. Hadley, LL.D.	44
Interesting	and a series of the series of			

Concerning the Colleges

	Bldgs.	Stud'ts	Inst'rs	College Colors	Annual	Co-educa- tional	Tuition	Val. Property incl. Endow't
I	36	1354	101	Orange and Black	Bric-a-Brac	No	160	
2	22	1056	79		Debris	Yes	25	1,009,000
3	6	435	112	A STATE OF		No	200	600,000
4		240	21	Cherry and White		No	200	
5	0	222	20		Scarlet Letter	No	75	
6	23	1015	83	White		No	100	2,170,480
7	3	1542	130	Old Gold		Yes	75	888,120
8		270	22	Silver Gray and Crimson		No	225	985,000
9	6	207	22	Garnet	Halcyon	Yes	150	900,000
10	8	1806	152	Orange	The Onondagan	Yes	135	2,815,814
11		216	24			Yes	75	175,000
12	6	171	25	Dark Blue and Old Gold	Ivy	No	100	860,000
13	16	851	137	Brown and Blue	The Brown and Blu	e Yes	100	1,800,000
14	13	1020	60	Olive and Blue	Jambalaya	Yes	85	2,061,000
15	17	102	20	Garnet	The Garnet	No	75	1,147,000
16		464	71	Black, Gray and Gold		No	None	
17		333	60		The Lucky Bag	No	None	
18	13	3144	481		Blue and Gold	Yes	None	5,551,852
10	20	3520	206		The Cap and Gown	Yes	120	12,364,000
20	12	510	76	Silver and Gold	Coloradoan	Yes	20	400,000
21	5	878	114		Kynewisbok	Yes	33	800,000
22	3	1884	131	Red and Black		No	50	951,995
23	16	2665	334		The Illio	Yes	105	2,750,000
24	15	411	50		The Prism	Yes	30	1,960,300
25	10	3800	233	Maize and Blue	Michiganensian	Yes	45	2,900,000
26	30	3550	250		The Gopher	Yes	100	3,327,866
27	10	2012		Scarlet and Cream	The Sombrero	Yes	None	1,000,000
28	28	2573	372	Red and Blue		No	200	8,583,093
20	4	273	20	Dandelion Yellow		Yes	60	1,346,244
30	12	518		Royal Purple	Cap and Gown	No	100	562,952
31	6	1100		Orange and White	Cactus	Yes	None	1,000,000
32	17	600		Orange and Blue	Corks and Curls	No	100	1,800,000
33	22	2610	-	Cardinal	The Badger	Yes	None	1,500,000
34	0	798		Rose and Gray	Vassarian	No	115	2,709,000
35	9	2086		Myrtle and Maroon		Yes	150	4,609,678
36		253		any the man and a		No	20	
37	17	222	22.5	Blue and White	The Calyx	No	50	900,000
38	23	821		Deep Blue	Legenda	No	175	1,500,000
30	10	322		Cardinal and Black	Olla Podrida	Yes	75	2,089,850
1000 Tel	16			Old Gold and Olive Green	Aloha	Yes	45	150,000
40	22	250 393		Royal Purple	(CINCATORS).	No	105	1,633,002
42			7.7	Crimson and Steel Gray		No	150	1,400,000
	7	254 800		Black and Old Gold	The Index	Yes	60	700,000
43	5	2685		Blue	Yale Banner	No	150	500,000
44	40	2005	200	Ditte	a may armedist	10000	-3-	Jan 1





List of Students

Name and Society

Abbott, Joseph Robertson

Abbott, Arthur Howard

Abbott, Charles Edward

Abbott, Fred Hathaway J T J

Abbott, William George, Jr.

Adams, Charles Robert

Adams, Charles Waldo, Jr. 4 K E

Adams, Daniel

Adams, Howard Pratt

Adams, Irving Elwood

Adams, Louis Winfield & B E

Adams, Ogden Ross ∌ B E

Adams, Ralph Emerson

Adams, Walter Holbrook

Aguilar, Jose Hilario # A K

Ahumada, Miguel, Jr. 4 Y

Aldrich, Chester Stanley

Allbright, Edwin Francis

All Designations

Allen, Arthur Benjamin # 1 4

Allen, Chester

Allen, Roy Hutchins

Amberg, Arthur John & K E

Ancona, John Flinn

Anderson, Alf Edward

Anderson, Frederick Sanford

Anderson, John Wallace

Andrews, Frederick Huntoon

Andrews, William Alvin

Anthony, William Stephen

Armstrong, Fritz Albert

Armstrong, Harry James

Armstrong, Samuel Ellsworth

Arnold, Albert Heber Bailey

Arnold, Perrie Morgan

Arnold, Perrie morgan

Ashury, Louis Humbert, A.B. Ashmore, Morse Buckenfield

Atkins, George Edwin Φ B E

Atwood, Carlton Elliot

Atwood, Cariton Emot Atwood, Ichabod Francis

Ayer, John

Course Year

Home Address

I 3 S Coates House, Kansas City, Mo.

II 2 I Centre St., Clinton, Mass.

1 21 Athelwold St., Dorchester, Mass.

VI 2 Everett Ave., Winchester, Mass.

1 1525 Pine St., Philadelphia, Pa.

I 2 23 Burr St., Jamaica Plain

XIII 2 1326 Monadnock Block, Chicago, Ill.

II 2 S Wellesley Hills, Mass.

I S 114 Winter St., Fall River, Mass.

XII 3 S 64 Aldie St., Allston, Mass.

II 4 S 619 Mass. Ave., N. E., Washington, D. C.

262 Otis St., West Newton, Mass.

III 3 91 Arlington St., South Framingham, Mass.

II 4 22 Dix St., Winchester, Mass.

I 4 S Hermosillo, Mexico

Chihuahua, Mexico

II 4 106 Cushing Ave., Dorchester, Mass.

I 3 24 Virginia St., Dorchester, Mass.

II 4 34 Ashford St., Allston, Mass.

I 2 203 Temple St., West Roxbury, Mass.

III 2 7 Stevens St., Winchester, Mass.

III 2 S 1820 Melrose St., Chicago, Ill.

II 4 S 222 A F St., N. W., Washington, D. C.

89 Evans St., New Dorchester, Mass.

XIII 3 S 71 Washington Ave., West Haven, Conn.

95 Jason St., Arlington, Mass.

VI 2 Manchester, Mass.

X 3 S 12 Sargent St., Roxbury, Mass.

VI 2 South Dartmouth, Mass.

1 220 West River St., Hyde Park, Mass.

1 2000 Mt. Royal Terrace, Baltimore, Md.

I 3 S 91 Summer St., Somerville, Mass.

III 4 S 31 Waumbeck St., Roxbury, Mass.

II 3 S 140 Vine St., Hartford, Conn.

IV 3 S Charlotte, N. C.

38 West Newton St., Boston, Mass.

XIII 3 1047 Walnut St., Newton Highlands, Mass.

VI 2 Chelmsford, Mass.

II 4 Rock, Mass.

I 2 Belmont, Mass.

Name and Society	Course	Yea	ar	Home Address
Ayers, Samuel Henry	v	2		14 Lincoln Ave., Portsmouth, N. H.
Aylsworth, Joseph Wheeler J T	II	4	S	5 Everett St., Newport, R. I.
Babb, Roger Willis		I		Worcester St., Natick, Mass.
Babcock, Frank Gilbert	III	4	S	Tolland, Conn.
Babson, Roger Derby	III			3 Derby St., Gloucester, Mass.
Bailey, Edna Greenwood		3		817-820 Stock Ex. Bld., Chicago, Ill.
Baker, Edward Sherman # I A		4		26 School St. Dedham, Mass.
Baker, Edward Stuart			S	Stanton, Va.
Baker, Horace Singer, B.S. J T J		4		1325 Judson Ave., Evanston, Ill.
Baker, James McFarlan	IV			310 Greene Ave., Brooklyn, N. Y.
Baker, Joseph Cheney			S	332 Delaware Ave., Syracuse, N. Y.
Baker, Ralph Hubert	XIII		5	11 Sunnyside Ave., Winthrop, Mass.
Baker, Sheldon King	XI			1728 Columbia Rd., Washington, D. C.
Bakewell, Joseph Hunter X T			S	Murray Hill Ave., Pittsburg, Pa.
Baldwin, Francis George # B E		I		205 West 106th St., New York, N. Y.
Balkam, Arthur Thomas	XIII		S	55 Green St., Jamaica Plain
Ball, Herbert James		1		2 Cambridge Terrace, Allston, Mass.
Ball, Sidney Young J K E	I	4		99 Olive St., Cleveland, Ohio
Ball, William Gilbert	III			7 Otisfield St., Roxbury, Mass.
Ballou, Edgar Clark	-	I		83 Niagara St., Providence, R. I.
Ballou, Roland Hunnewell Σ A E	VI			16 Harris Ave., Woonsocket, R. I.
Barber, Clarence Eugene		2	S	259 Launel Hill Ave., Norwich, Conn.
Barber, Raymond Jenness		I	-	49 Carleton St., Newton, Mass.
Barber, Waldo Austin	v	2		21 Gardner St., Allston, Mass.
Bardwell, Earl Smith		I		122 Pine St., Florence, Mass.
Barlow, James Evans	I	2		274 Methuen St., Lawrence, Mass.
Barnaby, George Albert			S	25 Oak St., Peabody, Mass.
Barnd, Jules Verne	VII		-	59 Ashland St., Melrose Highlands, Mass.
Barnes, Howard Parker		I		6 Carver St., Plymouth, Mass.
Barnes, James Phillips	VI			306 Highland St., Syracuse, N. Y.
Barret, Charles Frederick		3		Waverly St., Belmont, Mass.
Barrier, Edward André		2		89 Hancock St., Cambridge, Mass.
Barron, Edward Taylor S X			S	1032 Murray Hill Ave., Pittsburg, Pa.
Barrows, Allan Hanscom				Reading, Mass.
Barrows, George Herbert	IV		~	99 Somerest Ave., Taunton, Mass.
Barry, John Gerald		ī		Salem, Mass.
Bartlett, Arthur Warren	X	3		41 Munroe St., Newburyport, Mass.
Bartlett, Charles Terrell		I		Fortress Monroe, Va.
Bartlett, Edward Hale	x	2		11 Parker St., Newburyport, Mass.
Bartlett, George Merrell		2		9 Albemarle St., Boston, Mass.
Bartlett, Stephen Russell, A.B.		4		2 Commonwealth Ave., Boston, Mass.
Bascom, Calvin Perry	XIII			37 Spring St., Rochester, N. Y.
Bassett, John Henry		2		Ware, Mass.
Batchelder, Frederick Russell	***	I		(Box 66) Hampden, N. H.
Bateman, George William	TT		9	Waverly, Mass.
Bates, Charles Lynn		4	0	7734 Union Ave., Chicago, Ill.
Dates, Charles Dynn		4		//34 Outon Ave., Officago, In.

Name and Society	C	ourse	Ye	ar	Home Address
Bates, George Martin		III	3		Windham, Conn.
Bates, John Ross		I	4		196 Fairmount Ave., Hyde Park, Mass.
Baton, Warren Ulysses C.		XI			Whitinsville, Mass.
Baum, Kenneth Michael			3		Claremont, N. H.
Bay, George Green		II	2	S	140 Sixth St., Ironton, Ohio
Bay, William Johnston 2 X		XIII			140 Sixth St., Ironton, Ohio
Bearce, William Pitt			1		1 Yeaton Place, Haverhill, Mass.
Beard, Robert Stanley		I	2		12 North George St., York, Pa.
Beaton, William Alexander				S	473 Park Ave., London, Ontario
Beattie, Frederick Steere					43 Illinois St., Central Falls, R. I.
Becker, William Frederick		VI		9	43 West Washington St., Chicago, Ill.
Bedford, Lawrence Faxon			I		8 Holborn St., Roxbury, Mass.
Bedford, Thomas Payne, B.S.	v v	VI		S	Fayette, Mo.
Bedortha, Alfred Calvin	10.00				Windsor, Conn.
Bee, Albert Wilson, Jr.		0.00	3		120 Rosseter St., Dorchester, Mass.
Beerman, Bernard				S	18 Shurtleff St., Chelsea, Mass.
Beers, Harold William			I	-	52 Cedar St., Taunton, Mass.
Beers, William Herbert, Jr.		VIII		S	Watertown, Conn.
Belding, Arthur Field		II		-	29 Pleasant St., Fitchburg, Mass.
Bell, James Samuel			I		50 Dana St., Cambridge, Mass.
Bell, Lowthian Lambert		TIT		S	Lynewood Ave., Southampton, Eng.
Bell, Raymond Edwin		XIII		~	Portland, Conn.
Bell, Samuel Robinson				S	178 Commonwealth Ave., Boston, Mass.
Bellows, Robert Peabody		IV			29 Hereford St., Boston, Mass.
Bender, Frwin Ferdinand					Brooklyn, N. Y.
Benham, Frank Arthur			1	~	Milton, Vt.
Bennett, Arthur Francis		III			Wayland, Mass.
Bennett, Frederick Gardner				S	Southampton, N. Y.
Benson, Stuart Wells		x			1526 South State St., Syracuse, N. Y.
Bent, Leavitt Newell		-	I		(Box 314) Framingham, Mass.
Bent, Walter Gregory		x	2		Framingham, Mass.
Bentley, Fred Harold		**	ī		Plainville, Conn.
Bentley, William Perry, B.S.	D B K	VI			Plainville, Conn.
Berliner, Edgar Maurice		- 0.0	I		1717 P St., N. W., Washington, D. C.
Beverstock, Charles Whitney		1			33 Elm St., Keene, N. H.
Bickford, Frizt Clarence				S	104 Hutchings St., Roxbury, Mass.
Biggi, Frederick Anthony			3	-	166 Salem St., Boston, Mass.
Bilyea, Carl Thompson X Φ		IV	100		Watertown, N. Y.
Bingham, Rutherfurd J I			I		1019 16th St., Washington, D. C.
Bixby, Llwellyn, B.L.		т		S	Claremont, Cal.
Bixby, William Peet		II		-	Woburn, Mass.
Blackwell, Otto Bernard		-	ī		Bourne, Mass.
1		IX			Waterbury, Conn.
Blair, Paul Alexander Blaisdell, Albert Chester, A.B.				S	North Woburn, Mass.
Blake, Arthur William 1 1			1	-	54 Eastern Promenade, Portland, Me.
그 아이는 얼마 아름이 보고 싶다면 하지 않아내가 모든 것이 없는데 하지 않아 하지 않아 보다.			ī		184 West Canton St., Boston, Mass.
Blake, Howard Colburn			*		104 on camon only booton; mass.

Name and Society	Course	Ye	ar	Home Address
Blatz, John		I		236 Prospect Ave., Milwaukee, Wis.
Blodgett, Albert Alden		I		28 Greenville St., Roxbury, Mass.
Blodgett, Laurence Gould		I		3523 McGee St., Kansas City, Mo.
Blodgett, Mildred Eleanor		1		135 Pembroke St., Auburndale, Mass.
Blood, Alice Frances	v	4		Care of J. B. Blood Co., Lynn, Mass.
Bloom, David		I		377 Broadway, South Boston, Mass.
Blount, Fernando Moreno A A P		I		28 East Wright St., Pensacola, Fla.
Blum, Bernard	I	3		3245 Groveland Ave, Chicago, Ill.
Blunt, Katherine, A.B.		175.0	S	Rock Island Ave., Rock Island, Ill.
Boggs, Charles Reid Σ A E	v			1527 I St., N. W., Washington, D. C.
Boggs, William Brenton Σ A E	III			1527 I St., N. W., Washington, D. C.
Booth, Louis LaBaum, Ph.B.		I		26 Garfield Place, Poughkeepsie, N. Y.
Booth, Robert Harbison		I		Linwood, Pa.
Bourne, Lyman Murphy, M.Sc.	v	3		Oxford, Ohio
Bouscaren, Gustave, Jr., A.B. 4 #	VI	-		1800 Josephine St., Cincinnati, Ohio
Bowers, Daniel Hix Cudworth			S	36 Pine St., Taunton, Mass.
Bowman, Melville Bryant & T				480 North First St., San José, Cal.
Boyd, Helen F.				13 Ivy St., Boston, Mass.
Boynton, Agustus Swain				Groveland, Mass.
Bradley, Franklin Sawyer 4 7				Dover, N. H.
Bradley, Stephen Lawrence	II	100	-	115 Webster St., West Newton, Mass.
Bradford, Alexander Henry	**	I		42 South Main St., Raynham, Mass.
	v	4		De Kalb, Ill.
Bradshaw, George Burt, A.B.		1		Franklin, Pa.
Bredin, Maurice Y X				282 Langley Road, Newton Center, Mass.
Breitzke, Charles Frederick	WI	1	c	그 아내는 그리다는 이 지금 때문에 그리면 하지 않아 아니는 아니는 이 아내는 아니가 있는데 가입니다.
Bridges, David Wills			0	15 South Charles St., Baltimore, Md.
Bridges, John Samuel, Jr.	VIII		e	15 South Charles St., Baltimore, Md.
Briggs, Ernest Nathaniel			9	31 Rhode Island Ave, Newport, R. I.
Briggs, George Wright	IV			86 Winthrop St., Taunton, Mass.
Brigham, Charles Howard		3	0	74 Main St., Marlboro, Mass.
Broad, Charles Edward				53 Com. Ave., Newton Center, Mass.
Brown, Frank Zenas	VI		0	408 East Clay St., Richmond, Va.
Brown, Harry Wheeler		1		118 Brighton Ave., Allston, Mass.
Brown, Howard Hayes	**	1		27 Elm St., Penacock, N. H.
Brown, Howard Melville, A.B.	V			Comstock's Bridge, Conn.
Brown, James Hugh				6 Stamford St., Boston, Mass.
Brown, James Salisbury # B F			0	172 Pine St., Pawtucket, R. I.
Brown, Joseph Henry, Jr.	II			72 Winthrop St., Charlestown, Mass.
Brown, Moses, Jr.	III	40		9 Orange St., Newburyport, Mass.
Brown, Sumner Edwin # 1 J			S	25 Orleans St., Springfield, Mass.
Brown, Walter Stanley	III	3		89 Mt. Vernon St., Boston, Mass.
Browne, Frank Atwood	1000	I		19 Spring St., Westboro, Mass.
Brownell, Frank Wilber, B.A.	VI		S	133 Shurtleff St., Chelsea, Mass.
Bruce, Arthur Garfield		1		39 Rich St., Gardner, Mass.
Bruce, Malcolm			S	267 Stuyvesant Ave., Brooklyn, N. Y.
Bruton, Alfred William, A.B. $B \theta B$	VI	4		309 North Charles St., Baltimore, Md.

Name and Society	Course	Ye	ar	Home Address
Bryan, Clark Albert	1	4		30 Maple St., Springfield, Mass.
Buck, Laurance Montjoy X P	III			1228 St. Paul St., Baltimore, Md.
Buckingham, George H.		2		Rutland, Vt.
Buckley, James Patrick, Jr.	Ш	. 1077	S	16 Devereaux St., Salem, Mass.
Buell, Lloyd Thomas				Cerrillos, N. M.
Buff, Henry Arthur		2		23 Cheshire St., Jamaica Plain, Mass.
Buhler, Henry Waldeck		4		11 Irvington St., Boston, Mass.
Buker, Harry William		1		8 Mt. Vernon St., Salem, Mass.
Bull, Freeman Nelson	111	3		102 Walnut Ave., Revere, Mass.
Burden, Frederick Evans		2		
				35 Cleveland Ave., Buffalo, N. Y.
Burke, Fletcher H., A.B.		2		759 West Adams St., Chicago, Ill.
Burke, Ralph Haney	XIII			100 Mozart St., Jamaica Plain, Mass.
Burkhardt, Edward Arthur	AIII			53 Washington St., Malden, Mass.
Burleigh, Charles Randall		I		- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1
Burnap, George Elbert	v	1		474 Lebanon St., Melrose, Mass. 249 Beacon St., Waltham, Mass.
Burnham, Alfred Worcester	X			
Burnham, William Winslow 2 A E		I 4		297 Main St., Biddeford, Me.
Burns, Walter	,	/ 2		25 Beacon St., North Adams, Mass.
Burr, Shields	***	1		27 Glen St., South Natick, Mass.
Burton, Eugene		2		1620 Floyd St., Louisville, Ky.
Bushnell, Leonard T., A.B.	1.			4 Orchard St., New Bedford, Mass.
Butler, Chester Mateland	1777	I		Avon, Mass.
Butman, Chester Arthur				Rockport, Mass.
Butts, Walter Matthews		2		South Dartmouth, Mass.
Cabell, Thomas Breckinridge		2		Bowling Green, Ky.
Cady, William James				97 University Rd., Brookline, Mass.
Cain, Walter Bicknell	XIII			East Weymouth, Mass.
Caine, Sydney Atmore S X	XII			519 Equitable Bldg., Louisville, Ky.
Calkins, Ernest Wilber, Jr.		3		North Abington, Mass.
Calnan, John William Joseph	,			16 East Canton St., Boston, Mass.
Campbell, Edmund Schureman	777	. I		4 Broad St., Freehold, N. J.
Card, John Ford & K E		1 3		4850 Washington Ave., Chicago, Ill.
Carhart, Clem Clare A T A		3		175 So. Sixth E. St., Salt Lake City, Utah
Carhart, Frank Milton A T A		2		175 So. Sixth E. St., Salt Lake City, Utah
Carmichael, George Patrick				282 Mass. Ave., Boston, Mass.
Carpenter, Paul	VI			Milton, Mass.
Carr, Sidney Taylor		1		18 Thayer St., Quincy, Mass.
Carruth, Henry Pope		1		Beaumont St., Dorchester, Mass.
Cartagena, Juan José	V			Mayaguez, Porto Rico
Carter, Clarence Elmore		1		19 Grand St., Reading, Mass.
Carter, Pulaski	15.0	1		East Parker St., Scranton, Pa.
Carty, Francis James		1 3		6 Kensington St., Roxbury, Mass.
Carty, Walter Maurice		3		6 Kensington St., Roxbury, Mass.
Casy, Charles Reed, B.S.	VIII			621 West North Ave., Baltimore, Md.
Casey, George Austin	V	2		Lee, Mass.
Cason, Everett Shackelford Ø Г Δ			S	Carrollton, Mo.

Name and Society	Course	Ye	ar	Home Address
Castleman, Philip	V	2		44 Barton St., Boston, Mass.
Caypless, Willis Smith	III	1	S	1740 Williams St., Denver, Col.
Cederholm, Anna Margaret		1		251 Pearl St., Cambridge, Mass.
Cerf, Harry Herman	II	3		361 South Fairmount St., Pittsburg, Pa.
Chace, Carll Smith	I	3	S	31 Wales St., Dorchester, Mass.
Chace, Franklin Murphy	IV			31 Wales St., Dorchester, Mass.
Chadbourne, Edward M.		-	S	San Francisco, Cal.
Chadbourne, Walter Everett		ı		41 Newport St., Dorchester, Mass.
Chadwell, Elizabeth Dane	VII		S	192 South Common St., Lynn, Mass.
Chadwick, John Patten		1		Saco, Me.
Chadwick, Louis Robinson		I		103 Oak St., New Bedford, Mass.
Chamberlain, Noel	IV		S	42 Wait St., Roxbury, Mass.
Chandler, Edward	- 50	ī	_	670 Mass. Ave., Boston, Mass.
Chandler, Fred Worthington		ī		Newburyport, Mass.
Chandler, Willard Dalrymple	11			45 Jaques St., Somerville, Mass.
Chapin, Henry Gardner		3		20½ Congress St., Greenfield, Mass.
Charles, Everts Wilson	ii			23 Oak St., Springfield, Mass.
Charlesworth, Harry Prescott	VI			Hotel Thorndike, Haverhill, Mass.
Chase, Charles Edward	I		S	69 Pleasant St., Dorchester, Mass.
Chase, Charles Henry	*	1		15 Westfield St., Dedham, Mass.
Chase, Edward Sherman		I		Merrimac, Mass.
Chase, Edwin Kirke		1		1450 Williams St., Denver, Col.
Chase, Eugene Preston				84 Spring St., Portland, Me.
Cheney, Arthur Morton		I		542 Cooper St., Camden, N. J.
Cheney, John Tyrrell & E	II			Kenilworth, Ill.
	VI			- 1
Chesterman, Francis John Chidester, Arthur Mercer	4.1	I		10 Gardner St., Newburyport, Mass. 2321 Madison Sq., Philadelphia, Pa.
Chivers, Norman Moore		2		
	- 1			750 Carroll St., Brooklyn, N. Y.
Christianson, Eugene Olaf		1		15 Roosevelt St., Boston, Mass.
Christy, Earl George		1		2924 Collingwood Ave., Toledo, Ohio
Chuchian, Avedis Melkon	777	I		Van, Armenia.
Church, Albert Thomas				Oakland, Cal.
Church, Harold Douglas # 1 4	II			West Newton, Mass.
Clapp, Charles Horace	III			18 Atlantic St., South Boston, Mass.
Clapp, Prescott Jones		1		169 Boston St., South Boston, Mass.
Clark, Arthur DeWitt	***	1		124 West 123rd St., New York, N. Y.
Clark, George Howard	VI	4		383 Broadway, Everett, Mass.
Clark, Jesse Redman				63 Mt. Vernon St., Boston, Mass.
Clark, Myron Henry		4		Bedford, Mass.
Clarke, Lewis Cutler, Jr.	10			264 Green St., Cambridgeport, Mass.
Clarke, Ralph Scudder	*****	1		15 Wentworth St., Dorchester, Mass.
Clarke, Walter Ayer	XIII			15 Everett St., Biddeford, Me.
Clay, George Francis		1		160 South Union St., Grand Rapids, Mich.
Clifford, Walter Baker	2.7	1		94 Summer St., Fitchburg, Mass.
Cline, Max	V	2		139 Leverett St., Boston, Mass.
Clingerman, Byron H., A.B. Ø K F	VI	3		Springfield, Ohio

Name and Society	Course Year	Home Address
Clough, Leslie	II 3	23 Avon St., Wakefield, Mass.
Cobb, Andrew Randall, A.B.	IV 4	Greenwich, N. S.
Cobb, Freeman Adams	П 3	63 North Main St., Natick, Mass.
Cockrill, Emmet	II 3 S	
Codd, Eliza	IV 3	Nantucket, Mass.
Coe, Maxwell Alanson & B E	1	43 Ashland St., Medford, Mass.
Coes, Harold Vinton Obis	I	6102 Boynton St., Germantown, Pa.
Coey, Stewart Clark	ī	156 Broad St., Newark, N. J.
CEN 125 (1 4 CE) 13 (1 5 CE) 2 (1 CE)	X 2	102 High St., Newburyport, Mass.
Coffin, Edward May		New York, N. Y.
Coffin, Marian Conger		
Cohen, Simeon	II . S	6 Margaret St., Boston, Mass.
Cole, Charles Stinchfield 2 X		34 Davenport St., Detroit, Mich.
Cole, Sidney Lovett	II 2	13 Lincoln St., Somerville, Mass.
Colgan, James Arthur Herbert	VI 4	Springfield, N. B.
Collins, Richard Vincent	I 3	Medway, Mass.
Comer, Ernest Albert	XI 4	14 Mt. Vernon St., Salem, Mass.
Comstock, Daniel Frost	VIII 3	102 Huntington Ave., Boston, Mass.
Cook, Harry Hall	1	27 Lamartine St., Jamaica Plain, Mass.
Cook, Robert Avery	I 4	93 Prospect St., Woonsocket, R. I.
Cook, Walter Lorrain X 0	III 4	Burlington, Iowa
Cooper, Claudius Howard J T		Houghton, Mich.
Cooper, Edgar Bailey Ø B E	II 3 S	4 Akron St., Roxbury, Mass.
Copeland, Durward	III 4	138 Washington Ave., Chelsea, Mass.
Courtney, Allan Seymour	II 3	Concord, Mass.
Cowdrey, Irving Henry	II 2	33 Goodrich St., Fitchburg, Mass.
Cowell, David Holbrook	VI 2 S	
Cowper, Howard Montgomery	III 2	453 Richmond Ave., Buffalo, N. Y.
Cox, Charles Barrows	I 4	106 Washington St., Newton, Mass.
Cox, Frank Gardner Σ A E	II 4	248 Maple St., Holyoke, Mass.
Cranston, Raymond Earle	1	305 Dudley St., Providence, R. I.
Craven, Walter Sidney	III 4	Kalispell, Mont.
Crawford, James Joseph	14	I Haverhill St., Lawrence, Mass.
	XIII 4	155 West Concord St., Boston, Mass.
Cronenbold, Ernest John		56 P St., South Boston, Mass.
Cronin, Walter Louis	II 3	
Cronin, William Walter & Y K	I 3	723 West Genesee St., Syracuse, N. Y.
Crosby, Fred Bickford	VI 4	Woodville, N. H.
Crosby, Gorham	VIII 2	Centreville, Mass.
Crosby, Hewitt	XIII 4	14 Irving Place, Brooklyn, N. Y.
Cross, Harold Newton	XI 4	Exeter, N. H.
Cross, William P., Ph.B. & B K	XIII 4	40 Boardman St., Rochester, N. Y.
Crowell, Harry Clifford	I 4	12 Mt. Vernon St., Salem, Mass.
Crowell, Joseph Warren	II 3	Newton, Mass.
Crowell, Prince Sears	X 2 8	Woods Hole, Mass.
Crowell, Will Ranson	VIII 3	810 Beacon St., Los Angeles, Cal.
Crull, Clifton Gustavus	IV 3 8	S Davenport, Iowa
Cuesta, Enrique Gallardo W A K	V 3 8	Guadalajara, Mexico
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Name and Society	Course Year	Home Address
Cumming, Silas Pierce	II 2 S	183 Cross St., Central Falls, R. I.
Cunningham, John Earl	I 3	27 South St., Baltimore, Md.
Curl, Warren Franklin	V 2 S	18 Wall St., Concord, N. H.
Currier, James Swasey	XIII 3	18 Chapel St., Newburyport, Mass.
Currier, Warren Franklin		East Kingston, N. H.
Curtis, Carroll Cary		371 Harvard St., Brookline, Mass.
그리고 있다. 교통하다 또 회사의 소리를 하고 있다. 하나의	I 3	North Hanover, Mass.
Curtis, George Alden		
Cushman, James Allerton	I 4	14 Clifton St., Taunton, Mass.
Cushman, Robert Ellis	I	Kingston, Mass.
Cutter, Edward Philip	1	4240 Hamilton Ave., Cincinnati, Ohio
Cutting, Robert Curtis		Weston, Mass.
Daly, John Charles, Jr. Y	III 2 S	47 Townsend St., Roxbury, Mass.
Damon, John Churchill	VI 2 S	Concord, Mass.
Danforth, Carl Eugene	III 2	49 Hammond St., Bangor, Me.
Daniels, E. Harley	I	45 West Central St., Natick, Mass.
Daniels, Joseph	III 2	1342 Washington St., Boston, Mass.
Dargan, Samuel Saul	1	Darlington, S. C.
Darling, Henry Everett	1	(Box 97) Danvers, Mass.
Darling, Philip Greenville # B E	II 2	158 Central St., Somerville, Mass.
Davenport, George Lyman, Jr.	1	Cohasset, Mass.
		Ludlow, Mass.
Davis, David Cady	I V a	
Davis, David Lincoln	V 2	27 Albion St., Hyde Park, Mass.
Davis, Edward Lester		224 Lincoln St., Newton Highlands, Mass.
Davis, Francis Woodward X @	I 4	286 Highland Ave., West Newton, Mass.
Davis, Frank Howard	Ι 3	1703 Chicago Ave., Evanston, Ill.
Davis, Grace Evangeline, B.A.	VIII 3 S	Wellesley, Mass.
Davis, John Pickman @ B E	1	35 Huntington St., Lowell, Mass.
Davis, Junius, Jr.	VI 2	Wilmington, N. C.
Davis, Leon Howe	ı S	Somerset, Mass.
Davis, Myra Louise	VII 1 S	9 Billings Park, Newton, Mass.
Davis, Roswell	XIII 2	185 Temple St., West Newton, Mass.
Davis, Rowland Parker	1	215 Elliot St., Beverly, Mass.
Davis, Sidney Lincoln	1	185 Temple St., West Newton, Mass.
Davis, William Robert	I 4	323 Jefferson Ave., Scranton, Pa.
Davol, Walter Dodge	1	19 Bartlett St., Charlestown, Mass.
		Saxonville, Mass.
Dawson, Alfred Ernest	II 2	Canton, Mass.
Dean, Arthur Malcom		
Dean, Charles Lake	III 2	105 Hawkins Ave., Braddock, Pa.
Dean, Edward Hart	I	38 General Cobb St., Taunton, Mass.
Dean, Henry Lawrence	XIII 2	Canton, Mass.
Dean, Herbert Welton	1	63 Highland Ave., Cambridge, Mass.
de Alvarenga Francisco Bento		26 Alvaneda dos Brambus, San Paulo, Brazil
Delano, Ward Parker, Jr.	IV 2	452 Main St., Worcester, Mass.
Denham, Howard Sumner	VI 3	East Pepperell, Mass.
de Steigner, Walter George @ / 4	1	718 South Fourteenth St., Lincoln, Neb.
Dewis, Clifford Sayre	I 3 S	571 Tremont St., Boston, Mass.
	70.5	2

Name and Society
Dexter, Katherine
Dickerman, Albert Cornell
Dickie, John Frederick
Dimock, Roy Ernest
Disque, Kenneth Hulbert & T
Dissel, Theodore Augustine & K E
Dixon, Frank Eugene
Dodd, Rebecca
Dodge, Perley Kennison
Doepke, Robert Henry & T
Doherty, Harry Vincent
Dolan, James Stephen
Dole, Myron Wilkinson
Donald, Harry Walker J #
Donovan, Jeremiah J., A.B.
Donovan, John Joseph
Donovan, William Henry
Dooley, John James
Dorsey, Thomas Francis
Doten, John Gooding
Doten, William Leslie Douglas, Alice Brooks
Douglas, John Frederic
Dow, Daniel Frederick
Downes, Arthur Caldwell
Drake, Francis Edward, Jr.
Drake, Henry Philkins
Draper, Herbert Kinsley
Drew, Alden Glover
Drew, Charles Henry, 2d
Drury, Walter Maynard
Dudley, Henry Harrison
Duncan, William W., B.A.
Dunham, George Eldridge
Dunham, Milton Cornelius
Dunn, John Franklin
Durant, Frederick Clark, Jr. @ F 4
Dwight, Joseph
Dwyer, Emmet Joseph, A.B. 1 K E
Dyer, Ralph Leighton
Eadie, John Charles
Eager, William Hosmer 2 A E
Eames, David Darbey
Earle, Frederic Edward
Easterbrooks, Clifton Clark
Eastham, Barry Canfield

	Course	Year	Home Address
	VII	3 S	393 Commonwealth Ave., Boston, Mass.
			21 Mill St., Dorchester, Mass.
	III	2	226 Winsor St., Cambridge, Mass.
	III	4	77 North Montello St., Brockton, Mass.
F		I	138 West Tenth St., Erie, Pa.
F I K E	XIII	2 S	701 James St., Syracuse, N. Y.
2/22/22/2		I	10 Oswald St., Gloucester, Mass.
	VII		Norfolk House, Roxbury, Mass.
		1	24 Federal St., Beverly, Mass.
		ī	3595 Washington Ave., Cincinnati, Ohio
	III	0.55	35 Greenwich Park, Boston, Mass.
			Hampstead Road, Forest Hills, Mass.
			104 Pearl St., Fitchburg, Mass.
	II		
			Sweetwater, Egypt
	VI		West St., Randolph, Mass.
	-	1	34 Sargent St., North Andover, Mass.
		4	131 Harold St., Roxbury, Mass.
	VI	4	804 Parker St., Roxbury, Mass.
		1	93 Clarkson St., Dorchester, Mass.
		I	143 Court St., Plymouth, Mass.
	II	3	143 Court St., Plymouth, Mass.
	VII	I S	Hingham, Mass.
	VIII		Bucksport, Me.
	1	3 S	53 Emerson St., Melrose, Mass.
	V	3	5 Washington Sq., Gloucester, Mass.
	II	2 S	50 North Twenty-first St., Columbus, Ohio
	XI	4	94 Monument St., West Medford, Mass.
	II	3 S	Canton, Mass.
	IX	3 S	70 Myrtle St., Boston, Mass.
	II	3 S	70 Myrtle St., Boston, Mass.
		4	1011 Chicago Ave., Evanston, Ill.
		4	198 North Main St., Natick, Mass.
		3	Chatham, N. Y.
		2	Northfield, Vt.
		4	35 North Montello St., Brockton, Mass.
		3	2124 Maryland Ave., Baltimore, Md.
0 F 1			228 Wt. Rittenhouse Sq., Philadelphia, Pa.
W 1 4		2	235 Beacon St., Boston, Mass.
1 F F			692 Jefferson Ave., Detroit, Mich.
△ K E	11		
	V	I	II Grave St., Winchester, Mass.
	1777		Glascow, Scotland
E	V	1 3	526 Oak St., Syracuse, N. Y.
		1	45 Hollis St., South Framingham, Mass.
	0.00	I	6 Downer St., Dorchester, Mass.
			Peace Dale, R. I.
	V	1 2 8	Oregon City, Oregon

Name and Society	Course	Ye	ar	Home Address
Eastman, Guy Warner	VIII	3		Vancouver Barracks, Wash.
Eaton, Frederick Malcom		2		45 Charlotte St., Dorchester, Mass.
Eaton, Henry Douglas & K E		I		324 Wt. Eighty-third St., New York, N. Y.
Eaton, Lewis Dinman	II	2	S	701 Smith St., Providence, R. I.
Eaton, Ralph Waldo	VI	4		3 Ringgold St., Haverhill, Mass.
Eberle, John Christian		I		2624 Scioto St., Cincinnati, Ohio
Eckel, George Robert 2 X	III	2	S	
Eddy, William Osgood	VI			23 Webster St., Middleboro, Mass.
Edes, Edward Louis		3		Bolton, Mass.
Edgecombe, William Hendrik		-		18 Chestnut St., Waltham, Mass.
Edmunds, Howard Maurice	VI			Antron, 21 Up. Tuke Hill, London, Eng.
Edwards, Carl Francis, B.S.	XIII			Santa Barbara, Cal.
Egerton, Charles Ozro	XIII	-		103 North Main St., Springfield, Mass.
Eichler, Walter Gottfreid		2		6 Greenheys St., Roxbury, Mass.
Einstein, Ruben		I		27 Mayo St., Boston, Mass.
Eisele, Herman	XIII			399 Kennard St., Cleveland, Ohio
Eliot, Edward Munroe		I		5468 Maple Ave., St. Louis, Mo.
Elliot, Frank Spencer & T &	III			71 Washington St., Gloucester, Mass.
Elliot, Harold Clifford		I		11 Ruskin St., West Roxbury, Mass.
Elliot, Joseph Kittredge	IX		S	147 Main St., Andover, Mass.
Elmer, Charles Wickersham F X				1701 W. Lafayette Ave., Baltimore, Md.
Elwell, David A K E	VI		-	14 Pelham Terrace, Arlington, Mass.
Emerson, Carleton Murray	10.00	I		Braintree, Mass.
Emerson, Charles Joseph A K E	XIII			89 Park Place, Pawtucket, R. I.
Emerson, Merton Leslie		3		20 Mt. Vernon Ave., Braintree, Mass.
Emerson, Neil Davis X Ø			S	Wilmington, N. C.
Emerson, Ralph Dammarell	IV			6 Paine St., Worcester, Mass.
Emery, Quincey Pierce # 1 1		1		452 Columbia Road, Dorchester, Mass.
Endres, Kenneth Windram	VI			48 Kent St., Brookline, Mass.
Englis, William Franklin & B E		I		327 W. Eighty-sixth St., New York, N. Y.
Estabrook, Thomas Winthrop	v		S	49 West Cottage St., Roxbury, Mass.
Estes, Walter Dalton, A.B.	III			Hamilton, N. Y.
Eustis, Augustus H., A.M.	62.22			40 Mt. Vernon St., Boston, Mass.
Eustis, Frederick A., A.M.				Readville, Mass.
Evans, Edward Burrowes		I		116 Cedar St., Malden, Mass.
Evans, Ernest Cleveland		I		277 Princeton St., East Boston, Mass.
Evans, William Archibald	II	3		1615 Washington St., Boston, Mass.
Faber, Thomas William	.55	1		253 Paris St., East Boston, Mass.
Faelton, Otto	IV		S	71 Crawford St., Roxbury, Mass.
Fairfield, George Albert				3 North St., Saco, Me.
Fales, Henry Hammett		4		Pondville, Mass.
Fallon, Nugent		I		489 Walnut Ave., Jamaica Plain, Mass.
Farley, William Frederick		I		Lincoln St., Waltham, Mass.
Farnham, Frank Rollins	XIII			117 Lake Ave., Newton Center, Mass.
Farnham, Frank Skinner				Wellesley, Mass.
Farnham, George Bradford				Wellesley, Mass.
,	1.7	3	-	71 2000

Name and Society	Course Year	Home Address
Farnsworth, Frank Calvin	I	Canton Junction, Mass.
Farrell, Frank Sheridan	. V 3 S	S Stoughton, Mass.
Farrell, Frederick William	V 3	Stoughton, Mass.
Farrington, Robert Douglas	II 2	Bellevue St., West Roxbury, Mass.
Farwell, Carroll Andrew	1	Ponkapog, Mass.
Faulkner, Robert	III 3	Norwell, Mass.
Feeley, Arthur Edward	1	23 Elizabeth St., Pittsfield, Mass.
Feemster, Joseph Hall, Jr.	I	Glendale, Ohio
Fellows, Otis Dwight, Jr.	III 3	142 Homer St., Newton Center, Mas
Fenner, James Howland	I	421 Friendship St., Providence, R. I.
Ferguson, William B., Jr. 2 X	XIII A 4	Wainesville, N. C.
Ferris, Cyrus Yale	II 3	Windsor Road, Waban, Mass.
Ferris, Mortimer Yale X @	I 4	Windsor Road, Waban, Mass.
Ferry, Albert Clarke	VI 3	57 Pleasant St., Newton Center, Mas
Ferry, Montague, Ph.B. 1 0	VI 4	Lake Forest, Ill.
Fick, Otto Wilhelm	I 2	5811 Michigan Ave., St. Louis, Mo.
Field, William Perry		S 38 Grant St., Lynn, Mass.
Fifield, Edward, Jr.	I	430 Ellison St., Paterson, N. J.
Figyelmessy, Haldeman		930 Spruce St., Phildaelphia, Pa.
Files, True Herbert	I 2	14 Everett St., Everett, Mass.
Finer, Percy Richmond	II 3 S	
Finnegan, Joseph Bernard		6 69 Franklin St., Stoneham, Mass.
Fischer, Adolph Louis	VI 4	Salem, Mo.
Fisher, Andrew, Jr.	X 2	180 East River St., Hyde Park, Mass
Fisher, Dana Hollis	VI 4	Norwood, Mass.
Fitzler, Henry	XIII 4	Tiverton, R. I.
Fleisher, Henry Hackenburg	I 2	2301 Green St., Philadelphia, Pa.
Fletcher, Harry Varnum	I	383 Spring St., Portland, Me.
Fletcher, Samuel Adams	VI 4	107 Pembroke St., Milton, Mass.
Flinn, Henry Michael	II 2	2 Morrison St., West Roxbury, Mass
Flynn, John Henry, Jr.	II 2	31 Marcella St., Roxbury, Mass.
Fogarty, William Bailey	XIII A 3	Cincinnati, Ohio
Fogg, Benjamin Greely	I 4	22 Toppan St., Newburyport, Mass.
Fogg, Charles Eugene	1	129 William St., Portland, Me.
Foley, Leonard Harding		S 52 West Central St., Natick, Mass.
Foley, Martin	1	28 Kingston St., Charlestown, Mass.
Folsom, Robert Morse A T A		S 30 Esmond St., Dorchester, Mass.
Forbes, Eugene Duncan	VI 4	South Framingham, Mass.
Ford, Grant, B.S. Ø B K	VI 3	577 School St., Lowell, Mass.
Forsyth, Ralph Kay		S 41 Pearl St., Kingston, N. Y.
Foster, Augustus Clark		S 34 Essex St., Beverly, Mass.
Foster, Stanley Alfred	X 4	Henniker, N. H.
Foster, William Henry	1	Hotel Bellevue, Boston, Mass.
Fouhy, James Francis	I 2	21 Wall St., Charlestown, Mass.
Foulds, Roberts Shepard	IV 2	225 High St., Taunton, Mass.
Fowler, Elbert		S Griffin, Ga.
Lowier, Einert	AIII 2	o ordanj ou

Name and Society	Course Year	Home Address
Fowler, Theodore Victor, Jr. 2 X	II 4	89 Hodge Ave., Buffalo, N. Y.
Frame, Harry Allen	I	Shubenacdie, N. S.
Frank, Edwin Diederich August	1	2300 Grand Ave., Milwaukee, Wis.
Franklin, Ralph Stowell Ø B E	VI 4	47 Prospect St., Melrose, Mass.
Fraser, Frederick John	V 2	Rye Beach, N. H.
Fraser, Linda Susan	IV 3	102 Talbot Ave., Dorchester, Mass.
Freeman, Arthur Emery	II 2	14 Court St., Arlington, Mass.
Fremmer, John Arthur	II 3 S	
French, Halsey, Ph.B.		Marshalltown, Iowa
Friend, Frank Waldo	I	Duxbury, Mass.
Fuentes, Campos Andrés # A K	IX 2 S	Parras, Coahuieta, Mexico
Fuller, Floid Merrill	I	920 Electric Ave., Scranton, Pa.
Fuller, George	I 2	83 Adams St., Rochester, N. Y.
Fuller, Lawrence Usher	II 2 S	그림을 통하다 하다를 살아 있는데 이번 시대로 하다 나는 사람들이 얼마나 하는데 그렇게 되었다.
Fuller, Percy Wheaton	II 2	639 B St., N. E., Washington, D. C.
Funk, George Charles	IV 2	83 Brook St., Brookline, Mass.
Furer, Julius Augustus	XIII A 3	Sheboygan, Wis.
Furness, George Choate	I	387 Central St., Manchester, N. H.
Gabriel, Harry Richard	I 2	2454 West Sixth St., Cincinnati, Ohio
Gaenslen, George Ralph		South Heights, San Antonio, Texas
Gage, Clarence Edward	II 2	8 Sherman Place, Woburn, Mass.
Gale, Roy Fellows	VI 2	Pittsfield, Mass.
Gallup, Harry Wallace	V 3	Norwich, Conn.
Galusha, Don Loomis	VI 3	South Royalton, Vt.
Gammons, Herman Trafton	II 2	43 Forest St., Middleboro, Mass.
Gammons, James Madison	VI 4	Long Plain, Mass.
Garber, Frederick H. C., Jr.		934 Clark St., Cincinnati, Ohio
Garcelon, George Holland	VI 4	71 Hall Ave., West Somerville, Mass.
Gardner, Charler Francis	VI 4	31 Glenwood St., Brockton, Mass.
Gardner, Robert Sherman		Bulkeley Sq., New London, Conn.
Garrigan, Philip Joseph	ı	12 South Walker St., Lowell, Mass.
Gaylord, William Waterman	ı	Torringford, Conn.
Geckler, Burton Edward		229 North Main St., Orange, Mass.
Geist, Alfred W., Jr. X Ø	1	Guadalajara, Mexico
Geraghty, Thomas F., A.B.	III 2	462 Elm St., Chicago, Ill.
Gere, Alfred Dalton	1	61 High St., Northampton, Mass.
Gerhard, Norman Paul	I 2	39 Strong Place, Brooklyn, N. Y.
Gerry, Arthur Peterson		Franklin Falls, N. H.
Gerry, William Franklin		Lynnfield Center, Mass.
Gibbons, Michael Joseph, Jr.	- J	239 North Main St., Dayton, Ohio
Gibbs, Arthur Sherman		North Middleboro, Mass.
Gibbs, Nathan Jackson Σ A E	1	25 Slayter Ave., Norwich, Conn.
Gibson, Jesse Gilbert	IV 4	1632 North Penn St., Indianapolis, Ind.
Gifford, Ralph Staples	V 2	560 County St., New Bedford, Mass.
Gilbert, Albert C., B.Agr.	V 2	Gilead, Conn.
Gilker, William Mansfield	VI 4	9 Blackwood St., Boston, Mass.
Transcent management	4	y ove on, boston, mass.

Name and Society
Gill, Walter Josiah, Jr.
Gillett, Lewis Goode, Ph.B.
Gillett, William Lowry, B.A. # 1 9
Gillis, Thomas Leo
Gilman, Wesley Clifton
Gilmer, Thornton Meriweather E X
Gilmore, Luther Elmer
Gilson, Alden Pinus
Ginsburg, Henry Abraham
Gladding, James Nickerson
Gleason, Caroline Lillian
Glenn, Charles Sewall
Glidden, John Tinker
Goddard, Herbert Willard
Goldstein, Moïse H., B.E.
Goldthwaite, Lee Faulkner Σ A E
Goldwait, Fred Warren
Goodale, Percy Allen @ I A
Goodwin, Edwin Gerrish
Goodwin, William Francis
Gouinlock, William Strachan Ø 2 K
Gould, Harold Howard
Gould, LeRoy Boardman
Gover, Maurice Howell
Graber, Howard Tyler, B.S.
Graesser, Carl Herman F A E
Graham, Errett McLeod, B.A.
Graham, Harold Staniels Φ B E
Grant, Edward Chester & K E
Gray, Curtis Rockwell
Gray, Wilford Drury
Green, Carlton Francis
Green, Mary Lynch
Green, Theodore
Green, William $\Sigma A E$
Greene, Chester Marson
Greene, George Melville
Gregson, Robert Burton
Griffin, Charles James
Griffin, James Edwin
Griffin, Perley Kimball
Grovenor, Ransom Conant
Groves, Harry Hunt, Jr.
Guerin, Harry Joseph
Guernsey, George Rockwell
Guest, Frederick Bertine X Ø

Course	Y	ear	Home Address	
VIII	3		21 Montrose St., Roxbury, Mass.	
	-		Colorado Springs, Col.	
			1006 Upper First St., Evansville, Ind.	
	I		8 Moanet St., Boston, Mass.	
X	2		North Abington, Mass.	
I	3	S	Riverbank Court, Cambridge, Mass.	
	2		167 Howard St., Lowell, Mass.	
II	2		The second secon	
	I		2 Woodbine St., Roxbury, Mass.	
11	2	S	1107 Plymouth Ave., Fall River, Mass.	
VII	4	S	46 Brooks St., West Medford, Mass.	
VI	3	S	270 West Lafayette Ave., Baltimore, Md.	
III			9 Ashton Place, Cambridge, Mass.	
			30 Marlborough St., Lowell, Mass.	
IV	3		1736 St. Charles Ave., New Orleans, La.	
I			Hopkinsville, Ky.	
			115 Central St., Peabody, Mass.	
v	2	S	10 Carruth St., New Dorchester, Mass	
III			North Berwick, Me.	
VI			5 Mason St., Biddeford, Me.	
III			Warsaw, N. Y.	
			14 Pinckney St., Boston, Mass.	
VI			17 North Pleasant St., Taunton, Mass.	
VI			17 Homestead St., Roxbury, Mass.	
V			1101 Perry Ave., Peoria, Ill.	
II			951 Lafayette Ave., Buffalo, N. Y.	
1	2		Care of U. S. Consul, Winnipeg, Canada	
	1		Buttonwoods, R. I.	
XIII			520 Greenup St., Covington, Ky.	
ш		5	1808 Beacon St., Brookline, Mass.	
	1		491 Main St., Woburn, Mass.	
III			7 Follen St., Spencer, Mass.	
VII		S		
I			545 First St., Louisville, Ky.	
II			157 Blucker St., Gloversville, N. Y.	
II	-	c	56 Belmont St., Malden, Mass.	
V			Westminster, Conn.	
II		0	Fiskdale, Mass. 3 Mead St., Everett, Mass.	
	4		130 Temple St., West Newton, Mass.	
	I		180 Walnut St., Neponset, Mass.	
	I		South Hingham, Mass.	
T		8	Rochester, N. H.	
			23 Dalton St., Boston, Mass.	
	I	3	Winchester, Mass.	
XIII			New Rochelle, N. Y.	
22.2.2				í

Name and Society

Guibord, Fred Willis

Guild, Frank Emmons & T &

Gunn, Selskar

Haar, Selby

Haddock, Isaac Thomas

Hadley, Ralph Edgar

Hadley, Walter Elbridge

Haggart, Cecil Neil, B.S.

Hale, Richard King, A.B.

Haley, Frank

Haley, Humphrey Matthew

Haley, John Francis

Hall, George Garfield

Hall, John, B.S.

Hall, Wallace Ralph

Hall, Walter Clement, Jr.

Halleck, Charles, Jr. 2 X

Hallowell, Henry Bartlett

Ham, Clara Eleanor

Hamilton, Charles Eaton

Hamilton, Robert Stavely X &

Hammatt, Richard Fox

Hammett, Louis Wilbar

Hansen, Paul

Hanson, Raymond Edward

Haraden, Joseph Allen

Hardenbergh, Clarence M.

Harding, Reynold Munroe

Hardy, George Bradley

Hardy, Henry Lewis

Hardy, William Abbott

Harlow, Justin Edwards

Harnett, James Harold

Harrah, Ernest Φ B E

Harrigan, William Augustine

Harrington, Clinton Oakley

Harrington, Elmer Ellsworth

Harrington, George B., B.S. 4 W

Harrington, Willis F., A.B.

Harris, Galen Moses & K E

Harris, Hartman Kuhn, A.B.

Hart, Harold Pillsbury

Harvey, Harold Brown

Harvey, Herbert Winthrop

Harwood, Leon Martin

Haskell, Albert Adams

Course Year

Home Address

V 2 Plattsburg, N. Y.

VI 2 S 117 Pine St., Attleboro, Mass.

VII 3 S Ailesbury Road, Dublin, Ireland

VI 3 1614 Charlotte St., Kansas City, Mo.

V 4 S Tiverton, R. I.

I 2 968 Essex St., Lawrence, Mass.

III 3 7 Greenough Ave., Cambridge, Mass.

I S Salina, Kan.

I 3 Brookline, Mass.

g Adams St., Lynn, Mass.

VI 3 4 Pratt St., Salem, Mass.

50 Blossom St., Lowell, Mass.

IV 3 Stony Creek, Conn.

VI 4 S 820 Princess St., Wilmington, N. C.

I 127 Winchester St., Newton Highlands, Mass.

7 Luteman Place, Roxbury, Mass.

XII 4 S 1315 California St., Denver, Col.

I School St., Belmont, Mass.

VII 4 North Middleboro, Mass.

28 Park St., Newton, Mass.

III 3 S 446 Lawrence St., Helena, Mont.

VII 1 S 30 Norway Park, Hyde Park, Mass.

IX 2 6 Mann Ave., Newport, R. I.

XI 4 704 Seventh St., N. W., Washington, D. C.

V 4 S 52 Bancroft St., Reading, Mass.

VI 3 20 Essex St., Charlestown, Mass.

II 4 625 Ninth St., Minneapolis, Minn.

I 2 42 Youle St., Melrose, Mass.

III 2 S 16 North High St., Bangor, Me.

I 2 S 201 Walnut St., Manchester, N. H.

1 17 Maple Ave., Andover, Mass.

XIII 4 Edgewood Park, Pa.

II 3 S Hamilton, Bermuda

II 3 S 27 East Sixty-fourth St., New York, N. Y.

I 4 S 236 Lexington St., East Boston, Mass.

I 3 S Vinton, Iowa

167 Maple St., Malden, Mass.

III 3 501 Delaware Ave., Wilmington, Del.

X 2 Farmington, Del.

II 4 53 Deering St., Portland, Me.

IV 2 2622 North Charles St., Baltimore, Md.

VI 2 110 Franklin St., South Framingham, Mass.

VI 2 S Lynnfield, Mass.

I John Ward Ave., Haverhill, Mass.

VIII 4 S 188 Walnut St., Springfield, Mass.

V 4 S Essex, Mass.

Name and Society
Haskell, Fredrika Christina
Haskell, Raymond
Haskins, Harold X W
Hastings, Arthur Nelson & Y K
Hathaway, Herbert Meletiah
Hathorn, George Wilmer
Havens, Ralph Edgar
Hawkes, Charles Whitney
Hawkins, Paul Darwin
Hayden, Frank Demetrius
Hayden, Ralph
Hayes, James, Jr.
Hayes, Lawrence Warner
Haynes, Charles Rogerson
Hayward, Albert Arthur
Hayward, Carle Reed
Hayward, Marden Warner
Hazeltine, Reginald
Healy, Alexander $\Sigma A E$
Heckman, Alfred Raymond
Heinzen, Karl Prang
Helpern, Myron Hemphill, Albert Weimer
Henderson, George Mitchell
Henderson, Leroy Porter
Henius, Emil Theodore
Henrici, Herman Charles
Henry, Sidney Morgan X &
Hepburn, Andrew Hopewell A W
Hertz, Alfred William
Henter, Royal Robbins
Heywood, Angelo Tilton
Hibbard, Marion
Hickok, Harvey Martin
Hicks, Alexander
Higgins, Frederick Lyle Ø []
Higgins, Warren Sneden
Hilken, Paul Gerhard L. A Ø
Hill, Edgar Logan
Hill, Edwin Bruce X Ø
Hill, Guy
Hill, Harry Eaton
Hill, Hiram Augustus
Hill, Percy Granville
Hiller, Everett Osgood
Hinckley, Thomas Leslie

Course	Ye	ar	Home Address
VII	2	S	1603 Senate St., Columbia, S. C.
VIII			2014 Ashland Ave., Indianapolis, Ind.
VIII			547 State St., Meadville, Pa.
IX	-		26 Dana St., Cambridge, Mass.
		S	Stoughton, Mass.
	I	_	North Andover, Mass.
I			Littleton, Mass.
		S	15 Euclid St., New Dorchester, Mass.
II			68 Westland Ave., Boston, Mass.
	4		159 Shirley St., Winthrop, Mass.
III		9	14 Bowdoin St., Cambridge, Mass.
200	2	S	404 Main St., Brockton, Mass.
		0	46 William St., Cambridge, Mass.
v	I		
X			74 Beacon St., Hyde Park, Mass.
***	1		6 Winthrop St., Stoneham, Mass.
III		S	
***	1		233 Goffe St., Quincy, Mass.
III			I Court St., Belfast, Me.
III			Buffalo, Wyo.
	I		52 Pleasant St., Bradford, Mass.
	I		45 Center St., Roxbury, Mass.
V	2		45 Lagrange St., Boston, Mass.
	1		Haverford, Pa.
	1		I Hermon Terrace, Newton, Mass.
	1		65 Dodge St., Beverly, Mass.
	1		2576 Magnolia Ave., Chicago, Ill.
	1		1013 Park Ave., Kansas City, Mo.
XIII A	3		New York, N. Y.
IV	4	S	Avondale, Pa.
	1		2224 Benton B'lv'd., Kansas City, Mo.
	1		130 Ash St., Waltham, Mass.
	1		467 Broadway, Cambridge, Mass.
	1		11 Nottingham St., Dorchester, Mass.
I	4	S	822 Fourth St., S. E., Minneapolis, Minn.
	1		98 Hillman St., New Bedford, Mass.
XIII	4	S	
VI	2		Riverhead, N. Y.
XIII	4		133 Lanvale St., W., Baltimore, Md.
II			Lincoln, Ill.
IX		S	5502 Margaretta St., Pittsburg, Pa.
VIII			41 High St., Everett, Mass.
	I		Georgetown, Mass.
I	100		711 Beach St., Manchester, N. H.
II			Wallingford, Conn.
II	-		454 Metropolitan Ave., Hyde Park, Mass.
**	1		745 Osceola Ave., St. Paul, Minn.
	*		149 coccan men on a non mann

Name and Society
Hinds, Frederich Williams
Hine, Daniel
Hinkley, Philip Edward J K E
Hinsdale, Kathryn Mills
Hirons, Frederick Charles
Hirt, Leon Edwin
Wine Harald Confold V 4 F
Hixon, Harold Garfield Σ A E
Hobson, George Foster
Hodge, William Edward
Hogel, William E.
Hogner, Per Richard Leonard
Holbrook, Arthur Raymond
Holbrook, Elmer Allen # 1 1
Holcombe, Amasa Maynard
Holliday, John Hampden, Jr. X @
Hollnagel, Herbert Percival
Holmes, Adison Francis
Holmes, Thomas Baclon
Homans, George Morris
Homer, Charles Lowell X 0
Honeyman, Bruce Ritchie
Hood, Raymond Mathewson θ J X
Hool, George Albert
Hooven, Arthur Tillson
Hopkins, Leonard Otis
Hopkins, Walter Austin # B E
Horton, Frederick Waters
Hosmer, Helen Ross
Hosmer, William Walter, Jr.
Hotchkiss, Walter Alvin
Houck, Carl Alfred
Hovey, Charles Emerson 1 T
Howard, Charles Alton
Howard, John Wardwell
Howard, Lewis Thomas
Howe, Robert
Howes, Charles Edward
Howes, Cyrus Pierce
Howes, Gretchen
Howland, Arthur Hathaway
Hoxie, Edward Ely
Hoy, Austin Young, A.B.
Hoy, Charles
Hoyle, William Howard
Hoyt, Robert Nelson
Hubbell, Henry Simonds

3	Course	Ye	ar	Home Address	
		I		Kirkstall Road, Newtonville, Mass.	
	XIII	2	S	54 Vernon St., Hartford, Conn.	
	II	2		57 Deering St., Portland, Me.	
	VII	1	S	Yonkers, N. Y.	
				360 Salem St., Medford, Mass.	
		I		South St., Brookline, Mass.	
	III	2		123 South Penn. Ave., Denver, Col.	
		I		26 Hanks St., Lowell, Mass.	
	VI			10 Bell Rock St., Malden, Mass.	
		I	S	144 West Sixteenth St., New York, N. Y.	
		I	П.	434 Massachusetts Ave., Boston, Mass.	
	I			Ashland, Mass.	
	Ш	-		61 Clinton St., Fitchburg, Mass.	
		3		13 Wildwood St., Winchester, Mass.	
		2		118 East Market St., Indianapolis, Ind.	
	VI		9	2164 Couler Ave., Dubuque, Iowa	
	II			41 Ruggles St., Boston, Mass.	
	**	I		216 Main St., Keene, N. H.	
	т.	3	s		
		3	9	926 Church St., Galvaston, Texas	
		I		63 North Twentieth St., Portland, Or.	
	TV			107 Cottage St., Pawtucket, R. I.	
	IV	2		29 Manchester St., Lawrence, Mass.	
	ш	6.7	c	323 Madison Ave., Scranton, Pa.	
	1	3	٥	South Framingham, Mass. Winthrop Road, Brookline, Mass.	
	***	I	0		
	III	-	0	150 School St., Somerville, Mass.	
		I		South Bellerica, Mass.	
		I		34 Noble St., Westfield, Mass.	
		1		Naugatuck, Conn.	
	1	2		97 High St., Buffalo, N. Y.	
		I		Portsmouth, N. H.	
	1/2	1		Yarmouthville, Me.	
		4		147 Grampian Way, Dorchester, Mass.	
	1	3		76 Erie St., Brockport, N. Y.	
		1		236 Bolton St., Marlboro, Mass.	
	1	I		9 Warren Sq., Jamaica Plain, Mass.	
		3		South Yarmouth, Mass.	
	VII		S	Woodland Road, Brookline, Mass.	
		2		49 Fifth St., New Bedford, Mass.	
		4		225 Longwood Ave., Boston, Mass.	
	XIII	3		461 North State St., Chicago, Ill.	
	X	3		122 East Hudson St., Elmira, N. Y.	
		I		1 Providence St., Providence, R. I.	
		1		40 Oak St., Hyde Park, Mass.	
		1		25 Highland Ave., Fitchburg, Mass.	

Name and Society C	course	Ye	ar	Home Address
Humphrey, Carl Thomas	I	2	S	Weymouth Center, Mass.
Humphrey, Edwin Rowland X ∅	II	4	S	50 Ashford St., Allston, Mass.
Humphrey, William Henry				50 Chestnut Ave., Waterbury, Conn.
Hunnewell, Mary Petle				Wellesley, Mass.
Hunt, Franklin Livingstone		2		19 Howard St., Waltham, Mass.
Hunt, George Fessenden		1		22 Beckett St., Portland, Me.
Hunter, Leroy Littlefield	I	4		591 East Forty-third St., Chicago, Ill.
Huntington, Charles McKay	XIII	100		18 St. Stephen St., Boston, Mass.
Hurley, Edmund Joseph		3		100 Lebanon St., Malden, Mass.
Hursh, Robert		I		186 Upland Road, North Cambridge, Mass.
Huse, Arthur Wood	I	4	S	
Hutchins, Charles Morton θX	-	I		149 West Water St., Rockland, Mass.
Hyde, Edward Ruddock & X		I		38 Pinckney St., Somerville, Mass.
Hyde, Stanley Taber	x			33 Harris St., Waltham, Mass.
Ingalls, Roger Philip	VI			Lexington, Mass.
Ingram, Ralph Osborne # 1 1	II			90 Knox St., Lawrence, Mass.
Jackson, Henry Louis		2		2 Jewett Place, Utica, N. Y.
		-	C	33 Oak Sq., Brighton, Mass.
Jackson, Ralph Cushman			S	
Jackson, Ralph Hahnemann	137		13	335 Center St., Jamaica Plain, Mass.
Jackson, Robert Fuller	IV	100		15 Center St., Brookline, Mass.
Jacobs, Alfred Henry	IV			204 Lansome St., San Francisco, Cal.
Jacobson, Henry Forsberg	VI	3	0	Hastings, Neb.
Jameson, Sarah Janet	VII		S	18 Tremont St., Charlestown, Mass.
Jansson, Arthur Harold		1		Mt. Pleasant Ave., Malden, Mass.
Janvrin, Robert Dolliver	777	I	0	Janvrin Ave., Revere, Mass.
Jason, George, Jr.				Cohasset, Mass.
Jenkins, Austin Dickinson, B.A. A Δ Φ				24 Alveston St., Jamaica Plain, Mass.
Jenkins, Ernest F.	-		-	35 Glenarm St., Dorchester, Mass.
Jewett, Frank B., A.B., Ph.D. 17			-	139 Bellefontaine St., Pasadena, Cal.
Jewett, Kenneth Dubois			S	224 Blossom St., Fitchburg, Mass.
Jewett, Thomas Edward		2		72 St. Stephen St., Boston, Mass.
Johansson, Frederick Victor	VI			316 Dudley St., Roxbury, Mass.
Johnson, Bertrand Leroy	Ш	2		Stoneham, Mass.
Johnson, Charles Edward θX		I		119 Tremont St., Boston, Mass.
Johnson, Charles Henry	II	2	S	13 Orchard St., Haverhill, Mass.
Johnson, Frank	I	4		167 Broadway, Lawrence, Mass.
Johnson, Henry Russell		1		155 Forest Ave., Atlanta, Ga.
Johnson, Joseph Warren		1		30 Sumner St., Dorchester, Mass.
Johnson, Natt Madison	I	3		Albany, Vt.
Johnston, Charles Wiswell	III	2		1 Copeland Place, Roxbury, Mass.
Johnston, John Frederick, Jr.		1		16 St. Botoph St., Boston, Mass.
Jones, George Bayard	11	2		4337 Wash. Boulevard, St. Louis, Mo.
Jones, John Larrabee	VI	4		1871 Forest Ave., Portland, Me.
Jones, Joseph Russell	III			Highland Park, Ill.
Jordan, Robert Rishworth & K E	II	4	S	
Joseph, Jesse Strassburger	11			815 Federal St., Allegheny, Pa.

Name and Society	Course Year Home Address	
Joslin, Gilman Burt	XIII 2 46 Burrows St., Jamaica Plain, Ma	SS.
Joyce, Arthur Lee	1 4 Hubbard Ave., Cambridge, Mass.	
Joyce, Clarence Mason	V 4 19 Park St., Medford, Mass.	
Juengling, Karl Frank	1 518 Kennard St., Cleveland, Ohio	
Kahn, Isa Wolfner	1 501 St. James St., Peoria, Ill.	
Kaiser, George Karl	VI 3 171 Banks St., New London, Conn.	
Kalmus, Herbert Thomas	VIII 3 S 5 Howe St., Dorchester, Mass.	
Kane, James Allen	I Long Green, Baltimore Co., Md.	
Kasson, Charles LeBaron	I 17 Wentworth St., Dorchester, Mas	s.
Kaufman, Lewis Rogers # A K	IV 4 S 1609 Fourth Ave., Louisville, Ky.	
Kearny, Philip John A Y	II 4 Navy Yard, Charlestown, Mass.	
Kearney, Stephen	1 312 Market St., Lowell, Mass.	
Keen, Walter Thomas	II 2 Jewett City, Conn.	
Keen, William Herbert	V 2 67 Newhall St., Malden, Mass.	
Keenan, Joseph Augustine	II 3 8 West Fifth St., South Boston, Ma	SS.
Kehew, Francis Donaldson	III 4 104 Inman St., Cambridge, Mass.	
Keith, Edwin	II 2 S Bridgewater, Mass.	
Keith, Henry Hiram W.	XIII 2 139 North St., New Bedford, Mass.	
Keleher, Andrew Hamilton	1 457 Quincy St., Dorchester, Mass.	
Keller, Dennie Kelley	IX 3 Canton, Mass.	
Kelley, Daniel Patrick G.	1 109 Kenwood Road, Roxbury, Mas	s.
Kelley, Frank Augustus H.	1 63 Elm St., Stoneham, Mass.	
Kelley, Ralph Dudley	I South Yarmouth, Mass.	
Kelling, Alfred Herman	V 2 910 North Ave., Milwaukee, Wis.	
Kelly, Edward Francis	1 30 Boylston St., Jamaica Plain, Ma	iss.
Kemper, William Arthur Φ Σ K	I 3 19 West Granite St., Butte, Mont.	
Kendall, Burton Warren θX	361 Chestnut St., Gardner, Mass.	
Kendall, Harry Stillman	I 3 361 Chestnut St., Gardner, Mass.	
Kennedy, H. Anna	VII 4 S South Weymouth, Mass.	
Kennedy, Henry Hoffman, A.B.	IV 2 S Freedom, Md.	
Kennedy, Patrick James, Jr. θ X	1 464 Maple St., Holyoke, Mass.	
Kennedy, Roy Guthrie, A.B.	1 65 Ashland Ave., Buffalo, N. Y.	
Kerr, Andrew Σ X	1 317 Forest St., Medford, Mass.	
Kershaw, George Elliott	XIII 3 S 25 Dell St., Somerville, Mass.	
Ketcham, William Chapin	1 (Box 472) Indianapolis, Ind.	
Keyes, Henry Francis, A.B.	IV 3 S 15 Bishop St., Jamaica Plain, Mas	s.
Kibbey, Rinker	III 2 Marshfield Hills, Mass.	
Kidder, James William θX	1 41 Franklin St., Somerville, Mass.	
Kilham, Frances Rogers	VII 3 S 8 Thorndike St., Beverly, Mass.	
Killion, Louis John	I 2 49 Crawford St., Roxbury, Mass.	
Kimball, Alfred Whitefield	V 4 51 Fair St., Newburyport, Mass.	
Kimball, William Francis	1 140 Highland Ave., Middletown, N	. Y.
King, Carl	II 3 185 Davis Ave., Brookline, Mass.	
King, Robert Joshua	III 4 Billerica, Mass.	
Kingsbury, Harold Avery	1 26 Pearl St., Westfield, Mass.	
Kinnear, John Charles	1 10 Piedmont St., Salem, Mass.	

Name and Society
Kirby, Arthur Collins
Klahr, Charles Dean
Knapp, William Jared J K E
Knight, Elliot Walker # I' J
Knight, Ralph Frank
Knowlton, Cutler Dean
Koppleman, William H., B.A.
Krag, Frederick Schuyler # I' J
Kramer, Henry
Kriegsman, Eugen Frederick
Lackman, Herman William Y X
Lage, Frederico
Lage, Jorge
Lage, Renand, B.S. # A K
Lalley, William Hugh
Lamer, Philip Renker, M.E.
Lamb, John Edwin
Lamb, Sidney Rivers
Lambie, James McClurg X @
Lamphier, Marcia Allen
Lampie, Abraham
Lansy, Leon Karl
Lang, Alfred Ernest Ø F J
Lang, Currier J K E
Langley, Arthur Hooper
Langworthy, Frank Herbert
Lasher, Clarence Emmet
Latham, Bernard Wilson
Lawrence, Ralph Chester
Lawrence, Waldron Gustine
Lawton, Joseph Thomas, Jr. 4 /
Lawton, Richard Mack # B E
Leavitt, Charles Evans
Lee, John Josiah
Lee, Lawrence Hargreave
Leh, Harold Marcus
Leland, Henry Forrest
Lemner, Cecilia Agnes
Lenth, George Casper Doering
Leonard, John Kelley
Levine, Harry
Levy, Ernest Coleman, M.D.
Lewenberg, Harry Louis
Lewis, Henry Francis & T &
Lewis, Warren Kendall
Libbey, Fay Wilmott

-		_	TQUE VOLIKVII
Course	Ye	ear	Home Address
	I		54 Ashland St., New Bedford, Mass.
II	2		Clarion, Pa.
11	I		
III	25		249 East Forty-ninth St., Chicago, Ill.
111	10.0		15 Coolridge St., Brookline, Mass.
377	1		Hudson, Mass.
VI			(Box 44) Rockport, Mass.
1	3		605 North Carrolton Ave., Baltimore, Md. "The Aspinwall," Brookline, Mass.
I	3	S	97 Florence St., Roslindale, Mass.
	2		22 Stanwood St., Providence, R. I.
II	3	S	Glendale, Ohio
	1		Rio de Janerio, Brazil
	1		Rio de Janeiro, Brazil
XIII	4		Rio de Janeiro, Brazil
I	2	S	1448 Park Ave., Bridgeport, Conn.
			Augusta, Ga.
	I		Spencer, Mass.
II	2	S	
II	2		Washington, Pa.
			120 Hamilton Ave., Lynn, Mass.
	I		28 Greenwood St., Dorchester, Mass.
II	2	S	757 West Market St., Lima, Ohio
IV			8 Green St., Lawrence, Mass.
I			24 Irving St., Cambridge, Mass.
I	3	s	253 High St., Newburyport, Mass.
II	-		94 Hanover St., Lynn, Mass.
	I		North Adams, Mass.
II			18 Pearl St., Willimantic, Conn.
11	1		26 Highland Ave., Fitchburg, Mass.
	ī		34 Sargent St., Roxbury, Mass.
			그리다 그렇게 하면 이렇게 되었다. 그리 전사를 보았다면 되었다면 하면 하면 하다 하다 하다 하다 되었다.
	I		Clifton Ave. and Tenth St., Baltimore, Md
XIII			213 Pawtucket Ave., Lowell, Mass.
A SUVE		0	Weymouth, Mass.
	3		Bucksport, Me.
VI			369 Hudson St., Buffalo, N. Y.
II	-	S	1006 Walnut St., Allentown, Pa.
	1		483 Broadway, South Boston, Mass.
VII		S	
I	100		1215 West Grace St., Chicago, Ill.
VI		S	41 Huntington Ave., Boston, Mass.
I			6 Morton St., Boston, Mass.
VII	3	S	Richmond, Va.
-	1		40 Linwood St., Roxbury, Mass.
VIII			604 Huron St., Toronto, Ont.
X	2		Laurel, Del.
	1		51 Howard St., Bangor, Me.

Name and Society	Course Y	ea	ır	Home Address
Libbey, George Eastman	II	4	S	147 Wyoming Ave., Melrose, Mass.
Lichtenstein, Milton		I		2325 Bush St., San Francisco, Cal.
Light, Hunter Ulrich		I		526 Cumberland St., Lebanon, Pa.
Lincoln, Paul		I		27 Russell St., Malden, Mass.
Lincoln, William Hamilton		1		413 Cherry St., West Newton, Mass.
Lindsley, Ben Edwin # I' 4	III	2		2718 Forest Ave., Kansas City, Mo.
Litchman, Harold Bartlett	III	4		Marblehead, Mass.
Littig, Charles Ross 2 1 E		I		1010 Cathedral St., Baltimore, Md.
Littlefield, Emmet	I	4		60 Maple Ave., Troy, N. Y.
Littleton, Stephen Berton	XIII	2		Chelsea, Mass.
Livermore, Robert, A.B.	III	4		34 Alveston St., Jamaica Plain, Mass.
Lochridge, Elbert E., B.S. 2 X	XI	3	S	240 West Newton St., Boston, Mass.
Lombard, Eugene	XIII	2	S	Dedham, Mass.
Lombard, Norman & K E	II	2		1805 Jefferson St., Kansas City, Mo.
Loomis, Dan Austin		I		727 State St., Springfield, Mass.
Loomis, Warren Weston	VI	2		Windsor, Conn.
Lord, Clarence Arthur P B E	I	2		522 South Main St., Woonsocket, R. I.
Lord, Forrest Wells		1		16 Ashland St., Melrose, Mass.
Lord, Harold		1		30 Auburn St., Malden, Mass.
Lord, Israel Pierre	IV	3	S	
Lord, Robert Howard William	II	2		56 Waverley Ave., Newton, Mass.
Lorenz, Edward Henry, B.S. A X F	, DBKII	2		96 Garden St., Hartford, Conn.
Loring, Henry Delano θX		I		94 Hudson St., Somerville, Mass.
Loughlin, Gerald Francis	XII	4		16 Thornley St., Dorchester, Mass.
Loughlin, John Sherwood	II	2		16 Thornley St., Dorchester, Mass.
Lounsbury, William C.	VII	4	S	66 Montclair Ave., Roslindale, Mass.
Lourie, William Isaac		1		30 Allen St., Boston, Mass.
Lovejoy, Roy Fisk	IX	2		813 Broadway, Lowell, Mass.
Lovett, Joseph Lamson	I	2	S	71 Farnham St., Lawrence, Mass.
Low, Harry Raymond & I' J	III	4		234 West Elm St., Brockton, Mass.
Lowry, Harold Keyes		3	S	156 Mt. Auburn St., Cambridge, Mass.
Luce, Robert Francis	I	2		12 Stevens Place, Melrose, Mass.
Lueth, Clarence James		I		City Hotel, Webster, Mass.
Luguer, Lynch, A.B.	IV	4	S	1443 Rhode Island Ave., Washington, D. C.
Lum, Elliott & T &	VI	2		Aberdeen, South Dakota
Lumbert, William James		1		(Box 287) Walpole, Mass.
Lundin, Laura Marie	VIII	4	S	613 Puritan Ave., Cambridge, Mass.
Lutze, Fred Clemens	IV	2	S	1434 N. J. Ave., Sheboygan, Wis.
Lynch, John Edward, Jr.	II			10 Pinckney St., Boston, Mass.
Lynch, William Duncan	v	3		10 Pinckney St., Boston, Mass.
Lynde, Clifford		1		90 Taylor St., Waltham, Mass.
Lynde, Harry Milton	I	2		90 Taylor St., Waltham, Mass.
Lyon, Alpheus Crosby # I A	XIII	3		735 Main St., Bangor, Me.
Lyon, James Lawrence	II	-		320 High St., Central Falls, R. I.
Lyon, Waldo Vinton	VI			21 Providence St., Woonsocket, R. I.
Lyons, Robert Joseph		1		270 Lake Ave., Manchester, N. H.

Name and Society	Course	Y	ear	Home Address
McBriar, Wallace Noble	11	2		I Williams St., Brookline, Mass.
McBride, Lewis Bowen X Ø	XIII A	. 3		Columbia, Pa.
McClung, Samuel Alfred, Jr. X @			S	
McConnell, Frank William		2		61 Mascot Ave., Dorchester, Mass.
McCornack, Clyde Webster Φ Δ θ	1	4		1087 North Broad St., Galesburg, Ill.
McCornack, Walter Ray Φ Δ θ		4		1087 North Broad St., Galesburg, Ill.
McCue, Henry Michael		I		781 Broadway St., Lowell, Mass.
McEntee, William	XIII A			Montgomery, Minn.
McGinnis, Claude Stonecliffe		1		2046 Park Ave., Indianapolis, Ind.
Mcintosh, Charles Jewell & T	TI	4		Racine, Wis.
McKay, Richard, Jr.	**	I		East Milton, Mass.
McKenna, John Andrew	TI	4		Brierly Brook, Antigonish, N. S.
McKernan, Joseph Newall		I		
McManus, John Herbert	XI			70 High St., Westerly, R. I. 2 Winter St., Dorchester, Mass.
McMenimen, William Vincent		-37		
McQuaid, John Delaney # 2 K				82 Otis St., Cambridge, Mass.
Macdonald, George M., B.Sc.	11			134 Dwight St., Holyoke, Mass.
	11			Truro, N. S.
MacDonald, Howard Jeremiah MacGregor, Roderick James	W	I		87 Somerset St., Bangor, Me.
	VI			South Lincoln, Me.
Machado, Joas Martins	II			Nagé, Brazil
Macintyre, Horace James	11	2		122 Mt. Pleasant Ave., Roxbury, Mass.
Mack, Paul Wardlaw		1		Williams Bridge, New York, N. Y.
MacMillan, Frederick Ebenezer & T		1	-	r Grant St., Haverhill, Mass.
Madero, Benjamin	IX			Parras, Coahuila, Mexico
Magee, George Merrill	IV			Wenham Depot, Mass.
Magnitzky, Albert Louis				127 Chestnut Ave., Jamaica Plain, Mass.
Magnuson, Mark Graham # 1 1	III	-		1909 Rondo St., St. Paul, Minn.
Mahar, John Theodore		1		62 L St., South Boston, Mass.
Mailey, Roy Davis	VIII			12 Howard St., Lynn, Mass.
Manahan, Robert Fulton	III	4		14 Newbury St., Boston, Mass.
Mann, Herbert James		I		751 Pine Grove Ave., Chicago, Ill.
Manning, Eleanor Madaline		I		26 Beacon Hill Ave., Lynn, Mass.
Mansfield, Albert Preston		I		Rural Del. R. I., Wakefield, Mass.
Manson, Arthur James	VI	3		23 Lindsay St., Dorchester, Mass.
Manson, Edward Scoefield		1		605 Fourth St., Wausau, Wis.
Manson, Gyula Bennett	III			200 Trenton St., East Boston, Mass.
Manta, Philip Prada				(Box 224) Provincetown, Mass.
Manter, Carlton Holmes	IV	2	S	125 Broadway, Taunton, Mass.
Marcy, Grosvenor DeWitt	II	2		103 Ocean St., Dorchester, Mass.
Maroney, Agnes Teresa, A.B.	VII	3	S	52 Collins St., Lynn, Mass.
Marsh, Howard Lyford		1		4 Iona St., Dorchester, Mass.
Marsh, Richard Oglesby ₱ B E	I	2	S	Warsaw, Ill.
Marsh, William Coobaugh Ø B E				Warsaw, Ill.
Marston, John Rufus	V			98 Mechanic St., Marlboro, Mass.
Marston, William, A.B.	II	3	S	1205 Cathedral St., Baltimore, Md.
Martenet, Simon Jonas 2 A E	V	3	S	1503 East North Ave., Baltimore, Md.
THE RESIDENCE OF STREET OF STREET, STR		1 (2)		

Name and Society	Co
Martin, Arthur Safford	
Martin, William Chaille, M.S.	
Mason, Eugene Waterman, Jr. W Y	
Mason, Marquis Edgar	
Mason, Steven Nickerson	
Mathesius, Anthony Paul & B	
Matteossian, Zenas, A.B.	
Mayer, Charles Benajah	
Maxfield, Albert Preston	
Maxfield, Louis Henry & K E	
Mead, Edward Arnold	
Mens, James Howard	
Mears, Henry Savier	
Mears, Joseph Archibald, Jr.	
Meggison, John Alexander	
Merriam, Harry Caleb	
Merriam, Marshall Gage	
Merrick, Silas Clarence X 0	
Merrill, Alden	
Merrill, Ambrose Moody	
Merrill, Florence	
Merrill, Herbert Chandler	
Merrill, Oscar Charles, A.B.	
Merriman, Fred Knights	
Merrow, Harold Kay	
Merryweather, Hubert 1 1	
Messenger, Winthrop Norton	
Metcalf, Edward Harris, A.B.	
Middleton, Elizabeth Hall	
Miller, Andrew Otterson & K E	
Miller, Blaine H. A K E	
Milliken, Frank Wellman	
Mitchell, Harold Carlyle	
Mitchell, William Edward	
Moffat, William Andrew	
Mohler, David D.	
Molina, Vincente	
Monaghan, John Edward	
Monroe, Walter Nathan	
Monsarrat, Charles Reginald Φ J θ	
Montanus, Paul Armstrong	
Montgomery, Frank Park	
Mooers, Ben Clayton	
Moore, Fred	
Moore, James Gates	

Name and Society	Course Yea	ar	Home Address
Martin, Arthur Safford	XII 4	S	224 Huntington Ave., Boston, Mass.
Martin, William Chaille, M.S.	V 4	S	Kyrle, Texas
Mason, Eugene Waterman, Jr. # 1	IV 4	S	149 Waterman Ave., Providence, R. I.
Mason, Marquis Edgar	V 3		45 North Lincoln Ave., Chicago, Ill.
Mason, Steven Nickerson	X 4		Wakefield, Mass.
Mathesius, Anthony Paul Φ B E	1		355 West 145th St., New York, N. Y.
Matteossian, Zenas, A.B.	IV	S	Constantinople, Turkey
Mayer, Charles Benajah	IV 2		16 West Doty St., Madison, Wis.
Maxfield, Albert Preston	1		Wakefield, Mass.
Maxfield, Louis Henry & K E	1		627 Goodrich Ave., St. Paul, Minn.
Mead, Edward Arnold	VI 2		335 Main St., Milford, Mass.
Mens, James Howard	VII 2	S	196 Beacon St., Boston, Mass.
Mears, Henry Savier	1		721 Flanders St., Portland, Or.
Mears, Joseph Archibald, Jr.	VI 4		234 South Main Ave., Scranton, Pa.
Meggison, John Alexander	II 2		36 Pearl St., Amsbury, Mass.
Merriam, Harry Caleb	I		175 Prichard St., Fitchburg, Mass.
Merriam, Marshall Gage	II 2		Pepperell, Mass.
Merrick, Silas Clarence X @	II	S	1435 Third Ave., New Brighton, Pa.
Merrill, Alden	V 2		16 Tremlett St., Dorchester, Mass.
Merrill, Ambrose Moody	XIII 3	S	9 1-2 Prospect St., Newburyport, Mass.
Merrill, Florence	VII 1	S	Andover, Mass.
Merrill, Herbert Chandler	X 4		38 Main St., Peabody, Mass.
Merrill, Oscar Charles, A.B.	I 3		Auburn, Me.
Merriman, Fred Knights	I 3		134 Walnut St., Brockton, Mass.
Merrow, Harold Kay	V 2		13 Williams Ave., Hyde Park, Mass.
Merryweather, Hubert & T	I 3		639 Forest Ave., Cincinnati, Ohio
Messenger, Winthrop Norton	I		Melrose Highlands, Mass.
Metcalf, Edward Harris, A.B.	II 3	S	282 Berkley St., Boston, Mass.
Middleton, Elizabeth Hall	VII 2	S	48 Oak St., Hyde Park, Mass.
Miller, Andrew Otterson & K E	VI 3		97 Sixth Ave., Brooklyn, N. Y.
Miller, Blaine H. A K E	I 3	S	1429 North Penn St., Indianapolis, Ind.
Milliken, Frank Wellman	I 3	S	39 Sycamore St., New Bedford, Mass.
Mitchell, Harold Carlyle	I 2		(Box 317) Ottawa, Canada
Mitchell, William Edward	VI 4		(Box 141) Milton, Mass.
Moffat, William Andrew	I		35 London St., Lowell, Mass.
Mohler, David D.	X 4		320 South Sahwath, Colorado Spgs., Col.
Molina, Vincente	I 2	S	Merida, Yucatan, Mexico
Monaghan, John Edward	1		319 Fourth St., South Boston, Mass.
Monroe, Walter Nathan	VI 2		24 East Cottage St., Roxbury, Mass.
Monsarrat, Charles Reginald & J H	II 3	1	
Montanus, Paul Armstrong			183 South Yellow Springs St., Springfield, O
Montgomery, Frank Park	VI 4		Brunswick, Me.
Mooers, Ben Clayton	VI 3		1010 Fourth Ave., Seattle, Wash.
Moore, Fred	1		93 Spangler St., Cleveland, Ohio
Moore, James Gates	1		Savonna, N. Y.
Moorehead, Theodore Parker X @	I 2		I. M. Customs, Foo Chow, China

Morey, Charles Burrows Morley, Herbert, B.S. Morrill, Leon Gilbert Z X	177	1		vor Denem Ave Buffelo N V
Morrill, Leon Gilbert 2 X	377			101 Depew Ave., Buffalo, N. Y.
Morrill, Leon Gilbert 2 X	VI	4	S	117 Cedar St., Newton Center, Mass.
				Norwood, Mass.
Morris, John Misoroon		1		Ford Getty, Charlestown, S. C.
Morrison, Edward Stanley	VI	- 77		411 Canal St., Lawrence, Mass.
Morse, Howard Scott		4		260 Ames St., Dedham, Mass.
	XIII			그렇게 하게 되었다. 이 이번 그리지 하면 하면 하면 하면 되었다. 그리지 않는 그리지 않는데 하다 그리고 있다.
Morse, Robert Brooks, A.B.	1			1406 Mt. Royal Ave., Baltimore, Md.
Morse, Robert Wilbur		2		49 Holbrook St., Jamaica Plain, Mass.
Morse, Willard Vaughan	III			Aquascalientes, Mexico
Moseley, Charles Bartlett, Ph.B				Needham, Mass.
Motter, William Duffield 1 1	111	2	S	711 Robidoux St., St. Joseph, Mo.
Mowry, Charles William		1		63 Warren St., Fall River, Mass.
Muhahy, Annie M.	VII	4	S	924 Fourth St., South Boston, Mass.
Mulherin, Charles Patrick, A.B.	I	4		1211 Green St., Augusta, Ga.
Munster, Agustus William	II	3		25 Grant St., Waltham, Mass.
Munroe, Harold Knapp		I		43 Warren Ave., Woburn, Mass.
Murphy, John Edward		1		Maple St., Framingham, Mass.
Murphy, Louis Sutliffe		1		4 Thurston St., Somerville, Mass.
Murr, Ilias Asàad, B.A.	I	2		Lebanon, Syria
Myers, Leonard Fred		2	S	
		2	-	1024 West Ninth St., Davenport, Iowa
Nabstedt, Harry Martin			9	## \$4.5 17 Late 17 call 18 cal
Nagle, Mortimer Livingstone E X	na lancacana		-	311 Beacon St., Boston, Mass.
Nash, Alice Mildred	V11		0	South Weymouth, Mass.
Nash, Samuel Aubin		1		Brookline, Mass.
Neal, Clarence Atkins 2 A E			5	318 Waldron Ave., Kansas City, Mo.
Needam, Harry Hampton	VIII	3		156 Larange St., West Roxbury, Mass.
Neilson, William	2000	1		232 Huntington Ave., Boston, Mass.
Nelson, Henry Hawkins, Jr.		2		16 Myrtle St., Jamaica Plain, Mass.
Nelson, Theodore	XIII	3		19 Mooreland Ave., Newton Center, Mass.
Nelson, William Andrew	XIII	3	S	Chicago, Ill.
Newberger, Wallace		1		763 Sixth St., Louisville, Ky.
Newkirk, Eliza Jacobus	IV	2	S	Wyncote, Pa.
Newman, Rolf Raymond	I	4		1055 South Figueron St., Los Angeles, Cal.
Newton, Sherley Purl		I		Cyrus, Mass.
Nibecker, Claude Pendleton	XI	4		Glen Mills, Pa.
Nichols, Henry George Σ A E		I		Melbourne, Australia
Nichols, Robert Porter 4 ?	XIII		S	Searsport, Me.
	2111	I	-	Melbourne, Australia
Nichols, Utar James 2 A E				
Nicholson, Dow Hiram		2		30 Spring Park Ave., Jamaica Plain, Mass.
Nickerson, Frederic X Ø	IV		c	210 West Arrellaga, Santa Barbara, Cal.
Nickerson, Lester Willis			0	217 Pleasant St., Brockton, Mass.
Niditch, Isadore	V		_	49 Oswego St., Boston, Mass.
Nields, Benjamin A W			5	826 Market St., Wilmington, Del.
Niles, Elliot Wright	VIII	3		561 Boylston St., Boston, Mass.
Nolan, Thomas Alphonsus		1		19 Paul Gore St., Jamaica Plain, Mass.
Nordyke, Addison Haynes, Jr. # /	1	1		1117 No. Delaware St., Indianapolis, Ind.

Name and Society	Course	Yea	ır	Home Address
Northrup, Carl Frederick		1		Bellows Falls, Vt.
Norton, George Chester	IV	2	S	Care of Taylor & Norten Co., Rome, Ga.
Norton, George Roswell		I		73 Hudson St., Somerville, Mass.
Norton, Harold Lee	III	4		27 Pearl St., Medford, Mass.
Norton, John Foote		ī		5832 Washington Ave., Chicago, Ill.
Noyes, Harry Fordham	III			251 Auburndale Ave, Auburndale, Mass.
Nutter, Charles Warren		I		58 Heard St., Chelsea, Mass.
Nutter, Harry Godfrey	VI	4		56 Heard St., Chelsea, Mass.
Nutter, Ralph Herbert			8	Congress St., Lynn, Mass.
Nyce, Joseph Crawford	VI		_	5 Columbus Sq., Boston, Mass.
Oaks, Henry Lane			S	South Framingham, Mass.
Obear, George Barrows		4	~	640 Western Ave., Lynn, Mass.
Obear, Howard Leslie	**		S	145 Hale St., Beverly, Mass.
O'Brien, James Joseph		î	~	11 Prospect St., Charlestown, Mass.
O'Connor, Arthur Wellington	TI		S	West Bridgewater, Mass.
O'Connor, Charles Timothy		I	-	119 Washington St., Peabody, Mass.
O'Connor, Martin Arthur	TT		S	282 Williams St., Providence, R. I.
Odell, John Ripley		4		581 Class Ave., Detroit, Mich.
Ohene, Theodore Carl, Jr.		1		5401 Ellis Ave., Chicago, Ill.
O'Farrell, Alphonsus		1		82 Dustan St., Brighton, Mass.
		ī		Cottage Ave., Winthrop, Mass.
O'Hara, James Randall, Jr.		1		
Oliver, Wilfred Nealy	v	4		26 St. Stevens St., Boston, Mass. 13 Rockland St., Roxbury, Mass.
Olmsted, Frederic Arthur		2		
O'Neil, Leo Francis, A.B.	V 1			50 Gloucester St., Boston, Mass.
Orcutt, Harvey Baxter	VIII	I		92 High St., Florence, Mass.
Ortseifen, Adolph	XIII			514 East Forty-sixth St., Chicago, Ill.
Osborn, Harold	VI		c	Columbia, S. C.
Osgood, Tom William, B.S.				1116 Fourth Ave., South Fargo, No. Dak.
Ovington, Earle Lewis				55 Rutland Sq., Boston, Mass.
Paddock, Morris V.	V	3	0	St. John, N. S.
Paddock, Orville Wood				3635 Washington Boul., St. Louis, Mo.
Page, Homer Olsen & E K				27 College Ave., Adrian, Mich.
Page, Raymond Felt	V		0	507 Center St., Newton, Mass.
Page, Roland Everett θX	***	1		67 Pleasant St., Clinton, Mass.
Paine, Paul McClary @ I' 4	III			422 West Biddle St., Baltimore, Md.
Paine, Wilfred Arnold			5	23 Illinois Ave., Central Falls, R. I.
Palmer, Guy Prescott	1	3		135 Highland Ave., Winchester, Mass.
Palmer, Robert	VI			Larchmont, N. Y.
Palmer, Virgil Maro		4		142 Marcus Ave., Willimantic, Conn.
Paquet, Victor Hugo	XIII			306 Hall St., Portland, Ore.
Parker, Edward Francis, Jr.	IX			3 Salem St., Reading, Mass.
Parker, Lewis Adelbert		1		1255 West Sixth St., Los Angeles, Cal.
Parker, Lovell Hallet		2	_	Osterville, Mass.
Parker, Paul Revere				24 Wendall St., Cambridge, Mass.
Parsons, Galt Fayette				601 Guard'n Tr't Bld., Baltimore, Md.
Patch, Emerette Ophelia				Lexington, Mass.
Patch, Ralph Reginald	1			Stoneham, Mass.
Patterson, Juliet Clary				8 Montrose St., Roxbury, Mass.
Patten, Jane Boit	VII		S	Manchester, Mass.
Paulson, Hans Krieger		1		21 Kastelovej, Kjöbenhaven, Denmark
Payne, Frank Edward	XIII			14 Webster St., Winchester, Mass.
Payne, James Harvey	X	2		108 South Fourth St., Wilmington, N. C.

Name and Society	Course	Ye	ar	Home Address
Peabody, Alfred	IX	3		19 Chestnut St., Salem, Mass.
Peabody, Alvin Luther		I		Little Neck, Ipswich, Mass.
Peabody, Octavius Libbey		I		21 Grant St., Haverhill, Mass.
Pearson, Albert William	VI			205 Park St., West Roxbury, Mass.
Pease, Leon Murray A A D			S	Toledo, Ohio
Peebles, Elizabeth Steele				56 Washington Park, Newtonville, Mass.
Peiler, Carl Ernest	VI	3		56 Allen Place, Hartford, Conn.
Peck, Orton Abner		I		3 Oxford Terrace, Boston, Mass.
Peirce, Chadwell Stuart				1300 Davis St., Evanston, Ill.
Pelton, Ernest Williams, A.B. X T	II	4		31 Garfield Place, Poughkeepsie, N. Y.
Pemberton, Henry Augustus X @		4		230 Woodland Rd., Auburndale, Mass.
Pendergast, Roland Ball	VI			
Percival, Harry Spaulding				283 South Union St., Burlington, Vt.
Perkins, Arthur				23 Dearborn St., Salem, Mass.
Perkins, Grafton Brookhouse		2		203 Lafayette St., Salem, Mass.
Perkins, Park Valentine θX		I		Bennington, Vt.
Perry, Edward D.	XIII		S	5 West Eighty-third St., New York, N. Y.
Perry, George Wason	XIII		-	99 Brooks St., West Medford, Mass.
Perry, Roland Ambrose			S	10 Chestnut St., Medford, Mass.
Phelps, Fred Sydney		I	~	Lowell St., Andover, Mass.
	Y	4		32 Broad St., Newburyport, Mass.
Philbrick, Joseph			8	20 College Ave., Waterville, Me.
Philbrick, Herbert Shaw		3	-	West Hanover, Mass.
Phillips, Lee		3		Amherst, Mass.
Phillips, Robert Stanley		3		Barnstable, Mass.
Phinney, Robert Morris		2		St. Louis, Mo.
Physeck, Percy Howard		4		Dutchtown, La.
Picord, Daniel Charles		3		57 South St., Campello, Mass.
Pierce, Fred Merton		3		Clayton, N. J.
Pierce, Howard LeRoy		3		Walbrook, Baltimore, Md.
Pinkerton, Thomas Coulson		I		165 Warren Ave., Wollaston, Mass.
Pinkham, Robert Sanborn	II			48 Bradstreet Ave., Beachmont, Mass.
Pirie, Frederick Alexander	III			84 Hunington Ave., Boston, Mass.
Pitner, Paul Jerome		4		55 Sycamore St., Somerville, Mass.
Place, Adolf Edwin				Francestown, N. H.
Place, Mark Hopkins		I		III Hutchings St., Roxbury, Mass.
Plummer, Harold Cleveland	VII	I	0	110 Princeton St., East Boston, Mass.
Plummer, Laura Susanna	A 11			18 Moreland Ave., Newton Center, Mass.
Polhemus, James Higbie		1		2 Atlantic St., Portland, Me.
Pollister, Edward Barker		I		14 Whitby Terrace, Dorchester, Mass.
Poole, Burnell	W	I		
Poole, Frederick Parsons		2		19 Concord Square, Boston, Mass.
Poor, Edward Joseph	1	2		3 Holby St., Salem, Mass.
Poor, Fred Weed		I		115 Lowell St., Peabody, Mass.
Porter, Arthur Peabody		3		Bath, N. H.
Porter, Charles H., A.B. 2 X		4		8 Green St., Providence, R. I.
Porter, Sam Graham, A.B.		4		1700 Congress Ave., Austin, Texas
Potter, Audrey Abraham		4		15 Mayfair St., Roxbury, Mass.
Potter, Nathaniel, Ph.B.	11	3		III Spring St., Rochester, N. Y.
Potter, Philip	377	1		Concord, Mass.
Pousland, Daniel Potter		2		8 Hancock St., Salem, Mass.
Powell, George Hardy A @	XIII			709 Park Ave., Baltimore, Md.
Prentiss, George William Σ A E	11	2		207 Elm St., Holyoke, Mass.

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Prichard, Julia Elizabeth Prince, Albert Senior Σ X Prodromos, Aristotle H. Proudfoot, Jordon McIntyre Pulsifer, Harrie Bridgeman Quinlan, George Austin, A.B. Rapier, John Bernard Rapp, Louis Ballauf J T Rathbone, John Valiean, B.S. J J Φ Rathbun, Frank DeGraff Rausch, Chester Corrad Ray, Edward Russell, B.A. Φ E Raymond, Charles Abel Raymond, Frank Everett Raymond, Frank Everett Raymond, Herbert Emmons Raynolds, Russell Peter X Φ Read, Albert Manton Φ B E Read, Edward Mason, Jr. Reed, William Frederick Redding, William Allen, Jr. Reed, Frank Carleton, A.M. Reed, Ralph Omer Φ X Reed, Ralph Omer Φ X Reed, Ralph Omer Φ X Reed, Ralph Omer B X Reed, Ra	Prescott, Albert George	II	2		14 Whitman St., Dorchester, Mass.
Prince, Albert Senior Σ X Prodromos, Aristotle H. Proudfoot, Jordon McIntyre Pulsifer, Harrie Bridgeman Quinlan, George Austin, A.B. Rapier, John Bernard Rapp, Louis Ballauf J Γ Rathbone, John Vallean, B.S. J J Φ Rathbun, Frank DeGraff Rausch, Chester Conrad Ray, Edward Russell, B.A. Φ II E Raymond, Charles Abel Raymond, Herbert Emmons Raynolds, Russell Peter X Φ Read, Albert Manton Φ B E Read, Edward Mason, Jr. Rech William Frederick Read, Edward Mason, Jr. Rech William Frederick Redding, William Allen, Jr. Reed, Frank Carleton, A.M. Reed, Ralph Omer Φ X Rododhouse, Melinda Ann Rhodes, Carroll Rhodes, George Irving Rice, Philip Bernard Rice, Rowland Greenville Rich, Charles James Rich, Edward Benjamin, A.B. Rich, Williston Canfield J T J Richards, Alexander Webster Richards, Nathaniel Atherton Richardson, Bertram Allen Φ B E Richardson, Charles Dana Richardson, Henry K. Richardson, Henry K. Richardson, Hang K. Richardson, Max Currier Richmond, Waldemar S. Ricker, Elmer Francis Riddell, Guy Crosby Riebel, Elroy Clemens Riley, Francis Bradford Riley, James Garfield Rinearson, William C., Jr. Σ X Rippey, Attwood Eugene Rivitz, Seymour Moses X 2 108 West Fourth St., Cincinnati, Ohio S Smyrna, Asia 1741 Briar Place, Chicago, Ill. Houston, Texas V 4 Lebanon, N. H. Houston, Texas V1 3 5 985 Government St., Mobile, Ala. Houston, Texas V1 3 5 396 Gavernment St., Mobile, Ala. Houston, Texas V1 3 5 396 Government St., Mobile, Ala. V1 3 1330 Chapel St., Cincinnati, Ohio V 4 4 Massachusetts Ave., Borton, Mass. V1 2 5 84 Ellery St., Cambridge, Mass. V1 2 5 758 Cates Ave., St. Louis, Mo. V1 3 5 758 Cates Ave., St. Louis, Mo. V1 4 5 Cottage St., Brooklyn, N. Y. V1 5 Scituate, Mass. V1 2 S North Reading, Mass. V1 2 S North Reading, Mass. V1 2 S North Reading, Mass. V1 2 S Oz Plymouth Ave., Buffalo, N. Y. V1 5 Scituate, Mass. V1 2 S Oz Plymouth Ave., Buffalo, N. Y. V1 6 Cottage St., Brookline, Mass. V1 8 Tottage Frank College, Mass. V1 9 Spiron Ave., S W., Washington, D. C. V1 9 Summra St., Jamaica Plain, Mnss. V1 2 S Oz Plym		VII		S	
Prodomos, Aristotle H. Proudfoot, Jordon McIntyre Pulsifer, Harrie Bridgeman Quinlan, George Austin, A.B. Rapier, John Bernard Rapp, Louis Ballauf J J σ Rathbun, Frank DeGraff Rausch, Chester Conrad Ray, Edward Russell, B.A. φ II E Raymond, Charles Abel Raymond, Frank Everett Raymond, Herbert Emmons Raynolds, Russell Peter X φ Read, Albert Manton φ B E Read, Edward Mason, Jr. Rech William Frederick Redding, William Allen, Jr. Reed, Frank Carleton, A.M. Reed, Ralph Omer θ X Reed, Ralph O	Prince, Albert Senior Y X	X	2		
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Rapp, Louis Ballauf JT Rathbone, John Vallean, B.S. J J Ø Rathbun, Frank DeGraff Rausch, Chester Conrad Ray, Edward Russell, B.A. Ø // E Raymond, Charles Abel Raymond, Frank Everett Raymond, Herbert Emmons Raynolds, Russell Peter X Ø Read, Albert Manton Ø B E Read, Albert Manton Ø B E Read, Albert Manton Ø B E Read, Raph Omer Ø X Reed, Ralph Omer Ø X Reed, Rufus Cook Regan, John Ward Regestein, Walter Philip Reinhardt, Jacob Brunn Ø Y K Rhodehouse, Melinda Ann Rhodes, George Irving Rice, Philip Bernard Rice, Rowland Greenville Rich, Charles James Rich, Hedward Benjamin, A.B. Rich, Williston Canfield J T J Richardson, Bertram Allen Ø B E Richardson, Charles Dana Richardson, Frederick L. W, A.B. Richardson, Max Currier Richardson, Max Currier Richardson, Max Currier Richardson, Max Currier Richardson, Frederick L. W, A.B. Richardson, Max Currier Richardson, Max Currier Richardson, Waldemar S. Ricker, Elmer Francis Riddell, Guy Crosby Riebel, Elroy Clemens Riley, Francis Bradford Rausch, Chester Conrad Ray, Edward Russell, BeA. Ø // E X 3 37 Huntington Ave., Byde Park, Mass. 11 2 Essex, Mass. 12 Essex, Mass. 132 Elsey St., Cambridge, Mass. 11 2 S 5738 Cates Ave., St. Louis, Mo. 11 1 2 S 5738 Cates Ave., St. Louis, Mo. 11 1 2 S 5738 Cates Ave., St. Louis, Mo. 11 2 S 778 Franklin St., Pawtucket, R. I. 11 2 S 5738 Cates Ave., St. Louis, Mo. 11 3 S 63 Summit St., Pawtucket, R. I. 11 2 S 5738 Cates Ave., St. Louis, Mo. 11 3 S 63 Summit St., Pawtucket, R. I. 11 2 S 5738 Cates Ave., St. Louis, Mo. 11 3 S 27 Clinton Ave., Denver, Col. 11 3 S 5738 Cates Ave., St. Louis, Mo. 11 1 S 2 S 778 Cates Ave., St. Louis, Mo. 11 2 S 279 Plymouth Ave., Buffalo, N. Y. 11 5 Scituate, Mass. 12 S 29 Plymouth Ave., Buffalo, N. Y. 13 S 516 Stuate, Mass. 14 4 Winchester St., Boston, Mass. 15 Thrird Ave., Chicago, Ill. 16 S 738 Cates Ave., St. Louis, Mo. 17 S 70 Franklin St., Melrose Highlands, Mass. 18 S 131 Prot Ave., Chicago, Ill. 2 S 29 Plymouth Ave., Suff					
Rathbone, John Vallean, B.S. J Φ Rathbun, Frank DeGraff Rausch, Chester Corrad Ray, Edward Russell, B.A. Φ H E Raymond, Charles Abel Raymond, Frank Everett Raymond, Frank Everett Raymond, Frank Everett Raymond, Herbert Emmons Raynolds, Russell Petr X Φ Read, Albert Manton Φ B E Read, Edward Mason, Jr. Reed William Frederick Redding, William Allen, Jr. Reed, Frank Carleton, A.M. Reed, Ralph Omer θ X Reed, Rufus Cook Regan, John Ward Regestein, Walter Philip Reinhardt, Jacob Brunn Φ Σ K Rhodehouse, Melinda Ann Rhodes, Carroll Rhodes, George Irving Rice, Philip Bernard Rice, Rowland Greenville Rich, Charles James Rich, Edward Benjamin, A.B. Rich, Williston Canfield J T Δ Richardson, Bertram Allen Φ B E Richardson, Charles Dana Richardson, Frederick L. W , A.B. Richardson, Hard Currier Richardson, Max Currier Rich					
Rathbun, Frank DeGraff Rausch, Chester Conrad Ray, Edward Russell, B.A. Φ II E Raymond, Charles Abel Raymond, Frank Everett Raymond, Frank Everett Raymond, Herbert Emmons Raynolds, Russell Peter X Φ Read, Albert Manton Φ B E Read, Edward Mason, Jr. Rech William Frederick Redding, William Allen, Jr. Reed, Ralph Omer θ X Reed, Ralph Omer θ X Reed, Rufus Cook Regan, John Ward Regestein, Walter Philip Reinhardt, Jacob Brunn Φ Σ K Rhodehouse, Melinda Ann Rhodes, Carroll Rhodes, George Irving Rice, Philip Bernard Rice, Rowland Greenville Rich, Charles James Rich, Edward Benjamin, A.B. Rich, Williston Canfield J T J Richardson, Bertram Allen Φ B E Richardson, Charles Dana Richardson, Frederick L. W , A.B. Richardson, Henry K. Richardson, Max Currier Richardson, Frederick L. W , A.B. Richardson, Max Currier Richardson, Max Currier Richardson, Frederick L. Read, Ralph Omer θ X K Rodder Ralph Omer θ X K Rodden Regestein, Walter Philip Reinhard, Jacob Brunn Φ X K Rodden Regestein, Walter Philip Reinhard, Jacob Brunn Φ X K Rodden Regestein, Walter Philip Reinhard, Jacob Brunn Φ X K Rodden Regestein, Walter Philip Reinhard, Jaco					
Rausch, Chester Conrad Ray, Edward Russell, B.A. Φ I E Raymond, Charles Abel Raymond, Frank Everett Raymond, Frank Everett Raymond, Herbert Emmons Raynolds, Russell Peter X Φ Read, Albert Manton Φ B E Read, Edward Mason, Jr. Rech William Frederick Redding, William Allen, Jr. Reed, Frank Carleton, A.M. Reed, Ralph Omer Φ X Reed, Ralph Omer Φ X Reed, Ralph Omer Φ X Reed, Rufus Cook Regan, John Ward Regestein, Walter Philip Reinhardt, Jacob Brunn Φ Σ K Rhodehouse, Melinda Ann Rhodes, Carroll Rhodes, George Irving Rice, Philip Bernard Rice, Rowland Greenville Rich, Charles James Rich, Edward Benjamin, A.B. Rich, Williston Canfield J T J Richards, Alexander Webster Richardson, Charles Dana Richardson, Frederick L. W., A.B. Richardson, Harv K. Richardson, Max Currier Richmond, Waldemar S. Ricker, Elmer Francis Riddell, Guy Crosby Riebel, Elroy Clemens Riley, Francis Bradford Riley, James Garfield Rinearson, William C., Jr. Σ X Rippey, Attwood Eugene Rivitz, Seymour Moses 11 2 Sam Diego, Cal. 12 3 7 Huntington Ave., Hyde Park, Mass. 13 7 Huntington Ave., Hyde Park, Mass. 11 2 Essex, Mass. 11 2 Sag Summit St., Pawtucket, R. I. 13 5 63 Summit St., Pawtucket, R. I. 13 5 73 Huntington Ave., Denver, Col. 11 3 1352 Lincoln Ave., Denver, Col. 11 3 1352 Lincoln Ave., Denver, Col. 11 3 5 63 Summit St., Pawtucket, R. I. 12 5 738 Cates Ave., St. Louis, Mo. 11 2 75 Clinton Ave., Brooklyn, N. Y. 14 Grove City, Pa. 15 17 Franklin St., Melrose Highlands, Mass. 11 2 8 92 Plymouth Ave., Buffalo, N. Y. 11 1 S Scituate, Mass. 11 2 S O2 Summer St., Stamford, Conn. 12 S North Reading, Mass. 11 2 S O2 Summer St., Stamford, Conn. 13 102 Summer St., Stamford, Conn. 15 Cottage St., Norwood, Mass. 11 2 S Third Ave., South, Fort Dodge, Iowa Red Wing, Minn. 15 Cottage St., Norwood, Mass. 11 2 S Pelham, N. H. 16 Cottage St., Norwood, Mass. 11 2 S Pelham, N. H. 17 13 7 Huntington Ave., S. 11 2 S Pelham, N. Y. 11 3 172 Ridder St., Louis,					그러스 내가 있는 것이 하는 사람들은 사람들이 되어 있다면 사람들이 되었다면 하는데 되었다면 사람들이 되었다면 하는데
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Rich, Charles James Rich, Edward Benjamin, A.B. Rich, Williston Canfield J T J Richards, Alexander Webster Richards, Nathaniel Atherton Richardson, Bertram Allen P B E Richardson, Charles Dana Richardson, Frederick L. W, A.B. Richardson, Max Currier Richardson, Waldemar S. Ricker, Elmer Francis Riddell, Guy Crosby Riebel, Elroy Clemens Riley, Francis Bradford Riley, James Garfield Rinearson, William C., Jr. J X Richardson, Wasse Rivitz, Seymour Moses II 4 Red Wing, Minn. R					
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Richards, Alexander Webster Richards, Nathaniel Atherton Richardson, Bertram Allen & B E Richardson, Charles Dana Richardson, Frederick L. W., A.B. Richardson, Henry K. Richardson, Max Currier Richardson, Waldemar S. Ricker, Elmer Francis Riddell, Guy Crosby Riebel, Elroy Clemens Riley, Francis Bradford Riley, James Garfield Rinearson, William C., Jr. Y X Richardson, Mashaniel Atherton RIV 2 Weymouth, Mass. IV 3 S 39 East Eighty-third St., New York, N. Y. 132 Tenth St., N. E., Washington, D. C. 14 S Cottage St., Brookline, Mass. 15 O Chatham Place, Lynn, Mass. 16 Pelham, N. H. 17 O Center St., Adams, Mass. 17 O Center St., Adams, Mass. 18 S Bigelow St., Quincy, Mass. 19 S Bigelow St., Quincy, Mass. 10 S Bigelow St., Quincy, Mass. 11 S S Bigelow St., Somerville, Mass. 11 S S 168 West Ninth Ave., Columbus, Ohio 11 S 15 Spring Park Ave., Jamaica Plain, Mass. 11 S Hamilton, Ohio 11 S Hamilton, Ohio 11 S S 13 Ashland St., Boston, Mass.		11			
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Richmond, Waldemar S. Ricker, Elmer Francis Riddell, Guy Crosby Riebel, Elroy Clemens Riley, Francis Bradford Riley, James Garfield Rinearson, William C., Jr. Z X Rippey, Attwood Eugene Rivitz, Seymour Moses I 2 76 Center St., Adams, Mass. IV 4 59 Bigelow St., Quincy, Mass. 1II 3 229 School St., Somerville, Mass. 1II 3 8 168 West Ninth Ave., Columbus, Ohio III 2 8 15 Spring Park Ave., Jamaica Plain, Mass. III 2 8 Hamilton, Ohio San Diego, Cal. II 2 8 13 Ashland St., Boston, Mass.			-		
Ricker, Elmer Francis Riddell, Guy Crosby Riebel, Elroy Clemens Riley, Francis Bradford Riley, James Garfield Rinearson, William C., Jr. X Rippey, Attwood Eugene Rivitz, Seymour Moses IV 4 59 Bigelow St., Quincy, Mass. 229 School St., Somerville, Mass. 1V 3 S 168 West Ninth Ave., Columbus, Ohio II 2 S 15 Spring Park Ave., Jamaica Plain, Mass. V 3 S Fiske St., Waltham, Mass. II 2 S Hamilton, Ohio Rippey, Attwood Eugene Rivitz, Seymour Moses II 2 S 13 Ashland St., Boston, Mass.					4004_01 E. 400_0000 C. 2240 C. 1. 2210 C. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.
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Riebel, Elroy Clemens Riley, Francis Bradford Riley, James Garfield Rinearson, William C., Jr. 2 X Rippey, Attwood Eugene Rivitz, Seymour Moses IV 3 S 168 West Ninth Ave., Columbus, Ohio II 2 S 15 Spring Park Ave., Jamaica Plain, Mass. V 3 S Fiske St., Waltham, Mass. II 2 S Hamilton, Ohio III 2 S an Diego, Cal. I 2 S 13 Ashland St., Boston, Mass.					59 Bigelow St., Quincy, Mass.
Riley, Francis Bradford Riley, James Garfield Rinearson, William C., Jr. 2 X Rippey, Attwood Eugene Rivitz, Seymour Moses II 2 S 15 Spring Park Ave., Jamaica Plain, Mass. V 3 S Fiske St., Waltham, Mass. II 2 S Hamilton, Ohio III 2 S an Diego, Cal. I 2 S 13 Ashland St., Boston, Mass.	Riddell, Guy Crosby				
Riley, James Garfield Rinearson, William C., Jr. Y II 2 S Hamilton, Ohio Rippey, Attwood Eugene Rivitz, Seymour Moses V 3 S Fiske St., Waltham, Mass. II 2 S Hamilton, Ohio RIPPE, Cal. II 2 S 13 Ashland St., Boston, Mass.		-	-	-	[[[[[[[] [[[] [[] [[] [[] [[] [[] [[] [
Rinearson, William C., Jr. Z X II 2 S Hamilton, Ohio Rippey, Attwood Eugene III 2 San Diego, Cal. Rivitz, Seymour Moses I 2 S 13 Ashland St., Boston, Mass.					
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Robbe, Louis Ernest I 2 Peterboro, N. H.					
	Robbe, Louis Ernest	I	2		Peterboro, N. H.

Name and Society	Course	Yes	ar	Home Address
Roberts, Albert Arthur	VI	2		(Box 68) Rochester, N. H.
Roberts, Arthur Osborne	XIII	3		Winter St., Salem, Mass.
Robinson, John Albert	X	4	S	Canton, Mass.
Robinson, Samuel	V	3		47 Allen St., Boston, Mass.
Rockwood, Edward Farnum 2 A E	II	3		961 Beacon St., Newton Center, Mass.
Rodgers, Charles Loring 17	II	3	S	115 Oak St., Binghamton, N. Y.
Rogers, Anne Fuller				126 Newbury St., Boston, Mass.
Rogers, George Dennison	VI	4	S	100 Prospect St., Gloucester, Mass.
Rogers, James Earl	XIII	2		Wrentham, Mass.
Rogers, James Hampton		2		Maysville, Ky.
Rogers, Rutherford Hayes	X	3	S	477 Massachusetts Ave., Boston, Mass.
Roland, John Wilson, B.A.		3		Aylesford, N. S.
Rollins, Harry Tebbetts & E K		3		721 Third St., Des Moines, Iowa
Roper, Walter Frederic & B E			S	Hopedale, Mass.
Ropes, Fanny		3		114 Federal St., Salem, Mass.
Root, John Allen		I		or Arlington St., Newton, Mass.
Rose, Robert Ware		1		30 Orchard Circle, Clifton, Mass.
Ross, Robert John		1		Belmont, Mass.
Rott, Walter Christian	I	4		4728 Wallingford St., Pittsburgh, Pa.
Rowe, Edward Bennett		1		4 Blynman St., Gloucester, Mass.
Rowe, Henry Woodbury	IV	3		185 Jackson St., Lawrence, Mass.
Rowell, Wiear Louis	- 55	I		31 Hardy Road, Swampscott, Mass.
Rubil, Milton, B.S.	III		S	1507 North Tenth St., Philadelphia, Pa.
Ruggles, Guy Hall	(5.77)	1	9	23 Grand St., Reading, Mass.
Ruggles, Mary Julia			S	57 Gorham St., Cambridge, Mass.
Runnels, Scott Clark $\Sigma A E$	VII			203 North Meriden St., Indianapolis, Ind.
Rupf, Ernest Louis		1 3		128 Union St., Lawrence, Mass.
Russell, Arthur Edmands	XIII	-		2 Franklin St., Medford, Mass.
Russell, Henry Harding 2 X				60 Park St., Brookline, Mass.
Russell, Lester Asa		1 3	-	331 Wilder St., Lowell, Mass.
Ruxton, Edward James		1 4		Ludlow, Mass.
Sadtler, Philip Bridges		I		336 West Horler St., Philadalphia, Pa.
Saegmüller, Frederick B., B.S., C.E., 24	E XIII			Cherrydale, Va.
	V	4		73 Sheridan St., Jamaica Plain, Mass.
Sammet, Charles Frank Sammis, Theodore A., Jr. # 1	II	1 3	S	714 Hawthorne Ave., Minneapolis, Minn.
	-	1	-	52 Washington St., Medford, Mass.
Sampson, Roswell Eustis Sanborn, George Warren	1	[3	S	31 Austin St., Hyde Park, Mass.
Sanborn, John Royal		I 3		Broadway and Powell Ave., Newport, R. I
		I		17 Benedict St., East Somerville, Mass.
Sanborn, Walter Butler		ī		97 Dale St., Roxbury, Mass.
Santry, Joseph Vincent		ī		11 Titcomb St., Newburyport, Mass.
Sargent, Edward Haynes		ī		73 Grand St., Lynn, Mass.
Sargent, Ralph Nelson		I		Littleton, Mass.
Sargent, Samuel Peter	TT			121 Newbury St., Boston, Mass.
Sarratea, Roberto Browne	T	1 2	8	11 Windham St., West Somerville, Mass.
Sawin, Frederic Van Buren	1	1 2		186 Union St., Jersey City, N. J.
Scales, Freeman Montague		1		700 Huntington Ave., Boston, Mass.
Scannel, Roger Francis, Jr.	TT			Luray Ave., Walnut Hills, Ohio
Schaefer, Hans Frederick J F	11	T -	0	655 Oak St., Buffalo, N. Y.
Schaefers, Henry Christian E A E				715 Union St., Indianapolis, Ind.
Scherrer, Herman Adolph		4		2 28 Freding St. Detroit Mich.
Schmidt, Caspar Anthony	11	1 4 T	0	3 387 Erskine St., Detroit, Mich. 5 Corinth House, Cheltenham, England
Schnurmann, Harry Nestor	11	1 2	2	Cottlicti House, Chettennam, England

Name and Society	
Schofield, Lane # 1 1	
Schofield, John Farrar	
Schonthal Darsa Clarence	
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Schottes, Alexander Joseph	
Schulte, Ross Russell	
Schumacher, Waldron P., A K	L
Schwartz, Frederic Joseph	
Schwartz, Leon, A.B.	
Schwartz, Melvin Humbert	
Scofield, Edward Candee	
Scudder, Oliver Porter	
Seagar, Ralph LeRoy Σ A E Searle, Ephraim Frank	
Searle, Ephraim Frank	
Sears, Thomas Everett	
Seaver, Samuel	
Seiglie, Nestor Manuel	
Senger, Richard Warren	
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Severy, Frank Joseph, A.B.	
Seymour, Allan J W	
Seyms, George Beach 4 1'	
Seyms, Robert Wyndham 1?	
Shapira, Samuel	
Shapleigh, Charles Henry	
Shaw, Chester Roy	
Shaw, George Herbert Shaw, John Whitman	
Shaw, John Whitman	
Shaw, Thomas	
Sheafe, Calvin Richard	
Sheafe, James Smith ΣX	
Shedd, Ray Elmer	
Sheldon, William Adams	
Shepherd, John Alexander	
Sherlock, Robert Emmet	
Sherman, Andrew Bartlett, Jr.	
Sherman, Andrew Dartiett, Jr.	
Sherman, Arthur Louis	
Sherman, Frank Arnold	
Sherman, Henry S., A.B. Shuman, Waldo Irving Shurtleff, Ralph	
Shuman, Waldo Irving	
Shurtleff, Ralph	
Sibbett, George Erving	
Siebrecht, Henry Benjamin	
Silverman, Abraham Jacob	
Simmons, Herman Roswell	
Simmons, John Edgar	
Simmons, John Edward	
Simmons, John Edward Simonds, Clark David X T	
Simonds, Fred Washburn	
Simons, Russell Bissell	
Simpson, Guy Carleton	
Simpson Horace Gardner	
Simpson, Horace Gardner Simpson, Willard Eastman	
Skowrouski, Stanislaus	
Skowiouski, Statusiaus	

Course	Ye	ar	Home Address
III	2	S	Albermarle Road, Newtonville, Mass.
	2		Bolivar, Mo.
	2		242 West Eight Ave., Columbus, Ohio
IV	2	S	이 하지 않는 것이 그렇게 되면 가게 되었다면 하지만 하지만 하지만 하게 되었다면 그 없어요?
XIII			523 North Girard Ave., Minneapolis, Minn.
III	3		I Beach St., Wollaston, Mass.
VI	2		Ballston, N. Y.
IV		S	149 Crystie St., New York, N. Y.
IX	3	-	Weston, Mass.
XIII		9	Sound View, Stamford, Conn.
XIII		-	60 Wyman St., Brockton, Mass.
VI			Westerly, R. I.
	I		100 May St., Lawrence, Mass.
TT			
	4		123 Court St., Plymouth, Mass.
XIII			Waban, Mass.
***	1	2	9 Marti St., Saguala Grande, Cuba
ш			Port Jervis, N. Y.
1	3	0	Chase Mills, Me.
	I		364 Charlton Ave., South Orange, N. J.
. 11			181 Collins St., Hartford, Conn.
VI			181 Collins St., Hartford, Conn.
III	2		80 Green St., Boston, Mass.
10.00	1		228 West Water St., Lock Haven, Pa.
VI			Brockton, Mass.
XI			Belmont, Mass.
III			Clementsport, N. S.
VI			Billington St., Plymouth, Mass.
II	3		Harvard, Mass.
11	4	S	1017 Queen Anne Ave., Seattle, Wash.
	1		212 Highland Ave., Somerville, Mass.
	I		Ashby, Mass.
	I		350 Newbury St., Boston, Mass.
IV	2	S	Geneseo, N. Y.
	I		114 Summer St., Fitchburg, Mass.
	1		West Mansfield, Mass.
III	4		96 Granite St., Westerly, R. I.
IV	3	S	933 Prospect St., Cleveland, Ohio
	I		377 Walnut Ave., Roxbury, Mass.
	1		6 Riverside Park, Taunton, Mass.
11	4	S	6 Cedar St., Bellevue, Neb.
VI	2		
III	2	S	36 Paris St., East Boston, Mass.
III			178 Lexington Ave., Providence, R. I.
	I		34 South Central Ave., Wallaston, Mass.
XIII			Racine, Wis.
			Manchester, Vt.
	2		52 Shawmut Ave., Marlboro, Mass.
			12 High St., Greenfield, Mass.
	I		Care of W. L. Simpson, San Antonio, Texa
IV			22 Chestnut St., Chelsea, Mass.
	2		(Box 765) San Antonio, Texas
			38 Falcon St., East Boston, Mass.
v	4	9	30 ration on, Dast Doston, Mass.

Name and Society	Course	Ye	ar	Home Address
Slocum, Arthur G., Jr., A.B.	VI	3		Kalamazoo, Mich.
Small, Harry Alonzo C.	XIII	3	S	Jacksonville, Florida
Smart, William Fuller	IV	2	S	Lewiston, Me.
Smith, Albert Howell	XIII			87 Broad St., Malden, Mass.
Smith, Albert Loomis	V	2		Hamilton, Mass.
Smith, Alfred Dennett	III	2	S	200 West 139th St., New York, N. Y.
Smith, Arthur Ditson	V	3		38 Falcon St., East Boston, Mass.
Smith, Charles H., B.L.	I	2		35 Adelbert St., Cleveland, Ohio 75 Lincoln St., Waltham, Mass.
Smith, Converse	I	2		75 Lincoln St., Waltham, Mass.
Smith, Daniel Arthur, Jr.	VI	4		20 Mary St., Newport, R. I.
Smith, Edgar Field, A.B.	I	3		107 Gainsborough St., Boston, Mass.
Smith, Edwin Lawrence X &	VI	2		2316 Grand Ave., Milwaukee, Wis.
Smith, Ernest Maxwell & K E		1		1615 West Genesee St., Syracuse, N. Y.
Smith, Guy Ormond		I		76 Royal St., Newton, Mass.
Smith, Harold Crocker A A Ø		I		150 Rock St., Fall River, Mass.
	II		S	Terre Haute, Ind.
Smith, Horace Milliken		4		Irvona, Pa.
Smith, John Monroe	IV	3		34 Orchard St., Leominster, Mass.
Smith, Leon Hills	VIII	3	S	1615 West Genesee St., Syracuse, N. Y.
Smith, Preston Morris A K E	VI	3	-	500 East Sixth St., Jamestown, N. Y.
Smith, Sidney Alfred			8	Concord, Mass.
Smith, Theodore Lincoln			-	485 Poplar St., Roslindale, Mass.
Smith, Walter	TV	1	S	185 State St., Springfield, Mass.
Smith, Walter Abbe # 2 K		2	0	1315 North Charles St., Baltimore, Md.
Sneeringer, William James, Jr. B θ				
Snow, Edwin Bertrand, Jr.	Transition and the last		0	Medford, Mass.
Snow, Norman Leslie, Ph.B. A F	XIII	3	0	276 West 94th St., New York, N. Y.
Sohier, Walter	11		0	Concord, Mass.
Soule, Carleton Manson		1		East Weymouth, Mass.
Soule, Ralph Nelson	37	1		East Greenwich, R. I.
Spalding, George Riddell		4		7 Brown Square, Newburyport, Mass.
Spalding, William Livingston	III			1039 Middlesex St., Lowell, Mass.
Spaulding, Henry Seville	XI			(Box 66) Ipswich, Mass.
Spencer, Walter Carpenter Sperry, Charles Stillman & T		1		162 Peace St., Providence, R. I.
Sperry, Charles Stillman 4 F	1	2	-	Washington, D. C.
Sperry, Ellsworth			5	East Windsor Hill, Conn.
Sperry, Leavenworth P., Ph.B.	XIII			Waterbury, Conn.
Spilman, John Armistead K A Spinney, Samuel Rogers	XIII A			101 West Main St., Richmond, Va.
Spinney, Samuel Rogers	702	1		435 Main St., Melrose, Mass.
Sprague, Forest Otho	V	2		203 Main St., Haverhill, Mass.
Sprague, Ralph Cushman		I		43 Irving St., South Framingham, Mass.
Stanley, Philip Bartholomew		1		New Britain, Conn.
Stanton, Everett Cheselro		1		(Box 367)Sharon, Mass.
Staples, Percy Alexander A K E	1	3		215 Newbury St., Boston, Mass.
Starbird, Chester Bates	VI	2		35 Fifteenth St., Buffalo, N. Y.
Starr, Frank Charles	I	2		Canning, N. S.
Stebbins, Charles Henry	V	3	S	113 Malvern St., Melrose, Mass.
Stebbins, Roger Pierce	XIII	2		862 South St., Roslindale, Mass. Cappaqua, N. Y.
Steele, Edward Thomas, 2d, 4 T		2		Cappaqua, N. Y.
Steinberger, Emil		2	S	3-5 Main St., Bradford, Pa.
Steinharter, Edgar Clifford	VII	2	S	692 Glenwood Ave , Cincinnati, Ohio
Steinmarter, Edgar Chilord	V	4		LaSalle, Ill.
Steinmayer, Otto C., A.B.	XIII	2		1217 Warnock St., Philadelphia, Pa.
Steinrok, Charles Leonard	2422	I		53 Ellery St., Cambridge, Mass.
Stephens, Albert Leslie	T	3		Mattapoisett, Mass.
Stetson, Edward Everett		2		Walpole, Mass.
Stetson, Harold Clapp # 1 4	4.1			St. Albans, Vt.
Stevens, Carl Colton	371	3		14 Kendall St., South Gardner, Mass.
Stevens, Henry Warren	XIII			11 Everett St., Middleboro, Mass.
	2111	4		II Diverett Dt., Milatteboro, Mados.
Stevens, Howard Leslie Stevens, Samuel Spaulding	777		C	11 Liberty St., Salem, Mass.

Stevenson, Lucy Marion Stevenson, William, A.B. Stickney, Milliam May 1	Name and Society	Course	Ye	ar	Home Address
Stewart, Donald Argyle J 'Stickney, William, A.B. Stiles, Harry Allard Stoddard, Ava Marcella Stoddard, Ava Marcella Stoddard, Robert Kilburn Stone, Ida Stratton, George Eben Strickland, Sidney Talbot J 'Strong, Homer David Sullivan, Patrick Joseph Sumner, Warren Ellis Sutherland, Clarence Hale θ X Stutton, David, B.S. Swanson, Grace Marie Sweet, Arthur Jeremiah, A.B. Φ / J Sweetser, Albert Edwin Sweetser, Philip Starr Swenson, Omer Stephen A J Φ Swett, George Wright Sykes, Roy Ainsworth Talbot, Arthur Wilbour Tarr, Forace Austin Tarbett, Ralph Edwin Tarylor, DeWitt McClure Taylor, Floyd Thomas Taylor, Allyn Chandler Taylor, DeWitt McClure Taylor, World Robert E. Lee, B.A. J Ψ Taylor, Winfred Albert Φ / J Tebbets, James Hargrayes Fernan, Terence Breif Terrell, Herbert Arthur Terry, Killey Eldridge, Jr. Thayer, Ralph Carpenter Thayer, Sophie Gifford Thomas, Arthur Scott J T J Thomas, George Carlyle Thomas, George Carlyle Thomas, Reference Breif Thompson, Bertram Austin Thompson, Edward Cutter Σ X Thompson, Leigh Adair Thorp, Lambert Thurber, Frederick Butler Ψ / Thurlow, Oscar Gowen Thwing, LeRoy Livingston Tlilson, Percy Ethan Tolman, Richard Chae Tomlinson, Everett Franklin Tolmans, Richard Chae Tomlinson, Everett Franklin Thomppis, Maurice Crawford J / Topper, William, A.B. Tower, Gilbert Sanders	Stevenson, Henry J.	II	2	S	41 Princeton St., East Boston, Mass.
Stickney, William, A.B. Stickney, Arab Marcella Stoddard, Edna Dwinel Stoddard, Robert Kilburn Stodard, Robert Kilburn Stone, Ida Stratton, George Eben Streter, Harold Warner Stresau, Richard Stratton, George Carlye Thomas, Walter Grant Thompson, Leigh Adair Thorp, Lambert Thurber, Frederick Butler # /* Thurlow, Oscar Gowen Thillson, Percy Ethan Todda, William Newman Todman, Richard Chaec Tomlinson, Everett Franklin Thompson, Leigh Adair Thorp, Lambert Thurber, Frederick Butler # /* Thurlow, Oscar Gowen Thillson, Percy Ethan Todd, William Newman Todda, William Newman Todman, Richard Chaec Tomlinson, Everett Franklin Thompson, Edward Cutter Σ I Thompson, Leigh Adair Thorp, Lambert Thurber, Sophie Gifford Thurber, Frederick Butler # /* Thurber, Sophie Gifford Thorp, Lambert Thurber, Sophie Gifford Thurber, Sophie Gifford Th		VIII	4		45 Princeton St., Lowell, Mass.
Stilles, Harry Allard Stoddard, Ava Marcella Stoddard, Robert Kilburn Stone, Ida Stratton, George Eben Streesta, Richard Strickland, Sidney Talbot J I' Strong, Homer David Sullivan, Patrick Joseph Sumner, Warren Ellis Sutherland, Clarence Hale H I I I Sutherland, Clarence Hale H I I I Sutherland, Clarence Hale H I I I Sweetser, Albert Edwin Sweetser, Albert Edwin Sweetser, Harold Ricketson Sweetser, Harold Ricketson Sweetser, Harold Ricketson Sweetser, Philip Starr Swenson, Omer Stephen H J I I Sweets, George Wright Sykes, Roy Ainsworth Talbot, Arthur Wilbour Tary, Forace Austin Tarbett, Ralph Edwin Tarylor, Allyn Chandler Taylor, DeWitt McClure Taylor, DeWitt McClure Taylor, DeWitt McClure Taylor, Winfred Albert I I I Tebbets, James Hargraves Ternan, Terence Breifi Terrell, Herbert Arthur Terry, Killey Eldridge, Jr. Thayer, Ralph Carpenter Thayer, Sophie Gifford Thomas, Arthur Scott J I I I Thompson, Bertram Austin Thompson, Bertram Austin Thompson, Edward Cutter Y I Thurlow, Oscar Gowen Thwing, LeRoy Livingston Tillson, Percy Ethan Todda, William Newman Tolman, Richard Chace Tomlinson, Everett Franklin Thomppisn, Maurice Crawford J I Topper, William, A.B. Tooper, William, A.B. STALL S 25 Pemberton Square, Boston, Mass. 1 4 Thwing St., Roxbury, Mass. 1 2 90 Quincy St., Roxbury, Mass. 1 4 Thwing St., Roxbury, Mass. 1 4 Thwing St., Roxbury, Mass. 1 5 Postadam, N. Y. 1 4 S 25 Pemberton Square, Boston, Mass. 1 5 Startong Square, Boston, Mass. 1 5 Startong Square, Boston, Mass. 1 5 Spotam, N. Y. 1 4 S 25 Pemberton Square, Boston, Mass. 1 5 Spotam, N. Y. 1 5 Saratoga St., Lawrence, Mass. 2 6 Cherry St., North Adams, Mass. 2 7 Griffin Ave., Newton, Mass. 2 8 Hohenzollernplatz 48, Frankfort, Ger. Swmner Pond, Brockin, Mass. 2 9 Deatmouth St., Boston, Mass. 2 1 1 Akron St., Roxbury, Mass. 2 9 Deatmouth St., Boston, Mass. 2 1 1 Akron St., Roxbury, Mass. 2 1 1 Akron St., Roxbury, Mass. 2 1 2 Postadam, N. Y. 2 1 2 S Postadam, N. Y. 3 S Boaz 17 Uica, N. Y. 3 S Boaz 17 Uica, N. Y. 3 S Boaz 17 Uic					213 Elm St., Kalamazoo, Mich.
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Stoderd, Robert Kilburn 1 North Hanover, Mass. Streeter, Harold Warner Streeter, Harold Warner 1 2 Spotsdam, N. Y. 1 2 Quincy St., North Adams, Mass. 1 2 Quincy St., North Adams, Mass. 4 Hohenzollernplatz 48, Frankfort, Ger. Summer Pond, Brookline, Mass. 4 30 Walnut St., Winsted, Conn. Summer, Dond, Brookline, Mass. 2 Quincy St., North Adams, Mass. 4 4 Milliam Alles, A. 4 4 Milliam Alles, A. 4 4 Allen St., Brockton, Mass. 2 Quintry St., Dorchadas, Conn. 4 4 Allen St., Brockton, Mass. 2 Quintry St., Dorchadas, Conn. 4 4 4 Allen St., Brockton, Mass. 2 Quintry St., Rorth Adams, Mass. 2 Quintry St., Rorth Adams, Mass. 1 3 Not St., St., St., St., St., St., St., St.	Stoddard, Edna Dwinel	IV	4		
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Streeter, Harold Warner Streesau, Richard Strickland, Sidney Talbot J / Strong, Homer David Sullivan, Patrick Joseph Sumner, Warren Ellis Sutherland, Clarence Hale θ X Sutton, David, B.S. Swanson, Grace Marie Sweet, Arthur Jeremiah, A.B. ϕ / J / Sweetser, Albert Edwin Sweetser, Harold Ricketson Sweetser, Harold Ricketson Sweetser, Philip Starr Swenson, Omer Stephen A J ϕ Sykes, Roy Ainsworth Talbot, Arthur Wilbour Tarr, Forace Austin Tarbett, Ralph Edwin Taylor, Ployd Thomas Taylor, Robert E. Lee, B.A. J \(\pi \) Taylor, Winfred Albert ϕ / J Tebbets, James Hargraves Ternan, Terence Breifi Terrell, Herbert Arthur Terry, Killey Eldridge, Jr. Thayer, Ralph Carpenter Thayer, Sophie Gifford Thomas, Arthur Scott J T J Thomas, Walter Grant Thompson, Leigh Adair Thompson, Leigh Adair Thompson, Herman Ellis Thompson, Leigh Adair Thompson, Herman Ellis Thompson, Herman Ellis Thompson, Herman Ellis Thompson, Leigh Adair Thorp, Lambert Thurber, Frederick Butler \(\pi \) Thurber, Frederick Butler \(\pi \) Thurber, Frederick Butler \(\pi \) Thurbow, Oscar Gowen Thivings, LeRoy Livingston Tillson, Percy Ethan Todd, William Newman Tolman, Richard Chace Tomlinson, Everett Franklin Thomphins, Maurice Crawford J \(\pi \) Topper, William, A.B. Tower, Gilbert Sanders Taylor, Solane Gerawford J \(\pi \) Topper, William, A.B. Toomer, Gilbert Sanders Taylor, Ricker School, Mass. Todow, William, A.B. Tologh, Willia		II			
Streeter, Harold Warner Stresau, Richard Strickland, Sidney Talbot \$J^*\$ Strong, Homer David Sullivan, Patrick Joseph Sumner, Warren Ellis Sutherland, Clarence Hale \$H^*\$ Sutton, David, B.S. Swanson, Grace Marie Sweets, Arthur Jeremiah, A.B. \$H^* J Sweetser, Albert Edwin Sweetser, Harold Ricketson Sweetser, Harold Ricketson Sweetser, Harold Ricketson Sweetser, Philip Starr Swenson, Omer Stephen \$J^* D Swett, George Wright Sykes, Roy Ainsworth Talbot, Arthur Wilbour Tarr, Forace Austin Tarbett, Ralph Edwin Taylor, Allyn Chandler Taylor, DeWitt McClure Taylor, Ployd Thomas Taylor, Robert E. Lee, B.A. \$J^* T Taylor, Winfred Albert \$H^* J Terbetts, James Hargraves Ternan, Terence Breifi Terrell, Herbert Arthur Terry, Killey Eldridge, Jr. Thayer, Ralph Carpenter Thayer, Sophie Gifford Thomas, Arthur Scott \$J^* J Thomas, George Carlyle Thomas, Walter Grant Thompson, Leigh Adair Thorp, Lambert Thurber, Frederick Butler \$J^* T Thurbus, Oscar Gowen Thiving, LeRoy Livingston Tillson, Percy Ethan Todd, William Newman Tolman, Richard Chace Tomlinson, Everett Franklin Thompkins, Maurice Crawford \$J^* T Topper, William, A.B. Tower, Gilbert Sanders 12 20 Quincy St., North Adams, Mass. 13 30 Walnut St., Winsted, Conn. 12 5 Sqa Brautott, Winsted, Conn. 12 5 Sqa Brautott, Winsted, Conn. 12 5 Sqa Broadway, Lowell, Mass. 13 (Box 217) Utica, N. Y. 192 Dartmouth St., Boston, Mass. 14 2 S (Box 217) Utica, N. Y. 192 Dartmouth St., Boston, Mass. 17 70 Fiffin Ave., Newton Highlands, Mas 18 15 Mays Ave., North Cambridge, Mas 26 Cherry St., North Adams, Mass. 17 70 Thorndike St., Eust Concord, N. H 1851 Mass. Ave., North Cambridge, Mas 27 Cherry St., North Adams, Mass. 18 14 S Squ Aventock, New York, N. Y. 19 S 182 V 22 Vars St., Northolom, Mass. 19 Thorndike St., East Cambridge, Mas 26 Cherry St., North Adams, Mass. 19 Thorndike St., Eust Concord, N. F. 11 Levell Ave., Newton Highlands, Mas 28 Cherry St., North Adams, Mass. 29 Thorndike St., Eust Concord, N. F. 21 Lowell Ave., Newton Highlands, Mas 21 Allen Place, Lawrence, Mass. 21 All					
Strickland, Sidney Talbot J I' Strong, Homer David Sullivan, Patrick Joseph Sumner, Warren Ellis Sutherland, Clarence Hale \(\theta\) X Sutton, David, B.S. Swanson, Grace Marie Sweetser, Albert Edwin Sweetser, Albert Edwin Sweetser, Harold Ricketson Sweetser, Harold Ricketson Sweetser, Philip Starr Swenson, Omer Stephen A \(\theta\) \(\theta\) Swett, Gorge Wright Sykes, Roy Ainsworth Talbot, Arthur Wilbour Tarr, Forace Austin Tarbett, Ralph Edwin Taylor, Allyn Chandler Taylor, DoeWitt McClure Taylor, Robert E. Lee, B.A. \(\theta\) W Taylor, Winfred Albert \(\theta\) I' Taylor, Winfred Albert \(\theta\) I' Terbets, James Hargraves Ternan, Terence Breifi Terrell, Herbert Arthur Terry, Killey Eldridge, Jr. Thayer, Ralph Carpenter Thayer, Sophie Gifford Thomas, Arthur Scott \(\theta\) I' Thomas, Walter Grant Thompson, Leigh Adair Thompson, Leigh Adair Thompson, Herman Ellis Thompson, Leigh Adair Thompson, Leigh Adair Thompson, Leigh Adair Thompson, Lergh Adair Thorp, Lambert Thurber, Frederick Butler \(\theta\) I' Thurlow, Oscar Gowen Tillson, Percy Ethan Todd, William Newman Toldman, Richard Chace Tomlinson, Everett Franklin Thompkins, Maurice Crawford \(\theta\) I' Topper, William, A.B. Tower, Gilbert Sanders V1 13 Hohenzollernplatz 48, Frankfor, Ger. Summer Pond, Brookline, Mass. V2 42 Allen St., Brookton, Mass. 14 28 Gebradway, Lowell, Mass. 15 18 18 18 18 18 18 18 19 29 20 21 21 21 21 21 21 21 21 21	Streeter, Harold Warner		- 7	_	20 Ouincy St., North Adams, Mass.
Strickland, Sidney Talbot J ' Strong, Homer David Sullivan, Patrick Joseph Sumner, Warren Ellis Sutherland, Clarence Hale θ X Sutton, David, B.S. Swanson, Grace Marie Sweetser, Albert Edwin Sweetser, Albert Edwin Sweetser, Harold Ricketson Sweetser, Harold Ricketson Sweetser, Philip Starr Swenson, Omer Stephen A J Φ Swett, George Wright Syles, Roy Ainsworth Talbot, Arthur Wilbour Tarr, Forace Austin Taylor, Powitt McClure Taylor, Powitt McClure Taylor, Robert E. Lee, B.A. J Ψ Taylor, Robert E. Lee, B.A. J Ψ Taylor, Winfred Albert Φ I' J Tebbets, James Hargraves Ternan, Terence Breifi Terrell, Herbert Arthur Terry, Killey Eldridge, Jr. Thayer, Ralph Carpenter Thayer, Sophie Gifford Thomas, Arthur Scott J T J Thompson, Bertram Austin Thompson, Edward Cutter Σ X Thompson, Herman Ellis Thompson, Leigh Adair Thorp, Lambert Thurber, Frederick Butler Ψ I' Thurlow, Oscar Gowen Tillson, Percy Ethan Todd, William Newman Toldman, Richard Chace Tomlinson, Everett Franklin Thompkins, Maurice Crawford J I' Topper, William, A.B. Tower, Gilbert Sanders	Stresau, Richard	VI	3		Hohenzollernplatz 48. Frankfort, Ger.
Strong, Homer David Sullivan, Patrick Joseph Sumner, Warren Ellis Sutherland, Clarence Hale # X Sutton, David, B.S. Swanson, Grace Marie Sweetser, Albert Edwin Sweetser, Albert Edwin Sweetser, Albert Edwin Sweetser, Philip Starr Swenson, Omer Stephen A A # D Swetser, George Wright Sykes, Roy Ainsworth Talbot, Arthur Wilbour Tarr, Forace Austin Tarbett, Ralph Edwin Taylor, DeWitt McClure Taylor, DeWitt McClure Taylor, DeWitt McClure Taylor, Robert E. Lee, B.A. J # Taylor, Sophie Gifford Thomas, Arthur Scott J T J Thomas, George Carlyle Thomas, Walter Grant Thompson, Bertram Austin Thompson, Edward Cutter Z X Thompson, Leigh Adair Thorp, Lambert Thurber, Frederick Butler # P Thurlow, Oscar Gowen Thwing, LeRoy Livingston Tillson, Percy Ethan Todd, William Newman Tolman, Richard Chace Tominison, Everett Franklin Thompkins, Maurice Crawford J P Topper, William, A.B. Tower, Gilbert Sanders	Strickland, Sidney Talbot 1 7	IV	2		
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Van Hook, Franklin Jones Varian, Jean Philip Σ A E Vaughan, Perry Abraham Vinton, Merrick Eugene, Jr. X Φ Vonder Horst, Harry Rudolph Vosbury, Winfred DeWitt Wadsworth, Alexander P., A.B. Wagner, Henry Charles Walcott, Stuart Lamer B θ II Wald, George Gustav Wales, Frederick Charles Walker, Albert Willard Walker, Henry Samuel, Jr. Walker, Hiram LeRoy Walker, James Greig Walker, William Frederick Wall, George Albert Wallon Lewis Arthur 1 20 Ottawa St., Roxbury, Mass. 253 Lincoln Ave., Denver, Col. Pontiac, Mich. 252 Broadway, New York, N. Y. 2512 North Carrolton Ave., Baltimore, Md. 273 Main St., Binghamton, N. Y. 256 Beacon St., Boston, Mass. V 2 S 512 Franklin St., Sandusky, Ohio III 3 S Indianapolis, Ind. 40 Montrose St., Somerville, Mass. V 2 S 114 Elliot Ave., West Newton, Mass. V 2 S 114 Elliot Ave., West Newton, Mass. V 2 S 114 Elliot Ave., West Newton, Mass. V 2 S 114 Elliot Ave., West Newton, Mass. V 2 S 114 Elliot Ave., West Newton, Mass. V 2 S 114 Elliot Ave., West Newton, Mass. V 2 S 114 Elliot Ave., West Newton, Mass. V 2 S 114 Elliot Ave., West Newton, Mass. V 2 S 114 Elliot Ave., West Newton, Mass. V 2 S 114 Elliot Ave., West Newton, Mass. V 2 S 114 Elliot Ave., West Newton, Mass. V 2 S 114 Elliot Ave., West Newton, Mass. V 2 S 114 Elliot Ave., West Newton, Mass. V 2 S 114 Elliot Ave., West Newton, Mass. V 2 S 114 Elliot Ave., West Newton, Mass. V 2 S 114 Elliot Ave., West Newton, Mass. V 3 S 114 Elliot Ave., West Newton, Mass. V 3 S 114 Elliot Ave., West Newton, Mass. V 3 S 114 Elliot Ave., West Newton, Mass. V 3 S 114 Elliot Ave., West Newton, Mass. V 3 S 114 Elliot Ave., West Newton, Mass. V 3 S 115 Ard Newton Ave., Mallore, Mass. V 3 S 114 Elliot Ave., West Newton, Mass. V 3 S 115 Ard Newton Ave., Mallore, Mass. V 3 S 116 Ave., West Newton, Mass. V 3
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Wagner, Henry Charles Walcott, Stuart Lamer B θ II Wald, George Gustav Wales, Frederick Charles Walker, Albert Willard Walker, Henry Samuel, Jr. Walker, Hiram LeRoy Walker, James Greig Walker, William Frederick Wall, George Albert Wallon Lewis Arthur Walson Lewis Arthur Walcott, Stuart Lamer B θ II II 3 S Indianapolis, Ind. 40 Montrose St., Somerville, Mass. II 2 Marlboro, Mass. Walrottonia Market, Malden, Mass. II 2 Wheeler St., East Somerville, Mass. II 2 Wheeler St., East Somerville, Mass. II 2 Top Andover St., Lawrence, Mass. Denver, Col. VI 3 S 174 Pleasant St., Winthrop, Mass.
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Walker, Albert Willard Walker, Henry Samuel, Jr. Walker, Hiram LeRoy Walker, James Greig Walker, William Frederick Wall, George Albert Wallon Lewis Arthur Walker, Albert Willam Frederick Wallon Lewis Arthur Marlboro, Mass. 81 Maple St., Malden, Mass. 21 Wheeler St., East Somerville, Mass. 15 2016 Franklin St., San Francisco, Cal. 167 Andover St., Lawrence, Mass. Denver, Col. VI 3 S 174 Pleasant St., Winthrop, Mass.
Walker, Albert Willard Walker, Henry Samuel, Jr. Walker, Hiram LeRoy Walker, James Greig Walker, William Frederick Wall, George Albert Wallon Lewis Arthur Walker, Albert Willam Frederick Wallon Lewis Arthur Marlboro, Mass. 81 Maple St., Malden, Mass. 21 Wheeler St., East Somerville, Mass. 15 2016 Franklin St., San Francisco, Cal. 167 Andover St., Lawrence, Mass. Denver, Col. VI 3 S 174 Pleasant St., Winthrop, Mass.
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Wallon Lewis Arthur VI 3 S 174 Pleasant St., Winthrop, Mass.
Walsh, William James 1 5 Woodville St., Roxbury, Mass.
Walter, Ernest Elbert I Walters Park, Pa.
Walter, Julius West 1 225 Front St., Binghamton, N. Y.
Walter, Julius West 1 225 Front St., Binghamton, N. Y. Ward, Sidney George, B.S. VI 3 823 Foster St., Evanston, Ill.
Ware, Raymond O I A XIII 2 11 Sayward St., Dorchester, Mass.
Ware, Samuel Langmaid XIII 2 103 Thurston St., Somerville, Mass.
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Warren, Clarke Edward Warren, Mary Eva VII 3 S Weston, Mass.
War
Watson, Thomas Bell I (Box 123) Weymouth, Mass.
Watt, Arthur Percy 1 176 Forest St., Winchester, Mass.
Weaver, Earll Chase I 2 121 Green St., Syracuse, N. Y.
Webb, Harold Eugene & Z K 1 S 643 Madison Ave., Scranton, Pa.
Webber, Paul Baron θX 1 Bedford, Mass.

Name and Society	Course	Ye	ar	Home Address
Webber, Thomas Gray		I		179 Lafayette St., Salem, Mass.
Webster, Arthur Stanley	II	3	S	25 Greenville St., Roxbury, Mass.
Webster, Frances Phillips		-	S	824 Beacon St., Boston, Mass.
Webster, Frank DeWolf	1	2		15 Chapman St., Greenfield, Mass.
Webster, Lawrence Burns		I		926 South Washington St., Marion, Ind.
Wehner, Lewis	XIII	4	S	171 West Newton St., Boston, Mass.
Weil, Joseph Skrainka		I		11 Broadway, New York, N. Y.
	TI		9	I Collins St., Salem, Mass.
Welch, Edward Oscar Welch, William Wells				Dobartson St. Ouiney Mass.
Weld Talle Deadles		4		Robertson St., Quincy, Mass.
Weld, Julia Bradlee				Hingham, Mass.
Weld, Lydia Gould	XIII			Falmouth, Mass.
Wells, Arthur Edward		1		South Framingham, Mass.
Wells, Percy Leonard	1	2		83 Hall St., Waltham, Mass.
Welsh, James Winfield, A.B. P K T	VI	4		156 S. Yellow Spr'gs St., Springfield, Ohio
Wemyss, Duncan	11	4		29 Ames St., Somerville, Mass.
Wentworth, Henry Azor	VIII	2		104 Chatham St., Lynn, Mass.
Wentworth, Reginald Andrew	11	3	S	121 Raymond St., North Cambridge, Mass.
Wetherbee, Florence Louise	V	3		2 King St., Worcester, Mass.
Wetterer, Charles Frederick W.		I		14 Summer St., Gloucester, Mass.
Wey, James Philip		1		253 Forest Ave., Atlanta, Ga.
Weymouth, Albert Pierce	1	2		25 Mather St., Dorchester, Mass.
Wheat, George Neville, B.S.	IV	3		Rock Springs, Texas
Wheeler, Edith Helen, A.M.	v	3	S	36 Union Park, Boston, Mass.
Wheeler Mildred Frances	VIII	-	Š	122 Elm St., Marlboro, Mass.
Wheeler, Mildred Frances	V	-	6	Wallaclay Mass
Whipple, Leyland Clement	377	3	0	Wellesley, Mass.
Whitaker, William G. H., Jr. Whitcomb, Ralph Nims $\Phi \Sigma K$	VI	3	0	117 Brownell St., Providence, R. I.
Whitcomb, Ralph Nims # 2 A	77	2		3 City Hall, Keene, N. H.
Whitcomb, William Henry	v	4		13 Windsor St., Roxbury, Mass.
White, Edward W.	V	4	-	47 Whittier St., Andover, Mass.
White, Frederick Sanford	- 24	2	5	South Coventry, Conn.
White, George Frederic		1		Franklin Park, Mass.
White, John Aloysius	- 1	2	S	11 Phillips St., Salem, Mass.
White, Jules Edward	1	3		26 Florence Ave., Arlington Heights, Mass.
White, Nathaniel Aldrich		1		30 North State St., Concord, N. H.
White, Richard B.	VIII	3	S	Winchester, Tenn.
Whiting, Bertram Nash	1	2		Machias, Me.
Whiting, George William C. A A P	1	3	S	Merchants' Bank Bldg. Baltimore, Md.
Whiting, Herbert Stockwell		I		274 Seaver St., Roxbury, Mass.
Whiting, Horatio	III	2		2 Gleason St., Dorchester, Mass.
Whitman, Kilborn, Jr.		2		109 Walnut Ave., Roxbury, Mass.
Whitmarsh, Alfred Lamson		2		Abington, Mass.
Whitmore Tomes Bryant		2		1050 East Market St., Akron, Ohio
Whitmore, James Bryant Whitmore, Walter		3		236 Merrimac St., Newburyport, Mass.
Whitney Harris Lawrence				South Framingham, Mass.
Whitney, Harrie Lawrence		2	9	1560 Harvard St., Chicago, Ill.
Whitney, Harrison Allen				220 Tefferson Ave Screnton De
Whittemore, Charles A.		4		329 Jefferson Ave., Scranton, Pa. 415 Newport Ave., Wollaston, Mass.
Whittemore, Walter L., Jr.	III			Was Deitain Conn.
Wiard, Oliver Martin, A.B.	IV			New Britain, Conn.
Wick, James Lippincott, Jr.		I		Youngstown, Ohio
Wiggin, Harry	11	2	5	154 Mountain Ave., Malden, Mass.
Wiggins, Elmer Wesley, B.S.	V	3		Warsaw, N. Y.
Wight, Malcolm Gardner		I		32 Webster Court, Newton Center, Mass.
Wilcox, Herbert Mygott J K E		2		Norfolk Rd., Euclid Heights, Cleveland, Ohio
Wilder, Fred Hall	III	3		610 Main St., Bennington, Vt.
Wilder, Sylvanes Wells		1		20 Lake St., Cambridge, Mass.
Wilkiemeyer, Frederick J., A.B.	II	2	S	735 Saratoga St., Newport, Ky.
Wilkins, Harold Street		1		Wallingford, Conn.
Willard, Arthur Cutts	X	3		1813 13th St., N. W., Washington, D. C.
Willcomb, George Edward	XI	3	S	134 Chestnut St., Chelsea, Mass.
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Name and Society	Course	Year	Home Address
Willcox, Frederick Hartwell		1	Smyrna, N. Y.
Williams, Clarence Benton J K E	VI		5 Kemble St., Utica, N. Y.
Williams, Elizabeth Langdon	VIII		59 Clark Ave., Chelsea, Mass.
Williams, Herbert Lawrence		1	85 Washington Park, Newtonville, Mass.
Williams, Irving	II	4	77 Arlington Ave., Providence, R. I.
Williams, James Rice		I	196 South 18th St., Quincy, Ill.
Williams, J. William, Jr.		1	23 Otis St., Medford, Mass.
Williams, Ralph Brown	III	4	89 Federal St., Salem, Mass.
Willis, Charles Francis		1	5 Gates St., South Boston, Mass.
Wilson, Daniel Scott	VI	4	Concord Junction, Mass.
Wilson, Edward Lowell		I	14 Russell Ave., Watertown, Mass.
Wilson, Emery J., A.B.	II	3	Bellefontaine, Ohio
Wilson, Frank Stetson	I		200 Dudley St., Roxbury, Mass.
Wilson, George Davis, A.B. 2 A E	I	4	318 South First St., Clarksville, Tenn.
Wilson, Lewis Gamaliel, A.B. 2 A E	IV	3	318 South First St., Clarksville, Tenn.
Wilson, Wilbur Thomas	I	2 8	74 High St., Woburn, Mass.
Winchester, Henry Thornton @ B E	VI	5	237 Beacon St., Boston, Mass.
Winne, George Morris		1	463 Elm St., Chicago, Ill.
Winship, Louis C., Ph.B.	VI	2	1400 South 9th Ave., Minneapolis, Minn.
Wise, Robert Emmet	I	2	South Lancaster, Mass.
Wolfe, Sylvester Cuthbert		1	128 Boston Ave., West Medford, Mass.
Wood, Dana Melvin		I	Myrtle St., Belmont, Mass.
Wood, Edwin Thomas	II		5 South Main St., Concord, N. H.
Wood, George Babcock J K E	II	4	7 Florida St., Dorchester, Mass.
Woodbury, Ira Vaughan		1	72 Lothrop St., Beverly, Mass.
Woodward, Clifford Brooks			Glendale, Ohio
Wortham, Milford $X \Phi$	III	4	6 145 East 61st St., New York, N. Y.
Wright, Frank		1	301 Overton St., Newport, Ky.
Wright, Julian May 4 F		1	2022 G St. N. W., Washington, D. C.
Wright, William Henry P. AT A		1	172 Jackson St., Lawrence, Mass.
Wrinkle, John Timothy	-	1	135 Pine St., Holyoke, Mass.
Wyman, Alanson Phelps, B.S.	IV		Manchester Center, Vt.
Wyman, Walter Brevoort @ I' 1		I	Crown Point, N. Y.
Yerxa, Ralph Benjamin 4 T 4	III		32 Pemberton St., N. Cambridge, Mass.
Yoder, Bartolette Artman 1 T 1	I	3	614 North 22d St., Omaha, Neb.
Young, George Chester		1	10 Rawson St., South Boston, Mass.
Young, Harold Eugene		1	41 Rutland Square, Boston, Mass.
Young, Robert Libbey	V	100	496 Main St., Haverhill, Mass.
Yrizarry, Herminio		I	San German, Porto Rico

Graduate Students

Adams, Isaac Rayne, S.B.	IV	North Cambridge, Mass.
Bartlett, Homer Eugene, S.B.	IV	o Albemarle St., Boston, Mass.
Belcher, Donald Minor, S.B. 2 A E	VII	14 Prospect St., Winchester, Mass.
Greeley, William Roger, S.B.	IV	Cambridge, Mass.
Hunter, Frederick Huston, S.B.	IV	8 Harris St., Newburyport, Mass.
Ireland, James Duane, Ph.B., S.B. 4 1	II	15 East 47th St., New York, N. Y.
Kellog, Charles Wetmore, Jr., S.B. 4 W	VI	51 St. Paul St., Brookline, Mass.
Kremer, Waldemar Rudolf	VI	679 Marshall St., Milwaukee, Wis.
Lockridge, Elbert Emerson, S.B.		240 West Newton St., Boston, Mass.
Pember, Walter Parton Ross, S.B.	IV	6 May St., Needham, Mass.
Townsend, Gilbert, S.B.	IV	42 Carleton St., Newton, Mass.
Whitney, Philip Richardson, S.B.	IV	74 Waban Park, Newton, Mass.

Acknowledgments



THE Board of Editors of Technique, 1904, wishes to acknowledge its indebtedness to the following for assistance in the editing of this book:

IN GENERAL—The members of the Faculty, President Pritchett, Dean Burton, W. Humphreys, O. F. Wells, J. T. Scully, Jr., Miss Runkle.

LITERARY — President Pritchett, I. Rayne Adams, E. H. Davis, Charles A. Sawyer, Jr., H. S. Morse, G. B. Perkins, R. Lage.

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BUSINESS — A. C. Burnham, D. F. Dow.

In Memoriam

JOHN DANIEL RUNKLE

Died August 17, 1902

ALBERT MAYNARD KNIGHT

Died December 28, 1902

CLINTON MERRILL DEARDEN

Died January 13, 1903

Students

ELIOT GRANGER, '04

Died November 1, 1902

RAYMOND ABNER LAUFFER, '04

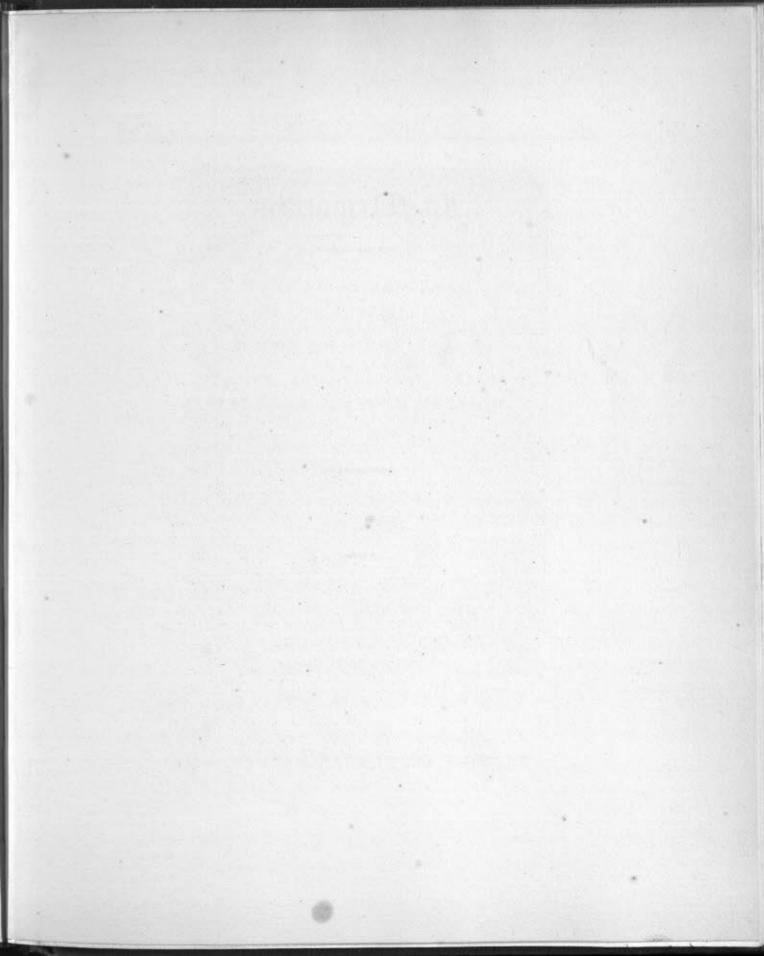
Died November 5, 1902

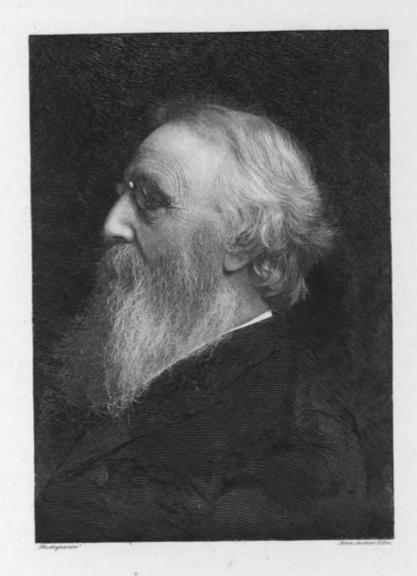
FRANK WILLIAM McCONNELL, '05

Died January 7, 1903

FRANCIS ALEXANDER FALVEY, '06

Died January 14, 1903





John D. Runkle.

John Daniel Kunkle

Harbor, Maine, not only the Massachusetts Institute of Technology, but all those who have ever been fortunate enough to come in contact with Doctor Runkle, sustained a severe loss. Although Doctor Runkle at the time was out of active life at the Institute, his spirit was ever in the work and the overwhelming sense that more than half of this noble man's life was spent in the upbuilding of Technology, augmented in a great degree the sorrow of a personal loss.

John D. Runkle was born at Root, New York, in 1822. During his early youth his struggle for education was embarrassed by work on a farm, and it was not until 1847 that he entered the Lawrence Scientific School to pursue a course in mathematics. He graduated in 1851 with the degree of Master of Arts, besides the degree of Bachelor of Science. During his last years in college he was associated with the Nautical Almanac, and in 1858 he founded the Mathematical Monthly.

Mr. Runkle's connection with the Institute of Technology was commenced in 1860, when he was a member of the committee to act in behalf of the movement to organize an Institute of Technology. In 1862 Mr. Runkle was first Secretary, and in 1865 President Rogers and he began to meet their classes.

On the resignation of President Rogers in 1870, Doctor Runkle was made second President. For eight years he held this post, and to chronicle his life through this period would be to give the story of the Institute's struggle and growth against the many adverse conditions. Perhaps among the most noted steps in advance that President Runkle instituted during this period, can be cited the

recognition and founding of courses of instruction in the mechanic arts after the principles applied in Russia; the encouragement to summer schools and professional field work; the increased efficiency in military instruction and the encampment at Philadelphia; and the commencement of the engineering laboratories.

In 1878 President Runkle tendered his resignation and was granted a leave of absence for two years. After these two years of profitable travel he returned with renewed health to resume his seat as Professor of Mathematics at the Massachusetts Institute of Technology. Here he took up the class-room exercises with his old-time zeal, and it was not until 1901 that, on account of his failing health, he was relieved at his own request.



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ANILINE COLORS: H. A. Metz & Co., New York City; Kuttroff, Pickhardt & Co., New York City; New York and Boston Dyewood Co., Boston.

AIR COMPRESSORS: Mackay Engineering Co., Boston.

BANKERS: National Shawmut Bank, Boston; Old Colony Trust Co., Boston; City Trust Co., Boston.

BATTERIES: Leclanche Battery Co., New York City.

BELTING: Bay State Belting Co., Boston; Shultz Belting Co., St. Louis, Mo.

BLOCKS: Boston & Lockport Block Co., Boston.

BOILERS: Atlantic Works, East Boston; Charles River Iron Works, Cambridge, Mass.; Roberts Iron Works, Cambridge, Mass.

BOLTS: Buffalo Bolt Co., Buffalo, N. Y.

BOOKS: Old Corner Book Store, Boston; A. D. Maclachlan, Boston; G. & C. Merriam Co., Springfield, Mass.

BOOK-BINDING: Alex. Moore, Boston.

BORING-TOOLS: Armstrong Bros. Tool Co., Chicago; Morse Twist Drill & Machine Co., New Bedford.

BUILDING: Hanley Construction Co., Quincy, Mass.; Frank B. Gilbreth, Boston.

CAFES: Oak Grove Creamery Co., Boston.

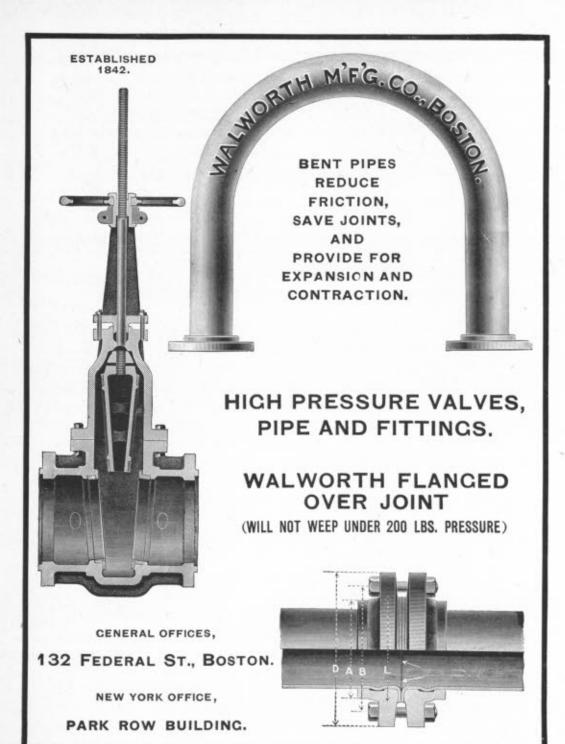
CASTINGS: Homer F. Livermore, Boston.

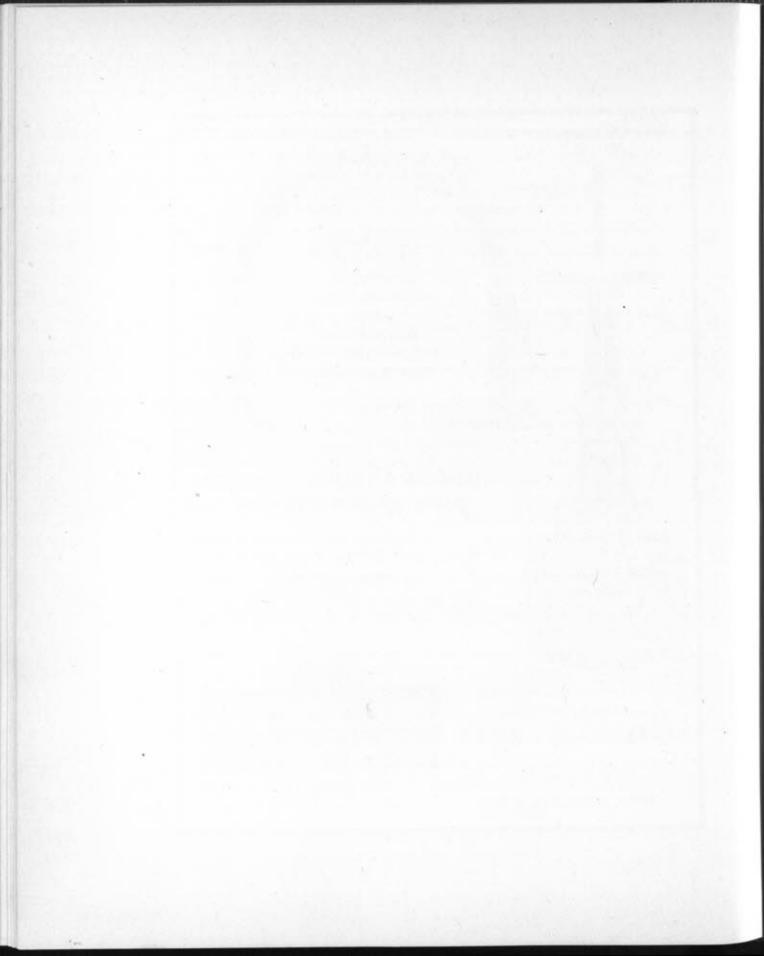
CEDAR POLES AND TIES: Maltby Lumber Co., Bay City, Mich.

CHEMICALS: Baker & Adamson Chemical Co., Easton, Pa.; Cochrane Chemical Co., Boston; Kuttroff, Pickhardt & Co., New York City; Roessler & Hasslacher Chemical Co., New York City; Eimer & Amend, New York City.

CHEMICAL APPARATUS: Eimer & Amend, New York City.

CHEMICAL ENGINEERS: Little & Walker, Boston.





CLOTHING: George H. Lane, Boston; F. L. Dunne, Boston; Smith & Smullen, Boston; E. R. Smith & Co., Boston.

COAL: Blake, Sampson & Co., Worcester, Mass.

COAL HANDLING MACHINERY: (See Conveying Machinery.)

CONDUITS: National Conduit & Cable Co., New York City.

CONVEYING MACHINERY: John A. Mead Mfg. Co., New York City; The Jeffrey Mfg. Co., Columbus, Ohio; Rawson & Morrison Mfg. Co., Cambridge, Mass.; A. Leschen & Sons Rope Co., St. Louis, Mo.; Trenton Iron Works, Trenton, N. J.

CORDAGE: Samson Cordage Works, Boston, Mass.

CORE OVENS: Millett Core Oven Co., Brightwood, Mass.

COTTON MACHINERY: Textile Finishing Machinery Co., Providence, R. I.; Mason Machine Works, Taunton, Mass.; Whitin Machine Works, Whitinsville, Mass.

CRANES: Niles-Bement-Pond Co., Philadelphia, Pa.

DRAUGHTING INSTRUMENTS: The L. S. Starrett Co., Athol, Mass.; A. D. Maclachlan, Boston.

DRAUGHTING BOARD AND PAPER: Mittineague Paper Co., Mittineague, Mass.

DRY GOODS: C. F. Hovey & Co., Boston.

DRILLS AND DRILLING MACHINERY: Hill, Clarke & Co., Boston; Morse Twist Drill and Machine Co., New Bedford.

DYES: Kuttroff, Pickhardt & Co., New York City; New York & Boston Dyewood Co., Boston; H. A. Metz & Co., New York.

EDUCATIONAL INSTITUTIONS: Massachusetts Institute of Technology.

ELECTRICAL ENGINEERS: Stone & Webster Boston.

ELECTRICAL GENERATORS AND MOTORS: Holtzer-Cabot Electric Co., Boston (Brookline) Mass.; Ridgway Dynamo and Engine Co., Ridgway, Pa.

ELECTRIC HEATING: Simplex Heating Co., Boston.

ELECTRICAL SUPPLIES: Simplex Electrical Co., Boston; Weston Electric Instrument Co., Newark, N. J.; Mackay Engineering Co., Boston.

EMERY WHEELS: Norton Emery Wheel Co., Worcester, Mass.

ENGINES: Mackay Engineering Co., Boston; Vilter Mfg. Co., Milwaukee, Wis.

ENGINEERS: Holbrook, Cabot & Rollins, Boston; Frank B. Gilbreth, Boston; American Bridge Co. of New York, New York.

ENGINEERING JOURNALS: Engineering Record, New York.

ENGRAVING: Suffolk Engraving and Electrotyping Co., Boston.

FIRE BRICK: Evens & Howard Fire Brick Co., St. Louis, Mo.

FLAGS: Bent & Bush, Boston.

FLORISTS: Albert Scott, Boston.

FOUNDRIES: Textile Finishing Machine Co., Providence, R. I.; Barbour-Stockwell Co., Cambridge, Mass.

FOUNDRY EQUIPMENT: Millett Core Oven Co., Brightwood, Mass.

FOUNDRY FACING: Springfield Facing Co., Springfield, Mass.

FORGINGS: Midvale Steel Co., Philadelphia, Pa.

FUEL ECONOMIZERS: Green Fuel Economizer Co., Matteawan, N. Y.

FURNISHING GOODS: Hewins & Hollis, Boston; C. F. Hovey & Co., Boston; The T. H. Lane Co., Boston.

GAS APPARATUS: The United Gas Improvement Co., Philadelphia, Pa.

GAS AND GASOLINE ENGINES: Mackay Engineering Co., Boston.

GLUE: Baeder, Adamson & Co., Boston; American Glue Co., Boston.

HARDWARE: A. J. Wilkinson & Co., Boston.

HEATING AND VENTILATING APPARATUS: Albert B. Franklin, Boston; Huey Bros., Boston.

HOISTS AND HOISTING ENGINES: Rawson & Morrison Mfg. Co., Cambridge, Mass.; Lidgerwood Mfg. Co., New York City.

HOTELS: Brunswick Hotel, Boston; Parker House, Boston; Touraine Hotel, Boston; Young's Hotel, Boston; Technology Chambers, Boston.

ICE CREAM: Oak Grove Creamery Co., Boston.

INDICATORS: L. S. Starrett Co., Athol, Mass.

INSURANCE: Hartford Steam Boiler Inspection and Insurance Co., Hartford, Conn.

INJECTORS: Jenkins Bros., Boston; Lunkenheimer Co., Cincinnati, Ohio.

INSPIRATORS: (See Machine Shop Equipment.)

IRON AND STEEL: George F. Blake, Jr., & Co., Worcester; Midvale Steel Co., Philadelphia, Pa.

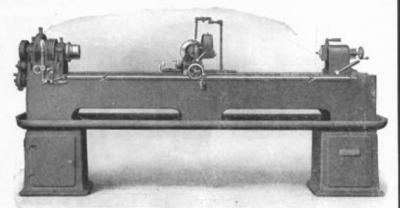
JEWELERS: A. S. Adams, Boston; Bent & Bush, Boston; Shreve, Crump & Low, Boston.

THREAD MILLING MACHINES

WE predict that the lathe will go out of use for thread cutting.

OUR MILLING MACHINE

cuts to the full depth of the thread at one operation with a very slight heating of the work, leaving the side of the thread as smooth as if polished.

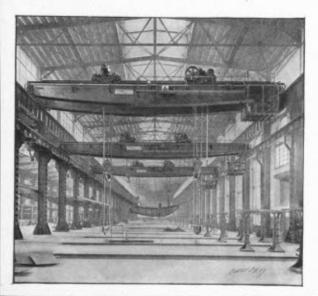


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WORKS: HARTFORD, CONN.

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PHILADELPHIA, 21st and Callowhill Sts. PITTSBURG, PA., Frick Bldg., 46 South Canal St. ST. LOUIS, MO., 516 North Third St. CHICAGO, 46 South Canal St.

NILES ELECTRIC CRANES



HE illustration opposite shows three Niles Cranes installed in shops of the P. & R. R. R. Co. at Reading, Pa. The first crane is of 120 tons capacity, with two 60-ton trolleys and 5-ton auxiliary. The other two are of 35 tons capacity each, with two 171/2-ton trolleys.

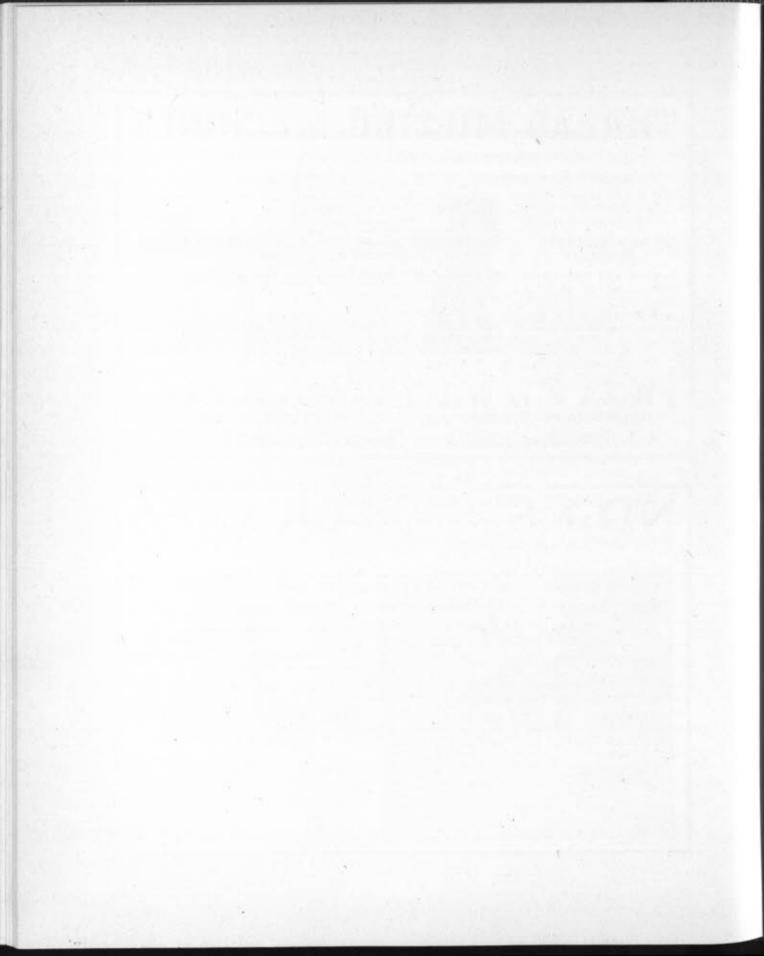
NILES - BEMENT - POND COMPANY

Crane Works : : Philadelphia, Pa.

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136-138 Liberty Street PHILADELPHIA 21st and Callowhill Streets 144 Pearl Street Frick Building Western Union Building 516 North Third Street 23-25 Victoria Street, S.W.



LATHES: (See Machine Shop Equipment.)

LATHE AND PLANER TOOLS: Armstrong Bros. Tool Co., Chicago.

LOCOMOTIVES: Baldwin Locomotive Works, Philadelphia, Pa.

LUBRICATORS: Lunkenheimer Co., Cincinnati, Ohio.

LUBRICATING OILS: Leonard & Ellis, Boston; Vacuum Oil Co., Rochester, N. Y.

LUMBER: George W. Gale Lumber Co., Cambridge, Mass.; Maltby Lumber Co., Bay City, Mich.

MACHINE SHOP EQUIPMENT: Simonds Mfg. Co., Fitchburg, Mass.; Jones & Lamson Machine Co., Springfield, Vt.; Armstrong Bros. Tool Co., Chicago, Ill.; Pratt & Whitney Co., Hartford, Conn.; S. A. Woods Machine Co., South Boston, Mass.; A. J. Wilkinson & Co., Boston; Hill, Clarke & Co., Boston; Niles-Bement-Pond Co., Philadephia, Pa.

MACHINISTS SUPPLIES: Walworth Mfg. Co., Boston; A. J. Wilkinson & Co., Boston.

MARINE RAILWAY: Hanley Construction Co., Quincy, Mass.

MEASURING TAPES: L. S. Starrett Co., Athol, Mass.; Lufkin Rule Co., Saginaw, Mich.

MILLING MACHINES: (See Machine Shop Equipment.)

MODEL MAKERS: Hurd & Co., New York City.

MOLDING MACHINES: The Tabor Mfg. Co., Philadephia, Pa.

PACKING: Jenkins Bros., Boston.

PENCILS: Joseph Dixon Crucible Co., Jersey City, N. J.

PHOTOGRAPHERS: Charles W. Hearn, Boston; Notman Photo. Co., Boston.

PIPE: National Tube Co., Pittsburg; Walworth Mfg. Co., Boston.

PLATE AND SHEET IRON AND STEEL: Atlantic Works, East Boston, Mass.; Charles River Iron Works, Cambridge, Mass.; Roberts Iron Works, Cambridge, Mass.

PLATINUM: Eimer & Amend, New York City.

PLUMBING: William H. Mitchell & Son, Boston; Huey Bros., Boston.

PRINTING: The F. A. Bassette Co., Springfield, Mass.

PUBLICATIONS: The Technology Review, Boston; Engineering Record, New York.

RAILROADS: Boston & Albany, R. R.; Boston & Maine R. R.; Norfolk & Western R. R.

RAILS: Barbour-Stockwell Co., Cambridge, Mass.

RECORDING PRESSURE GAUGES: United Gas Improvement Co., Philadelphia, Pa.

REFRIGRATING MACHINERY: Vilter Mfg. Co., Milwaukee, Wis.

ROOFING: Ludowici Roofing Tile Co., Chicago, Ill.

ROPE: Samson Cordage Co., Boston, Mass.; A. Leschen & Sons Rope Co., St. Louis, Mo.; Trenton Iron Works, Trenton, N. J.

RUBBER HEELS: "The Pneumatic Cushion" Rubber Heel.

SAWS: Simonds Mfg. Co., Fitchburg, Mass.

SEWER PIPE: Evens & Howard Fire Brick Co., St. Louis, Mo.

STAINS: Samuel Cabot, Boston.

STATIONERS: F. W. Barry, Beale & Co., Boston; A. D. Maclachlan, Boston.

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STEAM PUMPS: Mason Regulator Co., Boston.

STEAMSHIP LINES: Merchant & Miners Transportation Co., Baltimore.

STEAM SPECIALTIES: Julian D'Este Co., Boston; Lunkenheimer Co., Cincinnati, Ohio.

STEEL: U. S. Steel Co., Everett, Mass.; Midvale Steel Co., Philadelphia, Pa.; William Jessop & Sons, Ltd., New York City; George F. Blake, Jr., & Co., Worcester.

STRUCTURAL STEEL: American Bridge Co. of New York, New York City.

SURVEYING INSTRUMENTS: C. L. Berger & Sons, Boston; Young & Sons, Philadelphia, Pa.

SWITCH BOARDS: S. B. Condit, Jr., & Co., Boston.

TAILORS: F. L. Dunne, Boston; Smith & Smullen, Boston; E. R. Smith, Boston; George H. Lane, Boston.

TECH EMBLEMS: Bent & Bush, Boston; A. S. Adams, Boston.

TEXTILE MACHINERY: Textile Finishing Machinery Co., Providence, R. I.

TIRES FOR LOCOMOTIVES AND CAR WHEELS: Midvale Steel Co., Philadelphia, Pa.

TOOLS: A. J. Wilkinson & Co., Boston; L. S. Starrett Co, Athol, Mass.; Armstrong Bros. Tool Co., Chicago; Hurd & Co., New York.

TRUST COMPANIES: City Trust Co., Boston; Old Colony Trust Co., Boston.

TUBING: National Tube Works, Pittsburg.

VALVES: American Balanced Valve Co., Jersey Shore, Pa.; Ashton Valve Co., Boston; Jenkins Bros., New York City; Mason Regulator Co., Boston; Roe Stephens Mfg. Co., Detroit, Mich.; Walworth Mfg. Co., Boston; Lunkenheimer Co., Cincinnati, Ohio.

WIRE ROPE: A. Leschen & Sons Rope Co., St. Louis, Mo.; Trenton Iron Works, Trenton, N. J.

WOODWORKING MACHINERY: S. A. Woods Machine Co., South Boston, Mass.

WRENCHES: Coes Wrench Co., Worcester, Mass.

YACHT DESIGNING: Hanley Construction Co., Quincy, Mass.



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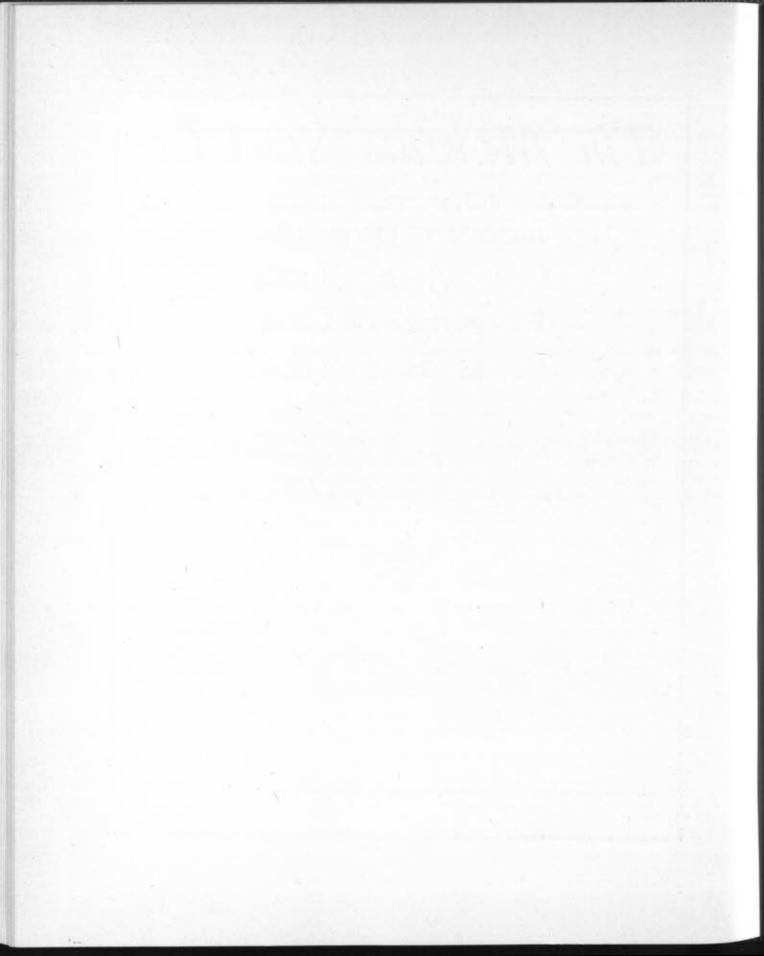
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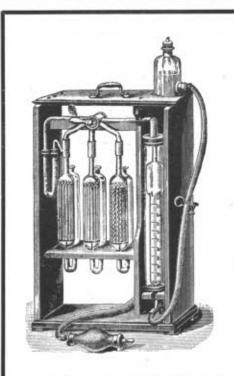
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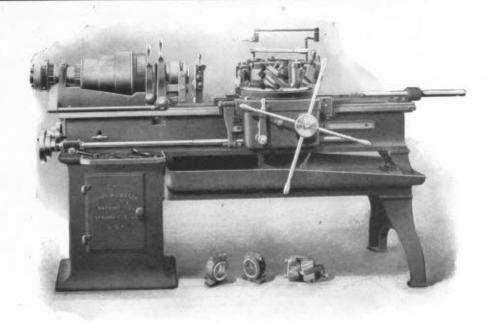




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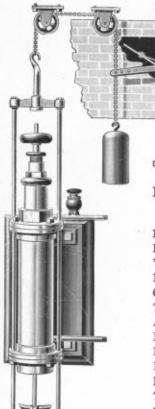
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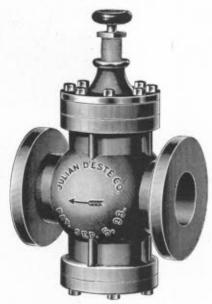
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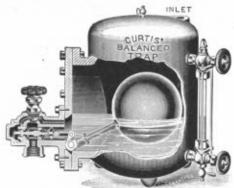
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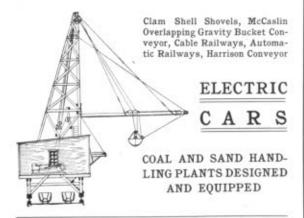
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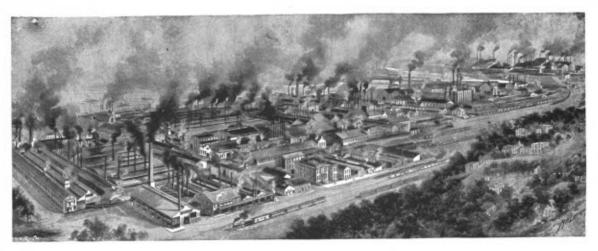
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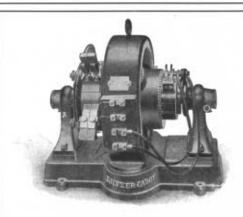
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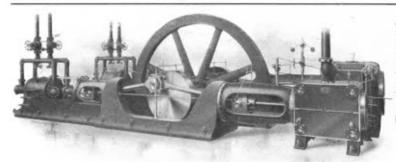
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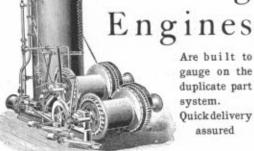




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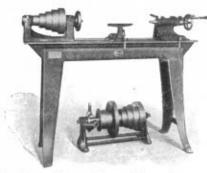
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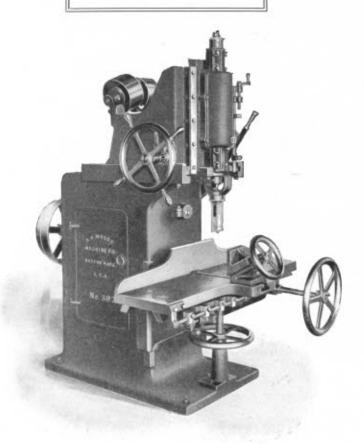


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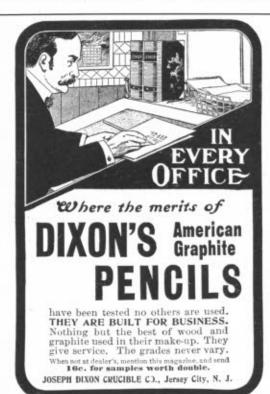
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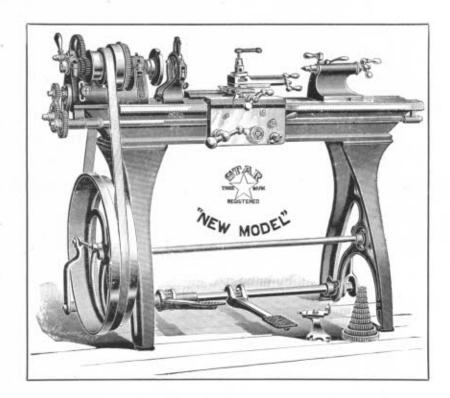
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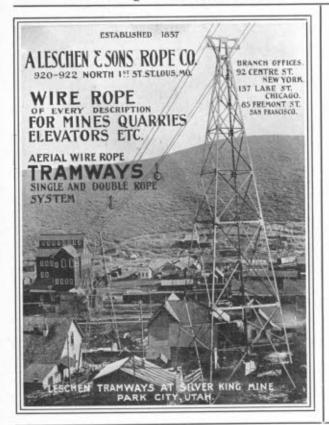


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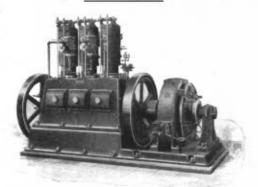
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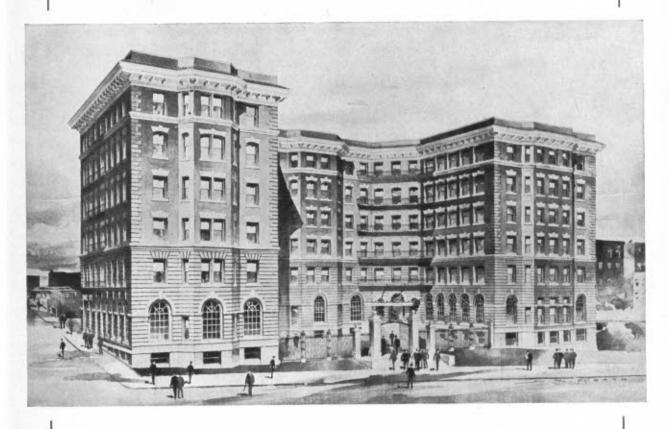
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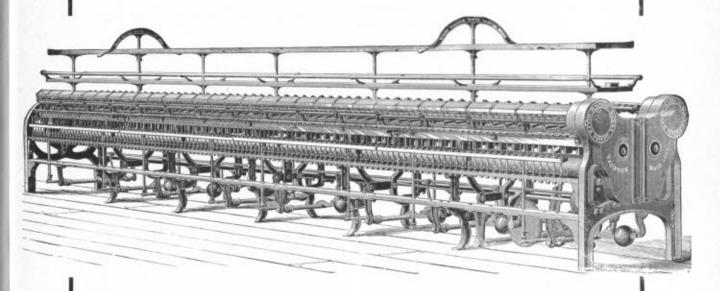


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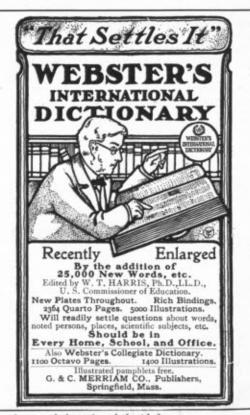
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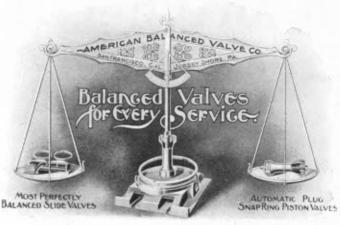
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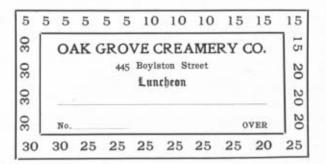
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